Project name: Data Analyst Proficiency Insight: A Comprehensive Skills and Qualifications Analysis

Name: Thanapoom Phatthanaphan
CWID: 20011296

Introduction

In today's job market, there's a growing need for people who are good at data analysis. This demand is especially high in sectors like Banking, Media & Entertainment, and Healthcare, where working with big sets of data is common. Many individuals are keen on starting a career in technology, specifically as a data analyst. However, becoming a data analyst involves learning various skills. To make things a bit tricky, different industries look for different skills. For those who are just starting out, figuring out which skills are most important can be a bit confusing. Our project is here to help with that. We're collecting information from popular job websites and carefully studying job descriptions to figure out the main skills you need to be a successful data analyst. The goal is to make things easier for people who are just starting out, giving them a clear idea of the skills that really matter in the real world of data analysis jobs. This project is all about helping newcomers make smart choices when it comes to developing the skills they need to succeed in the field.

Objectives and expected contributions

The primary objectives of this project are to facilitate individuals in discerning the pivotal skills requisite for a data analyst role and to offer comprehensive insights into the skill sets sought after by various industries. Employing the Python programming language, coupled with Natural Language Processing (NLP) techniques, we aspire to conduct a rigorous analysis of job descriptions pertinent to data analyst positions.

Methodology

The project's methodology employs a multifaceted approach to achieve its objectives. Initially, Python libraries like BeautifulSoup and Scrapy are utilized for web scraping, enabling the extraction of relevant data from leading job websites featuring data analyst positions. Subsequently, the collected job descriptions undergo thorough preprocessing to ensure data integrity and suitability for analysis. This preprocessing includes removing rows with missing values, eliminating stopwords and punctuation, converting text to lowercase, and lemmatizing words to standardize the dataset. Following preprocessing, the dataset is segmented into unigrams and bigrams, facilitating a detailed analysis of individual words and adjacent word pairs. After that, we use Rule-based approach and Word Embeddings approach to match words in the job descriptions

with predefined skill keywords then we select the one with better performance for identifying the relevant skills. Finally, the results are visualized to pinpoint which skills are in highest demand in the data analyst job market.

Download and import the necessary libraries

In [ ]:
```
# Access to the drive that we want to work with and save the file
from google.colab import drive
from google.colab import files
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

In [ ]:
```
# Download necessary libraries
!pip install selenium
!pip install wordcloud
!pip install fuzzywuzzy
```

```
Collecting selenium
  Downloading selenium-4.20.0-py3-none-any.whl (9.5 MB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 9.5/9.5 MB 25.5 MB/s eta 0:0
0:00
Requirement already satisfied: urllib3[socks]<3,>=1.26 in /usr/local/lib/py
thon3.10/dist-packages (from selenium) (2.0.7)
Collecting trio~=0.17 (from selenium)
  Downloading trio-0.25.0-py3-none-any.whl (467 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 467.2/467.2 kB 23.9 MB/s eta
0:00:00
Collecting trio-websocket~=0.9 (from selenium)
  Downloading trio_websocket-0.11.1-py3-none-any.whl (17 kB)
Requirement already satisfied: certifi>=2021.10.8 in /usr/local/lib/python
3.10/dist-packages (from selenium) (2024.2.2)
Requirement already satisfied: typing_extensions>=4.9.0 in /usr/local/lib/p
ython3.10/dist-packages (from selenium) (4.11.0)
Requirement already satisfied: attrs>=23.2.0 in /usr/local/lib/python3.10/d
ist-packages (from trio~=0.17->selenium) (23.2.0)
Requirement already satisfied: sortedcontainers in /usr/local/lib/python3.1
0/dist-packages (from trio~=0.17->selenium) (2.4.0)
Requirement already satisfied: idna in /usr/local/lib/python3.10/dist-packa
ges (from trio~=0.17->selenium) (3.7)
Collecting outcome (from trio~=0.17->selenium)
  Downloading outcome-1.3.0.post0-py2.py3-none-any.whl (10 kB)
Requirement already satisfied: sniffio>=1.3.0 in /usr/local/lib/python3.10/
dist-packages (from trio~=0.17->selenium) (1.3.1)
Requirement already satisfied: exceptiongroup in /usr/local/lib/python3.10/
dist-packages (from trio~=0.17->selenium) (1.2.1)
Collecting wsproto>=0.14 (from trio-websocket~=0.9->selenium)
  Downloading wsproto-1.2.0-py3-none-any.whl (24 kB)
Requirement already satisfied: pysocks!=1.5.7,<2.0,>=1.5.6 in /usr/local/li
b/python3.10/dist-packages (from urllib3[socks]<3,>=1.26->selenium) (1.7.1)
Collecting h11<1,>=0.9.0 (from wsproto>=0.14->trio-websocket~=0.9->seleniu
m)
  Downloading h11-0.14.0-py3-none-any.whl (58 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 58.3/58.3 kB 8.9 MB/s eta 0:0
0:00
Installing collected packages: outcome, h11, wsproto, trio, trio-websocket,
selenium
Successfully installed h11-0.14.0 outcome-1.3.0.post0 selenium-4.20.0 trio-
0.25.0 trio-websocket-0.11.1 wsproto-1.2.0
Requirement already satisfied: wordcloud in /usr/local/lib/python3.10/dist-
packages (1.9.3)
Requirement already satisfied: numpy>=1.6.1 in /usr/local/lib/python3.10/di
st-packages (from wordcloud) (1.25.2)
Requirement already satisfied: pillow in /usr/local/lib/python3.10/dist-pac
kages (from wordcloud) (9.4.0)
Requirement already satisfied: matplotlib in /usr/local/lib/python3.10/dist
-packages (from wordcloud) (3.7.1)
Requirement already satisfied: contourpy>=1.0.1 in /usr/local/lib/python3.1
0/dist-packages (from matplotlib->wordcloud) (1.2.1)
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.10/di
st-packages (from matplotlib->wordcloud) (0.12.1)
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.
10/dist-packages (from matplotlib->wordcloud) (4.51.0)
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.
10/dist-packages (from matplotlib->wordcloud) (1.4.5)
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.1
0/dist-packages (from matplotlib->wordcloud) (24.0)
Requirement already satisfied: pyparsing>=2.3.1 in /usr/local/lib/python3.1
0/dist-packages (from matplotlib->wordcloud) (3.1.2)
Requirement already satisfied: python-dateutil>=2.7 in /usr/local/lib/pytho
n3.10/dist-packages (from matplotlib->wordcloud) (2.8.2)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-p
```

```
ackages (from python-dateutil>=2.7->matplotlib->wordcloud) (1.16.0)
Collecting fuzzywuzzy
  Downloading fuzzywuzzy-0.18.0-py2.py3-none-any.whl (18 kB)
Installing collected packages: fuzzywuzzy
Successfully installed fuzzywuzzy-0.18.0
```

In [ ]:

```python
# Import necessary libraries
# Web Scraping
import requests
from bs4 import BeautifulSoup
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
from selenium.common.exceptions import TimeoutException

# Time Recording
import time

# Data Analysis
import numpy as np
import pandas as pd

# Natural Language Processing
import nltk
from nltk.corpus import stopwords
from nltk.tokenize import word_tokenize
from nltk.stem import WordNetLemmatizer
nltk.download('stopwords')
nltk.download('punkt')
nltk.download('wordnet')
import string
import spacy
from fuzzywuzzy import fuzz
from nltk.util import ngrams
from collections import defaultdict

# Data Visualization (Plotting)
import matplotlib.pyplot as plt
from wordcloud import WordCloud

# Word Embeddings
from gensim.models import Word2Vec
import gensim.downloader as api

# Evaluation
from sklearn.metrics import accuracy_score, precision_score, recall_score, f
```

```
[nltk_data] Downloading package stopwords to /root/nltk_data...
[nltk_data]   Unzipping corpora/stopwords.zip.
[nltk_data] Downloading package punkt to /root/nltk_data...
[nltk_data]   Unzipping tokenizers/punkt.zip.
[nltk_data] Downloading package wordnet to /root/nltk_data...
/usr/local/lib/python3.10/dist-packages/fuzzywuzzy/fuzz.py:11: UserWarning:
Using slow pure-python SequenceMatcher. Install python-Levenshtein to remov
e this warning
  warnings.warn('Using slow pure-python SequenceMatcher. Install python-Lev
enshtein to remove this warning')
```

1) Data Collection

Web Scraping

Scraped the job details from Indeed.com, and save to .csv file

In [ ]:
```
def getJobDescription(page_url_format, max_page):

    # Start the timer
    start = time.time()

    # Initialize the list to store the job details
    jobs_list = []
    job_search = 'data+analyst'
    location_search = 'United+States'

    # Iterate to open each page of the website
    for i in range(0, max_page):
        page_url = page_url_format.format(job_search, location_search, i*10)
        driver = webdriver.Chrome()
        driver.get(page_url)

        # Set the loading time for the webpage
        time.sleep(10)

        # Find the path of th data that we want to scrape
        job_page = driver.find_element(By.ID, 'mosaic-jobResults')
        jobs = driver.find_elements(By.CLASS_NAME, 'job_seen_beacon')

        # Iterate to get the job detail of each job
        for job in jobs:
            job_detail = []
            job_des_list = []

            # Get the job Title
            job_title = job.find_element(By.CLASS_NAME, 'jobTitle')
            job_detail.append(job_title.text)

            # Get the job link
            job_detail.append(job_title.find_element(By.CSS_SELECTOR, 'a').g

            # Get the company name
            job_detail.append(job.find_element(By.CLASS_NAME, 'css-92r8pb')

            # Get the location of the job
            job_detail.append(job.find_element(By.CLASS_NAME, 'css-1p0sjhy')

            # Click the job element
            job_title.click()

            # Set the loading time for the webpage
            time.sleep(8)

            # Get the job description
            try:
                job_des_list.append(driver.find_element(By.ID, 'jobDescript
            except:
                job_des_list.append(None)

            # Store the job detail in the list
            job_detail.append(job_des_list[0])
            jobs_list.append(job_detail)

    # Close the webpage
```

```
    driver.quit()

    # Stop the timer & Display the total execution time
    end = time.time()
    execution_time = end - start
    print(f"{execution_time} seconds to complete the task.")

    return jobs_list
```

In [ ]:
```
# initialize the webpage url
page_url_format = "https://www.indeed.com/jobs?q={}&l={}&start={}"

# Define the number of page we required for around 1,000 jobs (The website c
max_page = int(np.ceil(1000/15))

# Call the function to get the job details from the website
jobs_list = getJobDescription(page_url_format, max_page)
```

In [ ]:
```
# Create the DataFrame
columns_name = ['Position', 'Link', 'Company', 'Location', 'Job Description
jobs_list_table = pd.DataFrame(jobs_list, columns=columns_name)
```

In [ ]:
```
# Save the DataFrame to .csv file
jobs_list_table.to_csv('jobs_list.csv', index=False)
print("The DataFrame has been saved.")
```

Import the dataset

The dataset that we scraped from the website

In [ ]:
```
df = pd.read_csv('/content/drive/My Drive/Colab Notebooks/jobs_list.csv')
df
```

Out[ ]:

	Position	Link	Company	Location	Job
0	Board Certified Behavior Analyst	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Impact Learning & Development	Rapid City, SD 57702	Job Descriptic will prov
1	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Proven Behavior Solutions	West Bridgewater, MA	PROVI SOLUTION: I
2	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Keystone Autism and Behavior Interventions LLC	Hillsboro, OH	Board Cert Analyst (ir
3	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Pathways Autism Center	Atlanta, GA 30328	Pathways Au curren
4	Senior Data Analyst	https://www.indeed.com/rc/clk?jk=1e61371557d55...	Calendly	Remote in Atlanta, GA 30363	Abo opportunity\nW
...	...	...	...	...	
1000	Data Analyst III	https://www.indeed.com/rc/clk?jk=fce643433ba74...	FedEx Dataworks	United States	Under genera designs a
1001	Remote Work - Need Data Analyst	https://www.indeed.com/rc/clk?jk=0ed895a739175...	Steneral Consulting	Remote in United States	J Analys
1002	Data Labeling Analyst	https://www.indeed.com/rc/clk?jk=4a0239d360f90...	Augmented Reality Concepts	United States	Description:\nLoc Ge
1003	Music Data Analyst	https://www.indeed.com/rc/clk?jk=e0a4cbab9ec14...	1021 Creative	United States	1021 Creative is Mus
1004	Data Analyst	https://www.indeed.com/rc/clk?jk=f0b5c06d61731...	Cardinal Health	United States	What Data Analy Carc

1005 rows × 5 columns

In [ ]:

```
# Check null value
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1005 entries, 0 to 1004
Data columns (total 5 columns):
 #   Column           Non-Null Count  Dtype 
---  ------           --------------  ----- 
 0   Position         1005 non-null   object
 1   Link             1005 non-null   object
 2   Company          1005 non-null   object
 3   Location         1005 non-null   object
 4   Job Description  1004 non-null   object
dtypes: object(5)
memory usage: 39.4+ KB
```

In [ ]:

```
# Remove the row with null values
df_no_na = df.dropna()
df_no_na
```

Out[ ]:

	Position	Link	Company	Location	Job
0	Board Certified Behavior Analyst	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Impact Learning & Development	Rapid City, SD 57702	Job Descriptic will prov
1	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Proven Behavior Solutions	West Bridgewater, MA	PROVI SOLUTION: I
2	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Keystone Autism and Behavior Interventions LLC	Hillsboro, OH	Board Cert Analyst (ir
3	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Pathways Autism Center	Atlanta, GA 30328	Pathways Au curren
4	Senior Data Analyst	https://www.indeed.com/rc/clk?jk=1e61371557d55...	Calendly	Remote in Atlanta, GA 30363	Abo opportunity\nW
...	...	...	...	...	
1000	Data Analyst III	https://www.indeed.com/rc/clk?jk=fce643433ba74...	FedEx Dataworks	United States	Under genera designs a
1001	Remote Work - Need Data Analyst	https://www.indeed.com/rc/clk?jk=0ed895a739175...	Steneral Consulting	Remote in United States	J Analys
1002	Data Labeling Analyst	https://www.indeed.com/rc/clk?jk=4a0239d360f90...	Augmented Reality Concepts	United States	Description:\nLoc Ge
1003	Music Data Analyst	https://www.indeed.com/rc/clk?jk=e0a4cbab9ec14...	1021 Creative	United States	1021 Creative is Mus
1004	Data Analyst	https://www.indeed.com/rc/clk?jk=f0b5c06d61731...	Cardinal Health	United States	What Data Analy Carc

1004 rows × 5 columns

In [ ]:

```
# Select only the column that we will use
data = df_no_na.loc[:, ['Job Description']]
data
```

Out[ ]:

	Job Description
0	Job Description\nThe BCBA will provide support...
1	PROVEN BEHAVIOR SOLUTIONS VOTED TOP PLACES TO ...
2	Board Certified Behavior Analyst (in-home serv...
3	Pathways Autism Center is currently hiring for...
4	About the team & opportunity\nWhat's so great ...
...	...
1000	Under general supervision, designs and impleme...
1001	Job Title: Data Analyst\n\nLocation: Remote\n\...
1002	Description:\nLocation\nTbilisi, Georgia\n\nRe...
1003	1021 Creative is seeking for a Music Data Anal...
1004	What Data Analytics brings to Cardinal Health:...

1004 rows × 1 columns

2) Data Preprocessing

Apply NLP techniques to the text data into the suitable format

In [ ]:

```
def tokenization(doc):

    # Tokenize text
    tokens = nltk.word_tokenize(doc)

    # Remove stopwords and punctuation
    stop_words = set(stopwords.words('english'))
    punctuation = set(string.punctuation)
    filtered_tokens = [word for word in tokens if word.lower() not in stop_w

    # Lemmatize words
    lemmatizer = WordNetLemmatizer()
    lemmatized_tokens = [lemmatizer.lemmatize(token) for token in filtered_t

    # Convert word to lowercase
    lower_lemmatized_tokens = [token.lower() for token in lemmatized_tokens]

    return lower_lemmatized_tokens
```

In [ ]:

```
# Call the function to tokenize the text
data['Job Description'] = data['Job Description'].apply(tokenization)
```

In [ ]:

```
# Extract the data to get unigram and bigram
uni_bi_grams_dict = {'JD_uni_bi_grams': []}
for jd in data['Job Description']:
    unigrams = list(ngrams(jd, 1))
    bigrams = list(ngrams(jd, 2))
    uni_bi_grams = unigrams + bigrams
    uni_bi_grams_dict['JD_uni_bi_grams'].append(uni_bi_grams)

jd_uni_bi_grams = pd.DataFrame(uni_bi_grams_dict)
```

In [ ]:
```
jd_uni_bi_grams.head()
```

Out[ ]:

	JD_uni_bi_grams
0	[(job,), (description,), (bcba,), (provide,), ...
1	[(proven,), (behavior,), (solutions,), (voted,...
2	[(board,), (certified,), (behavior,), (analyst...
3	[(pathways,), (autism,), (center,), (currently...
4	[(team,), (opportunity,), ('s,), (great,), (wo...

Creating the reference of required skills

Build the reference of required skills by manually reading through 50 job posts to extract the requird skills and keywords.

In [ ]:
```
# Define the skills keywords
skill_keywords = {
    'Python': ['python'],
    'SQL': ['sql', 'structured query language'],
    'R': ['r'],
    'VBA': ['vba', 'visual basic'],
    'C': ['c'],
    'C++': ['c++'],
    'C#': ['c#'],
    'Java': ['java'],
    'JavaScript': ['javascript'],
    'HTML': ['html', 'hypertext markup language'],
    'Ruby': ['ruby'],
    'RDBMS': ['rdbms', 'relational database', 'postgressql', 'mysql', 'orac
              'sql server', 'sql', 'structured query language', 'access', '
    'NoSQL': ['nosql', 'mongodb', 'cassandra'],
    'Access': ['access', 'ms access', 'microsoft access'],
    'Excel': ['excel', 'microsoft excel', 'ms excel'],
    'Word': ['word', 'ms word', 'microsoft word'],
    'PowerPoint': ['ppt', 'powerpoint', 'ms powerpoint', 'microsoft powerpo
    'Sharepoint': ['sharepoint'],
    'ETL': ['etl'],
    'Oracle': ['oracle'],
    'Snowflake': ['snowflake'],
    'Tableau': ['tableau'],
    'PowerBI': ['power bi', 'bi'],
    'Looker': ['looker'],
    'QilkView': ['qilkview'],
    'MicroStrategy': ['microstrategy'],
    'Plotly': ['plotly'],
    'Matplotlib': ['matplotlib'],
    'Seaborn': ['seaborn'],
    'Pandas': ['pandas'],
    'NumPy': ['numpy'],
    'Statistics': ['statistics'],
    'Probability': ['probability'],
    'Hypothesis Testing': ['hypothesis testing'],
    'A/B Testing': ['a/b testing', 'ab testing'],
    'MATLAB': ['matlab'],
    'Time Series': ['time series', 'forecasting'],
    'Regression': ['regression'],
    'Classification': ['classification'],
    'Clustering': ['clustering'],
```

```
    'Predictive Modeling': ['predictive modeling'],
    'Tensorflow': ['tensorflow'],
    'Pytorch': ['pytorch'],
    'Scikit-Learn': ['scikit-learn'],
    'Hadoop': ['hadoop'],
    'Spark': ['spark'],
    'Hive': ['hive'],
    'Databricks': ['databricks'],
    'SAP': ['sap'],
    'SCM': ['scm', 'supply chain management'],
    'CRM': ['crm', 'customer relationship management', 'salesforce'],
    'ERP': ['erp', 'enterprise resource planning'],
    'SAAS': ['saas', 'software as a service'],
    'PeopleSoft': ['peoplesoft'],
    'Agile': ['agile'],
    'Teamwork': ['team-oriented environment', 'team-oriented', 'collaboratic
                 'teamwork', 'team management', 'team environment', 'busines
                 'working relationships', 'team-centric', 'collaborative sp
    'Presentation': ['presentation', 'present'],
    'Reporting': ['reporting', 'report'],
    'Verbal': ['verbal', 'oral', 'well-spoken'],
    'Written': ['writing', 'written'],
    'Detail-oriented': ['detail-oriented', 'attention to detail', 'eye for c
    'Motivation': ['motivation', 'ambition', 'willingness to learn', 'delive
                   'continuous learning', 'self-motivation', 'work independe
                   'self-motivated', 'self-learner', 'self-directed'],
    'Adaptability': ['adaptability', 'flexible', 'multitasking', 'fast-pace
    'Good attitude': ['attitude', 'self-learner', 'self-directed',
                      'under pressure', 'high-pressure'],
    'Problem-solving': ['problem-solving', 'problem solving'],
    'Critical-thinking': ['critical-thinking', 'critical-thinker', 'critica
    'Time management': ['time management', 'timely manner', 'prioritize time
                        'deadline-driven', 'meet deadlines'],
    'Project management': ['project management']
}
```

In [ ]:

```
# Initialize the dictionary for counting the skills
individual_skill_dict = {}
for skill in skill_keywords:
    individual_skill_dict[skill] = list(0 for i in range(len(jd_uni_bi_grams

# Create the dataframe from the dictionary
individual_skill_counts_df = pd.DataFrame.from_dict(individual_skill_dict)
```

In [ ]:

```
individual_skill_counts_df.head()
```

Out[ ]:

	Python	SQL	R	VBA	C	C++	C#	Java	JavaScript	HTML	...	Verbal	Written	Deta orient
0	0	0	0	0	0	0	0	0	0	0	...	0	0	
1	0	0	0	0	0	0	0	0	0	0	...	0	0	
2	0	0	0	0	0	0	0	0	0	0	...	0	0	
3	0	0	0	0	0	0	0	0	0	0	...	0	0	
4	0	0	0	0	0	0	0	0	0	0	...	0	0	

5 rows × 68 columns

3) Exploratory Data Analysis

Rule-based approach

Count the required skills from unigrams and bigrams that we got in the previous step using Fuzzywuzzy.

In [ ]:
```
def fuzzy_match(text, keywords):

    """Function to perform fuzzy matching"""

    # Iterate over the keywords to match keyword with the highest similarity
    for keyword in keywords:
        score = fuzz.ratio(text, keyword)
        if score >= 90:
            return score
    return score


def count_skills_rule_based(gram_texts, skill_keywords, skill_counts_df):

    """Function to detect skills from the job descriptions using Rule-based

    # Start the timer
    start = time.time()

    # Iterate over the keywords and check for matches
    for i, words in enumerate(gram_texts):
        for word in words:
            for skill, keywords in skill_keywords.items():
                # Apply the fuzzy_match function to the current gram text ar
                score = fuzzy_match(word, keywords)
                if score >= 90:
                    skill_counts_df.loc[i, skill] = 1
        if (i + 1) % 5 == 0 or i == len(gram_texts) - 1:
            print(f"Done {i + 1} jobs")

    # Stop the timer & Display the total execution time
    end = time.time()
    execution_time = end - start
    print(f"{execution_time} seconds to complete the rule-based approach wit

    return skill_counts_df

# Build a list of words for skills detection
gram_texts = []
for grams_list in jd_uni_bi_grams['JD_uni_bi_grams']:
    temp_list = []
    for gram in grams_list:
        temp_list.append(" ".join(gram))
    gram_texts.append(temp_list)

# Call the function to count the required skills using Rule-based approach
individual_skill_counts_rule_based = count_skills_rule_based(gram_texts, ski

# Save to .csv file
individual_skill_counts_df.to_csv('/content/individual_skill_counts_rule_bas
files.download('/content/individual_skill_counts_rule_based.csv')
```

```
Done 5 jobs
Done 10 jobs
Done 15 jobs
Done 20 jobs
Done 25 jobs
Done 30 jobs
Done 35 jobs
Done 40 jobs
Done 45 jobs
Done 50 jobs
Done 55 jobs
Done 60 jobs
Done 65 jobs
Done 70 jobs
Done 75 jobs
Done 80 jobs
Done 85 jobs
Done 90 jobs
Done 95 jobs
Done 100 jobs
Done 105 jobs
Done 110 jobs
Done 115 jobs
Done 120 jobs
Done 125 jobs
Done 130 jobs
Done 135 jobs
Done 140 jobs
Done 145 jobs
Done 150 jobs
Done 155 jobs
Done 160 jobs
Done 165 jobs
Done 170 jobs
Done 175 jobs
Done 180 jobs
Done 185 jobs
Done 190 jobs
Done 195 jobs
Done 200 jobs
Done 205 jobs
Done 210 jobs
Done 215 jobs
Done 220 jobs
Done 225 jobs
Done 230 jobs
Done 235 jobs
Done 240 jobs
Done 245 jobs
Done 250 jobs
Done 255 jobs
Done 260 jobs
Done 265 jobs
Done 270 jobs
Done 275 jobs
Done 280 jobs
Done 285 jobs
Done 290 jobs
Done 295 jobs
Done 300 jobs
Done 305 jobs
Done 310 jobs
Done 315 jobs
Done 320 jobs
```

```
Done 325 jobs
Done 330 jobs
Done 335 jobs
Done 340 jobs
Done 345 jobs
Done 350 jobs
Done 355 jobs
Done 360 jobs
Done 365 jobs
Done 370 jobs
Done 375 jobs
Done 380 jobs
Done 385 jobs
Done 390 jobs
Done 395 jobs
Done 400 jobs
Done 405 jobs
Done 410 jobs
Done 415 jobs
Done 420 jobs
Done 425 jobs
Done 430 jobs
Done 435 jobs
Done 440 jobs
Done 445 jobs
Done 450 jobs
Done 455 jobs
Done 460 jobs
Done 465 jobs
Done 470 jobs
Done 475 jobs
Done 480 jobs
Done 485 jobs
Done 490 jobs
Done 495 jobs
Done 500 jobs
Done 505 jobs
Done 510 jobs
Done 515 jobs
Done 520 jobs
Done 525 jobs
Done 530 jobs
Done 535 jobs
Done 540 jobs
Done 545 jobs
Done 550 jobs
Done 555 jobs
Done 560 jobs
Done 565 jobs
Done 570 jobs
Done 575 jobs
Done 580 jobs
Done 585 jobs
Done 590 jobs
Done 595 jobs
Done 600 jobs
Done 605 jobs
Done 610 jobs
Done 615 jobs
Done 620 jobs
Done 625 jobs
Done 630 jobs
Done 635 jobs
Done 640 jobs
```

```
Done 645 jobs
Done 650 jobs
Done 655 jobs
Done 660 jobs
Done 665 jobs
Done 670 jobs
Done 675 jobs
Done 680 jobs
Done 685 jobs
Done 690 jobs
Done 695 jobs
Done 700 jobs
Done 705 jobs
Done 710 jobs
Done 715 jobs
Done 720 jobs
Done 725 jobs
Done 730 jobs
Done 735 jobs
Done 740 jobs
Done 745 jobs
Done 750 jobs
Done 755 jobs
Done 760 jobs
Done 765 jobs
Done 770 jobs
Done 775 jobs
Done 780 jobs
Done 785 jobs
Done 790 jobs
Done 795 jobs
Done 800 jobs
Done 805 jobs
Done 810 jobs
Done 815 jobs
Done 820 jobs
Done 825 jobs
Done 830 jobs
Done 835 jobs
Done 840 jobs
Done 845 jobs
Done 850 jobs
Done 855 jobs
Done 860 jobs
Done 865 jobs
Done 870 jobs
Done 875 jobs
Done 880 jobs
Done 885 jobs
Done 890 jobs
Done 895 jobs
Done 900 jobs
Done 905 jobs
Done 910 jobs
Done 915 jobs
Done 920 jobs
Done 925 jobs
Done 930 jobs
Done 935 jobs
Done 940 jobs
Done 945 jobs
Done 950 jobs
Done 955 jobs
Done 960 jobs
```

```
Done 965 jobs
Done 970 jobs
Done 975 jobs
Done 980 jobs
Done 985 jobs
Done 990 jobs
Done 995 jobs
Done 1000 jobs
Done 1004 jobs
3820.906892299652 seconds to complete the rule-based approach with 1004 job
s.
```

In [ ]:
```
# Import the dataset that has already counted the skills
# individual_skill_counts_df = pd.read_csv('/content/drive/My Drive/Colab No
```

In [ ]:
```
# Check the dataset
individual_skill_counts_rule_based.head(10)
```

Out[ ]:

	Python	SQL	R	VBA	C	C++	C#	Java	JavaScript	HTML	...	Verbal	Written	Deta orient
0	0	0	0	0	0	0	0	0	0	0	...	1	1	
1	0	0	0	0	0	0	0	0	0	0	...	0	0	
2	0	0	0	0	0	0	0	0	0	0	...	1	1	
3	0	0	0	0	0	0	0	0	0	0	...	0	0	
4	1	1	0	0	0	0	0	0	0	0	...	0	1	
5	0	0	0	0	0	0	0	0	0	0	...	1	1	
6	0	1	0	0	0	0	0	0	0	0	...	1	1	
7	1	1	0	0	0	0	0	0	0	0	...	1	1	
8	1	1	0	0	0	0	0	0	0	0	...	0	1	
9	1	1	0	0	0	0	0	0	0	0	...	0	1	

10 rows × 68 columns

In [ ]:
```
# Get the sum of required skills for each individual skill from rule-based a
sum_skills = {}
for skill in skill_keywords:
    sum_skills[skill] = individual_skill_counts_rule_based[skill].sum()
sum_skills_rule_based = pd.DataFrame(sum_skills, index=['Number of jobs'])

# Show the number of jobs require the specific skills by each skill from rul
rearranged_sum_skills_rule_based = sum_skills_rule_based.T.sort_values(by='N
rearranged_sum_skills_rule_based['%Percentage (1,004 jobs)'] = (rearranged_s
rearranged_sum_skills_rule_based.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Reporting	774	77.09%
RDBMS	676	67.33%
Teamwork	583	58.07%
SQL	493	49.1%
Written	482	48.01%
Detail-oriented	430	42.83%
Presentation	395	39.34%
Excel	389	38.75%
Verbal	353	35.16%
Adaptability	343	34.16%

Bar chart: Display the distribution of required skills in 1,004 Data Analyst jobs (Rule-based approach)

In [ ]:

```
plt.figure(figsize=(25, 6))
plt.xticks(rotation=90, fontsize=10)
for i, value in enumerate(rearranged_sum_skills_rule_based['Number of jobs']
    plt.text(i, value + 1, str(value), ha='center', va='bottom', fontsize=9

plt.bar(rearranged_sum_skills_rule_based.index, rearranged_sum_skills_rule_b
plt.xlabel('Required Skills')
plt.ylabel('Number of jobs')
plt.title('Distribution of Required Skills in Data Analyst jobs (Rule-based
plt.show()
```

Word cloud: Display the top required skills for Data Analyst jobs (Rule-based approach)

In [ ]:

```
sum_individual_skills_dict = dict(zip(rearranged_sum_skills_rule_based.index
sum_individual_skills_wordcloud_rule_based = WordCloud(width=800, height=400
plt.figure(figsize=(10, 5))
plt.imshow(sum_individual_skills_wordcloud_rule_based, interpolation='bilin
plt.axis('off')
plt.title('Top Required Skills for Data Analyst jobs (Rule-based approach)'
plt.show()
```

Word Embeddings approach

In [ ]:
```
# Train Word2Vec model
# word2vec_model = Word2Vec(sentences=data['Job Description'], vector_size=3
model = api.load("word2vec-google-news-300")
```

```
[==================================================] 100.0% 1662.8/1662.8MB
downloaded
```

In [ ]:
```
def get_vector_unique_corpus(uni_bi_grams, model):

    """Function to build the dictionary of unique words and get the vector o

    # Iterate to get the vector of each unique word.
    corpus_dict = {}
    for grams_list in uni_bi_grams['JD_uni_bi_grams']:
        for gram in grams_list:
            word = " ".join(gram)
            if word not in corpus_dict:
                if word in model.key_to_index:
                    corpus_dict[word] = model[word]

    return corpus_dict

# Call the function to get the vector of the unique words
unique_corpus = get_vector_unique_corpus(jd_uni_bi_grams, model)
unique_corpus
```

Out[ ]:
```
{'job': array([-1.45874023e-02, -4.83398438e-02, -1.36718750e-01, -1.767578
12e-01,
         3.39355469e-02, -1.30615234e-02,  7.76367188e-02, -2.73132324e-03,
        -2.09960938e-02,  1.39648438e-01,  2.38281250e-01, -9.76562500e-02,
        -3.88183594e-02, -2.12890625e-01, -1.85546875e-01,  2.44140625e-01,
         6.73828125e-02,  1.89453125e-01,  1.86523438e-01, -2.96875000e-01,
        -9.37500000e-02,  9.32617188e-02,  5.93261719e-02,  2.58789062e-02,
        -7.29370117e-03,  1.26953125e-01, -2.73437500e-01, -1.66015625e-02,
         1.28173828e-02,  9.03320312e-02, -6.88476562e-02, -2.30712891e-02,
         6.34765625e-02,  2.91748047e-02,  7.61718750e-02,  1.20117188e-01,
         4.05273438e-02, -5.34057617e-03, -1.15234375e-01,  1.43554688e-01,
         3.06701660e-03, -1.96289062e-01,  1.86523438e-01, -1.29882812e-01,
        -2.45117188e-01, -4.41894531e-02,  6.22558594e-02,  5.17578125e-02,
        -1.35742188e-01,  1.85546875e-01,  1.27929688e-01,  5.24520874e-05,
         3.71093750e-02,  3.66210938e-02,  1.25000000e-01, -2.81250000e-01,
        -7.62939453e-03,  5.27343750e-02, -4.17480469e-02, -1.07910156e-01,
        -7.12890625e-02,  3.47656250e-01, -4.53125000e-01,  5.61523438e-02,
         6.64062500e-02,  1.73828125e-01, -8.74023438e-02, -3.67187500e-01,
         1.33789062e-01, -1.21459961e-02, -1.96289062e-01,  3.83300781e-02,
         2.18750000e-01, -3.69262695e-03, -2.16796875e-01,  4.76074219e-02,
         1.16699219e-01,  3.27148438e-02, -3.24707031e-02,  7.51953125e-02,
        -4.82177734e-03,  2.79296875e-01,  2.25585938e-01, -1.74804688e-01,
         2.19726562e-01, -4.37011719e-02, -2.31933594e-02,  1.38671875e-01,
         4.37011719e-02, -2.34375000e-01,  5.17578125e-02, -1.89208984e-02,
        -2.61718750e-01, -3.34472656e-02,  2.87109375e-01, -1.54296875e-01,
        -5.22460938e-02,  1.91406250e-01,  2.53906250e-01, -2.12890625e-01,
        -2.38281250e-01, -1.35742188e-01, -4.61425781e-02,  1.92382812e-01,
         1.06933594e-01, -4.27734375e-01, -1.52343750e-01, -6.44531250e-02,
         8.10546875e-02, -3.17382812e-02,  1.52343750e-01, -8.88671875e-02,
         8.93554688e-02, -1.68457031e-02,  2.19726562e-01, -1.23291016e-02,
         1.08886719e-01, -3.22265625e-02, -2.05078125e-02, -7.65991211e-03,
        -2.57812500e-01,  2.85156250e-01, -1.06445312e-01,  9.86328125e-02,
         2.09960938e-01, -1.59179688e-01, -5.83496094e-02, -3.68652344e-02,
        -1.09252930e-02, -1.56250000e-01, -3.66210938e-02, -4.41406250e-01,
        -1.91406250e-01, -5.51757812e-02,  7.08007812e-03, -1.54296875e-01,
        -3.02734375e-01,  1.54296875e-01,  9.71679688e-02, -1.18652344e-01,
         2.91748047e-02, -5.46875000e-02,  4.15039062e-02, -1.65039062e-01,
        -8.39843750e-02, -5.37109375e-03, -1.43554688e-01,  9.86328125e-02,
        -5.41992188e-02,  1.43554688e-01,  2.66113281e-02,  1.08886719e-01,
         7.51953125e-02,  3.18359375e-01, -1.31225586e-02,  6.34765625e-02,
        -2.46093750e-01, -1.63085938e-01, -7.56835938e-02,  2.09960938e-02,
         6.29882812e-02,  1.56250000e-01, -9.66796875e-02,  9.66796875e-02,
         9.03320312e-02, -2.42187500e-01, -1.39770508e-02, -1.41601562e-01,
         4.76837158e-04,  1.03515625e-01,  1.16699219e-01,  3.14941406e-02,
        -1.76757812e-01, -1.37695312e-01, -1.20605469e-01,  4.15039062e-02,
         1.33789062e-01, -2.06298828e-02,  1.22070312e-02, -1.89208984e-02,
        -2.34375000e-01, -1.78710938e-01,  7.61718750e-02, -1.19140625e-01,
        -1.19140625e-01,  7.27539062e-02,  1.14257812e-01, -3.27148438e-02,
         1.87500000e-01,  6.07910156e-02, -7.42187500e-02,  6.88476562e-02,
         3.58581543e-04,  1.79687500e-01, -2.79296875e-01,  4.24804688e-02,
         1.83593750e-01,  5.32226562e-02,  9.64355469e-03, -1.82617188e-01,
        -2.55859375e-01,  2.53906250e-01,  7.66601562e-02, -3.39355469e-02,
        -7.47070312e-02, -3.22265625e-02, -1.97265625e-01, -1.59179688e-01,
         2.85644531e-02,  9.76562500e-02,  4.76074219e-02,  3.29589844e-02,
        -1.93359375e-01, -1.99218750e-01,  1.30859375e-01,  9.03320312e-02,
         8.15429688e-02,  3.56445312e-02, -1.66015625e-01, -1.47094727e-02,
         2.38281250e-01, -1.17675781e-01, -1.40625000e-01, -3.14941406e-02,
         1.29882812e-01, -1.28906250e-01, -1.20117188e-01, -3.11279297e-02,
        -1.25000000e-01,  4.49218750e-02,  9.76562500e-02, -1.00585938e-01,
         1.90429688e-02, -2.36816406e-02,  1.05957031e-01, -1.04003906e-01,
        -4.51660156e-02, -3.22265625e-01, -1.94335938e-01, -6.01196289e-03,
         4.98046875e-02,  2.63671875e-01, -4.02832031e-02, -1.92382812e-01,
         7.65991211e-03, -7.66601562e-02,  6.95800781e-03, -1.89453125e-01,
        -8.59375000e-02, -3.39843750e-01, -1.61132812e-01, -6.39648438e-02,
```

```
        -1.54296875e-01,  1.66015625e-01, -1.40991211e-02, -4.44412231e-04,
         9.13085938e-02,  2.45117188e-01, -4.37011719e-02,  4.10156250e-02,
         3.53515625e-01,  1.32812500e-01, -2.49023438e-02,  2.77343750e-01,
        -8.44726562e-02,  2.63671875e-01, -2.19726562e-02,  1.51977539e-02,
        -3.06640625e-01,  2.61230469e-02,  8.74023438e-02, -2.44140625e-02,
         2.20703125e-01,  1.44042969e-02, -6.34765625e-02, -4.51660156e-02,
         2.64892578e-02, -2.00195312e-01,  1.10839844e-01,  3.46679688e-02,
         9.32617188e-02, -1.90429688e-01, -4.56542969e-02,  3.26171875e-01,
        -8.74023438e-02,  1.58203125e-01,  2.52685547e-02, -1.27929688e-01,
         1.04003906e-01,  1.61743164e-03, -2.48046875e-01,  7.51953125e-02,
        -4.06250000e-01,  3.46679688e-02, -1.45507812e-01,  2.67578125e-01,
         1.29882812e-01,  2.02636719e-02, -9.47265625e-02, -1.51367188e-0
1],
       dtype=float32),
 'description': array([-8.15429688e-02, -2.43164062e-01, -8.93554688e-02,
3.68652344e-02,
         1.31835938e-01,  7.99560547e-03,  1.87500000e-01, -6.10351562e-02,
        -4.98046875e-02, -1.32812500e-01,  2.08007812e-01,  2.50244141e-02,
        -6.29882812e-02,  1.24511719e-01,  4.54711914e-03,  2.89062500e-01,
        -1.70898438e-01,  2.69531250e-01,  1.46484375e-01, -5.78125000e-01,
        -8.69140625e-02,  3.17382812e-02, -3.49609375e-01,  1.60156250e-01,
        -2.00195312e-01,  1.35742188e-01,  1.14746094e-01,  1.72851562e-01,
         2.61718750e-01,  3.16406250e-01, -1.39160156e-02, -1.31835938e-01,
        -4.98046875e-02, -8.97216797e-03, -1.68945312e-01,  1.71875000e-01,
        -4.27246094e-02, -5.22460938e-02,  3.32031250e-02,  7.22656250e-02,
         9.08203125e-02,  4.17968750e-01, -2.59765625e-01,  1.39648438e-01,
        -1.47460938e-01,  8.30078125e-02, -1.35742188e-01,  2.59399414e-04,
        -2.14843750e-01, -1.48437500e-01, -1.48437500e-01, -2.47802734e-02,
        -1.21582031e-01,  1.46484375e-01,  1.77734375e-01, -6.07910156e-02,
        -7.56835938e-02, -1.98242188e-01,  2.91015625e-01, -1.07910156e-01,
         6.88476562e-02,  3.06640625e-01, -1.93359375e-01, -2.25585938e-01,
        -6.64062500e-02,  1.02539062e-01, -1.74560547e-02, -2.16064453e-02,
         8.93554688e-02, -1.87500000e-01,  2.94921875e-01,  1.86523438e-01,
        -5.61523438e-02,  4.56542969e-02, -1.47094727e-02,  2.39257812e-01,
         2.51953125e-01,  1.23291016e-02,  2.94921875e-01,  2.08007812e-01,
         6.28906250e-01,  7.37304688e-02, -1.74804688e-01,  1.03759766e-02,
        -4.85839844e-02,  1.00585938e-01,  2.63214111e-04, -5.00488281e-02,
         2.24609375e-01, -5.42968750e-01,  1.08886719e-01, -7.42187500e-02,
        -3.02734375e-02,  1.30859375e-01,  2.11914062e-01,  5.29785156e-02,
        -1.85546875e-01,  2.12402344e-02,  3.56445312e-02,  1.67968750e-01,
        -5.19531250e-01,  6.39648438e-02, -1.65039062e-01,  1.27929688e-01,
         1.40625000e-01,  1.47460938e-01,  1.65039062e-01, -4.22363281e-02,
        -1.51367188e-01,  1.75781250e-01,  4.95605469e-02, -5.00488281e-02,
         1.86523438e-01, -1.31835938e-01,  1.12304688e-01, -9.32617188e-02,
         4.51660156e-02,  2.34375000e-02,  1.97265625e-01,  2.69531250e-01,
        -1.85546875e-01, -4.98046875e-02, -1.56250000e-01, -8.30078125e-02,
        -3.03649902e-03,  9.76562500e-02, -1.96289062e-01, -2.16796875e-01,
         1.69921875e-01,  1.79687500e-01, -2.63671875e-01, -2.12890625e-01,
        -2.63671875e-01, -7.91015625e-02, -1.30859375e-01,  9.91210938e-02,
        -2.24609375e-01, -3.02734375e-01,  3.02734375e-02,  1.72851562e-01,
         1.55273438e-01,  2.99072266e-02, -1.01074219e-01,  6.59179688e-02,
         3.29589844e-02,  1.74560547e-02, -9.52148438e-02, -7.86132812e-02,
        -2.55859375e-01,  2.57568359e-02, -3.79943848e-03,  2.77099609e-02,
        -3.26171875e-01, -1.85012817e-04, -2.83203125e-02, -2.11914062e-01,
        -1.91406250e-01,  1.13281250e-01, -1.04980469e-01,  4.07714844e-02,
         9.37500000e-02,  7.03125000e-02, -5.66406250e-02, -8.10546875e-02,
        -3.90625000e-02, -6.17675781e-02,  2.28515625e-01, -2.42187500e-01,
        -4.66796875e-01,  1.43554688e-01,  2.32421875e-01,  1.59179688e-01,
         2.25830078e-02, -2.14843750e-01, -9.70458984e-03,  4.61425781e-02,
         1.52343750e-01, -3.45703125e-01, -2.69531250e-01, -2.47192383e-03,
         1.03027344e-01,  2.21679688e-01,  2.01416016e-02, -3.86718750e-01,
        -1.71875000e-01, -9.91210938e-02, -5.34057617e-03,  1.23535156e-01,
        -1.67968750e-01,  2.11914062e-01, -5.81054688e-02, -5.34667969e-02,
        -1.47460938e-01, -1.66992188e-01, -4.73632812e-02,  1.43554688e-01,
```

```
        -4.24804688e-02, -2.05078125e-01, -5.17578125e-02, -2.94921875e-01,
        -1.78222656e-02,  1.76757812e-01, -2.92968750e-01,  1.23901367e-02,
        -1.28906250e-01,  8.74023438e-02, -1.37695312e-01,  1.22070312e-01,
         1.31835938e-01, -2.92968750e-02, -8.49609375e-02, -3.39355469e-02,
        -6.22558594e-02, -6.29882812e-02, -3.04687500e-01, -4.83398438e-02,
         2.23632812e-01,  3.47656250e-01, -6.64062500e-02, -2.57812500e-01,
         1.47460938e-01, -4.19921875e-02, -3.73535156e-02, -4.49218750e-01,
         1.16210938e-01, -8.88671875e-02,  2.79296875e-01,  1.67968750e-01,
         1.13769531e-01,  7.51953125e-02,  1.28906250e-01, -2.04101562e-01,
        -6.73828125e-02,  1.89453125e-01,  2.50000000e-01, -3.32031250e-02,
         3.10546875e-01,  1.10351562e-01,  6.44531250e-02, -2.06054688e-01,
         1.23535156e-01,  2.14843750e-01, -2.23632812e-01, -2.22656250e-01,
         1.92382812e-01,  8.30078125e-02,  1.61132812e-01,  1.03027344e-01,
         3.73535156e-02,  1.17187500e-01,  9.81445312e-02,  3.22265625e-01,
        -1.56250000e-01,  8.74023438e-02, -9.91210938e-02, -1.66992188e-01,
        -3.41796875e-01,  1.77001953e-02,  1.90429688e-01, -2.45117188e-01,
         2.67578125e-01, -1.04003906e-01, -4.21875000e-01, -1.09863281e-03,
         3.10546875e-01,  4.19921875e-01, -1.00585938e-01, -2.53906250e-01,
        -1.62109375e-01, -2.94921875e-01, -1.37695312e-01, -7.76367188e-02,
         1.86523438e-01,  2.02148438e-01, -1.48437500e-01, -9.17968750e-02,
         9.52148438e-02, -2.01171875e-01,  2.91015625e-01,  2.14843750e-01,
         4.10156250e-02,  4.54101562e-02, -1.02050781e-01, -1.43554688e-01,
        -8.54492188e-02,  9.91210938e-02,  2.86865234e-02, -1.76757812e-01,
         6.07910156e-02, -1.68945312e-01, -4.05273438e-02,  1.02050781e-01,
        -1.27929688e-01, -6.59179688e-02,  3.86718750e-01, -3.12500000e-01,
         1.42578125e-01, -2.85156250e-01,  6.54296875e-02, -9.66796875e-0
2],
       dtype=float32),
 'provide': array([-1.98242188e-01, -1.85546875e-01, -1.12792969e-01, -5.63
964844e-02,
        -2.61230469e-02,  8.20312500e-02,  1.51367188e-01,  8.64257812e-02,
         7.95898438e-02,  3.68652344e-02, -3.55468750e-01, -3.97949219e-02,
        -3.36914062e-02,  2.94921875e-01,  9.71679688e-02,  1.99218750e-01,
        -1.03027344e-01, -6.44531250e-02, -1.41601562e-01, -6.34765625e-02,
        -3.56445312e-02, -7.08007812e-02,  8.60595703e-03,  1.39648438e-01,
        -8.00781250e-02, -1.68945312e-01, -1.12304688e-01, -1.79443359e-02,
        -2.14843750e-02, -1.10839844e-01, -3.10058594e-02, -2.57812500e-01,
        -2.96875000e-01, -3.88183594e-02, -5.59082031e-02, -2.85644531e-02,
         1.69677734e-02, -6.98242188e-02, -3.56445312e-02,  2.00195312e-02,
         4.46777344e-02,  3.53515625e-01, -3.36914062e-02, -5.71289062e-02,
        -1.25000000e-01, -3.86718750e-01, -9.71679688e-02, -3.26538086e-03,
         5.56640625e-02,  2.75390625e-01,  3.29589844e-02,  2.34375000e-02,
        -2.04467773e-03, -1.84570312e-01, -3.29589844e-02,  8.25195312e-02,
        -2.59765625e-01, -1.51367188e-02,  1.81884766e-02, -1.71875000e-01,
         4.00390625e-02, -1.86523438e-01, -2.63671875e-01, -1.37695312e-01,
         9.70458984e-03,  1.08642578e-02, -7.81250000e-02, -5.73730469e-03,
         5.10253906e-02,  7.47070312e-02,  4.10156250e-02,  1.99218750e-01,
         1.53320312e-01,  3.93066406e-02,  7.37304688e-02, -1.40625000e-01,
         2.01416016e-02, -3.93066406e-02, -8.78906250e-03,  1.22558594e-01,
         9.37500000e-02,  8.49609375e-02, -1.35742188e-01,  1.65039062e-01,
         7.17773438e-02,  6.12792969e-02, -3.18359375e-01, -1.68945312e-01,
        -1.28906250e-01,  3.68652344e-02,  7.81250000e-02, -6.29882812e-02,
         1.25000000e-01, -6.15234375e-02,  8.98437500e-02, -1.83593750e-01,
         8.64257812e-02,  3.08593750e-01,  2.94189453e-02, -4.45556641e-03,
         8.66699219e-03, -3.83300781e-02, -1.17675781e-01,  6.54296875e-02,
        -1.92382812e-01, -5.85937500e-02, -1.04980469e-02,  5.10253906e-02,
        -1.20239258e-02,  1.72851562e-01, -1.11816406e-01,  1.18164062e-01,
        -1.05468750e-01, -8.00781250e-02,  9.71679688e-02,  8.74023438e-02,
         8.93554688e-02,  2.60009766e-02,  2.49023438e-01, -2.27050781e-02,
         1.41601562e-01, -1.43554688e-01, -1.66015625e-02,  1.31835938e-01,
         1.09863281e-01,  1.37695312e-01, -1.17187500e-01, -1.88476562e-01,
         1.14746094e-01,  1.50390625e-01,  1.52343750e-01,  3.02734375e-02,
        -3.68652344e-02,  4.66918945e-03,  6.29882812e-02, -8.25195312e-02,
         3.08593750e-01, -4.58984375e-02, -4.39453125e-02,  2.51464844e-02,
```

```
         6.15234375e-02,  1.33789062e-01, -1.96289062e-01,  7.08007812e-02,
        -6.34765625e-03, -1.19140625e-01, -1.53320312e-01, -3.61328125e-01,
        -1.02539062e-01,  1.35742188e-01,  1.39160156e-02,  4.17480469e-02,
        -9.61914062e-02, -1.49414062e-01, -5.54199219e-02, -4.00390625e-02,
         6.73828125e-02, -1.19628906e-01, -2.12890625e-01, -1.92382812e-01,
         1.72851562e-01, -6.83593750e-02, -2.12890625e-01,  7.44628906e-03,
         1.14135742e-02, -1.49414062e-01,  2.88085938e-02, -1.21582031e-01,
         6.39648438e-02, -3.10546875e-01, -1.85546875e-01, -2.59765625e-01,
         3.34472656e-02, -1.64794922e-02,  1.63085938e-01, -1.39648438e-01,
         1.98242188e-01, -8.25195312e-02, -3.04687500e-01,  1.49414062e-01,
        -3.08593750e-01, -1.81640625e-01,  1.16210938e-01, -1.74713135e-03,
        -4.08203125e-01, -1.60156250e-01, -2.12402344e-02, -1.96289062e-01,
        -1.31225586e-02, -4.30297852e-03, -8.05664062e-02, -1.60156250e-01,
         2.69531250e-01, -1.88476562e-01, -5.41992188e-02, -4.88281250e-02,
         1.25976562e-01, -3.35937500e-01, -5.63964844e-02, -2.96875000e-01,
         4.07714844e-02,  9.13085938e-02, -1.26953125e-01,  2.40478516e-02,
        -6.83593750e-02,  1.31225586e-02, -1.60217285e-03, -4.39453125e-03,
         3.93066406e-02, -8.10546875e-02,  1.78222656e-02, -5.46875000e-02,
         1.35742188e-01,  1.40625000e-01,  2.81982422e-02,  3.44238281e-02,
         2.67578125e-01,  7.03125000e-02, -1.21582031e-01, -9.03320312e-02,
         2.12890625e-01, -1.00585938e-01, -4.21142578e-03,  2.05078125e-01,
        -2.95410156e-02,  2.22656250e-01,  4.21142578e-03, -5.29785156e-02,
         6.29882812e-02, -1.14135742e-02,  5.54199219e-02,  1.70898438e-02,
         1.75781250e-01,  3.51562500e-02,  1.57226562e-01,  1.45507812e-01,
        -9.09423828e-03, -3.34472656e-02, -5.12695312e-02, -9.91210938e-02,
        -1.89453125e-01,  3.12500000e-02, -2.86865234e-02,  5.63964844e-02,
        -3.20434570e-04,  1.12792969e-01,  1.08398438e-01,  2.53906250e-01,
        -1.53320312e-01, -1.21093750e-01, -2.64892578e-02,  9.03320312e-02,
        -9.42382812e-02,  1.63085938e-01, -9.03320312e-02,  1.20605469e-01,
        -3.29589844e-02,  1.62353516e-02, -3.12500000e-01,  1.54418945e-02,
         2.30712891e-02, -1.64062500e-01,  6.88476562e-02,  6.05468750e-02,
        -2.41699219e-02,  1.41601562e-01,  9.03320312e-02, -1.53320312e-01,
        -8.78906250e-02,  1.35498047e-02,  7.91015625e-02,  9.03320312e-02,
         3.54003906e-02, -4.22363281e-02,  1.63085938e-01, -1.40991211e-02,
        -2.52685547e-02, -2.96875000e-01,  3.97949219e-02, -5.59082031e-02,
        -1.85546875e-01, -4.15039062e-02,  3.00781250e-01,  2.50000000e-01,
        -5.93261719e-02,  2.16064453e-02, -7.91015625e-02, -5.07812500e-02,
        -3.75976562e-02,  1.47094727e-02, -1.19018555e-02,  7.42187500e-02,
         2.15820312e-01,  7.17773438e-02, -4.95605469e-02,  1.45507812e-01,
         8.64257812e-02, -4.49218750e-02,  1.48437500e-01, -2.48046875e-0
1],
       dtype=float32),
 'support': array([-8.98437500e-02, -1.47460938e-01, -4.95605469e-02,  2.92
968750e-03,
        -3.35937500e-01,  1.68945312e-01, -7.32421875e-02, -1.43554688e-01,
         1.06933594e-01, -2.08740234e-02, -1.14257812e-01,  2.61718750e-01,
        -8.49609375e-02,  2.27539062e-01,  3.75976562e-02, -1.10839844e-01,
         2.97851562e-02,  7.91015625e-02, -2.53906250e-02, -2.59765625e-01,
         8.00781250e-02,  2.04101562e-01,  8.78906250e-02,  1.36718750e-02,
         5.98144531e-02, -1.49414062e-01, -1.52343750e-01,  5.49316406e-02,
        -3.68652344e-02, -2.65625000e-01,  2.44140625e-01, -9.27734375e-02,
        -1.30859375e-01, -6.98242188e-02,  8.44726562e-02,  5.59082031e-02,
        -6.54296875e-02,  1.44531250e-01, -1.36718750e-01, -1.28906250e-01,
         1.30859375e-01,  4.56542969e-02, -7.22656250e-02, -2.20947266e-02,
        -2.50000000e-01, -1.62109375e-01, -2.05078125e-01, -1.28906250e-01,
        -1.83105469e-02,  7.71484375e-02,  8.39843750e-02, -1.26953125e-01,
        -2.33459473e-03,  4.61425781e-02, -2.61718750e-01,  4.42504883e-03,
        -1.59179688e-01,  2.27050781e-02, -1.65039062e-01, -1.94335938e-01,
        -1.81640625e-01,  3.41796875e-02,  3.66210938e-02, -1.72851562e-01,
        -6.39648438e-02, -1.43554688e-01, -2.32421875e-01,  5.98144531e-02,
        -6.20117188e-02,  3.16406250e-01,  1.04003906e-01, -2.00195312e-01,
         1.23535156e-01,  5.78613281e-02,  4.73632812e-02, -8.93554688e-02,
         1.68945312e-01, -8.15429688e-02,  2.50000000e-01,  1.46484375e-01,
        -3.78417969e-02,  1.37695312e-01,  3.80859375e-02,  4.58984375e-02,
```

```
        -4.76074219e-03,  6.34765625e-02, -1.32812500e-01,  1.14746094e-02,
        -1.21093750e-01, -1.03027344e-01, -4.57763672e-03, -5.05371094e-02,
        -3.36914062e-02, -2.09960938e-01,  1.66015625e-01, -1.25000000e-01,
        -1.46484375e-01,  2.24609375e-02,  2.40478516e-02,  2.28271484e-02,
        -2.06054688e-01, -3.97949219e-02,  1.08886719e-01,  6.49414062e-02,
        -1.21582031e-01, -2.37304688e-01,  8.78906250e-02, -2.25585938e-01,
         1.44531250e-01, -9.96093750e-02, -1.91406250e-01, -8.20312500e-02,
        -1.01562500e-01,  1.70898438e-01,  5.07812500e-02,  3.22265625e-02,
        -1.14257812e-01,  1.05590820e-02,  1.47460938e-01,  1.12304688e-01,
         1.25976562e-01,  1.53198242e-02,  3.93066406e-02,  6.34765625e-02,
        -1.05468750e-01, -6.07910156e-02,  2.20947266e-02,  1.47094727e-02,
         1.25976562e-01,  2.41699219e-02, -2.62451172e-02, -1.03515625e-01,
         1.48437500e-01, -1.03515625e-01, -1.73950195e-03, -1.84570312e-01,
         1.59179688e-01, -1.28906250e-01, -7.08007812e-02,  8.49609375e-02,
        -1.03027344e-01,  1.16699219e-01,  2.22167969e-02,  1.03515625e-01,
        -8.44726562e-02, -4.88281250e-02, -7.22656250e-02, -1.11816406e-01,
         8.64257812e-02,  1.98974609e-02,  5.15136719e-02,  5.61523438e-02,
        -7.03125000e-02,  5.98144531e-02,  2.19726562e-01, -1.82617188e-01,
        -7.17773438e-02,  5.46264648e-03, -1.83593750e-01, -2.39257812e-01,
         5.61523438e-02,  2.36816406e-02, -1.14746094e-01,  1.20605469e-01,
         3.39355469e-02, -2.85156250e-01, -1.80664062e-01,  6.86645508e-03,
         1.73339844e-02, -1.44531250e-01,  8.10546875e-02, -7.51953125e-02,
         1.12792969e-01, -3.41796875e-01,  2.40234375e-01, -9.22851562e-02,
        -3.97949219e-02,  1.09375000e-01,  7.08007812e-02,  2.50244141e-02,
        -3.43750000e-01, -1.30859375e-01,  2.05078125e-02, -4.37011719e-02,
         7.51953125e-02, -1.04003906e-01, -1.16699219e-01, -9.03320312e-02,
         7.56835938e-02, -1.95312500e-02,  1.91650391e-02,  2.69775391e-02,
         1.34765625e-01, -1.15234375e-01, -1.25976562e-01,  2.20947266e-02,
         2.22656250e-01, -4.78515625e-02,  5.34667969e-02, -3.14453125e-01,
        -2.45117188e-01,  1.42578125e-01, -5.68847656e-02, -2.38281250e-01,
         5.64575195e-03,  6.59179688e-02, -2.06054688e-01, -4.73022461e-03,
         7.17773438e-02,  3.19824219e-02,  2.14843750e-01,  4.32128906e-02,
         2.36816406e-02,  1.22070312e-01, -7.91015625e-02, -7.39097595e-05,
         2.51953125e-01,  1.64794922e-02, -1.20605469e-01,  8.72802734e-03,
        -1.89208984e-02, -3.22265625e-02, -1.16699219e-01,  5.05371094e-02,
        -1.26953125e-01, -2.37304688e-01,  8.85009766e-03, -9.17968750e-02,
         3.18359375e-01,  5.37109375e-02, -1.89453125e-01,  5.32226562e-02,
         6.73828125e-02, -1.31835938e-01, -3.95507812e-02, -5.90820312e-02,
        -8.39843750e-02,  3.51562500e-02,  2.19726562e-01, -8.91113281e-03,
        -1.78710938e-01, -2.79541016e-02, -1.43554688e-01,  2.32421875e-01,
         6.98242188e-02, -1.00097656e-02,  6.98242188e-02,  1.67236328e-02,
        -8.48388672e-03,  4.27246094e-02,  7.32421875e-03,  2.30468750e-01,
        -3.83300781e-02,  1.08398438e-01, -1.14257812e-01,  8.05664062e-02,
         9.71679688e-02,  5.05371094e-02, -8.20312500e-02,  6.29882812e-02,
        -8.20312500e-02, -4.71191406e-02, -1.69921875e-01,  1.67968750e-01,
         1.00097656e-02,  9.91210938e-02, -5.11169434e-04,  3.24707031e-02,
        -2.64892578e-02, -1.14135742e-02, -2.28515625e-01, -4.58984375e-02,
         1.83593750e-01, -1.11816406e-01,  2.41210938e-01, -3.90625000e-02,
        -1.59179688e-01, -7.76367188e-02, -1.25976562e-01, -1.59179688e-01,
        -2.74658203e-02,  1.30859375e-01,  1.51367188e-01,  2.79296875e-01,
        -2.45117188e-01, -1.61132812e-02, -1.96533203e-02, -4.82177734e-03,
         2.87109375e-01, -1.76757812e-01, -1.62109375e-01,  7.03125000e-02,
         1.34765625e-01, -2.42187500e-01,  1.13769531e-01,  1.39770508e-02,
        -1.42211914e-02,  1.82617188e-01, -3.22265625e-02,  4.80957031e-0
2],
       dtype=float32),
 'individual': array([ 0.10449219, -0.07958984, -0.00546265,  0.23046875, -
0.1484375 ,
        -0.19433594,  0.1953125 ,  0.09912109,  0.13378906, -0.05395508,
        -0.140625  , -0.07568359,  0.21582031,  0.08349609, -0.1171875 ,
         0.24316406, -0.04467773,  0.30859375, -0.22167969, -0.06933594,
        -0.08691406, -0.07421875, -0.26757812,  0.10986328, -0.06005859,
        -0.0032959 , -0.1484375 ,  0.09912109, -0.02172852, -0.07519531,
         0.00133514, -0.00592041,  0.08496094, -0.03295898,  0.12695312,
```

```
        -0.05175781,  0.0703125 , -0.15527344,  0.08349609,  0.21582031,
         0.19921875,  0.23339844, -0.046875  ,  0.20898438,  0.18261719,
        -0.19042969, -0.01269531,  0.12890625,  0.03417969, -0.23828125,
         0.14453125,  0.04980469, -0.14941406,  0.13671875,  0.07763672,
         0.15625   , -0.04467773, -0.12304688,  0.0534668 ,  0.08007812,
         0.09912109,  0.04345703,  0.01831055, -0.07910156,  0.05615234,
        -0.22070312, -0.03564453,  0.03955078,  0.01318359,  0.0703125 ,
        -0.11767578, -0.1484375 ,  0.26757812, -0.16113281, -0.04370117,
        -0.15332031,  0.10742188, -0.08154297,  0.0390625 , -0.12011719,
        -0.00540161, -0.03393555, -0.05664062,  0.10498047,  0.10253906,
        -0.17871094, -0.17285156,  0.1328125 , -0.11328125,  0.09667969,
         0.07275391,  0.04711914, -0.12207031,  0.01965332,  0.11962891,
        -0.06079102,  0.08935547, -0.01477051, -0.11279297, -0.109375  ,
         0.11474609, -0.03857422,  0.0144043 , -0.03564453, -0.09716797,
         0.1328125 ,  0.03759766, -0.02111816,  0.13476562, -0.00047493,
        -0.03857422, -0.25195312, -0.12011719, -0.03466797,  0.171875  ,
         0.02429199, -0.08984375, -0.07763672,  0.10009766,  0.11621094,
        -0.1796875 , -0.0177002 ,  0.07080078,  0.0859375 , -0.09765625,
        -0.11669922,  0.14550781,  0.04956055, -0.02954102,  0.26953125,
        -0.06933594, -0.16992188, -0.15820312,  0.03271484, -0.07617188,
        -0.265625  , -0.17773438, -0.08984375,  0.02441406, -0.02539062,
        -0.0032196 ,  0.00671387, -0.19628906,  0.00312805, -0.02746582,
        -0.01202393, -0.05126953, -0.10986328, -0.03637695,  0.10107422,
        -0.03662109,  0.11035156, -0.04614258, -0.20605469,  0.04370117,
        -0.09375   ,  0.11523438, -0.140625  ,  0.06640625,  0.12109375,
        -0.16113281,  0.00309753,  0.0534668 ,  0.01544189, -0.12402344,
         0.02697754,  0.00708008, -0.09326172,  0.03637695,  0.18847656,
        -0.34960938, -0.26757812, -0.09033203, -0.20996094, -0.03088379,
        -0.15136719,  0.19921875, -0.12255859,  0.03198242, -0.05932617,
        -0.06689453, -0.16015625, -0.05297852,  0.04223633, -0.11572266,
        -0.02026367, -0.10107422,  0.20898438, -0.05664062,  0.08105469,
         0.13476562, -0.11181641, -0.08300781, -0.07666016, -0.16699219,
        -0.27539062,  0.15820312, -0.01226807, -0.12695312, -0.08398438,
         0.13964844,  0.19238281,  0.00285339, -0.01324463, -0.109375  ,
        -0.21972656, -0.17675781, -0.05175781, -0.03857422, -0.24609375,
        -0.08789062, -0.13378906, -0.12792969,  0.00598145, -0.04223633,
        -0.01147461,  0.09326172,  0.14257812, -0.16699219, -0.06689453,
        -0.1875    ,  0.00045586, -0.02319336, -0.24804688, -0.11083984,
         0.10595703,  0.32226562,  0.04711914, -0.06689453, -0.03759766,
         0.24121094, -0.05517578, -0.15429688,  0.09423828, -0.06347656,
        -0.17382812,  0.07763672, -0.04052734, -0.02233887, -0.06835938,
         0.06152344, -0.08789062,  0.16015625, -0.00531006,  0.06201172,
         0.04833984, -0.17480469,  0.03686523, -0.03491211, -0.10839844,
        -0.08935547,  0.12402344,  0.01989746, -0.0291748 ,  0.02026367,
        -0.00939941,  0.10546875,  0.03540039,  0.0291748 ,  0.16503906,
        -0.15234375,  0.02636719, -0.2890625 , -0.08837891,  0.14160156,
         0.07324219,  0.04272461,  0.26953125, -0.24902344, -0.12060547,
         0.09277344, -0.01965332,  0.10644531,  0.20605469, -0.01342773,
        -0.01263428, -0.01409912, -0.24121094,  0.24121094,  0.15820312,
        -0.17773438, -0.19238281,  0.16992188, -0.01525879, -0.140625  ,
         0.16992188, -0.13964844,  0.08496094,  0.2578125 ,  0.08984375,
         0.07666016,  0.10595703,  0.03613281, -0.10986328, -0.21679688,
         0.12792969,  0.13476562,  0.03369141,  0.01434326, -0.01141357],
       dtype=float32),
 'family': array([-0.01879883, -0.11816406, -0.14355469,  0.13964844,  0.06
738281,
         0.17285156, -0.046875  , -0.13574219,  0.14453125, -0.05834961,
         0.45507812, -0.12597656, -0.02331543, -0.00653076, -0.12890625,
         0.08642578,  0.08496094,  0.19238281, -0.12304688,  0.06054688,
        -0.02514648, -0.07226562,  0.13476562, -0.07373047,  0.01989746,
        -0.07958984, -0.2421875 ,  0.20800781,  0.140625  , -0.26171875,
         0.11669922, -0.09179688, -0.03466797,  0.09960938, -0.02416992,
         0.00830078,  0.26757812, -0.27929688,  0.04589844, -0.04882812,
         0.18164062,  0.13574219, -0.00360107, -0.12597656,  0.08691406,
```

```
        -0.01098633, -0.03686523,  0.16015625,  0.05566406, -0.12011719,
         0.1796875 , -0.04125977,  0.18457031,  0.08007812,  0.11230469,
         0.03198242, -0.34570312,  0.30859375, -0.0378418 , -0.02868652,
         0.04125977,  0.15136719,  0.10888672,  0.14453125,  0.02905273,
         0.01196289,  0.00982666, -0.03564453,  0.08447266,  0.01312256,
         0.02209473, -0.01055908,  0.01879883, -0.10107422, -0.06347656,
         0.17089844, -0.05419922, -0.17382812,  0.2578125 ,  0.12109375,
         0.15917969,  0.06298828,  0.05273438,  0.0189209 , -0.04052734,
        -0.1953125 , -0.26953125,  0.19335938, -0.02062988,  0.03369141,
         0.11816406, -0.140625  , -0.0480957 , -0.1484375 , -0.03027344,
        -0.05517578, -0.10009766,  0.00634766,  0.08642578, -0.09033203,
        -0.11328125, -0.06884766,  0.15332031,  0.01373291, -0.06347656,
        -0.08203125,  0.08837891, -0.01275635,  0.12695312, -0.00653076,
         0.00234985, -0.03271484,  0.16796875, -0.10351562,  0.20019531,
        -0.12792969, -0.07226562, -0.00531006, -0.00340271,  0.08349609,
        -0.07910156, -0.14746094,  0.05029297, -0.03686523, -0.06591797,
        -0.04174805,  0.11328125, -0.15625   , -0.05810547, -0.08544922,
         0.07470703, -0.01556396, -0.13183594, -0.03857422,  0.05761719,
        -0.0279541 ,  0.09228516,  0.1171875 ,  0.25585938,  0.00842285,
         0.03686523, -0.11425781, -0.15039062,  0.00811768,  0.11083984,
         0.06591797, -0.09228516,  0.11328125, -0.08203125,  0.05053711,
         0.31054688,  0.11474609,  0.00393677, -0.03540039, -0.06640625,
        -0.23046875,  0.09472656, -0.08740234,  0.17578125, -0.11621094,
        -0.17675781,  0.18164062,  0.1640625 ,  0.20703125,  0.01928711,
         0.078125  ,  0.03442383,  0.11621094, -0.02294922,  0.15234375,
        -0.00799561, -0.13867188,  0.05908203, -0.24707031,  0.02880859,
         0.0859375 ,  0.12255859,  0.34179688,  0.07861328,  0.359375  ,
        -0.07324219,  0.00543213,  0.0324707 ,  0.02148438,  0.01092529,
        -0.13671875,  0.03112793,  0.09179688,  0.09082031,  0.02355957,
        -0.06542969,  0.03735352, -0.10986328, -0.08203125,  0.06494141,
         0.05102539,  0.0213623 ,  0.01116943, -0.18554688, -0.05541992,
        -0.16210938,  0.01745605, -0.22363281, -0.12988281,  0.02148438,
        -0.06933594,  0.01867676,  0.03369141,  0.02270508, -0.23046875,
         0.05297852, -0.06445312, -0.05224609,  0.08984375,  0.09716797,
         0.15917969, -0.08935547,  0.31445312, -0.2890625 , -0.09863281,
        -0.03979492,  0.10400391,  0.06884766, -0.06054688, -0.07080078,
        -0.35351562,  0.24414062,  0.14257812, -0.0062561 , -0.08105469,
        -0.11279297,  0.140625  , -0.12158203, -0.13476562,  0.00357056,
        -0.07470703,  0.01660156, -0.01409912, -0.17285156, -0.05297852,
        -0.07910156, -0.08300781, -0.16503906, -0.0612793 ,  0.09960938,
         0.46289062,  0.01745605,  0.01550293,  0.12402344, -0.12451172,
         0.02001953,  0.17675781,  0.2578125 , -0.10351562, -0.03088379,
        -0.13769531, -0.09326172, -0.03662109, -0.17089844,  0.0168457 ,
        -0.17871094, -0.29296875, -0.09423828,  0.02709961,  0.06201172,
         0.27539062, -0.02331543, -0.11132812, -0.05883789,  0.11083984,
         0.05273438, -0.01434326,  0.09375   , -0.11230469,  0.16308594,
        -0.19824219,  0.08398438, -0.10546875, -0.04003906, -0.27734375,
         0.05151367, -0.203125  , -0.01519775,  0.08642578,  0.05126953,
         0.22070312, -0.01855469,  0.24609375,  0.02526855,  0.17773438,
        -0.23730469,  0.0625    , -0.35742188, -0.0234375 , -0.01025391,
         0.07763672, -0.12255859, -0.05566406,  0.12255859, -0.10253906],
       dtype=float32),
 'coordinating': array([-0.00343323, -0.07861328,  0.03637695, -0.08203125,
-0.03015137,
         0.14550781, -0.12988281, -0.0546875 ,  0.21582031, -0.43554688,
         0.12988281, -0.09130859, -0.04125977,  0.1328125 , -0.18945312,
         0.03466797, -0.12402344, -0.11035156, -0.09619141, -0.10595703,
        -0.1953125 ,  0.22167969,  0.09960938,  0.02160645,  0.02685547,
        -0.08935547, -0.14746094, -0.04492188, -0.15332031, -0.11474609,
        -0.00939941, -0.16308594,  0.12695312,  0.11181641,  0.09228516,
         0.00457764,  0.06542969, -0.09082031,  0.20996094,  0.02282715,
        -0.04467773,  0.07910156, -0.08496094, -0.03613281, -0.11035156,
        -0.34570312, -0.17382812,  0.01708984, -0.00179291,  0.09521484,
        -0.02001953, -0.09814453,  0.07373047,  0.01953125, -0.12597656,
```

```
        -0.01202393, -0.0213623 , -0.296875  ,  0.23535156,  0.09277344,
        -0.3046875 ,  0.14257812, -0.16894531,  0.12011719,  0.23925781,
         0.07861328, -0.21484375, -0.06396484, -0.08544922, -0.06640625,
         0.07128906,  0.04931641,  0.13574219, -0.05029297, -0.11865234,
        -0.20703125, -0.02758789, -0.23242188,  0.00964355,  0.06176758,
         0.02526855, -0.03613281,  0.03393555, -0.11523438,  0.02001953,
        -0.19628906,  0.00805664, -0.3125    ,  0.13867188,  0.09912109,
         0.3671875 , -0.33984375,  0.11474609, -0.21582031,  0.03344727,
        -0.04077148,  0.07958984, -0.28710938, -0.21191406,  0.26953125,
        -0.13378906, -0.05737305,  0.21777344, -0.06445312, -0.01965332,
         0.05981445, -0.13574219, -0.15917969,  0.17675781,  0.03271484,
        -0.13867188, -0.23535156,  0.05541992, -0.0014267 , -0.08154297,
         0.08544922,  0.03881836,  0.09912109,  0.13183594, -0.00994873,
        -0.1640625 , -0.02624512, -0.00860596,  0.39648438,  0.11035156,
         0.12597656, -0.07080078, -0.06176758,  0.01611328,  0.16894531,
         0.10107422, -0.19433594, -0.00247192,  0.14941406, -0.21289062,
        -0.12451172,  0.01928711,  0.02905273,  0.02197266, -0.13867188,
         0.01708984,  0.13476562, -0.21777344, -0.08203125, -0.12792969,
         0.12109375, -0.12011719, -0.07861328, -0.10498047, -0.01483154,
         0.19824219,  0.19628906, -0.12109375,  0.28320312,  0.265625  ,
        -0.13476562,  0.09619141, -0.13378906,  0.00242615,  0.30273438,
         0.05932617, -0.21289062,  0.09521484,  0.16992188,  0.09228516,
         0.26367188,  0.31835938, -0.14550781,  0.32617188,  0.11279297,
         0.03759766,  0.03857422,  0.41015625, -0.19042969,  0.16308594,
        -0.0177002 ,  0.25976562, -0.35546875, -0.30664062,  0.10888672,
        -0.12695312, -0.171875  ,  0.07373047, -0.0390625 , -0.12988281,
        -0.08740234,  0.20214844, -0.2421875 , -0.17578125, -0.01916504,
         0.03540039,  0.19042969,  0.38476562, -0.02587891, -0.28320312,
        -0.03295898,  0.3125    , -0.265625  ,  0.20410156, -0.23144531,
        -0.05737305,  0.07617188, -0.02807617, -0.24023438, -0.1171875 ,
        -0.04467773, -0.10791016, -0.01519775,  0.13378906,  0.2578125 ,
         0.19042969, -0.20019531, -0.13769531, -0.02075195,  0.32226562,
        -0.32617188, -0.01928711, -0.02185059, -0.16699219, -0.02172852,
         0.10302734, -0.16015625,  0.05102539,  0.19335938, -0.16601562,
        -0.09619141, -0.14160156,  0.07470703,  0.25390625, -0.07763672,
         0.03466797, -0.09130859, -0.15234375,  0.22363281, -0.18554688,
        -0.37109375,  0.10839844, -0.36328125, -0.02050781, -0.20898438,
        -0.16113281,  0.140625  , -0.18261719,  0.140625  ,  0.02526855,
        -0.18652344,  0.04370117, -0.09521484,  0.02197266, -0.4453125 ,
        -0.22167969,  0.33203125, -0.203125  ,  0.13085938,  0.3671875 ,
        -0.16113281,  0.03051758, -0.06347656,  0.02758789,  0.01794434,
        -0.17089844, -0.00160217,  0.20800781, -0.14746094,  0.296875  ,
         0.0703125 ,  0.12695312,  0.0043335 , -0.17773438,  0.19238281,
        -0.12792969,  0.14453125,  0.04492188,  0.25390625,  0.12792969,
        -0.04321289,  0.03686523,  0.24902344,  0.05834961, -0.09716797,
        -0.17382812, -0.21679688, -0.05224609,  0.04150391,  0.07617188,
         0.2578125 ,  0.08105469, -0.09375   ,  0.51171875, -0.15429688,
        -0.31640625, -0.20898438,  0.14550781,  0.01647949, -0.01202393,
         0.14355469,  0.16308594,  0.0480957 ,  0.10400391,  0.35351562],
       dtype=float32),
 'providing': array([-0.17675781, -0.03344727, -0.10058594, -0.03540039,
0.0030365 ,
         0.06982422,  0.02429199,  0.01495361,  0.11816406,  0.10986328,
        -0.23730469, -0.14257812, -0.02453613,  0.19921875, -0.03442383,
        -0.05688477, -0.17773438, -0.04663086, -0.09423828, -0.13574219,
        -0.00683594, -0.1171875 , -0.08398438,  0.01574707, -0.02709961,
        -0.15527344, -0.15234375,  0.09667969, -0.11523438, -0.05224609,
         0.05615234, -0.359375  , -0.15722656,  0.0402832 , -0.02966309,
         0.08398438, -0.01452637, -0.1875    , -0.00048828, -0.08496094,
        -0.02661133,  0.26757812, -0.08642578, -0.06494141, -0.13574219,
        -0.37890625,  0.00561523,  0.12792969,  0.14355469,  0.13183594,
         0.05126953,  0.06835938, -0.03710938, -0.05200195,  0.11816406,
         0.20019531, -0.15527344,  0.03149414, -0.02856445, -0.04711914,
         0.00982666,  0.10302734, -0.19238281, -0.34179688, -0.01904297,
```

```
         0.05712891, -0.19824219, -0.06494141,  0.0625    , -0.0480957 ,
        -0.06494141,  0.18359375, -0.03149414,  0.00096512,  0.14746094,
        -0.20605469,  0.11425781, -0.09082031,  0.08886719,  0.11230469,
        -0.05273438,  0.03295898, -0.1015625 ,  0.15625   ,  0.0534668 ,
        -0.18066406, -0.2734375 , -0.09765625,  0.05688477,  0.03662109,
         0.11523438, -0.02233887,  0.1171875 , -0.06787109, -0.06201172,
        -0.03344727,  0.05761719,  0.16894531,  0.03979492,  0.09912109,
        -0.09863281, -0.08691406,  0.01098633,  0.02429199, -0.24902344,
         0.19238281,  0.01831055,  0.07470703,  0.02050781, -0.02185059,
        -0.21191406,  0.10742188, -0.17382812,  0.07714844,  0.00092697,
         0.15722656,  0.11572266,  0.11132812,  0.25390625, -0.04321289,
        -0.02880859,  0.01782227, -0.04174805,  0.15234375,  0.06298828,
         0.09570312, -0.18945312, -0.1796875 , -0.04418945,  0.16015625,
         0.06176758,  0.04541016, -0.15820312,  0.03100586, -0.07617188,
        -0.1875    ,  0.25585938, -0.06689453, -0.06176758,  0.11669922,
         0.01165771,  0.03125   , -0.19726562, -0.03491211, -0.01501465,
        -0.11328125, -0.1328125 , -0.3203125 , -0.04785156,  0.06982422,
        -0.02966309,  0.03564453, -0.18554688, -0.29296875, -0.10009766,
        -0.09423828,  0.10058594,  0.00384521, -0.17578125, -0.14355469,
         0.03930664, -0.03466797, -0.15527344,  0.09033203, -0.23828125,
        -0.04833984, -0.01647949, -0.04589844,  0.00367737, -0.4453125 ,
        -0.23632812, -0.14160156,  0.13671875,  0.01611328,  0.04614258,
        -0.15722656,  0.07568359, -0.24804688, -0.32617188,  0.13867188,
        -0.23339844, -0.22851562,  0.13085938, -0.12255859, -0.3203125 ,
        -0.13378906, -0.21484375, -0.13476562,  0.02832031, -0.01977539,
        -0.11621094,  0.01312256,  0.37890625, -0.23144531, -0.12304688,
        -0.05444336, -0.07421875, -0.19628906,  0.13671875, -0.21777344,
        -0.04516602,  0.13085938, -0.03808594, -0.18359375,  0.02746582,
        -0.00897217, -0.01428223, -0.00071716, -0.07128906, -0.17089844,
         0.0378418 , -0.07470703,  0.12451172,  0.1640625 ,  0.1875    ,
         0.09130859,  0.04296875,  0.03112793, -0.1953125 ,  0.0055542 ,
         0.25      , -0.08007812,  0.07519531,  0.25195312, -0.17480469,
         0.23242188, -0.04052734, -0.12597656,  0.03637695, -0.07128906,
        -0.12451172, -0.14550781,  0.12158203,  0.08056641, -0.06347656,
         0.03930664,  0.03637695,  0.02844238, -0.10351562, -0.13378906,
        -0.06225586,  0.10205078, -0.15136719,  0.00312805,  0.08886719,
         0.06884766,  0.13574219,  0.16894531, -0.08544922, -0.20800781,
         0.00939941,  0.11425781, -0.06933594,  0.17285156, -0.03491211,
         0.07275391,  0.05126953, -0.00485229, -0.29296875,  0.11376953,
         0.04956055, -0.17382812,  0.24804688, -0.0324707 , -0.1328125 ,
         0.14941406,  0.16210938, -0.08935547, -0.02099609,  0.12255859,
        -0.00338745,  0.0300293 , -0.00842285, -0.08740234,  0.08398438,
         0.03881836,  0.05541992,  0.01708984,  0.00065994, -0.05151367,
        -0.24023438, -0.10253906,  0.12402344,  0.26367188, -0.05419922,
         0.14257812,  0.01599121, -0.05151367,  0.20605469, -0.00357056,
        -0.14160156,  0.00631714,  0.04516602,  0.09765625, -0.04492188,
         0.20117188,  0.16992188,  0.06298828,  0.11279297,  0.01855469],
       dtype=float32),
 'service': array([ 0.06787109, -0.04125977,  0.10009766,  0.05883789,  0.0
5444336,
         0.01757812,  0.07226562, -0.09130859,  0.07226562,  0.12255859,
         0.06884766,  0.00561523, -0.06347656, -0.01501465,  0.08203125,
         0.06176758,  0.19726562, -0.09228516,  0.15722656, -0.28125   ,
         0.171875  , -0.11523438, -0.10986328,  0.08935547, -0.05395508,
         0.08691406, -0.38085938,  0.0324707 ,  0.19042969, -0.125     ,
         0.10253906, -0.22167969, -0.0378418 , -0.20117188,  0.1640625 ,
        -0.22363281,  0.02697754, -0.10058594, -0.04760742, -0.08496094,
        -0.07324219, -0.08056641,  0.03320312, -0.13964844,  0.03637695,
        -0.2109375 , -0.00363159, -0.08007812, -0.23144531,  0.06982422,
         0.20507812,  0.05151367, -0.06933594,  0.1328125 ,  0.06835938,
         0.0612793 , -0.3359375 ,  0.20703125, -0.17089844,  0.05249023,
        -0.07324219,  0.13085938, -0.21386719, -0.10546875, -0.14355469,
         0.20214844, -0.22070312,  0.02416992,  0.0279541 ,  0.18945312,
        -0.04785156, -0.01660156, -0.04882812, -0.03662109, -0.07519531,
```

```
        -0.23828125,  0.0255127 ,  0.11523438,  0.1953125 ,  0.01831055,
        -0.1328125 ,  0.05664062,  0.13867188,  0.03662109, -0.02856445,
        -0.01049805, -0.28710938,  0.07568359,  0.10498047,  0.13964844,
         0.20507812, -0.06445312,  0.03735352, -0.08300781,  0.12060547,
         0.0546875 , -0.24316406,  0.0291748 ,  0.09619141,  0.00228882,
         0.00358582, -0.01013184,  0.12451172,  0.07470703, -0.07568359,
        -0.10595703,  0.03564453,  0.22460938, -0.03637695, -0.03112793,
        -0.11669922, -0.0703125 , -0.27148438, -0.20214844, -0.00592041,
         0.2109375 , -0.09863281, -0.08691406,  0.23828125,  0.12597656,
        -0.02685547,  0.01080322, -0.05053711,  0.10888672,  0.12890625,
         0.25      , -0.10546875,  0.140625  ,  0.14453125,  0.10253906,
        -0.08691406,  0.06542969,  0.03759766, -0.25585938,  0.08740234,
        -0.2578125 , -0.04467773, -0.09619141,  0.04760742, -0.10107422,
        -0.12792969, -0.13378906,  0.06005859,  0.0559082 , -0.08642578,
        -0.03173828, -0.03039551, -0.21972656, -0.21972656,  0.18164062,
         0.08105469,  0.15429688, -0.06835938, -0.01635742, -0.06298828,
        -0.390625  ,  0.0145874 ,  0.20214844, -0.28125   , -0.22949219,
        -0.08544922,  0.15234375, -0.21484375,  0.19433594, -0.03369141,
        -0.05004883,  0.00558472, -0.15429688,  0.01220703, -0.22558594,
        -0.01599121, -0.08154297,  0.05932617, -0.21484375,  0.0402832 ,
         0.01171875,  0.20117188, -0.06542969, -0.24707031, -0.08544922,
        -0.12109375,  0.01147461, -0.10302734, -0.06835938, -0.01867676,
        -0.12402344, -0.10253906,  0.07373047, -0.1328125 , -0.03320312,
        -0.16601562, -0.09082031,  0.07763672,  0.06347656, -0.2890625 ,
         0.12207031, -0.11572266,  0.03613281, -0.01965332,  0.09277344,
        -0.11035156,  0.07324219, -0.08837891, -0.07861328, -0.25195312,
         0.08398438, -0.02429199, -0.1484375 , -0.07910156, -0.03027344,
        -0.00228882, -0.10058594, -0.16894531,  0.06396484,  0.15136719,
         0.07177734,  0.12011719, -0.01190186, -0.22265625, -0.0062561 ,
         0.02307129, -0.12597656,  0.10449219, -0.13769531,  0.12792969,
        -0.06835938, -0.01556396, -0.02856445, -0.05493164, -0.10986328,
         0.07617188, -0.31445312,  0.01599121, -0.09619141, -0.02587891,
         0.16601562,  0.01257324,  0.06884766,  0.04467773,  0.22167969,
         0.08886719, -0.09863281,  0.02929688, -0.05395508, -0.05810547,
        -0.05615234, -0.0625    , -0.06347656,  0.14648438, -0.13671875,
        -0.21679688,  0.10986328, -0.23632812, -0.10791016,  0.01806641,
        -0.02490234,  0.18457031,  0.02539062, -0.14257812,  0.0201416 ,
         0.20507812, -0.0168457 , -0.07470703,  0.17675781, -0.02697754,
         0.19140625,  0.07324219,  0.01855469, -0.14941406,  0.18359375,
        -0.00909424, -0.11523438,  0.07128906, -0.04516602,  0.1640625 ,
        -0.08007812, -0.05712891,  0.18457031, -0.03393555, -0.17382812,
        -0.21582031,  0.07177734,  0.23242188,  0.23535156, -0.08837891,
         0.1640625 , -0.06103516,  0.07373047,  0.01501465,  0.14746094,
         0.18261719, -0.10888672, -0.15039062,  0.17578125,  0.10644531,
         0.15722656, -0.11328125,  0.10449219, -0.08544922, -0.15429688],
       dtype=float32),
 'applied': array([-0.00765991, -0.04345703,  0.04248047, -0.04077148, -0.0
6640625,
        -0.18847656,  0.03198242, -0.07763672, -0.17871094,  0.00051498,
        -0.11328125, -0.05639648, -0.35351562, -0.17871094, -0.08251953,
         0.1328125 ,  0.15722656, -0.02624512, -0.140625  ,  0.03710938,
        -0.22460938,  0.05444336, -0.09033203,  0.02270508,  0.13867188,
        -0.17089844, -0.08544922,  0.03735352, -0.09277344,  0.01794434,
        -0.04003906, -0.09570312,  0.15429688, -0.03686523,  0.11083984,
         0.0168457 ,  0.03833008, -0.06298828,  0.12402344, -0.12890625,
         0.1796875 ,  0.06005859,  0.06347656, -0.17382812, -0.00068283,
        -0.17089844, -0.15917969,  0.05126953,  0.00247192,  0.1484375 ,
        -0.06103516, -0.13085938, -0.09130859, -0.11669922,  0.10400391,
        -0.07861328, -0.23144531, -0.06201172, -0.04858398,  0.04199219,
        -0.03051758, -0.04199219,  0.02966309, -0.22070312, -0.06689453,
         0.09130859,  0.02478027,  0.04858398,  0.16992188, -0.15917969,
        -0.09033203, -0.32617188,  0.28125   ,  0.05981445, -0.13085938,
        -0.20507812,  0.37695312,  0.06542969, -0.06738281,  0.16503906,
         0.07519531,  0.04492188, -0.19628906,  0.18261719,  0.00160217,
```

```
        -0.06933594, -0.24804688,  0.17285156, -0.09423828, -0.0612793 ,
        -0.01043701,  0.05126953,  0.15820312, -0.06298828,  0.09521484,
         0.06396484, -0.05859375,  0.03271484,  0.20996094,  0.05688477,
        -0.03710938, -0.0390625 , -0.14648438,  0.125     , -0.12597656,
        -0.33203125, -0.26171875, -0.06494141,  0.2734375 , -0.12890625,
        -0.11474609,  0.02783203,  0.02001953,  0.15722656,  0.25976562,
        -0.05102539, -0.01123047,  0.05541992,  0.18945312, -0.07910156,
         0.16699219, -0.09082031, -0.05957031, -0.07617188, -0.16113281,
         0.10302734,  0.11035156, -0.07714844,  0.0378418 ,  0.00411987,
         0.23828125, -0.20507812, -0.12304688, -0.02026367, -0.12988281,
        -0.17773438, -0.14550781,  0.03442383, -0.16308594,  0.1171875 ,
         0.08837891,  0.06787109, -0.34375   , -0.03833008,  0.06396484,
         0.16015625, -0.29296875, -0.02270508, -0.16503906, -0.15332031,
         0.2109375 , -0.00305176, -0.03320312, -0.14257812, -0.07568359,
         0.06640625, -0.40234375, -0.01507568, -0.06079102,  0.06542969,
         0.17285156, -0.00096893, -0.01019287, -0.20117188, -0.00970459,
        -0.15234375, -0.0612793 , -0.01806641,  0.17578125, -0.171875  ,
         0.03515625, -0.21484375, -0.33007812,  0.23730469,  0.15625   ,
         0.19335938,  0.22460938, -0.14453125, -0.14355469,  0.01287842,
        -0.07080078,  0.07421875, -0.08154297,  0.13671875, -0.02734375,
        -0.06396484, -0.01550293, -0.17871094, -0.09082031,  0.16699219,
        -0.14550781,  0.0559082 ,  0.13378906,  0.01647949, -0.07910156,
         0.20019531,  0.16503906, -0.29296875,  0.09179688, -0.07617188,
         0.05834961,  0.27539062,  0.16503906,  0.09130859, -0.37109375,
        -0.00576782, -0.046875  ,  0.203125  ,  0.00119019,  0.13769531,
         0.11767578,  0.14160156,  0.13671875,  0.15820312,  0.09765625,
        -0.06542969, -0.05810547,  0.08447266,  0.24316406,  0.16796875,
        -0.05761719, -0.06005859, -0.00671387, -0.0703125 ,  0.2265625 ,
         0.21191406,  0.09863281,  0.09375   , -0.19140625, -0.19335938,
        -0.02270508,  0.01513672,  0.02856445,  0.16015625,  0.00692749,
         0.04711914,  0.11621094, -0.14550781,  0.01806641,  0.11523438,
         0.14160156,  0.00238037, -0.10644531, -0.04614258, -0.08154297,
        -0.15722656, -0.32617188,  0.0133667 ,  0.00190735, -0.21582031,
         0.08056641, -0.07666016, -0.01098633,  0.11425781,  0.0291748 ,
         0.02526855, -0.20898438,  0.05273438,  0.23242188,  0.05810547,
        -0.08105469, -0.02575684, -0.14257812, -0.234375  ,  0.12304688,
         0.01184082,  0.18457031,  0.01916504, -0.21679688, -0.3203125 ,
         0.23730469, -0.11425781, -0.12353516,  0.10302734,  0.14257812,
        -0.3125    , -0.28710938, -0.10546875,  0.05126953,  0.12158203,
        -0.12158203,  0.23632812,  0.19433594,  0.11816406,  0.13671875,
        -0.15820312,  0.08154297,  0.21289062, -0.15136719,  0.03491211,
        -0.18554688, -0.00970459, -0.07470703,  0.265625  ,  0.12060547,
         0.24121094,  0.37304688, -0.00521851,  0.09277344, -0.03173828],
       dtype=float32),
 'behavior': array([ 9.21630859e-03,  9.96093750e-02, -3.97949219e-02,  7.8
6132812e-02,
        -2.69531250e-01, -8.34960938e-02, -9.27734375e-02, -1.30859375e-01,
         1.04492188e-01, -1.24511719e-01,  2.85644531e-02, -1.18164062e-01,
        -1.83105469e-02,  2.71484375e-01, -3.02734375e-01,  2.09960938e-01,
        -5.56640625e-02,  1.62109375e-01,  7.86132812e-02, -2.51953125e-01,
         2.34375000e-01, -4.23828125e-01, -1.36718750e-01,  1.51367188e-01,
        -6.93359375e-02, -2.69531250e-01, -1.75781250e-01,  3.32031250e-01,
         1.28906250e-01,  1.14746094e-01, -7.71484375e-02, -2.34375000e-01,
        -6.56127930e-03,  1.33789062e-01,  1.27929688e-01,  2.89306641e-02,
         9.66796875e-02,  1.99218750e-01,  2.06298828e-02, -7.91015625e-02,
         1.65039062e-01,  3.36914062e-02, -1.27929688e-01, -2.11914062e-01,
        -1.80664062e-01,  4.94384766e-03, -3.49426270e-03, -1.21093750e-01,
        -3.94531250e-01, -1.34765625e-01, -1.49414062e-01,  1.13281250e-01,
         4.22363281e-02, -1.28906250e-01,  3.98437500e-01,  1.02050781e-01,
        -1.99218750e-01, -2.59765625e-01, -2.19726562e-01, -1.70898438e-01,
        -7.99560547e-03,  4.68750000e-01, -1.18652344e-01,  1.26342773e-02,
        -2.92968750e-01,  1.43554688e-01,  1.71875000e-01,  1.82617188e-01,
        -2.50000000e-01,  1.86523438e-01,  5.78613281e-02, -3.17382812e-02,
         2.17773438e-01,  1.89453125e-01,  1.18652344e-01, -2.09960938e-01,
```

```
         4.05273438e-02,  1.40625000e-01,  1.86523438e-01,  1.74560547e-02,
         1.55273438e-01,  4.78515625e-02, -3.46374512e-03, -7.08007812e-02,
         1.39648438e-01, -1.54296875e-01, -4.12597656e-02,  9.22851562e-02,
        -1.30859375e-01,  5.55419922e-03,  1.61132812e-01, -1.27929688e-01,
        -1.52343750e-01, -4.46777344e-02,  3.24218750e-01, -2.25585938e-01,
         2.20703125e-01,  1.32812500e-01, -7.78198242e-03,  1.15356445e-02,
         3.24218750e-01, -6.73828125e-02, -3.32031250e-02,  1.10839844e-01,
         1.64062500e-01,  4.17480469e-02, -1.51367188e-02,  9.32617188e-02,
        -1.88476562e-01, -8.20312500e-02, -1.66015625e-01, -2.01171875e-01,
         8.10546875e-02, -2.02148438e-01,  1.11083984e-02, -4.27734375e-01,
        -1.18652344e-01, -5.44433594e-02,  7.93457031e-03, -6.15234375e-02,
        -1.96289062e-01,  9.57031250e-02,  1.08398438e-01,  1.24023438e-01,
         1.22070312e-01,  3.71093750e-02, -1.82617188e-01, -4.58984375e-02,
        -8.64257812e-02, -2.81250000e-01, -3.71093750e-01, -1.82617188e-01,
         4.63867188e-02, -1.88476562e-01,  7.47070312e-02, -1.69921875e-01,
         3.06640625e-01, -7.86132812e-02, -1.42578125e-01,  2.08007812e-01,
         1.71875000e-01,  8.59375000e-02, -1.57226562e-01, -2.46582031e-02,
        -1.40625000e-01, -9.47265625e-02,  1.25976562e-01,  1.61132812e-01,
        -2.17773438e-01, -1.49414062e-01, -5.27343750e-02,  1.99317932e-04,
        -2.55859375e-01, -6.34765625e-02, -1.93359375e-01, -8.34960938e-02,
        -1.50390625e-01, -6.54296875e-02,  2.67578125e-01, -2.06054688e-01,
         3.88183594e-02,  3.33984375e-01, -3.17382812e-02,  2.38037109e-02,
        -3.78906250e-01,  7.66601562e-02,  1.68945312e-01, -1.85546875e-01,
         6.39648438e-02,  2.89062500e-01, -9.21630859e-03,  1.09252930e-02,
         8.34960938e-02,  2.20703125e-01,  1.64062500e-01,  1.24511719e-01,
         3.33984375e-01,  8.34960938e-02,  9.42382812e-02,  8.88671875e-02,
         9.37500000e-02,  6.54296875e-02,  1.36718750e-01,  1.58203125e-01,
         1.14257812e-01,  6.88476562e-02, -2.29492188e-01,  9.42382812e-02,
        -1.42578125e-01,  4.78515625e-02, -1.21093750e-01, -1.44531250e-01,
         1.41601562e-01, -1.55273438e-01, -3.65234375e-01,  8.11767578e-03,
         1.66015625e-01,  7.12890625e-02, -1.93359375e-01,  8.39843750e-02,
         4.63867188e-02,  2.63671875e-01, -1.94335938e-01, -1.94335938e-01,
         9.71679688e-02,  1.00708008e-03,  2.40234375e-01,  1.09863281e-01,
        -3.14941406e-02, -1.91406250e-01, -3.20312500e-01, -1.73828125e-01,
         2.42187500e-01, -4.88281250e-02, -9.08203125e-02,  2.43164062e-01,
         1.75781250e-01,  6.17675781e-02, -3.14453125e-01,  6.29882812e-02,
        -7.86132812e-02, -2.98828125e-01,  1.47460938e-01,  2.57568359e-02,
        -1.07421875e-01, -1.57226562e-01,  3.67187500e-01, -1.56402588e-03,
         6.07910156e-02,  1.71875000e-01,  1.23535156e-01, -5.61523438e-02,
        -1.25122070e-02, -2.47070312e-01,  3.32031250e-02, -1.28906250e-01,
         6.59179688e-02, -8.39843750e-02,  2.25585938e-01,  7.61718750e-02,
         3.10546875e-01, -1.23046875e-01,  5.02929688e-02, -1.47460938e-01,
        -2.23632812e-01,  6.88476562e-02, -2.67578125e-01,  6.93359375e-02,
        -3.19824219e-02, -1.25000000e-01,  1.40625000e-01, -3.71093750e-02,
         8.36181641e-03,  1.40625000e-01, -1.59179688e-01, -2.38418579e-05,
         2.67578125e-01,  2.39257812e-01, -3.00292969e-02, -1.67968750e-01,
         1.20605469e-01, -2.47802734e-02, -2.09960938e-01,  3.28125000e-01,
        -1.15234375e-01, -7.91015625e-02, -5.95703125e-02,  2.40234375e-01,
        -2.79296875e-01,  5.29785156e-02, -2.12890625e-01,  2.91015625e-01,
        -6.34765625e-02,  2.57812500e-01, -1.19628906e-01, -2.18750000e-01,
        -1.93359375e-01,  3.28125000e-01, -8.88671875e-02, -3.19824219e-02,
         3.96484375e-01,  1.04492188e-01,  2.41210938e-01, -5.90820312e-02,
        -1.48925781e-02, -9.15527344e-03, -8.49609375e-02, -1.21582031e-01,
         7.61718750e-02,  2.67578125e-01, -2.26562500e-01,  3.41796875e-01,
         1.88476562e-01, -2.17285156e-02,  1.21582031e-01, -1.54418945e-02,
         4.27734375e-01,  1.36718750e-01,  7.66601562e-02,  1.38671875e-0
1],
       dtype=float32),
 'analysis': array([-0.15234375, -0.26953125, -0.1875    ,  0.05688477, -0.
04125977,
         0.0559082 ,  0.02392578, -0.234375  ,  0.21191406, -0.09228516,
        -0.08154297, -0.16601562,  0.15722656,  0.265625  , -0.19042969,
         0.15722656, -0.34570312, -0.00445557, -0.15429688, -0.37695312,
         0.06982422, -0.03662109, -0.33398438,  0.03759766,  0.03808594,
```

```
         0.25976562, -0.20996094,  0.05078125, -0.16015625, -0.06689453,
         0.02893066, -0.10400391, -0.00338745,  0.09326172,  0.05395508,
         0.23046875, -0.35742188, -0.02404785,  0.2578125 ,  0.02819824,
         0.11230469, -0.03149414, -0.15136719,  0.08105469, -0.08398438,
        -0.19335938, -0.09960938, -0.11865234,  0.05883789,  0.21484375,
         0.11181641,  0.01953125, -0.2109375 , -0.10693359, -0.05810547,
         0.09082031, -0.02160645, -0.07373047,  0.06494141, -0.07958984,
        -0.08984375, -0.10058594, -0.12304688,  0.01226807, -0.08105469,
         0.23730469,  0.07324219,  0.27734375,  0.25976562, -0.515625  ,
         0.06396484, -0.09667969,  0.3203125 , -0.16796875,  0.04345703,
        -0.03955078,  0.21289062,  0.00982666, -0.02062988, -0.0201416 ,
         0.08886719,  0.0144043 , -0.05908203,  0.24316406,  0.09326172,
         0.0144043 ,  0.09179688,  0.34570312, -0.03027344, -0.1796875 ,
         0.18554688, -0.12158203, -0.08056641,  0.5       , -0.27734375,
        -0.01184082, -0.13183594,  0.06201172,  0.30078125, -0.06542969,
         0.13769531, -0.09814453, -0.00799561, -0.24707031, -0.12792969,
         0.05639648, -0.07958984, -0.06079102, -0.00946045, -0.05688477,
        -0.02124023,  0.05786133, -0.234375  , -0.02856445,  0.18652344,
         0.18652344, -0.0112915 ,  0.234375  ,  0.45117188,  0.13574219,
        -0.32421875,  0.04199219, -0.29492188, -0.10009766,  0.0625    ,
        -0.12890625, -0.15234375,  0.03637695, -0.05102539,  0.01391602,
        -0.24511719, -0.18457031, -0.19628906,  0.03881836, -0.03344727,
        -0.13964844,  0.13867188, -0.06787109, -0.01916504,  0.05517578,
         0.00750732,  0.04516602, -0.07373047,  0.26757812,  0.03930664,
        -0.10400391,  0.17675781, -0.09472656,  0.140625  ,  0.06640625,
        -0.07324219, -0.18847656, -0.0189209 ,  0.07080078,  0.15917969,
        -0.45507812,  0.00772095,  0.02075195, -0.24121094, -0.08691406,
        -0.12011719,  0.06201172,  0.01635742,  0.07958984,  0.03491211,
         0.0859375 ,  0.4453125 ,  0.06787109, -0.10644531, -0.11230469,
         0.23828125, -0.09619141, -0.14648438,  0.15722656,  0.07177734,
        -0.08544922, -0.13085938, -0.15917969,  0.11083984, -0.00613403,
        -0.26953125,  0.00793457,  0.16992188,  0.0255127 ,  0.04467773,
         0.02087402, -0.14746094,  0.02258301, -0.02209473,  0.29296875,
        -0.13183594, -0.03417969,  0.18945312, -0.10107422, -0.00149536,
        -0.09667969,  0.19238281, -0.29882812,  0.08935547,  0.02526855,
        -0.15039062,  0.09082031, -0.23046875, -0.05029297, -0.04907227,
         0.04125977,  0.08837891,  0.02453613,  0.22949219, -0.20605469,
         0.15820312,  0.06445312, -0.19335938,  0.04663086, -0.27148438,
         0.04223633,  0.23828125,  0.22265625,  0.33398438,  0.0246582 ,
        -0.11962891,  0.0279541 , -0.02697754, -0.32617188, -0.05322266,
        -0.11865234,  0.34960938,  0.05126953, -0.12890625,  0.22265625,
         0.22070312, -0.25390625,  0.02722168, -0.15722656, -0.04052734,
         0.01489258, -0.10253906, -0.01696777,  0.05883789, -0.04882812,
         0.06738281,  0.13574219, -0.21386719,  0.03198242,  0.00958252,
         0.10009766, -0.10644531,  0.14257812, -0.15722656, -0.13378906,
         0.0703125 ,  0.1171875 , -0.12158203, -0.03369141, -0.0030365 ,
        -0.07080078, -0.11767578, -0.05493164, -0.13378906,  0.02026367,
         0.26953125,  0.00946045, -0.02087402, -0.05615234, -0.11279297,
         0.25390625, -0.17480469, -0.02587891, -0.10498047, -0.01074219,
         0.01171875,  0.26757812, -0.0378418 , -0.02746582,  0.06225586,
         0.03881836, -0.05883789, -0.03955078,  0.3984375 , -0.0144043 ,
        -0.10595703,  0.15039062, -0.0168457 ,  0.0480957 , -0.18945312,
        -0.06591797,  0.08447266,  0.21191406,  0.06494141, -0.22070312,
         0.0402832 , -0.11230469,  0.19824219,  0.09912109, -0.07714844,
        -0.15332031,  0.04907227, -0.27929688, -0.07226562, -0.1015625 ],
       dtype=float32),
 'functional': array([-0.14746094, -0.18554688, -0.14941406, -0.00799561, -
0.38085938,
        -0.02575684,  0.26757812, -0.17089844, -0.01062012,  0.01123047,
        -0.10449219, -0.09765625,  0.10302734,  0.12109375,  0.07519531,
         0.01251221,  0.14453125,  0.0017395 , -0.13476562, -0.02770996,
         0.03564453,  0.06347656, -0.21191406,  0.1328125 , -0.0859375 ,
        -0.01513672, -0.24902344, -0.02124023, -0.06640625, -0.29882812,
        -0.0324707 ,  0.00180817,  0.14257812,  0.24511719, -0.21777344,
```

```
        -0.25390625,  0.00160217, -0.18652344, -0.02990723,  0.04321289,
        -0.13378906,  0.11621094,  0.11962891,  0.36328125, -0.15722656,
        -0.07373047, -0.26171875,  0.22070312, -0.1015625 ,  0.203125  ,
         0.06982422, -0.31640625, -0.22265625, -0.12207031,  0.20410156,
         0.07714844,  0.08544922, -0.359375  ,  0.30664062,  0.07763672,
        -0.16699219,  0.05004883, -0.16503906, -0.06884766,  0.01940918,
        -0.04443359, -0.16796875,  0.40429688, -0.08398438, -0.30859375,
         0.22753906, -0.06298828, -0.06591797, -0.09960938, -0.21289062,
        -0.32421875,  0.12109375,  0.02819824, -0.13964844,  0.12988281,
        -0.22265625, -0.17578125,  0.01586914,  0.08154297,  0.06933594,
        -0.05737305,  0.10009766, -0.05810547, -0.06176758,  0.11669922,
        -0.18164062, -0.35351562, -0.0071106 ,  0.13378906,  0.10400391,
         0.03515625, -0.08984375, -0.09716797, -0.02844238,  0.06591797,
        -0.00958252,  0.09619141,  0.1171875 ,  0.12597656,  0.24707031,
        -0.00280762,  0.10644531,  0.12988281,  0.08935547,  0.00079727,
        -0.265625  , -0.21972656, -0.20800781, -0.04370117,  0.13085938,
         0.1484375 , -0.07275391, -0.13378906,  0.18066406, -0.12792969,
        -0.12988281, -0.06030273, -0.05883789, -0.09423828,  0.07910156,
         0.18066406, -0.04663086,  0.3671875 ,  0.18261719,  0.12695312,
        -0.00162506,  0.14257812, -0.13671875, -0.00482178, -0.03930664,
        -0.03735352,  0.07373047,  0.01965332,  0.0246582 , -0.08740234,
         0.09716797, -0.07714844,  0.03393555, -0.02233887, -0.16210938,
         0.12304688, -0.06884766,  0.01672363,  0.06835938, -0.10791016,
        -0.14257812, -0.14257812, -0.15136719,  0.07617188, -0.04101562,
        -0.15917969, -0.25      ,  0.04956055, -0.03088379, -0.24707031,
        -0.07324219, -0.13671875, -0.00457764,  0.203125  ,  0.00141144,
        -0.03295898,  0.02160645,  0.01300049,  0.07421875, -0.08154297,
        -0.24414062, -0.12353516, -0.30859375, -0.09765625,  0.1953125 ,
         0.04394531,  0.09179688, -0.3203125 , -0.1484375 ,  0.02624512,
        -0.04711914, -0.06933594, -0.265625  , -0.12890625, -0.13964844,
         0.08300781,  0.10693359, -0.2421875 ,  0.02600098, -0.13769531,
        -0.17089844, -0.31445312, -0.01507568, -0.08935547, -0.0625    ,
        -0.20214844,  0.18164062, -0.0859375 , -0.02856445, -0.10791016,
        -0.23046875,  0.19921875, -0.20019531, -0.01965332, -0.15039062,
        -0.13183594, -0.10449219, -0.16113281,  0.13183594, -0.24316406,
        -0.16992188, -0.13378906, -0.32421875,  0.14746094, -0.08203125,
        -0.09570312,  0.12890625,  0.07275391, -0.21777344,  0.28515625,
         0.09179688,  0.05786133, -0.1953125 ,  0.00994873,  0.05444336,
         0.02368164, -0.04614258,  0.02441406, -0.18652344,  0.00524902,
         0.07861328,  0.06640625, -0.09912109,  0.07617188, -0.10009766,
        -0.07763672, -0.15527344,  0.16015625,  0.17675781,  0.08154297,
         0.10986328, -0.03857422,  0.00286865, -0.02307129,  0.14550781,
         0.28515625, -0.21289062,  0.00579834,  0.01757812, -0.29882812,
         0.04760742,  0.03662109,  0.15917969,  0.16796875,  0.00564575,
        -0.28125   , -0.20996094,  0.16796875,  0.046875  ,  0.125     ,
         0.09423828, -0.19335938,  0.06640625,  0.08203125,  0.12109375,
         0.01293945, -0.00396729, -0.2109375 , -0.18066406, -0.05444336,
         0.14355469, -0.05224609,  0.0402832 , -0.19042969,  0.01281738,
         0.08642578,  0.08349609, -0.22460938, -0.13378906,  0.19238281,
        -0.11035156,  0.2734375 ,  0.15722656, -0.04125977,  0.08203125,
         0.00080872, -0.08300781, -0.046875  ,  0.09619141,  0.02722168,
        -0.30078125,  0.16503906, -0.01647949,  0.0559082 , -0.0291748 ,
         0.24414062,  0.02514648,  0.00363159,  0.12988281, -0.01782227],
       dtype=float32),
 'assessment': array([-1.52343750e-01, -1.34887695e-02, -1.32446289e-02,
1.79443359e-02,
        -5.51757812e-02,  2.08984375e-01,  8.98437500e-02, -3.78906250e-01,
         4.06250000e-01, -7.95898438e-02,  1.26953125e-01, -7.86132812e-02,
         1.68945312e-01,  1.35742188e-01, -4.10156250e-02,  4.00390625e-01,
        -2.59765625e-01,  1.57470703e-02, -1.06933594e-01, -1.90429688e-01,
        -2.63671875e-02,  1.07421875e-01, -2.42187500e-01,  1.21093750e-01,
        -4.58984375e-02,  5.05371094e-02, -1.12792969e-01,  1.15722656e-01,
        -1.30859375e-01,  1.35742188e-01, -1.04003906e-01, -1.62109375e-01,
        -2.10937500e-01,  8.30078125e-02, -4.90722656e-02, -6.73828125e-02,
```

```
-1.46484375e-01,  1.45507812e-01,  1.68457031e-02, -2.51770020e-03,
-6.64062500e-02, -2.88085938e-02, -1.39648438e-01,  1.10351562e-01,
 9.94873047e-03, -6.83593750e-02,  1.95312500e-02,  7.47070312e-02,
-1.78710938e-01,  3.73046875e-01,  2.55859375e-01,  4.44335938e-02,
-1.05957031e-01,  1.23046875e-01,  4.49218750e-02,  7.86132812e-02,
-1.01562500e-01, -8.49609375e-02, -5.76171875e-02, -2.57873535e-03,
-2.65625000e-01,  1.56250000e-01,  9.94873047e-03, -3.95507812e-02,
-6.29882812e-02,  1.07421875e-01,  1.07910156e-01,  1.71875000e-01,
 8.93554688e-02, -4.37500000e-01, -1.57470703e-02, -5.10253906e-02,
 3.22265625e-01,  1.89208984e-02, -1.09375000e-01, -1.72851562e-01,
 4.17968750e-01,  5.00488281e-02, -3.24707031e-02,  3.71093750e-01,
 1.87500000e-01, -8.44726562e-02, -2.89062500e-01,  1.86523438e-01,
 1.52343750e-01, -1.27563477e-02, -1.80664062e-02,  2.32421875e-01,
 1.38671875e-01, -3.88671875e-01,  1.55273438e-01, -2.39257812e-01,
 2.22778320e-03,  2.09960938e-01, -1.25000000e-01, -4.79125977e-03,
-2.57812500e-01, -2.61230469e-02,  2.87109375e-01, -2.51953125e-01,
 1.29882812e-01, -1.57226562e-01, -9.13085938e-02,  7.71484375e-02,
-9.47265625e-02,  1.22070312e-01, -7.17773438e-02, -3.85742188e-02,
 2.38037109e-03, -1.53320312e-01,  1.09252930e-02,  3.12805176e-03,
-2.89062500e-01,  3.80859375e-02, -1.60156250e-01,  2.19726562e-01,
 1.07910156e-01,  3.78906250e-01,  3.41796875e-01,  4.73632812e-02,
-2.98828125e-01,  2.31445312e-01, -2.10937500e-01,  6.20117188e-02,
-1.29882812e-01,  5.59082031e-02, -1.47460938e-01, -1.20117188e-01,
-6.29882812e-02,  1.07910156e-01, -9.03320312e-02, -9.08203125e-02,
-2.10937500e-01, -2.17773438e-01, -2.35351562e-01, -1.07910156e-01,
 1.92871094e-02,  1.05957031e-01, -8.30078125e-02,  7.95898438e-02,
-4.37011719e-02,  3.41796875e-01, -1.25976562e-01,  9.61914062e-02,
 1.53320312e-01, -1.68945312e-01,  1.45507812e-01,  1.90429688e-02,
-2.15820312e-01,  1.08886719e-01, -1.97265625e-01, -7.32421875e-02,
-3.95507812e-02,  1.25000000e-01,  1.61132812e-01, -2.73437500e-01,
 5.98144531e-02,  7.32421875e-02, -1.96289062e-01,  1.83593750e-01,
 1.25000000e-01,  1.95312500e-01,  8.59375000e-02, -9.91210938e-02,
-1.29882812e-01, -7.22656250e-02,  5.82031250e-01, -1.67968750e-01,
 6.34765625e-02, -8.64257812e-02,  3.18359375e-01, -2.22167969e-02,
-9.47265625e-02, -4.41894531e-02,  1.17675781e-01,  4.68750000e-02,
 1.64794922e-03,  2.84423828e-02, -1.34765625e-01,  6.44531250e-02,
-1.88476562e-01, -1.05857849e-04,  2.53906250e-01,  1.62109375e-01,
 2.00195312e-02, -3.32031250e-02, -1.04003906e-01,  3.06396484e-02,
-1.54418945e-02,  2.34375000e-01, -3.78906250e-01, -1.13281250e-01,
 3.80859375e-02, -3.93676758e-03,  4.24804688e-02, -3.49609375e-01,
 1.92382812e-01, -4.05273438e-02,  9.37500000e-02,  1.13769531e-01,
 5.32226562e-02,  1.24023438e-01, -3.61328125e-02, -3.47656250e-01,
-8.59375000e-02,  1.09375000e-01,  3.63769531e-02,  1.30615234e-02,
 3.20312500e-01, -6.34765625e-02,  5.34667969e-02, -1.58691406e-02,
-6.93359375e-02,  8.74023438e-02, -3.08593750e-01,  3.51562500e-02,
-1.80664062e-02,  3.14453125e-01,  1.13769531e-01, -8.44726562e-02,
 1.31835938e-01,  2.26562500e-01,  1.96533203e-02, -3.14453125e-01,
 1.43554688e-01, -1.20117188e-01,  2.45117188e-01,  2.12097168e-03,
-8.00781250e-02,  1.27929688e-01, -4.02832031e-02, -8.25195312e-02,
 1.16577148e-02, -3.04687500e-01,  2.11914062e-01,  6.00585938e-02,
 2.20947266e-02, -7.76367188e-02,  3.26171875e-01,  4.22363281e-02,
-9.81445312e-02,  2.61718750e-01, -7.76367188e-02, -9.22851562e-02,
-2.63671875e-01, -5.22460938e-02,  4.19921875e-02, -5.66406250e-02,
-6.29882812e-02,  6.00585938e-02, -9.03320312e-02,  6.29882812e-02,
-2.03125000e-01,  9.66796875e-02, -3.29589844e-02, -5.98144531e-02,
-2.30468750e-01,  2.65625000e-01,  5.95703125e-02,  1.53320312e-01,
-7.32421875e-02,  1.75781250e-01, -2.15820312e-01,  5.51757812e-02,
 6.07910156e-02, -6.68945312e-02, -1.92382812e-01, -4.33349609e-03,
-2.79296875e-01,  1.04980469e-01,  1.34887695e-02,  9.13085938e-02,
 1.44531250e-01,  1.50146484e-02, -3.19824219e-02,  8.20312500e-02,
 1.11328125e-01, -1.68945312e-01,  7.61718750e-02,  6.10351562e-02,
 1.88476562e-01,  4.27246094e-02,  1.94335938e-01,  9.09423828e-03,
-1.51367188e-01, -6.03027344e-02, -5.73730469e-03,  1.40625000e-01,
 1.93359375e-01,  3.17382812e-03, -1.21093750e-01,  1.07421875e-01,
```

```
         1.74804688e-01,  2.45361328e-02, -4.97436523e-03,  7.22656250e-02,
        -1.48437500e-01, -1.56250000e-01, -8.05664062e-02, -1.53320312e-0
1],
       dtype=float32),
 'acquisition': array([-0.11035156,  0.27148438, -0.2265625 ,  0.0703125 ,
-0.00637817,
        -0.15136719,  0.11816406, -0.09228516,  0.30078125,  0.14746094,
        -0.08984375,  0.02844238, -0.07861328, -0.00408936, -0.25585938,
        -0.09521484, -0.05566406,  0.10253906, -0.08447266,  0.1796875 ,
        -0.02954102,  0.18164062,  0.015625  , -0.08886719, -0.03637695,
         0.10058594, -0.06542969, -0.26171875, -0.15917969,  0.17382812,
         0.35351562, -0.14550781, -0.01403809, -0.04394531,  0.03588867,
         0.05224609,  0.00656128, -0.20898438,  0.25390625, -0.05761719,
         0.01647949,  0.06347656,  0.18261719,  0.07910156, -0.18652344,
        -0.34960938,  0.14941406, -0.14746094,  0.05419922,  0.13964844,
         0.30664062, -0.25      , -0.17089844, -0.19238281, -0.00182343,
         0.1328125 , -0.0019455 ,  0.05517578,  0.33007812, -0.0078125 ,
        -0.11425781,  0.0859375 , -0.14746094, -0.04223633, -0.06347656,
         0.20898438, -0.07519531, -0.1953125 , -0.24023438,  0.10351562,
        -0.00241089, -0.2421875 , -0.11816406, -0.01940918,  0.08935547,
         0.08544922,  0.05078125, -0.00689697, -0.07617188,  0.18261719,
         0.10595703, -0.09326172,  0.15625   ,  0.2109375 ,  0.140625  ,
         0.02941895, -0.11669922,  0.2734375 ,  0.29296875, -0.05200195,
         0.22753906,  0.00193024,  0.04272461,  0.19335938,  0.02478027,
        -0.10986328, -0.10546875, -0.012146  ,  0.10546875,  0.08300781,
         0.22558594, -0.05981445, -0.11914062,  0.08837891,  0.15722656,
         0.00634766, -0.05639648,  0.23632812, -0.16210938, -0.06298828,
         0.0067749 ,  0.37890625, -0.17089844, -0.20117188,  0.359375  ,
         0.14355469,  0.109375  ,  0.30273438,  0.24804688, -0.26171875,
         0.14355469,  0.17675781, -0.21679688, -0.0189209 , -0.20507812,
        -0.14648438, -0.25390625,  0.10400391,  0.21972656,  0.12353516,
         0.05200195,  0.32421875, -0.07568359,  0.0088501 , -0.09667969,
         0.35546875,  0.2109375 ,  0.140625  , -0.109375  ,  0.28320312,
         0.4453125 , -0.19238281, -0.15039062,  0.13769531,  0.11035156,
        -0.16796875,  0.13378906,  0.1484375 , -0.12890625, -0.00331116,
        -0.00799561, -0.02941895, -0.04370117,  0.02587891, -0.11865234,
        -0.04418945, -0.10888672, -0.13769531,  0.10449219,  0.2265625 ,
         0.11279297, -0.05517578,  0.02636719,  0.03173828, -0.09814453,
        -0.09619141,  0.13867188, -0.17382812, -0.12207031,  0.15820312,
         0.04614258, -0.25976562,  0.49023438, -0.22753906, -0.08007812,
         0.02404785,  0.00099182, -0.05639648,  0.20019531, -0.35351562,
        -0.34570312,  0.1328125 ,  0.05712891, -0.19335938,  0.07568359,
        -0.1484375 ,  0.23046875,  0.3046875 ,  0.25976562,  0.11962891,
        -0.5390625 , -0.19824219, -0.02331543,  0.02258301,  0.06640625,
         0.03393555, -0.06494141,  0.11962891,  0.20800781, -0.15722656,
         0.09082031,  0.18164062,  0.12304688,  0.04614258, -0.30078125,
         0.00515747,  0.32226562,  0.13671875,  0.51953125,  0.00201416,
         0.04223633, -0.171875  , -0.07617188,  0.22363281, -0.01190186,
         0.2578125 ,  0.16503906, -0.25390625,  0.01293945, -0.05566406,
         0.13378906,  0.23242188, -0.04516602,  0.07714844, -0.20507812,
        -0.14257812, -0.14355469, -0.20605469,  0.03637695,  0.00933838,
         0.28515625,  0.31640625, -0.04394531, -0.03125   ,  0.20410156,
         0.23242188, -0.05737305, -0.125     ,  0.03637695,  0.10986328,
        -0.1171875 , -0.140625  , -0.10644531, -0.12890625,  0.1484375 ,
        -0.08496094, -0.04736328, -0.01660156, -0.0456543 , -0.15625   ,
         0.02160645, -0.16308594, -0.11376953,  0.09912109,  0.2890625 ,
         0.05957031,  0.12353516, -0.11669922, -0.40625   ,  0.01904297,
         0.234375  , -0.18847656,  0.00854492,  0.05053711, -0.32226562,
        -0.12890625, -0.14355469, -0.16113281, -0.31640625,  0.38476562,
         0.08447266,  0.01544189, -0.07861328, -0.33984375, -0.22558594,
         0.24316406,  0.07666016,  0.08203125, -0.29296875,  0.09472656,
        -0.01025391,  0.07275391, -0.14941406,  0.12207031, -0.18945312,
         0.15527344,  0.24609375,  0.23925781, -0.04321289, -0.16992188,
         0.15917969,  0.16992188, -0.33984375,  0.23730469,  0.12597656,
```

```
         0.17871094,  0.41015625, -0.34570312, -0.109375  , -0.24902344],
       dtype=float32),
 'reduction': array([-1.50390625e-01, -9.27734375e-02,  3.06396484e-02,  2.
09960938e-01,
        -7.08007812e-02, -8.49609375e-02, -1.15234375e-01, -2.50000000e-01,
         3.14453125e-01,  2.79296875e-01, -1.85546875e-01, -1.17187500e-01,
         1.80664062e-02,  1.02539062e-01, -6.05468750e-02, -1.25976562e-01,
        -2.12890625e-01, -1.22070312e-01, -2.14843750e-01,  1.34765625e-01,
        -1.97265625e-01,  1.24511719e-01,  2.51464844e-02, -1.85546875e-01,
        -2.46093750e-01,  1.75781250e-01, -1.66015625e-01, -3.52478027e-03,
        -1.84570312e-01,  7.95898438e-02, -1.73828125e-01, -3.65234375e-01,
        -2.66113281e-02, -1.51367188e-01, -6.07910156e-02, -2.35351562e-01,
         2.31933594e-02,  3.73535156e-02,  1.94335938e-01,  4.54101562e-02,
         4.54101562e-02,  1.54296875e-01,  6.10351562e-02,  1.42578125e-01,
        -3.30078125e-01, -2.71484375e-01,  4.85839844e-02,  8.72802734e-03,
        -8.69140625e-02, -3.04687500e-01,  1.03515625e-01, -1.20605469e-01,
        -1.30859375e-01, -1.62109375e-01,  2.27539062e-01, -2.59765625e-01,
        -4.70703125e-01, -1.15234375e-01, -8.44726562e-02,  5.49316406e-02,
        -1.96289062e-01,  1.83593750e-01, -3.35937500e-01, -1.03515625e-01,
         2.15820312e-01,  8.20312500e-02,  2.01416016e-02,  3.10546875e-01,
        -2.20703125e-01, -1.88476562e-01,  6.39648438e-02, -6.03027344e-02,
        -7.22656250e-02,  3.90625000e-01, -1.76757812e-01, -2.36328125e-01,
         1.50390625e-01,  2.15820312e-01, -3.32031250e-01,  4.34875488e-04,
         5.68847656e-02, -2.67578125e-01, -2.97851562e-02,  8.15429688e-02,
         2.32421875e-01, -4.49218750e-02, -7.42187500e-02,  3.20312500e-01,
         2.47070312e-01, -1.96289062e-01,  3.69140625e-01, -1.70898438e-01,
         1.25976562e-01,  1.42578125e-01, -1.03027344e-01, -2.19726562e-01,
        -1.78222656e-02,  2.96875000e-01,  3.12500000e-02,  9.66796875e-02,
        -6.98242188e-02, -5.68847656e-02, -1.61132812e-01, -6.03027344e-02,
         2.81250000e-01, -1.24511719e-01,  1.17187500e-01, -1.70898438e-01,
         2.24609375e-01, -4.16015625e-01,  5.32226562e-02, -1.83593750e-01,
        -2.21679688e-01,  3.30078125e-01,  2.41210938e-01,  9.37500000e-02,
        -4.42504883e-03, -2.12890625e-01,  3.61328125e-02,  2.31445312e-01,
         1.79687500e-01,  1.53320312e-01, -9.03320312e-02, -7.66601562e-02,
         1.09375000e-01,  2.83203125e-01, -1.24511719e-01, -1.07421875e-01,
         4.49218750e-02,  1.34765625e-01,  1.47460938e-01,  1.40625000e-01,
        -1.25976562e-01, -1.61132812e-01,  8.78906250e-03, -1.29394531e-02,
         4.37011719e-02, -4.51660156e-02, -3.58886719e-02,  3.28125000e-01,
         1.11816406e-01, -2.83203125e-01, -1.02539062e-01,  1.32812500e-01,
         2.07031250e-01,  7.47070312e-02, -1.49414062e-01, -1.25976562e-01,
        -8.44726562e-02, -8.78906250e-02,  2.77343750e-01,  2.81982422e-02,
         6.93359375e-02,  2.09960938e-01,  1.19140625e-01, -3.55468750e-01,
         8.05664062e-02,  6.88476562e-02,  4.41894531e-02,  1.10351562e-01,
         1.13769531e-01,  1.05468750e-01, -5.12695312e-02,  1.84326172e-02,
        -1.21093750e-01,  1.82617188e-01,  2.96630859e-02,  4.39453125e-02,
         1.22558594e-01, -1.40625000e-01,  2.30712891e-02, -2.47070312e-01,
        -2.84423828e-02,  6.64062500e-02, -2.05078125e-01,  4.51660156e-02,
         4.15039062e-02, -1.07421875e-01, -1.37695312e-01,  1.53808594e-02,
        -3.02734375e-01,  4.41894531e-02,  3.33984375e-01,  3.12500000e-02,
         1.05468750e-01,  4.22363281e-02, -1.69677734e-02,  1.39648438e-01,
         1.37695312e-01,  7.95898438e-02, -1.98242188e-01, -1.85546875e-01,
        -1.25000000e-01, -6.29882812e-02,  5.05371094e-02, -6.22558594e-02,
         1.92382812e-01, -6.17675781e-02,  1.56250000e-01, -2.24609375e-01,
        -2.68554688e-02, -8.10546875e-02,  1.80664062e-01, -6.20117188e-02,
         7.51953125e-02,  1.10473633e-02, -2.67578125e-01,  3.05175781e-02,
         6.15234375e-02,  7.08007812e-02,  1.92871094e-02, -3.18359375e-01,
        -1.67236328e-02,  3.14453125e-01, -6.29882812e-02, -9.46044922e-03,
         2.53906250e-02, -2.42187500e-01,  4.37011719e-02,  5.27343750e-02,
        -2.12890625e-01, -1.48315430e-02,  1.51367188e-01, -7.47070312e-02,
        -8.34960938e-02, -1.61132812e-01,  2.53906250e-01, -1.01562500e-01,
         1.52343750e-01,  7.12890625e-02, -6.88476562e-02, -1.77001953e-02,
         1.16210938e-01, -1.53320312e-01, -4.05273438e-02, -6.88476562e-02,
        -1.62109375e-01,  1.21093750e-01,  6.34765625e-02, -9.66796875e-02,
        -3.63769531e-02,  5.54199219e-02,  2.41699219e-02, -7.03125000e-02,
```

```
        -9.96093750e-02, -6.64062500e-02, -1.91406250e-01,  1.32812500e-01,
        -1.62109375e-01, -4.32128906e-02, -8.30078125e-02, -1.34765625e-01,
        -3.57421875e-01, -2.00195312e-01, -8.74023438e-02, -5.95703125e-02,
         1.63085938e-01, -2.29492188e-01,  1.14257812e-01,  3.17382812e-02,
         3.04687500e-01, -1.86523438e-01, -2.16796875e-01, -6.54296875e-02,
        -7.41577148e-03, -1.11328125e-01, -6.88476562e-02,  4.78515625e-02,
        -2.55859375e-01, -2.41210938e-01,  8.83789062e-02,  5.39550781e-02,
        -1.47094727e-02, -3.43750000e-01,  5.20019531e-02, -9.91210938e-02,
        -1.65039062e-01,  6.49414062e-02,  4.34570312e-02,  2.16064453e-02,
         4.73632812e-02,  1.38671875e-01,  2.42187500e-01, -2.36328125e-01,
        -1.21093750e-01, -1.25976562e-01, -1.10626221e-03, -5.83496094e-02,
        -1.04980469e-01, -2.18750000e-01, -2.87109375e-01, -1.38671875e-01,
         1.42578125e-01, -4.37011719e-02, -2.73437500e-01,  4.61425781e-02,
        -1.34765625e-01, -6.22558594e-02, -1.22070312e-02, -4.32128906e-0
2],
       dtype=float32),
 'procedure': array([-1.32446289e-02,  3.47656250e-01,  1.80664062e-01, -1.
56250000e-01,
        -1.88476562e-01,  2.47802734e-02,  1.97265625e-01, -1.22070312e-01,
        -1.05468750e-01, -2.53906250e-01, -1.60156250e-01, -2.14843750e-01,
         2.22656250e-01, -3.29589844e-02, -7.81250000e-02,  3.88671875e-01,
         2.03125000e-01,  3.90625000e-02, -3.92578125e-01, -1.20117188e-01,
         3.65234375e-01,  3.51562500e-02, -3.51562500e-02,  1.50390625e-01,
        -2.02148438e-01, -6.80541992e-03, -4.96093750e-01, -1.42578125e-01,
        -1.24023438e-01,  2.99072266e-02, -2.26562500e-01, -3.63281250e-01,
         2.53906250e-01, -1.30859375e-01,  2.18200684e-03, -3.36914062e-02,
         1.52343750e-01, -1.12304688e-01,  2.44140625e-01, -1.47460938e-01,
         1.52343750e-01, -7.56835938e-02, -1.44653320e-02,  1.19628906e-01,
         5.18798828e-03, -8.30078125e-02, -1.45507812e-01,  1.16699219e-01,
        -2.37304688e-01,  8.59375000e-02, -7.66601562e-02, -1.91406250e-01,
        -3.51562500e-02, -1.46484375e-01,  7.22656250e-02,  4.76837158e-04,
         6.54296875e-02,  1.66015625e-01, -5.05371094e-02, -9.37500000e-02,
        -2.05078125e-01, -1.65039062e-01, -1.81884766e-02,  2.95410156e-02,
         2.29492188e-01,  1.57226562e-01, -1.25976562e-01,  2.04101562e-01,
         9.22851562e-02, -2.91015625e-01,  8.59375000e-02,  6.78710938e-02,
         2.05078125e-01, -9.57031250e-02, -6.34765625e-02, -3.45703125e-01,
         7.76367188e-02, -1.63085938e-01,  2.71484375e-01,  1.45507812e-01,
        -1.11328125e-01, -1.27929688e-01, -1.68457031e-02,  9.13085938e-02,
         7.12890625e-02, -2.26562500e-01,  9.70458984e-03,  3.59375000e-01,
         3.26171875e-01,  2.75878906e-02,  3.46679688e-02,  1.33789062e-01,
         2.91015625e-01,  3.80859375e-01,  1.09863281e-01,  9.81445312e-02,
        -1.90429688e-01, -2.28271484e-02,  2.79296875e-01,  6.44531250e-02,
         1.61132812e-01, -1.30859375e-01, -1.76757812e-01, -3.95507812e-02,
         3.88183594e-02,  1.93359375e-01, -1.77001953e-02, -1.91406250e-01,
         9.27734375e-02, -1.95312500e-02,  4.64843750e-01,  6.68945312e-02,
         9.37500000e-02,  1.51367188e-01, -6.73828125e-02,  5.95703125e-02,
         7.27539062e-02, -3.93066406e-02,  2.30712891e-02,  1.48437500e-01,
        -1.10839844e-01, -8.39843750e-02,  1.40625000e-01,  1.54418945e-02,
         2.00195312e-01,  1.63574219e-02, -7.86132812e-02, -9.52148438e-02,
         2.37304688e-01,  1.40625000e-01,  1.26953125e-01, -2.38281250e-01,
        -1.67968750e-01, -1.85546875e-01,  3.75976562e-02, -1.68945312e-01,
        -3.34472656e-02,  5.81054688e-02, -5.68847656e-02, -4.22363281e-02,
         2.29492188e-01, -1.18164062e-01, -7.12890625e-02,  1.21582031e-01,
         3.10058594e-02, -3.07617188e-02, -2.39257812e-01, -3.58886719e-02,
        -2.59765625e-01, -1.27929688e-01,  2.42187500e-01, -9.64355469e-03,
         6.06536865e-04,  1.30859375e-01,  2.67578125e-01, -1.18164062e-01,
        -4.02343750e-01,  2.63671875e-01,  1.14746094e-01, -8.88671875e-02,
        -1.36718750e-01,  4.43359375e-01,  3.04687500e-01,  3.68652344e-02,
        -6.44531250e-02, -2.35351562e-01,  4.46777344e-02, -9.66796875e-02,
         1.31835938e-01, -2.81250000e-01,  7.12890625e-02, -7.95898438e-02,
        -2.83203125e-01,  1.36718750e-01,  1.06811523e-03, -2.32421875e-01,
         4.12109375e-01,  1.94335938e-01, -1.89971924e-03, -1.63085938e-01,
        -1.13769531e-01, -9.47265625e-02,  7.47070312e-02, -3.97949219e-02,
         5.44433594e-02,  1.47460938e-01,  1.21582031e-01, -4.05273438e-02,
```

```
         2.18750000e-01,  1.03027344e-01, -1.44531250e-01,  7.95898438e-02,
         1.03515625e-01,  2.91015625e-01,  1.35742188e-01, -1.63085938e-01,
        -3.04687500e-01,  1.06201172e-02, -8.74023438e-02,  3.24707031e-02,
         9.57031250e-02,  2.36328125e-01, -2.39562988e-03,  2.50000000e-01,
         1.90429688e-01, -1.83593750e-01,  2.18750000e-01, -2.07031250e-01,
         3.63281250e-01, -1.45507812e-01,  5.88989258e-03,  1.29882812e-01,
        -2.23388672e-02, -2.78320312e-02, -1.15722656e-01,  1.22070312e-01,
         1.46484375e-01,  2.27539062e-01, -2.01416016e-02, -1.89208984e-02,
        -1.19018555e-02, -9.71679688e-02,  1.38671875e-01, -3.27148438e-02,
         1.16699219e-01, -1.40625000e-01, -1.16699219e-01,  1.26953125e-02,
         4.10156250e-02,  1.76757812e-01,  2.20703125e-01, -1.72851562e-01,
         5.66406250e-02, -7.66601562e-02,  1.74560547e-02,  6.68334961e-03,
         1.10351562e-01, -5.85937500e-03,  1.20605469e-01, -4.41894531e-02,
         2.27050781e-02, -2.47070312e-01, -6.54296875e-02, -2.81250000e-01,
         1.02050781e-01, -3.75366211e-03,  1.14257812e-01,  1.24511719e-01,
         1.87500000e-01,  2.67333984e-02, -3.17382812e-02, -2.10937500e-01,
        -1.36718750e-02, -2.39257812e-01,  2.98828125e-01,  2.61718750e-01,
         6.44531250e-02,  3.75000000e-01,  1.83593750e-01, -1.34765625e-01,
         2.89062500e-01, -4.56542969e-02, -2.81982422e-02,  3.17382812e-02,
        -1.77001953e-02,  1.26953125e-01,  1.59179688e-01, -1.66992188e-01,
        -4.29687500e-01, -2.19726562e-01,  1.95312500e-01,  1.95312500e-01,
        -1.53320312e-01,  2.79296875e-01, -1.29882812e-01, -4.64843750e-01,
        -8.36181641e-03,  1.73828125e-01,  1.68945312e-01,  1.69677734e-02,
         2.50000000e-01,  1.66992188e-01, -4.76074219e-03, -7.35473633e-03,
         2.17773438e-01, -4.05273438e-02,  6.83593750e-02, -2.43164062e-01,
        -3.28125000e-01,  1.79687500e-01, -3.34472656e-02, -1.82617188e-01,
        -5.61523438e-02,  1.26953125e-01, -8.66699219e-03,  3.02734375e-01,
         1.57226562e-01,  4.76074219e-02, -5.71289062e-02,  9.91210938e-0
2],
       dtype=float32),
 'adaptive': array([ 0.14355469,  0.09667969, -0.06982422,  0.18945312, -0.
13378906,
        -0.0088501 ,  0.11572266, -0.01757812, -0.17578125, -0.03344727,
         0.11279297, -0.06787109, -0.04882812, -0.09570312,  0.14648438,
        -0.18652344, -0.28515625,  0.18164062,  0.15722656,  0.01672363,
        -0.18945312,  0.3203125 , -0.23535156,  0.33007812, -0.11572266,
        -0.03417969, -0.13769531,  0.3828125 , -0.03417969, -0.32226562,
         0.11572266,  0.17675781, -0.046875  ,  0.25390625,  0.07763672,
        -0.2734375 ,  0.08203125, -0.30078125,  0.0045166 , -0.36328125,
         0.14453125,  0.22753906,  0.07177734,  0.07666016,  0.02648926,
        -0.15332031, -0.14160156, -0.328125  ,  0.01226807,  0.09960938,
        -0.21679688, -0.01171875, -0.53515625, -0.21582031,  0.24804688,
         0.14648438, -0.1328125 , -0.49023438,  0.21777344,  0.22070312,
        -0.14550781, -0.05517578, -0.18066406, -0.21289062,  0.00361633,
        -0.16113281,  0.22363281,  0.23828125, -0.11865234,  0.06079102,
         0.09130859, -0.06494141,  0.13378906, -0.05664062,  0.06079102,
        -0.45507812,  0.28125   , -0.17480469,  0.01055908, -0.0859375 ,
         0.19726562,  0.12109375,  0.05786133,  0.09912109,  0.06005859,
        -0.24511719, -0.1796875 ,  0.06347656, -0.20605469, -0.02722168,
         0.10839844,  0.03662109, -0.21386719,  0.26953125,  0.20117188,
         0.00233459, -0.00515747, -0.34375   ,  0.19140625, -0.1640625 ,
         0.04663086, -0.00077438, -0.17675781,  0.03637695, -0.16699219,
         0.12988281,  0.03417969, -0.05737305,  0.04101562,  0.0267334 ,
        -0.34765625, -0.09863281, -0.16992188,  0.12451172,  0.05151367,
         0.22363281,  0.24023438, -0.14648438,  0.18554688, -0.2890625 ,
        -0.12011719, -0.04443359,  0.02478027, -0.02075195,  0.01306152,
         0.15527344,  0.03088379,  0.3359375 ,  0.07226562,  0.34765625,
         0.13574219, -0.07763672, -0.09228516,  0.04614258, -0.06494141,
        -0.18261719,  0.45898438, -0.06005859, -0.19726562,  0.29882812,
         0.31054688,  0.06787109, -0.10058594,  0.19433594, -0.06689453,
        -0.19921875, -0.13964844, -0.00531006,  0.19726562, -0.34375   ,
         0.02001953, -0.05688477, -0.05615234, -0.09619141, -0.02844238,
        -0.45898438,  0.11767578,  0.16210938,  0.00053787,  0.0090332 ,
         0.1328125 ,  0.04321289,  0.109375  , -0.30078125, -0.16894531,
```

```
         0.01177979, -0.03198242,  0.02001953,  0.13574219,  0.12402344,
         0.02685547, -0.12060547, -0.296875  , -0.11230469,  0.2421875 ,
         0.17675781,  0.12597656, -0.13964844, -0.07666016,  0.19335938,
        -0.23339844,  0.02709961,  0.03369141, -0.15722656, -0.03881836,
         0.01397705, -0.14257812, -0.30273438, -0.0559082 , -0.15039062,
        -0.13085938, -0.0612793 , -0.14550781, -0.16894531, -0.13183594,
        -0.1328125 ,  0.01116943, -0.29296875, -0.20410156,  0.04785156,
         0.09082031,  0.02563477,  0.10058594, -0.03588867, -0.24414062,
        -0.06201172,  0.00159454,  0.00506592, -0.1171875 , -0.12890625,
        -0.02697754, -0.03710938, -0.22753906,  0.14941406,  0.0456543 ,
        -0.08154297,  0.26171875,  0.04858398, -0.3984375 ,  0.03979492,
        -0.09033203, -0.02587891, -0.03076172, -0.18164062, -0.171875  ,
         0.01855469,  0.07275391,  0.02661133, -0.28320312,  0.25195312,
        -0.05541992,  0.234375  ,  0.18066406, -0.1484375 , -0.23242188,
         0.10693359, -0.21289062, -0.01544189,  0.13378906, -0.02600098,
         0.1484375 , -0.13964844, -0.24511719, -0.09472656, -0.20507812,
        -0.04907227, -0.33007812,  0.13964844,  0.02478027, -0.45703125,
         0.2890625 , -0.12353516, -0.265625  ,  0.26757812, -0.08349609,
        -0.15234375,  0.12597656, -0.1171875 , -0.19824219,  0.18945312,
        -0.09130859,  0.00866699, -0.02307129,  0.05151367,  0.25390625,
        -0.00334167,  0.10791016, -0.09912109, -0.35351562,  0.04150391,
        -0.1328125 ,  0.31640625, -0.11523438, -0.02392578,  0.26757812,
        -0.24804688, -0.09667969,  0.07568359,  0.17089844,  0.10205078,
         0.17285156,  0.13574219,  0.12988281, -0.27148438,  0.01409912,
         0.06542969,  0.20507812, -0.14941406,  0.38476562,  0.13085938,
        -0.21875   ,  0.10351562, -0.00811768,  0.00358582, -0.10253906,
        -0.09912109, -0.00927734,  0.13867188,  0.015625  ,  0.16992188],
       dtype=float32),
 'life': array([-6.78710938e-02,  9.52148438e-02,  3.56445312e-02,  1.71875
000e-01,
         2.03125000e-01,  4.49218750e-02,  1.25000000e-01, -6.44531250e-02,
         1.76757812e-01,  6.20117188e-02,  8.83789062e-02, -1.73828125e-01,
        -2.83203125e-01,  8.83789062e-02, -1.00585938e-01,  1.40625000e-01,
         1.75781250e-01,  2.03125000e-01,  4.90722656e-02, -3.39355469e-02,
        -1.32812500e-01, -1.72851562e-01, -8.98437500e-02,  1.13769531e-01,
        -9.37500000e-02, -1.10839844e-01, -1.02539062e-01,  1.02539062e-01,
         1.36718750e-01,  5.76171875e-02,  7.93457031e-03, -1.17187500e-01,
        -8.05664062e-02,  1.17187500e-01, -5.73730469e-02,  1.16210938e-01,
         1.17675781e-01, -1.15234375e-01, -1.63574219e-02, -1.77001953e-02,
         4.54101562e-02,  2.36328125e-01, -6.49414062e-02, -2.60009766e-02,
         3.44238281e-02, -5.85937500e-02,  1.47460938e-01,  2.69531250e-01,
         4.80957031e-02, -1.39648438e-01, -2.11181641e-02, -4.29687500e-02,
         3.97949219e-02, -6.29882812e-02,  7.12890625e-02, -5.37109375e-02,
        -1.12792969e-01,  6.59179688e-03, -1.07421875e-01, -4.17480469e-02,
         1.07421875e-01,  1.65039062e-01,  1.81640625e-01,  6.05468750e-02,
         2.14843750e-02,  2.91015625e-01,  1.29882812e-01,  1.53320312e-01,
         3.85742188e-02,  5.34667969e-02,  6.25000000e-02,  5.98144531e-02,
        -3.88183594e-02,  5.95703125e-02, -2.05078125e-01, -2.53906250e-01,
        -1.50390625e-01, -1.00708008e-02,  5.22613525e-04,  1.38671875e-01,
         1.60156250e-01,  3.01361084e-04,  1.59179688e-01, -1.31835938e-01,
        -6.16455078e-03,  6.34765625e-02, -2.83203125e-01,  1.57226562e-01,
         9.61914062e-02,  2.35595703e-02,  1.44531250e-01, -1.47460938e-01,
         5.66406250e-02, -2.34375000e-01, -2.89062500e-01,  9.64355469e-03,
         5.07812500e-02, -4.78515625e-02,  2.11914062e-01, -1.24511719e-01,
        -1.56250000e-01,  2.24609375e-01,  8.25195312e-02, -8.25195312e-02,
        -1.41601562e-01,  6.04248047e-03,  5.12695312e-03,  6.73828125e-02,
        -9.09423828e-03,  8.91113281e-03, -1.21093750e-01, -8.30078125e-02,
         1.46484375e-01,  7.37304688e-02,  1.69921875e-01, -1.36718750e-01,
         1.41601562e-02,  7.17773438e-02,  5.61523438e-02,  2.71484375e-01,
        -2.03125000e-01, -8.69140625e-02, -1.39648438e-01,  3.63769531e-02,
         1.48437500e-01, -1.60156250e-01, -3.34472656e-02,  4.68750000e-02,
        -1.92382812e-01, -8.23974609e-03, -2.25830078e-02, -1.50390625e-01,
        -3.41796875e-01, -1.84326172e-02,  1.58203125e-01, -1.11328125e-01,
         1.45507812e-01, -6.68945312e-02, -1.22558594e-01, -2.02636719e-02,
```

```
         6.65283203e-03, -1.25976562e-01, -1.51367188e-01,  2.34375000e-02,
        -3.54003906e-02, -4.34570312e-02,  6.34765625e-02,  1.32812500e-01,
        -1.06445312e-01, -8.15429688e-02,  2.19726562e-02, -1.33789062e-01,
        -7.04956055e-03,  1.44531250e-01, -1.54296875e-01, -9.42382812e-02,
        -5.76171875e-02, -2.03125000e-01, -6.20117188e-02, -2.02148438e-01,
         4.00390625e-02,  3.26171875e-01,  5.68847656e-02,  1.96289062e-01,
        -9.88769531e-03, -1.31835938e-01, -7.11059570e-03,  2.50244141e-03,
         1.02539062e-01, -1.52587891e-03,  9.03320312e-02, -7.61718750e-02,
        -7.32421875e-04, -2.73437500e-01,  6.64062500e-02,  1.63085938e-01,
         3.96728516e-03,  1.51367188e-01, -4.07714844e-02, -8.10546875e-02,
        -2.77343750e-01, -1.02539062e-01,  1.15722656e-01, -1.96533203e-02,
        -1.60156250e-01, -1.38671875e-01, -7.66601562e-02,  1.10839844e-01,
         8.98437500e-02, -7.12890625e-02,  1.24511719e-01,  8.00781250e-02,
        -1.33789062e-01,  9.09423828e-03,  1.12915039e-02,  1.53320312e-01,
        -1.27929688e-01, -1.84326172e-02, -2.03125000e-01,  4.66308594e-02,
        -1.16210938e-01, -8.78906250e-02, -7.81250000e-02, -1.96289062e-01,
         1.24511719e-01, -9.17968750e-02, -3.45703125e-01, -3.34472656e-02,
        -1.14257812e-01, -2.14843750e-01, -2.59765625e-01,  1.06933594e-01,
        -5.51757812e-02,  1.07421875e-01,  3.57055664e-03,  1.04492188e-01,
         1.28906250e-01,  1.52343750e-01, -5.11169434e-04, -6.78710938e-02,
         9.27734375e-02,  2.34375000e-02,  2.69775391e-02, -2.09960938e-02,
         7.47070312e-02, -6.49414062e-02, -1.28784180e-02,  1.03515625e-01,
        -1.66992188e-01, -9.57031250e-02,  1.31835938e-01, -3.70788574e-03,
        -7.12890625e-02, -3.28125000e-01,  2.39257812e-01, -1.84570312e-01,
        -1.59179688e-01,  1.53320312e-01,  1.46484375e-02, -6.73828125e-02,
         6.25000000e-02, -9.42382812e-02, -9.37500000e-02, -1.07421875e-01,
        -1.70898438e-02,  9.08203125e-02,  7.51953125e-02, -1.07910156e-01,
        -1.11328125e-01, -8.34960938e-02,  1.25000000e-01,  1.90429688e-01,
         7.76367188e-02,  2.73437500e-01, -1.65039062e-01,  1.10839844e-01,
        -1.30859375e-01,  8.74023438e-02,  1.16210938e-01, -1.23291016e-02,
        -1.37695312e-01, -3.73046875e-01, -5.98144531e-02,  1.34765625e-01,
        -1.96289062e-01,  2.25585938e-01,  5.05371094e-02,  6.07910156e-02,
        -2.67578125e-01, -1.48315430e-02, -1.91406250e-01, -9.42382812e-02,
         8.44726562e-02, -1.94091797e-02,  1.31835938e-01, -2.34375000e-01,
        -1.52343750e-01,  1.10839844e-01, -1.07910156e-01, -7.86132812e-02,
         1.84570312e-01, -5.81054688e-02,  2.08007812e-01,  2.12402344e-02,
        -9.17968750e-02, -5.15747070e-03, -9.91210938e-02, -5.90820312e-02,
        -7.56835938e-02,  3.06640625e-01, -3.45703125e-01, -2.52685547e-02,
        -3.49609375e-01, -1.53320312e-01, -2.28515625e-01,  1.77734375e-01,
         7.91015625e-02,  1.26953125e-01, -1.03515625e-01,  4.76074219e-0
2],
       dtype=float32),
 'skill': array([ 1.52343750e-01, -2.41699219e-02,  1.08398438e-01,  1.5625
0000e-01,
         1.35742188e-01,  1.05957031e-01,  2.55859375e-01,  8.85009766e-03,
        -1.44531250e-01, -1.46484375e-02,  3.06640625e-01,  7.17773438e-02,
         1.58203125e-01, -1.88476562e-01, -3.75976562e-02,  2.07031250e-01,
        -1.22558594e-01,  4.12109375e-01, -1.44531250e-01, -3.59375000e-01,
         2.99072266e-02, -6.25000000e-02, -1.44042969e-02,  4.84375000e-01,
        -1.26342773e-02,  1.41601562e-02, -2.16796875e-01, -1.88476562e-01,
        -2.09960938e-01,  5.98144531e-02, -1.32812500e-01,  1.79687500e-01,
         1.93359375e-01, -1.57226562e-01,  1.20117188e-01,  5.81054688e-02,
        -1.55273438e-01,  6.83593750e-02,  9.57031250e-02, -1.85546875e-01,
         2.51953125e-01,  1.04980469e-02,  7.51953125e-02,  1.39648438e-01,
        -9.91210938e-02, -5.29785156e-02, -1.38671875e-01,  1.07421875e-01,
        -4.15039062e-03, -8.83789062e-02, -3.41796875e-01,  1.04492188e-01,
        -1.75781250e-01, -1.95312500e-01,  5.84125519e-05,  4.07714844e-02,
         1.67968750e-01, -1.89453125e-01, -1.58203125e-01, -6.98242188e-02,
         2.92968750e-02,  1.68457031e-02, -5.82885742e-03, -3.47656250e-01,
        -7.17773438e-02,  1.31835938e-01, -3.83300781e-02, -2.12890625e-01,
         1.68457031e-02,  8.69140625e-02,  3.32031250e-02, -2.69531250e-01,
         2.05078125e-01,  1.07421875e-01, -7.37304688e-02, -6.71386719e-03,
        -1.13281250e-01,  1.21093750e-01,  4.32128906e-02, -1.43432617e-02,
         2.97851562e-02,  2.02148438e-01,  4.22363281e-02,  1.34765625e-01,
```

```
         2.61718750e-01, -1.62109375e-01, -6.44531250e-02,  2.59765625e-01,
         3.06640625e-01, -5.44433594e-02,  4.19921875e-02, -4.15039062e-03,
        -4.10156250e-01,  7.12890625e-02,  3.98437500e-01, -2.61718750e-01,
         1.29882812e-01,  1.21582031e-01, -2.91015625e-01, -3.32031250e-01,
        -6.50024414e-03,  2.89306641e-02, -6.59179688e-02,  5.68847656e-02,
        -6.64062500e-02, -2.26562500e-01,  1.51977539e-02, -2.17773438e-01,
         2.33398438e-01, -2.03125000e-01,  1.13769531e-01,  2.01171875e-01,
        -2.81250000e-01,  1.80664062e-01,  2.01171875e-01,  3.88183594e-02,
         1.83593750e-01, -1.96289062e-01, -2.23632812e-01, -3.02734375e-01,
        -3.37890625e-01, -1.35498047e-02,  1.13281250e-01,  1.66015625e-01,
         2.86865234e-02,  1.12792969e-01, -2.07031250e-01, -1.00097656e-01,
         5.31005859e-03,  2.50000000e-01,  7.47070312e-02, -1.23535156e-01,
        -4.29687500e-01, -1.34765625e-01, -3.51562500e-02, -3.73535156e-02,
        -1.60156250e-01, -1.86523438e-01, -2.31445312e-01,  3.95507812e-02,
        -2.44140625e-01, -1.52343750e-01, -1.38549805e-02,  8.49609375e-02,
        -1.08398438e-01,  1.76757812e-01,  2.79296875e-01,  1.98242188e-01,
        -1.85546875e-02,  1.81884766e-02,  1.88476562e-01,  4.57031250e-01,
        -2.38281250e-01,  2.21679688e-01, -2.13867188e-01, -2.77099609e-02,
         9.08203125e-02, -2.01171875e-01, -7.86132812e-02, -2.65625000e-01,
         1.88476562e-01, -1.00585938e-01, -1.98242188e-01, -2.52685547e-02,
        -2.85156250e-01, -3.63281250e-01,  8.25195312e-02, -3.53515625e-01,
        -1.01562500e-01,  1.22070312e-01, -1.64794922e-02, -1.92382812e-01,
        -3.16406250e-01, -1.42578125e-01,  1.69921875e-01, -1.16210938e-01,
         9.22851562e-02, -3.55468750e-01,  1.65039062e-01, -2.59765625e-01,
        -1.66992188e-01, -4.15039062e-02,  8.83789062e-02,  1.23535156e-01,
        -1.68945312e-01, -1.53320312e-01,  1.37695312e-01, -4.12109375e-01,
         8.83789062e-02, -1.79687500e-01, -7.29370117e-03,  1.34765625e-01,
        -3.03955078e-02,  2.89306641e-02,  1.72424316e-03, -8.30078125e-02,
         1.11328125e-01, -5.20019531e-02, -1.96289062e-01, -2.75390625e-01,
        -1.35742188e-01,  1.55273438e-01, -7.17773438e-02, -4.83398438e-02,
         1.23291016e-02, -1.56250000e-01, -9.42382812e-02, -2.23388672e-02,
         6.07910156e-02,  1.28173828e-02, -5.27954102e-03, -7.91015625e-02,
        -1.08398438e-01,  4.95605469e-02,  2.72216797e-02, -1.15722656e-01,
         9.27734375e-02,  1.88476562e-01, -1.81640625e-01,  1.66015625e-01,
        -7.22656250e-02, -3.73535156e-02, -2.77099609e-02, -2.69531250e-01,
        -1.26953125e-01, -3.58886719e-02,  2.08740234e-02, -6.68945312e-02,
         6.44531250e-02,  6.44531250e-02, -8.20312500e-02, -3.17382812e-02,
         4.37011719e-02,  2.55126953e-02, -8.88671875e-02, -1.62109375e-01,
        -9.96093750e-02, -2.02941895e-03,  5.49316406e-02,  1.59179688e-01,
        -1.00585938e-01,  2.53906250e-01, -3.36914062e-02, -8.20312500e-02,
         1.02050781e-01, -4.90722656e-02, -4.22363281e-02, -1.23046875e-01,
         1.83593750e-01, -2.23632812e-01, -1.06933594e-01,  2.79541016e-02,
        -2.28515625e-01,  4.35546875e-01,  2.04101562e-01, -1.66015625e-01,
         1.43554688e-01,  5.54199219e-02, -2.69531250e-01,  4.78515625e-02,
         1.25000000e-01, -1.14257812e-01, -1.62353516e-02,  1.54296875e-01,
        -5.90820312e-02,  3.55468750e-01,  9.32617188e-02, -1.85546875e-01,
         1.14257812e-01, -1.69921875e-01, -2.08007812e-01,  2.01171875e-01,
        -2.18750000e-01, -2.69775391e-02, -6.54296875e-02,  1.67968750e-01,
         1.00097656e-01, -4.19921875e-02, -2.50000000e-01,  2.15820312e-01,
         7.47070312e-02, -1.42578125e-01,  2.16796875e-01,  6.77490234e-03,
        -1.60156250e-01, -1.39648438e-01, -3.14453125e-01,  1.03027344e-01,
         7.76367188e-02,  3.37890625e-01, -2.80761719e-02,  1.37695312e-01,
        -1.70898438e-01, -2.21679688e-01, -3.33984375e-01, -1.23046875e-01,
         3.39843750e-01, -1.57226562e-01, -3.37890625e-01, -3.36914062e-0
2],
       dtype=float32),
 'also': array([ 5.34667969e-02,  1.20239258e-02, -6.50024414e-03,  8.54492
188e-03,
         1.64794922e-02,  1.83593750e-01, -7.08007812e-02, -5.93261719e-02,
         1.42211914e-02,  6.39648438e-02, -6.12792969e-02, -7.71484375e-02,
        -5.37109375e-03,  1.98974609e-02, -1.75781250e-01, -1.18164062e-01,
        -6.54296875e-02, -6.25000000e-02, -2.08007812e-01, -1.04370117e-02,
         8.98437500e-02,  1.69677734e-02, -1.40625000e-01,  6.34765625e-02,
         4.56542969e-02, -1.09375000e-01, -1.18652344e-01,  7.17773438e-02,
```

```
-6.25000000e-02,  3.54003906e-02, -9.08203125e-02,  5.90820312e-02,
 3.56445312e-02, -3.62396240e-04,  2.57812500e-01, -1.71875000e-01,
 1.51367188e-01, -9.66796875e-02,  9.94873047e-03, -8.74023438e-02,
 1.91406250e-01,  6.64062500e-02,  6.64062500e-02, -7.43865967e-04,
-6.78710938e-02, -9.47265625e-02, -4.10156250e-02,  1.84326172e-02,
 5.32226562e-02, -8.91113281e-03,  9.37500000e-02,  4.88281250e-02,
 5.39550781e-02, -2.07519531e-02, -2.45666504e-03,  1.37695312e-01,
-9.61914062e-02, -3.75976562e-02,  7.42187500e-02, -8.39843750e-02,
-4.83398438e-02,  2.96630859e-02, -1.03027344e-01,  1.07910156e-01,
-5.81054688e-02,  1.09863281e-01,  5.20019531e-02,  2.34375000e-02,
-5.00488281e-03,  2.71484375e-01,  2.12402344e-02,  2.92968750e-02,
 1.84570312e-01, -5.24902344e-02, -3.90625000e-02,  1.67236328e-02,
 9.22851562e-02,  4.06250000e-01, -1.53198242e-02,  4.78515625e-02,
 1.69921875e-01, -2.16064453e-02,  1.97265625e-01, -1.44531250e-01,
-1.06201172e-02, -1.64062500e-01, -1.51367188e-01,  2.19726562e-01,
-9.61914062e-02, -1.49414062e-01,  1.15234375e-01,  9.37500000e-02,
-7.66601562e-02, -1.30859375e-01,  1.36718750e-01, -3.93066406e-02,
-6.54296875e-02,  1.02539062e-01, -4.27246094e-02, -7.87353516e-03,
 3.18908691e-03, -1.15234375e-01,  2.58789062e-02, -4.19921875e-02,
 5.49316406e-02,  3.56445312e-02,  1.09863281e-02,  1.11389160e-03,
 9.17968750e-02, -2.62451172e-03, -4.71191406e-02,  2.89306641e-02,
-8.20312500e-02, -8.93554688e-02,  8.88671875e-02,  1.91650391e-02,
 5.46875000e-02, -3.78417969e-02,  1.52343750e-01,  7.66601562e-02,
-9.32617188e-02,  7.61718750e-02, -8.10546875e-02,  1.11816406e-01,
-1.36718750e-01, -6.12792969e-02,  1.47094727e-02, -5.41992188e-02,
 1.13769531e-01,  1.13281250e-01,  7.66601562e-02, -1.79443359e-02,
-1.77001953e-02, -1.66992188e-01, -1.17187500e-01, -6.22558594e-02,
 4.90722656e-02, -1.85546875e-02,  5.66406250e-02,  1.16699219e-01,
-1.58691406e-02, -4.34570312e-02,  9.96093750e-02, -3.01513672e-02,
 1.83105469e-02, -1.26953125e-01,  2.73437500e-02,  2.44140625e-02,
-5.39550781e-02,  1.66015625e-01, -5.76171875e-02,  1.21582031e-01,
-1.31835938e-01, -1.01562500e-01,  4.19921875e-02, -1.11328125e-01,
-1.89453125e-01, -1.05468750e-01,  3.75976562e-02, -6.29882812e-02,
 1.43554688e-01,  8.88671875e-02,  9.96093750e-02,  2.49023438e-02,
 4.34570312e-02,  3.85742188e-02,  6.39648438e-02,  1.00708008e-02,
 4.80957031e-02, -1.07421875e-01,  4.15039062e-02,  7.04956055e-03,
 5.59082031e-02, -8.93554688e-02,  5.81054688e-02, -9.91210938e-02,
 6.71386719e-03, -1.96289062e-01, -4.10156250e-02,  4.80957031e-02,
-9.22851562e-02, -1.43554688e-01,  4.27246094e-03, -2.75878906e-02,
 6.05468750e-02,  7.53784180e-03,  8.83789062e-02,  6.77490234e-03,
-1.43432617e-02, -1.07910156e-01,  2.64892578e-02, -5.29785156e-02,
 7.47680664e-03, -9.37500000e-02, -2.09960938e-02, -3.88183594e-02,
 1.22070312e-02, -8.20312500e-02, -8.39843750e-02, -2.44140625e-01,
 1.51367188e-01, -6.83593750e-02, -1.02539062e-02, -2.54821777e-03,
 8.34960938e-02, -1.31835938e-01,  1.17797852e-02,  9.61914062e-02,
 5.07812500e-02,  3.49121094e-02, -6.68945312e-02, -1.12792969e-01,
-7.12890625e-02,  1.40625000e-01,  3.25012207e-03, -9.27734375e-03,
 1.89453125e-01, -1.04492188e-01, -1.12792969e-01, -3.56445312e-02,
 6.17675781e-02,  4.66308594e-02, -7.66601562e-02, -9.22851562e-02,
 7.81250000e-02, -2.74658203e-02, -7.42187500e-02,  1.95312500e-02,
 1.45507812e-01,  9.21630859e-03, -4.27246094e-03,  5.34667969e-02,
 1.11694336e-02,  4.63867188e-02, -3.32031250e-02, -2.44140625e-02,
-9.64355469e-03, -1.28906250e-01,  3.73535156e-02, -6.68945312e-02,
-6.83593750e-02, -1.50390625e-01,  1.08886719e-01, -1.08032227e-02,
 1.26953125e-01,  4.85839844e-02, -3.54003906e-03, -6.44531250e-02,
-7.37304688e-02,  3.46679688e-02, -3.17382812e-02,  1.58203125e-01,
 7.91015625e-02, -4.15039062e-02,  8.69140625e-02, -3.64303589e-04,
 2.12890625e-01,  1.29882812e-01, -3.29589844e-02,  6.12792969e-02,
 1.06445312e-01,  1.10839844e-01, -9.76562500e-02,  6.73828125e-02,
 9.47265625e-02,  7.12890625e-02,  3.34472656e-02,  1.11816406e-01,
 5.10253906e-02,  7.56835938e-02,  8.93554688e-02, -1.17675781e-01,
 4.12597656e-02,  9.52148438e-02,  9.42382812e-02, -9.27734375e-02,
 3.10058594e-02, -1.25976562e-01, -4.44335938e-02, -4.66308594e-02,
 4.54101562e-02, -5.32226562e-02, -4.73632812e-02,  8.44726562e-02,
```

```
        -1.58691406e-02, -7.22656250e-02, -7.71484375e-02, -6.29882812e-02,
         2.29492188e-02,  6.13403320e-03, -7.17773438e-02, -1.14257812e-01,
         4.00390625e-02, -7.81250000e-02, -2.95410156e-02,  7.42187500e-02,
         5.49316406e-02, -1.93786621e-03,  3.22265625e-02, -1.52343750e-0
1],
       dtype=float32),
 'oversee': array([-1.05468750e-01, -1.03515625e-01,  1.76757812e-01, -4.12
109375e-01,
        -1.14135742e-02,  2.58789062e-02,  9.21630859e-03, -1.53320312e-01,
         3.61328125e-02, -2.83203125e-01,  1.34765625e-01,  5.46875000e-02,
         1.64794922e-02, -3.12500000e-02, -1.59179688e-01,  3.08593750e-01,
        -1.99218750e-01, -5.83496094e-02, -1.08886719e-01,  1.17187500e-02,
        -1.06933594e-01,  1.55273438e-01,  4.16015625e-01,  2.41210938e-01,
         7.08007812e-02, -2.09960938e-02, -1.85546875e-01,  1.86767578e-02,
        -2.29492188e-01, -6.12792969e-02, -2.69775391e-02,  5.63964844e-02,
        -1.46484375e-01,  1.97265625e-01,  1.15722656e-01, -1.01074219e-01,
        -1.78222656e-02, -2.05078125e-02,  1.27929688e-01,  2.46093750e-01,
         6.05468750e-02, -8.74023438e-02,  1.87988281e-02, -1.04980469e-01,
        -4.17968750e-01, -2.07031250e-01, -2.83203125e-02, -7.56835938e-02,
        -4.19921875e-02,  5.88378906e-02,  4.24804688e-02, -1.88476562e-01,
         2.83203125e-01, -5.12695312e-02, -2.85156250e-01,  9.13085938e-02,
        -7.22656250e-02, -3.20312500e-01,  2.16796875e-01, -3.18359375e-01,
        -1.80664062e-01, -5.85937500e-02,  2.60009766e-02,  1.29882812e-01,
         2.96875000e-01, -1.91406250e-01, -1.94335938e-01,  7.56835938e-02,
         1.58203125e-01, -8.44726562e-02,  2.24609375e-01,  2.53906250e-02,
         3.22265625e-01,  2.77343750e-01, -4.68750000e-02, -2.96875000e-01,
        -9.57031250e-02,  4.46777344e-02, -1.38671875e-01,  1.62109375e-01,
         2.38281250e-01, -2.77099609e-02, -1.71875000e-01,  1.76757812e-01,
         6.10351562e-02,  7.22656250e-02,  1.01074219e-01, -1.43554688e-01,
         7.03125000e-02,  3.63159180e-03,  3.24218750e-01, -2.36328125e-01,
         8.88671875e-02, -6.34765625e-02,  2.96875000e-01,  5.15136719e-02,
        -4.90722656e-02, -1.87500000e-01, -1.04980469e-01,  2.40478516e-02,
         2.37304688e-01,  3.08593750e-01,  2.38281250e-01,  9.32617188e-02,
         9.86328125e-02, -4.21875000e-01, -2.83203125e-01, -9.47265625e-02,
        -1.20605469e-01,  1.25976562e-01,  7.95898438e-02,  6.93359375e-02,
        -4.00390625e-02, -3.02734375e-01,  2.04101562e-01,  4.07714844e-02,
        -1.79687500e-01,  4.83398438e-02,  1.89453125e-01, -5.27343750e-02,
         7.62939453e-03, -1.23046875e-01,  1.11694336e-02,  3.57421875e-01,
         1.75781250e-01, -1.14746094e-01,  1.81640625e-01,  1.00097656e-01,
         4.08203125e-01,  2.25585938e-01, -1.86767578e-02,  4.32128906e-02,
        -1.72851562e-01,  1.62109375e-01,  5.22460938e-02,  1.66015625e-01,
        -2.08007812e-01,  3.26171875e-01,  1.94335938e-01, -2.53906250e-01,
         1.04492188e-01, -7.61718750e-02, -1.04980469e-01,  1.31835938e-01,
        -4.51660156e-02,  7.86132812e-02,  7.37304688e-02,  6.93359375e-02,
         4.54101562e-02,  4.83398438e-02, -4.24804688e-02,  2.83203125e-01,
        -1.69921875e-01,  6.67968750e-01,  5.37109375e-03,  1.87500000e-01,
        -1.96533203e-02,  2.74658203e-02,  6.05468750e-02,  1.13769531e-01,
         5.90820312e-02, -2.57812500e-01, -2.13867188e-01,  7.03125000e-02,
         1.74804688e-01,  4.54101562e-02,  1.17187500e-01, -2.53906250e-01,
         3.39843750e-01, -3.66210938e-02,  1.66015625e-02, -3.14941406e-02,
         2.65625000e-01, -3.16406250e-01,  3.61328125e-01, -1.09863281e-01,
         2.20703125e-01, -4.51660156e-02, -3.30078125e-01,  1.90429688e-01,
        -2.67578125e-01, -3.89099121e-03, -2.31933594e-02, -1.68945312e-01,
        -1.74804688e-01,  8.10546875e-02,  2.83203125e-01,  7.47070312e-02,
        -6.29882812e-02,  9.81445312e-02,  3.14941406e-02, -1.04492188e-01,
         1.54296875e-01, -7.71484375e-02, -2.98828125e-01, -4.98046875e-02,
         3.33984375e-01, -9.03320312e-02, -8.98437500e-02, -2.91015625e-01,
         1.51367188e-02,  1.79687500e-01,  4.66308594e-02, -1.08398438e-01,
        -5.51757812e-02, -1.68945312e-01, -3.83300781e-02,  9.42382812e-02,
         2.10937500e-01, -1.84570312e-01, -3.66210938e-02, -8.93554688e-02,
        -1.16699219e-01,  4.39453125e-02,  1.21582031e-01, -2.61718750e-01,
        -1.22558594e-01,  7.37304688e-02, -9.46044922e-03, -4.31640625e-01,
         2.61718750e-01, -1.01562500e-01, -1.61132812e-01,  2.10937500e-01,
         7.95898438e-02, -9.91210938e-02, -8.44001770e-05,  5.51757812e-02,
```

```
         6.98242188e-02, -1.76757812e-01, -3.10058594e-02, -1.09863281e-01,
        -2.25585938e-01,  1.86523438e-01, -2.47802734e-02, -4.05273438e-02,
        -1.04492188e-01, -2.55859375e-01,  1.21093750e-01, -1.29882812e-01,
        -4.16015625e-01, -2.12402344e-02, -1.56250000e-01,  4.98046875e-02,
        -2.46093750e-01, -2.99072266e-02, -9.86328125e-02,  3.54003906e-02,
         1.70898438e-01, -2.92968750e-01, -2.51953125e-01,  9.81445312e-02,
        -2.47070312e-01,  1.17187500e-01,  7.12890625e-02,  1.47094727e-02,
        -3.80859375e-02,  3.59375000e-01, -3.39355469e-02, -1.00585938e-01,
         8.10546875e-02,  9.71679688e-02,  8.25195312e-02,  1.07421875e-01,
         3.86718750e-01,  2.39257812e-02, -1.28906250e-01, -1.12304688e-02,
        -2.02148438e-01,  2.47070312e-01,  5.15136719e-02,  1.91650391e-02,
        -6.44531250e-02, -6.25000000e-02,  3.58886719e-02, -2.89062500e-01,
         1.37695312e-01, -1.70898438e-02,  1.69921875e-01, -2.00195312e-01,
        -1.79443359e-02,  4.52041626e-04,  1.18164062e-01,  4.35546875e-01,
         2.73437500e-01,  2.59765625e-01, -2.83203125e-01,  1.38549805e-02,
         7.18750000e-01, -1.50146484e-02,  2.38037109e-02,  1.57226562e-01,
         1.48437500e-01,  2.73437500e-01, -1.78710938e-01, -5.56640625e-02,
        -4.93164062e-02,  9.61914062e-02,  2.00195312e-01, -6.98242188e-0
2],
       dtype=float32),
 'programming': array([-0.16699219, -0.00335693,  0.10498047,  0.2578125 ,
0.05566406,
        -0.0703125 ,  0.2890625 ,  0.06494141, -0.09179688, -0.17578125,
        -0.18652344,  0.02709961, -0.31835938,  0.07421875, -0.04150391,
         0.0703125 , -0.05761719,  0.08349609,  0.26757812, -0.21191406,
         0.00878906,  0.22265625,  0.16992188,  0.28515625,  0.02636719,
        -0.16796875,  0.09277344,  0.17089844, -0.06787109, -0.19726562,
        -0.03564453, -0.012146  , -0.03588867,  0.24511719,  0.11328125,
        -0.34179688,  0.05395508,  0.19238281,  0.18261719, -0.03295898,
         0.02636719, -0.02099609,  0.28320312,  0.09570312, -0.36328125,
         0.11914062, -0.12011719,  0.08789062,  0.10449219,  0.04785156,
        -0.11816406, -0.33789062, -0.11132812,  0.10644531, -0.0111084 ,
        -0.16992188,  0.02307129, -0.08056641, -0.28125   ,  0.03149414,
         0.109375  , -0.11865234, -0.07666016, -0.05029297, -0.01257324,
        -0.00491333, -0.05444336,  0.07470703,  0.00265503, -0.0324707 ,
         0.15625   , -0.15625   , -0.05932617, -0.14257812,  0.01623535,
         0.07275391,  0.11328125, -0.36914062,  0.02600098,  0.0267334 ,
         0.15332031,  0.10839844, -0.17773438,  0.08203125, -0.03686523,
        -0.26367188, -0.03320312,  0.16015625,  0.07958984,  0.2109375 ,
        -0.02062988, -0.33203125, -0.0213623 , -0.13476562,  0.25585938,
        -0.16113281, -0.13378906,  0.14160156, -0.15039062,  0.28515625,
         0.21484375,  0.16894531, -0.09130859, -0.13769531, -0.10595703,
        -0.1484375 ,  0.22558594, -0.20898438, -0.03393555, -0.23632812,
        -0.1953125 ,  0.15234375, -0.16796875, -0.15332031,  0.12890625,
         0.10400391, -0.03857422, -0.03881836,  0.17382812, -0.140625  ,
        -0.3359375 , -0.00170135,  0.15917969,  0.33789062, -0.10546875,
        -0.13671875, -0.19921875,  0.28515625, -0.09082031,  0.046875  ,
         0.15917969, -0.28710938, -0.04394531,  0.01531982, -0.0234375 ,
         0.296875  ,  0.09130859,  0.01745605,  0.04394531,  0.03637695,
        -0.13476562, -0.29101562, -0.04443359,  0.38671875,  0.00411987,
        -0.01348877,  0.73046875, -0.00848389, -0.11132812,  0.09326172,
         0.04077148, -0.01470947, -0.20214844, -0.19335938, -0.17871094,
        -0.375     , -0.15039062,  0.02062988, -0.09130859, -0.05029297,
        -0.1796875 ,  0.29101562, -0.22363281,  0.26953125, -0.00469971,
        -0.00375366,  0.05786133, -0.00933838,  0.10693359, -0.13671875,
         0.06176758,  0.06884766,  0.02514648, -0.34179688,  0.2265625 ,
        -0.0378418 ,  0.37109375, -0.19726562, -0.1484375 ,  0.14453125,
         0.03564453, -0.08984375,  0.20703125, -0.16113281,  0.44921875,
         0.16699219, -0.38867188, -0.10107422,  0.36523438, -0.15917969,
        -0.03686523, -0.15625   ,  0.05615234,  0.0291748 , -0.29296875,
         0.08544922, -0.10742188,  0.00099182, -0.04394531,  0.03637695,
        -0.33203125, -0.00430298, -0.09765625,  0.11328125, -0.16894531,
        -0.0703125 ,  0.05834961, -0.04492188, -0.03588867,  0.28710938,
        -0.19726562,  0.03686523, -0.05273438,  0.28710938,  0.16113281,
```

```
         0.18945312,  0.31835938, -0.03637695, -0.23242188, -0.20898438,
        -0.04760742, -0.1171875 ,  0.0135498 ,  0.22753906, -0.2734375 ,
        -0.13378906,  0.00215149,  0.28125   , -0.07275391,  0.109375  ,
        -0.33398438, -0.40820312,  0.00127411, -0.06054688, -0.1171875 ,
         0.19042969,  0.01489258, -0.06030273,  0.18652344,  0.05834961,
         0.03881836, -0.14648438,  0.03833008, -0.31054688, -0.01745605,
        -0.11523438,  0.11328125,  0.08886719, -0.16796875, -0.02514648,
         0.19140625,  0.18164062, -0.37304688, -0.03198242,  0.16699219,
        -0.05078125, -0.21582031, -0.03198242, -0.20117188, -0.14746094,
         0.10058594,  0.2265625 ,  0.06396484,  0.07275391, -0.42773438,
         0.28710938,  0.08300781,  0.05371094, -0.14550781,  0.02600098,
        -0.25      ,  0.17089844, -0.29101562, -0.0534668 ,  0.15625   ,
        -0.14550781, -0.16699219,  0.13476562,  0.08203125,  0.1953125 ,
        -0.1640625 ,  0.12695312, -0.05102539,  0.09716797,  0.046875  ,
         0.23632812,  0.29882812, -0.07275391,  0.01477051,  0.10253906,
        -0.00964355, -0.07470703, -0.07568359,  0.19921875, -0.02185059,
         0.03857422, -0.00485229,  0.07714844,  0.18164062, -0.06396484],
       dtype=float32),
 'associate': array([ 0.02246094, -0.2109375 , -0.06396484,  0.06591797, -
0.08007812,
         0.2734375 ,  0.23925781, -0.14355469, -0.12207031, -0.08789062,
         0.06103516, -0.12792969, -0.13574219, -0.03173828, -0.5       ,
         0.24707031,  0.2265625 ,  0.01782227,  0.11914062, -0.04589844,
        -0.05175781,  0.08691406,  0.22558594, -0.11083984,  0.19726562,
        -0.13183594, -0.21582031,  0.16113281, -0.30273438, -0.09375   ,
         0.13964844,  0.12451172, -0.05371094,  0.07177734,  0.21582031,
        -0.04345703, -0.14941406,  0.10791016,  0.05981445,  0.00622559,
        -0.01757812, -0.11816406, -0.29492188,  0.03540039, -0.16308594,
        -0.32226562, -0.078125  , -0.03369141,  0.01074219,  0.14355469,
        -0.10107422, -0.10058594,  0.08398438,  0.17285156,  0.17480469,
        -0.15136719, -0.02307129, -0.15917969,  0.04541016, -0.0016861 ,
        -0.24023438, -0.02172852, -0.11816406,  0.19921875, -0.09960938,
         0.05224609, -0.15136719, -0.0065918 ,  0.02636719, -0.01794434,
        -0.14355469, -0.02697754,  0.02868652, -0.03662109, -0.26171875,
        -0.109375  , -0.390625  ,  0.27148438,  0.06079102,  0.14160156,
         0.03125   ,  0.11083984, -0.15332031,  0.13476562,  0.01989746,
         0.00976562, -0.10205078,  0.0072937 , -0.10693359,  0.10400391,
        -0.02001953, -0.23828125, -0.11132812,  0.10791016,  0.2109375 ,
         0.02514648,  0.04150391,  0.22363281, -0.08349609,  0.00361633,
        -0.01080322,  0.00823975, -0.12304688, -0.08203125,  0.21679688,
         0.00358582, -0.16601562, -0.04443359, -0.02331543,  0.05688477,
        -0.21679688, -0.12890625,  0.13964844, -0.02429199, -0.16796875,
         0.11474609, -0.04931641,  0.08349609,  0.33789062,  0.05224609,
        -0.16210938,  0.02832031, -0.05615234, -0.03491211, -0.1875    ,
        -0.11279297,  0.3515625 , -0.09814453,  0.390625  ,  0.28710938,
         0.20703125, -0.26953125, -0.125     ,  0.08251953,  0.0480957 ,
        -0.125     ,  0.07910156,  0.15332031, -0.0546875 , -0.06494141,
        -0.17773438,  0.03930664, -0.28515625, -0.03564453, -0.12988281,
         0.26171875, -0.02062988,  0.02392578, -0.0324707 ,  0.12890625,
         0.17480469,  0.37109375,  0.05395508,  0.28515625,  0.18066406,
        -0.24804688, -0.14257812,  0.08886719,  0.13085938,  0.08007812,
         0.09863281, -0.07763672, -0.08398438,  0.22167969,  0.16699219,
         0.08105469,  0.08203125, -0.13085938,  0.12207031,  0.12304688,
        -0.00686646, -0.00854492,  0.10009766, -0.02502441,  0.03295898,
         0.08398438, -0.0703125 , -0.21777344,  0.15722656, -0.02563477,
        -0.21972656, -0.08398438,  0.24902344, -0.12988281,  0.04077148,
        -0.2734375 ,  0.04150391,  0.18457031,  0.12890625,  0.31835938,
         0.08398438,  0.05102539, -0.11279297,  0.04833984, -0.13769531,
         0.19921875,  0.27734375,  0.01977539,  0.13769531,  0.26953125,
        -0.00939941,  0.10693359,  0.11035156,  0.00466919, -0.07373047,
        -0.16308594, -0.1328125 ,  0.06347656, -0.10888672,  0.04736328,
         0.02050781, -0.32421875, -0.03881836,  0.09375   ,  0.14941406,
         0.16210938, -0.2109375 , -0.11816406,  0.2421875 , -0.31640625,
         0.0859375 , -0.01867676, -0.13574219,  0.03735352,  0.04492188,
```

```
         0.11328125,  0.27148438,  0.15332031, -0.25390625, -0.04418945,
        -0.05664062,  0.1484375 , -0.23144531,  0.03710938,  0.00637817,
         0.0324707 , -0.00340271, -0.171875  , -0.10107422, -0.07421875,
        -0.13378906, -0.11572266, -0.15722656, -0.05908203, -0.15429688,
        -0.11035156, -0.22070312, -0.04785156,  0.16015625, -0.20019531,
         0.17285156,  0.12353516, -0.09082031, -0.06982422, -0.12792969,
         0.03515625, -0.26171875,  0.15234375, -0.09033203, -0.16796875,
        -0.01452637, -0.26367188,  0.08349609, -0.16796875,  0.03393555,
         0.05761719, -0.13183594,  0.12988281, -0.01794434, -0.01953125,
         0.04150391, -0.11816406,  0.05883789, -0.02575684, -0.04467773,
        -0.29492188, -0.28710938,  0.01177979,  0.15039062,  0.06689453,
        -0.0390625 , -0.13476562, -0.16699219,  0.04418945, -0.18847656,
         0.19921875, -0.03491211,  0.03222656,  0.25585938, -0.10302734,
        -0.00354004,  0.24121094, -0.06591797,  0.08007812, -0.01916504,
        -0.13574219,  0.33398438, -0.03222656,  0.27148438,  0.30273438],
       dtype=float32),
 'analyst': array([ 1.20605469e-01, -7.12890625e-02, -3.58886719e-02,  2.42
187500e-01,
        -2.98828125e-01,  3.53515625e-01,  2.20703125e-01, -1.01562500e-01,
         1.34765625e-01, -8.64257812e-02, -3.80859375e-01, -1.38671875e-01,
         2.87109375e-01, -1.17187500e-01, -6.36718750e-01,  3.47656250e-01,
         2.30468750e-01,  3.08837891e-02,  6.59179688e-02, -2.59765625e-01,
         1.57226562e-01, -1.98242188e-01,  3.44238281e-02, -8.00781250e-02,
         6.48437500e-01, -1.15722656e-01, -5.09643555e-03, -1.20605469e-01,
        -3.71093750e-01,  8.05664062e-02,  6.64062500e-02,  3.10546875e-01,
        -1.64062500e-01,  1.33789062e-01,  3.84765625e-01,  9.88769531e-03,
        -2.12890625e-01,  3.75000000e-01, -2.33154297e-02, -8.83789062e-02,
        -1.90429688e-02, -4.14062500e-01,  1.91406250e-01,  5.46875000e-02,
        -8.49609375e-02, -1.32812500e-01, -2.83203125e-01, -2.71484375e-01,
        -4.63867188e-02, -3.22265625e-02,  1.90429688e-01,  5.10253906e-02,
        -3.33984375e-01,  2.42187500e-01, -1.47460938e-01, -3.22265625e-01,
         1.62109375e-01,  2.25830078e-02, -8.34960938e-02, -4.06250000e-01,
        -3.45703125e-01,  3.17382812e-02, -2.43164062e-01,  3.24218750e-01,
         3.78417969e-02,  4.25781250e-01,  1.33789062e-01,  1.89453125e-01,
         1.63085938e-01,  1.06445312e-01, -1.40625000e-01,  7.56835938e-02,
         1.03515625e-01,  1.44042969e-02, -4.41406250e-01,  2.10937500e-01,
        -1.07421875e-01,  1.71875000e-01,  2.50244141e-02,  1.09375000e-01,
         3.26171875e-01,  3.71093750e-01, -5.39062500e-01,  2.69531250e-01,
        -1.28906250e-01,  7.81250000e-02,  6.29882812e-02,  4.78515625e-02,
        -3.02734375e-01,  5.70678711e-03,  3.41796875e-01, -2.59765625e-01,
        -1.96289062e-01,  3.98437500e-01,  8.54492188e-02, -6.29882812e-02,
         3.12500000e-01,  1.35742188e-01,  3.75000000e-01, -2.08007812e-01,
         8.64257812e-02,  1.09375000e-01,  1.63085938e-01, -4.76074219e-02,
        -1.59912109e-02,  9.71679688e-02, -2.77343750e-01, -1.42578125e-01,
        -1.85546875e-01, -1.84570312e-01, -3.18359375e-01, -4.14062500e-01,
        -3.68652344e-02,  6.25000000e-02, -1.80664062e-01,  1.33789062e-01,
        -2.98828125e-01,  2.51953125e-01,  6.48437500e-01,  1.41601562e-01,
         1.87500000e-01,  4.04296875e-01, -3.10546875e-01, -1.40625000e-01,
         4.34570312e-02, -5.35156250e-01,  1.81640625e-01,  2.02636719e-02,
        -5.52368164e-03,  4.45312500e-01, -1.11816406e-01, -8.98437500e-02,
         7.81250000e-03,  2.33398438e-01, -7.71484375e-02,  6.83593750e-02,
         2.28515625e-01,  1.11816406e-01, -6.75781250e-01,  6.17675781e-02,
         2.55859375e-01,  1.62109375e-01,  4.22363281e-02,  2.73437500e-01,
         2.10937500e-01,  6.93359375e-02,  6.59179688e-02, -2.17773438e-01,
        -6.10351562e-02,  6.39648438e-02,  1.52587891e-02,  2.13867188e-01,
        -1.55639648e-02,  6.73828125e-02, -9.13085938e-02, -1.72851562e-01,
         5.54199219e-02,  1.18652344e-01, -1.86523438e-01, -1.89453125e-01,
        -2.16796875e-01,  2.75878906e-02,  1.60156250e-01,  3.57421875e-01,
         1.53320312e-01,  4.82421875e-01,  1.14746094e-01, -1.79443359e-02,
         5.23437500e-01,  3.16406250e-01, -1.78222656e-02, -2.73437500e-01,
         1.31835938e-01, -8.66699219e-03,  2.18750000e-01,  1.16210938e-01,
         1.36718750e-01, -6.68945312e-02,  2.11914062e-01,  5.66406250e-02,
        -2.67578125e-01, -1.15234375e-01,  2.77343750e-01,  2.61718750e-01,
        -6.49414062e-02, -4.04296875e-01,  1.23046875e-01, -1.10839844e-01,
```

```
        -2.06054688e-01,  2.23632812e-01,  1.33789062e-01, -2.20703125e-01,
        -1.66015625e-01, -1.13281250e-01, -1.65039062e-01,  3.95507812e-02,
        -3.00781250e-01,  2.51953125e-01,  2.85156250e-01, -5.85937500e-02,
        -2.43164062e-01,  4.11987305e-03,  6.49414062e-02,  2.10937500e-01,
        -3.11279297e-02,  1.57226562e-01, -3.22265625e-01,  2.69531250e-01,
        -5.02929688e-02, -9.27734375e-02, -7.62939453e-03, -5.95703125e-02,
        -1.08398438e-01,  3.26171875e-01, -7.17773438e-02,  2.05078125e-01,
         1.32812500e-01, -2.22656250e-01,  2.53906250e-01, -1.18164062e-01,
        -7.86132812e-02,  1.14746094e-01, -1.30859375e-01, -9.22851562e-02,
        -3.06640625e-01,  1.84570312e-01, -5.14984131e-04, -5.24902344e-02,
        -8.59375000e-02, -3.50952148e-03,  1.84570312e-01,  1.19628906e-02,
        -7.61718750e-02,  4.76074219e-02, -8.20312500e-02, -8.69140625e-02,
         1.30615234e-02, -1.35742188e-01, -2.27539062e-01, -2.38037109e-03,
         1.12304688e-01, -2.50000000e-01, -4.43359375e-01, -1.74804688e-01,
         1.62109375e-01,  1.09375000e-01, -2.75390625e-01, -1.84570312e-01,
         1.15234375e-01, -1.51977539e-02, -1.42578125e-01, -3.93676758e-03,
        -1.58203125e-01,  3.63769531e-02,  3.49609375e-01, -2.06054688e-01,
        -1.91406250e-01, -1.04492188e-01, -1.92382812e-01, -1.39648438e-01,
        -2.66113281e-02, -2.33398438e-01,  6.48437500e-01, -6.93359375e-02,
         1.11694336e-02,  3.10546875e-01, -1.93359375e-01, -3.12500000e-01,
         1.68945312e-01,  4.33593750e-01,  4.71191406e-02, -2.98828125e-01,
        -1.14257812e-01, -1.58203125e-01, -4.45312500e-01,  1.84570312e-01,
         4.98046875e-02,  4.73632812e-02,  4.68750000e-01, -4.61425781e-02,
        -1.01074219e-01, -2.95410156e-02, -2.37304688e-01, -9.32617188e-02,
        -6.07910156e-02,  1.20605469e-01,  2.53906250e-01,  2.61718750e-01,
        -3.78417969e-02,  2.27050781e-02,  1.61132812e-01, -1.61132812e-01,
         9.27734375e-02, -1.41143799e-03,  3.35937500e-01, -1.83593750e-01,
         1.11328125e-01,  1.03515625e-01,  1.85546875e-01, -2.41699219e-0
2],
       dtype=float32),
 'ongoing': array([-0.02770996,  0.15429688, -0.2109375 ,  0.08544922, -0.1
7578125,
         0.18554688,  0.32617188, -0.171875  ,  0.18261719,  0.10986328,
        -0.2265625 ,  0.03540039,  0.15429688,  0.04760742, -0.05419922,
        -0.02612305,  0.0390625 , -0.18066406,  0.00219727,  0.05322266,
        -0.1328125 ,  0.04125977, -0.10009766,  0.06835938, -0.23632812,
        -0.15820312, -0.0234375 ,  0.02062988,  0.00946045, -0.17480469,
         0.2734375 , -0.16894531,  0.08398438, -0.13769531,  0.03149414,
         0.19238281, -0.01977539, -0.09912109,  0.25195312, -0.21679688,
         0.06835938,  0.09082031, -0.17285156, -0.00527954, -0.11962891,
        -0.08789062, -0.0378418 , -0.12597656, -0.05786133, -0.19433594,
         0.0201416 ,  0.03491211, -0.14257812,  0.11962891,  0.20214844,
         0.01940918, -0.10742188, -0.1796875 ,  0.17089844, -0.16503906,
        -0.15722656,  0.09570312, -0.05615234,  0.02722168, -0.02307129,
        -0.13671875, -0.06396484, -0.00466919, -0.11474609, -0.12890625,
        -0.16308594, -0.00686646,  0.10400391,  0.05957031,  0.08056641,
         0.00170135,  0.16503906, -0.00933838, -0.07128906,  0.09033203,
        -0.04394531,  0.04223633, -0.10058594, -0.17871094, -0.04370117,
        -0.04125977, -0.15332031,  0.234375  , -0.11181641,  0.03979492,
         0.3359375 , -0.15527344,  0.06445312, -0.11816406, -0.11523438,
         0.0111084 , -0.00231934,  0.13085938, -0.02246094, -0.0267334 ,
        -0.07177734,  0.09423828,  0.14746094, -0.21289062, -0.06689453,
        -0.05419922, -0.17382812, -0.06835938,  0.09619141, -0.06884766,
        -0.18066406, -0.02197266, -0.12792969, -0.20117188, -0.109375  ,
         0.08984375,  0.14160156, -0.12792969,  0.42578125,  0.1875    ,
        -0.02880859, -0.01519775, -0.08642578,  0.13378906, -0.02282715,
         0.18554688, -0.22363281, -0.1328125 ,  0.00723267,  0.19824219,
         0.07226562, -0.12353516, -0.38085938,  0.08496094, -0.06542969,
        -0.09228516,  0.21386719, -0.05737305,  0.23339844, -0.01989746,
         0.08984375,  0.10253906,  0.10351562,  0.20410156, -0.16894531,
        -0.15332031, -0.02502441,  0.01647949,  0.05200195,  0.00564575,
         0.11474609,  0.06689453,  0.0612793 , -0.10107422,  0.09423828,
        -0.06640625,  0.22167969, -0.17480469,  0.13671875,  0.02685547,
         0.00202942,  0.07666016,  0.01989746,  0.00558472, -0.00787354,
```

```
         0.20214844,  0.171875  , -0.08837891,  0.25585938,  0.06689453,
         0.03686523, -0.03442383,  0.13574219, -0.22070312,  0.18652344,
        -0.18066406, -0.02050781,  0.13378906, -0.01263428,  0.10986328,
        -0.03100586,  0.08984375,  0.06298828, -0.14550781, -0.04101562,
         0.18164062,  0.20019531,  0.18847656,  0.14648438,  0.10351562,
        -0.03881836, -0.0145874 ,  0.07421875, -0.13867188, -0.05151367,
        -0.06079102,  0.01025391,  0.15820312, -0.02648926, -0.03759766,
         0.12988281,  0.02441406, -0.11035156,  0.13867188,  0.24804688,
         0.10791016, -0.0456543 ,  0.10546875,  0.23144531,  0.00439453,
        -0.13769531,  0.14746094, -0.1640625 ,  0.21582031,  0.19042969,
        -0.15039062,  0.11474609,  0.07958984, -0.05786133, -0.06640625,
         0.046875  , -0.03344727, -0.05102539,  0.16113281, -0.02612305,
        -0.02258301,  0.00811768, -0.04711914,  0.20410156, -0.18847656,
        -0.00805664,  0.265625  , -0.1640625 ,  0.06298828, -0.08935547,
        -0.27539062,  0.12304688, -0.02282715,  0.29101562, -0.02294922,
        -0.17480469,  0.09423828,  0.00778198,  0.02026367, -0.08056641,
        -0.13769531, -0.02429199, -0.08642578, -0.05126953, -0.08496094,
        -0.02209473,  0.21972656,  0.12890625, -0.06542969, -0.02246094,
        -0.1640625 ,  0.31640625, -0.16894531, -0.19238281,  0.05053711,
         0.23730469,  0.08349609,  0.13964844,  0.18359375,  0.18066406,
         0.15917969, -0.26757812, -0.13183594, -0.05957031,  0.02661133,
         0.08886719,  0.17089844,  0.04199219,  0.04174805,  0.03613281,
        -0.06738281,  0.08398438, -0.09960938, -0.04736328, -0.09619141,
        -0.06054688, -0.0067749 ,  0.10839844,  0.10742188,  0.00270081,
        -0.11230469,  0.14257812,  0.12695312,  0.1875    , -0.15917969,
        -0.18261719, -0.01574707, -0.02929688,  0.02954102, -0.03515625,
        -0.078125  ,  0.06884766,  0.27148438,  0.01409912, -0.30078125],
       dtype=float32),
 'supervision': array([-3.43750000e-01, -2.06054688e-01,  2.40234375e-01, -
2.51953125e-01,
        -1.61132812e-02,  4.37011719e-02, -1.86767578e-02, -2.40234375e-01,
        -9.33837891e-03, -2.48046875e-01,  5.98144531e-02,  3.14941406e-02,
        -7.66601562e-02,  7.91015625e-02, -3.14453125e-01,  3.14453125e-01,
         3.17382812e-02, -2.64892578e-02, -2.53906250e-01, -2.79296875e-01,
         1.49414062e-01, -3.20312500e-01,  3.47656250e-01,  2.34375000e-01,
        -1.64794922e-02, -3.12500000e-01, -4.29687500e-02, -1.60156250e-01,
        -7.86132812e-02,  9.52148438e-03, -8.98437500e-02, -6.25000000e-01,
        -1.02539062e-01,  2.81250000e-01, -1.08032227e-02, -1.90429688e-01,
        -1.40625000e-01, -1.12792969e-01,  8.59375000e-02, -3.27148438e-02,
         4.63867188e-02, -1.25000000e-01, -2.61718750e-01, -1.41601562e-01,
         3.08837891e-02, -2.37304688e-01,  6.10351562e-02,  9.96093750e-02,
        -3.33984375e-01, -1.78710938e-01, -9.94873047e-03,  9.61914062e-02,
         1.62109375e-01,  2.08984375e-01,  6.29425049e-04,  6.44531250e-02,
         2.16796875e-01,  2.32421875e-01, -1.47460938e-01, -3.28125000e-01,
        -2.71484375e-01, -1.55273438e-01,  6.68945312e-02, -4.10156250e-02,
        -4.73632812e-02,  3.24707031e-02, -6.25000000e-02,  1.04980469e-01,
        -2.21679688e-01, -3.53515625e-01,  3.06640625e-01,  1.23291016e-02,
         2.81250000e-01,  5.93261719e-02,  1.30859375e-01, -7.42187500e-02,
        -7.41577148e-03,  4.10156250e-02,  2.55859375e-01,  7.37304688e-02,
         1.82617188e-01,  1.15234375e-01,  9.66796875e-02,  1.25976562e-01,
        -1.11328125e-01,  3.80859375e-01,  2.08007812e-01, -1.18164062e-01,
         1.54296875e-01, -5.15136719e-02,  1.39648438e-01, -7.99560547e-03,
         2.10937500e-01, -1.26953125e-01,  3.32031250e-02, -4.51660156e-02,
         4.68750000e-02, -2.26562500e-01, -1.28906250e-01, -2.13867188e-01,
         5.71289062e-02, -7.12890625e-02, -1.15234375e-01,  5.39550781e-02,
         2.09960938e-01, -3.86718750e-01,  5.10253906e-02, -1.01074219e-01,
        -1.65039062e-01,  1.09863281e-01,  9.52148438e-02,  4.51660156e-02,
        -3.18359375e-01, -1.87500000e-01, -7.95898438e-02, -1.01074219e-01,
        -4.78515625e-02,  8.54492188e-02, -4.66308594e-02,  1.68457031e-02,
        -3.59375000e-01,  1.39648438e-01, -1.19628906e-01,  4.31640625e-01,
         1.25976562e-01, -1.80664062e-01, -1.70898438e-02,  1.87500000e-01,
         1.57226562e-01,  2.40234375e-01, -1.78710938e-01,  1.02050781e-01,
        -1.74804688e-01,  1.06445312e-01, -1.62109375e-01, -1.71875000e-01,
         2.87109375e-01,  7.56835938e-02,  1.58203125e-01, -6.00585938e-02,
```

```
        -3.38745117e-03, -1.58203125e-01, -1.68945312e-01, -1.09375000e-01,
        -1.48315430e-02,  1.16210938e-01, -9.76562500e-03,  1.89453125e-01,
         5.66406250e-02,  5.44433594e-02,  1.49536133e-02, -1.05468750e-01,
         1.74560547e-02,  3.06640625e-01,  7.17773438e-02, -1.19628906e-01,
        -1.15234375e-01,  7.95898438e-02,  4.29687500e-02,  1.58691406e-02,
         2.39257812e-01,  2.85156250e-01, -7.32421875e-02,  3.92578125e-01,
        -2.63671875e-02, -3.24707031e-02,  4.56542969e-02,  8.39843750e-02,
         3.90625000e-02, -1.54296875e-01,  4.56542969e-02, -1.93359375e-01,
         7.12890625e-02, -6.64062500e-02,  1.85546875e-01, -1.26953125e-01,
         2.30468750e-01, -1.61132812e-01, -9.27734375e-02, -6.44531250e-02,
        -1.14257812e-01, -6.49414062e-02,  1.65039062e-01,  4.02832031e-02,
        -8.54492188e-02,  9.52148438e-02,  2.65625000e-01, -2.79296875e-01,
         2.35351562e-01,  1.41601562e-01, -1.47460938e-01, -1.12304688e-02,
        -3.02734375e-02,  1.20849609e-02, -3.71093750e-01, -7.51953125e-02,
        -1.27563477e-02, -2.63671875e-01, -1.76757812e-01, -2.37304688e-01,
        -7.66601562e-02,  2.69531250e-01,  2.62451172e-02, -4.27734375e-01,
         1.39648438e-01, -1.63085938e-01,  2.68554688e-02, -5.68847656e-02,
         1.05590820e-02, -7.37304688e-02,  7.32421875e-02, -2.67578125e-01,
         2.53906250e-01, -1.73828125e-01,  9.09423828e-03, -4.84375000e-01,
        -3.08227539e-03,  7.66601562e-02, -1.08398438e-01, -2.98828125e-01,
        -3.22265625e-02, -1.11328125e-01,  1.19140625e-01,  7.22656250e-02,
         1.51367188e-01, -2.25585938e-01,  2.12890625e-01,  1.66015625e-02,
         4.34570312e-02, -1.39648438e-01,  2.72216797e-02, -4.70703125e-01,
         1.11328125e-01, -3.97949219e-02, -7.95898438e-02,  3.07617188e-02,
         1.54296875e-01,  2.73437500e-02,  1.84570312e-01, -9.15527344e-03,
        -1.74804688e-01, -1.23046875e-01,  1.05957031e-01, -3.84765625e-01,
        -2.20947266e-02,  3.00598145e-03, -2.71484375e-01, -2.75878906e-02,
         3.20312500e-01, -2.71484375e-01, -4.69970703e-03,  3.46679688e-02,
        -2.50000000e-01,  1.56250000e-01,  2.89306641e-02,  1.39648438e-01,
        -1.08886719e-01, -5.59082031e-02,  6.44531250e-02,  2.38281250e-01,
         1.81640625e-01, -1.07910156e-01,  9.08203125e-02, -1.89453125e-01,
         1.75781250e-01,  1.99218750e-01, -1.92382812e-01, -1.97753906e-02,
        -3.78906250e-01,  2.53906250e-01, -1.11328125e-01,  9.61914062e-02,
         2.89062500e-01,  1.36718750e-01,  6.07910156e-02, -1.26953125e-01,
        -1.97753906e-02, -1.41601562e-01,  7.27539062e-02, -1.25122070e-02,
        -1.17187500e-01,  2.11914062e-01,  2.59765625e-01,  3.69140625e-01,
        -1.27929688e-01, -1.18652344e-01, -9.42382812e-02,  2.89062500e-01,
         3.39843750e-01, -4.39453125e-02, -6.60156250e-01,  2.10937500e-01,
         2.15820312e-01,  2.00195312e-01,  1.02539062e-01,  1.33789062e-01,
        -2.85156250e-01, -2.67578125e-01, -1.11816406e-01, -5.71289062e-0
2],
       dtype=float32),
 'technicians': array([-1.73828125e-01,  1.63574219e-02, -2.28271484e-02,
4.63867188e-03,
        -1.21582031e-01,  2.06054688e-01,  1.61132812e-02, -2.65625000e-01,
        -1.27929688e-01, -1.15722656e-01, -5.17578125e-02, -2.75878906e-02,
        -9.42382812e-02, -1.41601562e-01, -6.17675781e-02,  2.85156250e-01,
        -1.32812500e-01,  6.68945312e-02,  1.94335938e-01,  8.83789062e-02,
         4.37011719e-02,  8.74023438e-02, -2.18750000e-01, -9.08203125e-02,
         1.05957031e-01, -4.05273438e-02, -2.25585938e-01, -2.37304688e-01,
        -3.51562500e-02, -4.73632812e-02, -8.25195312e-02, -2.57812500e-01,
        -2.48046875e-01, -1.23046875e-01,  2.13867188e-01, -2.79296875e-01,
        -2.00195312e-01,  1.69921875e-01, -9.32617188e-02, -1.65039062e-01,
         5.51757812e-02, -1.45507812e-01, -8.85009766e-03, -2.24609375e-01,
        -3.39355469e-02, -1.22680664e-02, -3.22265625e-01,  2.61718750e-01,
         4.46777344e-02,  1.51367188e-01, -3.20312500e-01, -8.93554688e-02,
        -7.42187500e-02,  1.78710938e-01,  2.96630859e-02,  1.66992188e-01,
         2.18750000e-01,  9.76562500e-02, -3.20312500e-01,  1.29882812e-01,
         8.78906250e-02,  1.53320312e-01, -1.31835938e-01, -2.37304688e-01,
         1.77734375e-01,  3.24707031e-02, -3.36914062e-02,  2.00195312e-01,
         2.44140625e-02,  2.13623047e-02, -6.68945312e-02,  2.53906250e-01,
        -1.34765625e-01, -4.76074219e-02, -2.00195312e-01,  1.38671875e-01,
         2.24609375e-01, -1.33789062e-01,  9.68933105e-04, -3.45230103e-04,
         1.48437500e-01,  2.87109375e-01,  1.67968750e-01,  2.08740234e-02,
```

```
        -6.20117188e-02, -2.24609375e-01, -2.80761719e-02,  1.45507812e-01,
        -9.52148438e-02,  2.81250000e-01,  4.39453125e-03,  1.67236328e-02,
        -1.28906250e-01,  4.15039062e-02,  1.21093750e-01,  9.42382812e-02,
        -7.81250000e-02, -1.43554688e-01, -1.12152100e-03, -1.36718750e-01,
         3.86718750e-01, -3.75000000e-01, -1.11328125e-01, -2.63671875e-01,
         2.53906250e-02, -9.27734375e-03,  2.92968750e-03, -1.63085938e-01,
         3.35937500e-01, -2.00195312e-01, -2.57568359e-02,  1.12304688e-01,
        -1.20117188e-01,  5.66406250e-02,  1.45507812e-01,  1.41601562e-01,
        -4.46777344e-02, -1.61132812e-01, -3.12500000e-02, -1.84326172e-02,
        -2.50000000e-01, -1.18164062e-01, -3.14453125e-01, -1.08398438e-01,
         3.10546875e-01,  2.55859375e-01, -3.76953125e-01, -3.41796875e-01,
         1.09863281e-01,  4.78515625e-01, -8.59375000e-02,  1.33789062e-01,
         6.93359375e-02,  1.02233887e-03,  1.28906250e-01, -2.38281250e-01,
         4.63867188e-02,  1.78222656e-02, -2.21679688e-01, -4.32128906e-02,
         4.17480469e-02, -2.31445312e-01,  9.61914062e-02,  2.15820312e-01,
        -2.16064453e-02,  1.39648438e-01,  1.55639648e-02,  1.37939453e-02,
        -2.36816406e-02, -2.84423828e-02, -4.76074219e-02,  1.26953125e-01,
        -1.88476562e-01, -1.81884766e-02, -9.37500000e-02,  8.25195312e-02,
        -2.53906250e-01,  2.01171875e-01, -2.71484375e-01, -2.26562500e-01,
         1.41601562e-02,  3.66210938e-02, -3.02734375e-01, -9.96093750e-02,
         1.47460938e-01, -1.83593750e-01, -2.08740234e-02, -2.05078125e-01,
         1.88476562e-01, -2.08984375e-01,  1.64062500e-01,  1.77734375e-01,
         1.84570312e-01, -9.37500000e-02,  9.22851562e-02, -2.49023438e-01,
         3.36914062e-02, -7.81250000e-03, -4.16015625e-01, -1.38671875e-01,
        -1.46484375e-01, -1.65039062e-01, -1.41601562e-01, -2.98828125e-01,
        -5.27343750e-02,  2.85156250e-01,  1.97265625e-01,  7.71484375e-02,
         9.71679688e-02,  3.71093750e-01, -3.10546875e-01, -7.42187500e-02,
        -6.49414062e-02,  5.34667969e-02, -1.42578125e-01,  6.17675781e-02,
         2.18750000e-01, -1.46484375e-01, -2.18750000e-01, -1.03027344e-01,
         1.47460938e-01,  5.03906250e-01, -4.10156250e-01,  1.68945312e-01,
         3.34472656e-02, -1.23046875e-01, -7.22656250e-02, -2.92968750e-01,
         2.09960938e-01, -2.20703125e-01,  3.32031250e-01, -2.21679688e-01,
        -3.88671875e-01, -1.59912109e-02,  2.46093750e-01,  1.35742188e-01,
        -2.50244141e-03,  7.12890625e-02, -2.06054688e-01, -4.34570312e-02,
         6.29882812e-02, -1.77734375e-01, -9.86328125e-02,  1.38671875e-01,
         3.97949219e-02, -2.71484375e-01, -3.37890625e-01,  3.28063965e-03,
        -8.59375000e-02, -3.76953125e-01,  2.00195312e-02, -2.21679688e-01,
        -6.98242188e-02, -7.03125000e-02, -2.58789062e-02, -1.68457031e-02,
         1.88476562e-01,  1.00585938e-01, -1.09100342e-03, -1.68945312e-01,
         1.42578125e-01,  5.71289062e-02, -2.96875000e-01, -8.78906250e-02,
        -9.17968750e-02, -8.30078125e-02, -1.16699219e-01,  6.54296875e-02,
         9.32617188e-02, -8.10546875e-02, -3.71093750e-01,  2.19726562e-02,
        -1.76757812e-01, -3.61328125e-02, -1.08398438e-01, -2.31933594e-02,
         1.31835938e-01, -1.23046875e-01, -1.68945312e-01,  2.29492188e-02,
        -1.83593750e-01, -2.59765625e-01, -9.52148438e-03,  1.73828125e-01,
         1.30859375e-01,  1.11816406e-01,  1.36718750e-01, -1.06201172e-02,
         2.24609375e-02,  1.65039062e-01,  1.34277344e-02, -1.00097656e-01,
        -1.67968750e-01,  2.02148438e-01,  1.19628906e-01,  1.31835938e-01,
        -9.71679688e-02,  4.33349609e-03, -2.82287598e-03,  1.30462646e-03,
        -2.40234375e-01,  1.30859375e-01,  3.28125000e-01,  3.63281250e-01,
         9.71679688e-02, -1.15722656e-01,  1.33789062e-01, -2.50000000e-01,
         1.44531250e-01, -2.35595703e-02, -6.73828125e-02,  1.69921875e-01,
        -1.56250000e-01,  1.66015625e-01, -1.33789062e-01, -2.00195312e-02,
        -2.65625000e-01, -3.32031250e-02,  3.27148438e-02, -1.53320312e-0
1],
       dtype=float32),
 'bt': array([ 1.54296875e-01,  1.75781250e-01,  5.19531250e-01, -3.0273437
5e-01,
         5.66406250e-01,  4.66796875e-01, -1.89208984e-02, -3.14453125e-01,
         6.59179688e-02,  2.08007812e-01, -2.34375000e-01,  3.53515625e-01,
        -4.80468750e-01,  6.95312500e-01, -3.84765625e-01,  4.33593750e-01,
         5.42968750e-01,  4.17968750e-01, -4.82421875e-01, -3.28125000e-01,
        -1.77734375e-01, -5.90820312e-02,  2.49023438e-01, -1.72851562e-01,
         1.60156250e-01, -8.63281250e-01, -5.82031250e-01, -1.46484375e-01,
```

```
-9.45312500e-01, -2.31445312e-01, -8.78906250e-01,  1.46484375e-01,
-6.60156250e-01, -6.60156250e-01, -5.33461571e-06, -5.39062500e-01,
-2.20703125e-01,  5.46875000e-01, -3.65234375e-01,  2.77343750e-01,
 3.45703125e-01, -1.83593750e-01,  3.14453125e-01,  2.77099609e-02,
-1.62109375e-01, -8.20312500e-01,  6.29882812e-02, -4.90234375e-01,
-9.08203125e-02,  5.88378906e-02, -4.88281250e-01,  1.03906250e+00,
 6.64062500e-01, -3.00781250e-01, -3.33984375e-01, -8.59375000e-02,
-5.54687500e-01,  1.00585938e-01,  7.14843750e-01, -3.39843750e-01,
 1.06933594e-01, -2.67578125e-01,  1.79687500e-01, -3.20312500e-01,
-1.12792969e-01,  3.68652344e-02,  2.87109375e-01, -8.85009766e-03,
 4.00390625e-01,  1.19628906e-01,  3.35937500e-01, -3.51562500e-01,
-4.35546875e-01, -1.49414062e-01, -8.08593750e-01,  2.53295898e-03,
-4.47265625e-01, -1.86523438e-01,  4.06250000e-01, -4.15039062e-02,
-1.74804688e-01,  3.12500000e-01, -9.57031250e-02,  4.21875000e-01,
 4.64843750e-01, -1.70898438e-01, -4.55078125e-01,  5.15625000e-01,
-1.49414062e-01,  3.39843750e-01,  3.75000000e-01, -2.60009766e-02,
 1.40991211e-02,  5.82031250e-01, -2.41210938e-01, -2.28515625e-01,
-1.13281250e-01,  1.94335938e-01,  1.36718750e-01, -1.87500000e-01,
 5.70312500e-01,  2.07031250e-01, -3.51562500e-01,  2.51953125e-01,
-6.34765625e-03, -1.12304688e-01,  1.87500000e-01,  1.81640625e-01,
-2.85156250e-01,  3.49609375e-01,  6.05468750e-01, -2.55859375e-01,
-1.94091797e-02, -7.07031250e-01,  4.00390625e-02,  2.85156250e-01,
 5.07812500e-02, -1.26953125e-01,  6.09375000e-01,  4.49218750e-02,
 5.07812500e-01,  6.87500000e-01, -9.08203125e-02, -1.01074219e-01,
 1.80664062e-01, -1.08398438e-01, -2.16064453e-02,  2.50244141e-02,
 1.25976562e-01, -9.38415527e-04,  1.82617188e-01, -8.93554688e-02,
-1.47094727e-02, -8.88671875e-02, -3.12500000e-01,  4.49218750e-01,
-8.11767578e-03,  3.04687500e-01, -3.88671875e-01,  4.37500000e-01,
 1.38549805e-02,  1.75781250e-01,  5.15625000e-01, -5.19531250e-01,
-3.76953125e-01,  5.15625000e-01, -4.62890625e-01,  1.29882812e-01,
-8.91113281e-03, -5.07812500e-02,  3.39843750e-01, -7.57812500e-01,
 2.67333984e-02, -2.19726562e-01, -1.78710938e-01, -3.46679688e-02,
-2.40234375e-01,  2.55859375e-01,  5.24902344e-02, -1.36718750e-01,
 8.44726562e-02,  2.89062500e-01,  5.19531250e-01, -3.55468750e-01,
 2.09960938e-01,  3.45703125e-01,  2.81250000e-01,  3.71093750e-01,
-2.48046875e-01, -2.20703125e-01,  3.61328125e-01,  1.68945312e-01,
 2.50000000e-01,  9.22851562e-02, -4.58984375e-01,  7.85156250e-01,
 3.30078125e-01,  6.52343750e-01,  4.12597656e-02,  1.59179688e-01,
-4.00390625e-01, -2.96875000e-01,  1.81640625e-01,  6.68945312e-02,
-4.00390625e-01, -2.96875000e-01,  8.51562500e-01, -2.50000000e-01,
-1.18164062e-01,  4.08203125e-01, -4.95605469e-02, -7.26562500e-01,
-4.04296875e-01,  5.07812500e-01,  1.78710938e-01,  2.40478516e-02,
 4.57031250e-01, -5.02929688e-02,  4.08203125e-01, -3.71093750e-01,
 2.26562500e-01,  1.19140625e-01,  5.85937500e-01, -1.96289062e-01,
 1.01562500e-01,  2.43164062e-01, -4.76074219e-02,  7.91015625e-02,
-1.64062500e-01, -1.25000000e-01,  1.26953125e-02, -2.92968750e-01,
 4.94140625e-01,  4.39453125e-01,  3.73046875e-01, -5.89843750e-01,
-9.27734375e-02, -1.42669678e-03,  5.00000000e-01, -5.00000000e-01,
-4.41406250e-01,  5.35156250e-01,  1.25976562e-01,  2.14843750e-01,
-5.19531250e-01,  2.89306641e-02,  1.78222656e-02, -5.50781250e-01,
-1.46484375e-01, -1.88476562e-01,  2.92968750e-01,  2.26562500e-01,
 1.09863281e-01,  8.30078125e-02,  5.54687500e-01,  5.98144531e-02,
 1.58203125e-01,  3.56445312e-02,  7.34375000e-01,  3.02734375e-02,
-2.36816406e-02,  1.77734375e-01,  5.19531250e-01,  5.15625000e-01,
-3.90625000e-03,  1.57226562e-01, -4.33593750e-01,  8.04687500e-01,
-5.46875000e-01,  6.48437500e-01,  4.72656250e-01,  6.28906250e-01,
 1.52343750e-01,  6.88476562e-02,  9.84375000e-01,  3.59375000e-01,
-2.73437500e-02,  1.95312500e-01, -4.02343750e-01, -6.01562500e-01,
 6.25000000e-02,  6.25000000e-01,  4.12109375e-01, -2.25585938e-01,
-1.24023438e-01,  2.50000000e-01,  1.31835938e-01,  2.69531250e-01,
 5.23437500e-01,  5.46875000e-01, -2.57812500e-01, -1.49536133e-03,
-3.12805176e-03, -2.30468750e-01, -2.21679688e-01, -3.24218750e-01,
-1.17187500e+00, -5.15625000e-01, -1.71875000e-01,  1.30859375e-01,
-2.61718750e-01,  3.08593750e-01, -8.67187500e-01, -3.78906250e-01,
```

```
         9.76562500e-02,  6.83593750e-01,  3.75000000e-01,  3.04687500e-01,
         1.30859375e-01,  3.06640625e-01,  5.73730469e-02,  8.15429688e-02,
         1.45263672e-02, -4.48608398e-03, -6.56250000e-01, -4.14062500e-01,
        -2.96875000e-01, -3.49609375e-01,  1.10351562e-01,  2.96875000e-0
1],
       dtype=float32),
 'relates': array([-1.48773193e-04, -5.95703125e-02,  2.36328125e-01, -2.01
171875e-01,
        -1.40625000e-01,  4.07714844e-02,  2.94921875e-01, -8.88671875e-02,
         1.47460938e-01, -5.95703125e-02, -1.36718750e-01, -1.47460938e-01,
        -4.15039062e-03,  1.88476562e-01,  6.93359375e-02, -1.73339844e-02,
         1.45507812e-01,  2.01171875e-01, -7.12890625e-02, -4.76074219e-02,
        -2.42187500e-01,  8.42285156e-03, -1.66015625e-01,  1.50390625e-01,
         9.61914062e-02, -1.18408203e-02, -5.29785156e-02,  2.00195312e-01,
         1.55639648e-02,  3.43750000e-01,  1.85546875e-01, -1.73828125e-01,
         3.34472656e-02,  2.08984375e-01,  6.49414062e-02, -1.63085938e-01,
        -1.96289062e-01,  1.05468750e-01,  2.26562500e-01, -5.76171875e-02,
         9.39941406e-03,  1.83593750e-01,  1.51824951e-03,  2.19726562e-01,
        -2.66113281e-02, -1.62109375e-01,  1.27563477e-02, -2.13867188e-01,
         1.34277344e-02, -3.45703125e-01, -1.03515625e-01, -2.11914062e-01,
         1.01562500e-01, -2.30468750e-01,  2.86865234e-02,  1.01562500e-01,
        -3.07617188e-02,  2.77709961e-03,  2.42187500e-01, -1.90429688e-01,
         5.17578125e-02,  4.51660156e-03, -9.47265625e-02, -9.37500000e-02,
         8.49609375e-02, -2.47802734e-02, -2.42187500e-01,  4.97436523e-03,
        -8.49609375e-02, -1.78710938e-01, -4.39453125e-03, -3.41796875e-01,
         2.18750000e-01,  3.56445312e-02, -4.39453125e-02, -2.25585938e-01,
         7.12890625e-02,  3.10546875e-01, -1.06445312e-01,  3.43750000e-01,
        -1.15722656e-01, -9.57031250e-02,  5.34667969e-02,  4.05273438e-02,
         9.76562500e-02, -2.53906250e-01, -1.85546875e-01,  1.58203125e-01,
        -6.59179688e-02,  1.73828125e-01,  2.89062500e-01, -2.95410156e-02,
        -6.29882812e-02,  3.71093750e-02,  8.30078125e-02, -1.44531250e-01,
        -1.30462646e-03, -7.50732422e-03, -1.47705078e-02,  4.10156250e-02,
         6.44531250e-02, -6.34765625e-02, -1.98242188e-01, -8.88824463e-04,
        -2.17773438e-01, -2.43164062e-01, -1.85546875e-01,  2.17285156e-02,
        -9.22851562e-02, -1.81640625e-01, -1.33789062e-01, -6.39648438e-02,
         6.07299805e-03,  1.47460938e-01,  5.83496094e-02,  1.68945312e-01,
         1.23535156e-01,  8.15429688e-02,  9.13085938e-02,  2.28515625e-01,
        -9.66796875e-02, -4.17480469e-02, -1.88476562e-01, -5.27343750e-02,
        -7.81250000e-02, -2.89306641e-02,  3.64303589e-04,  1.17675781e-01,
        -1.09100342e-03,  2.29492188e-01, -1.66015625e-01, -2.21679688e-01,
        -4.37500000e-01,  7.66601562e-02,  4.19921875e-02, -5.88378906e-02,
         1.35742188e-01,  6.12792969e-02,  7.71484375e-02, -1.72851562e-01,
         3.92578125e-01,  2.35351562e-01,  1.34765625e-01,  1.01562500e-01,
        -1.64062500e-01,  1.24511719e-01, -1.75781250e-01, -3.71093750e-02,
        -2.06054688e-01,  1.77734375e-01,  3.75000000e-01,  9.76562500e-02,
         2.46582031e-02,  1.80664062e-01, -1.30859375e-01,  1.04980469e-01,
         5.68847656e-02,  6.10351562e-04,  1.12304688e-01,  2.63671875e-02,
         3.39843750e-01,  6.83593750e-02, -9.42382812e-02, -2.47802734e-02,
         7.66601562e-02,  1.43554688e-01,  2.73437500e-02, -1.34765625e-01,
         8.39843750e-02,  9.13085938e-02,  5.27343750e-02, -1.22680664e-02,
         2.73437500e-01, -1.37695312e-01,  6.46972656e-03,  1.65039062e-01,
         1.25976562e-01, -1.72119141e-02,  3.71093750e-02,  7.86132812e-02,
        -7.03125000e-02,  1.78710938e-01, -1.95312500e-01, -2.24609375e-01,
        -2.00195312e-01,  1.26953125e-01, -1.98242188e-01,  1.93359375e-01,
         6.00585938e-02,  2.04101562e-01,  1.30859375e-01,  1.06933594e-01,
         6.64062500e-02, -6.34765625e-03,  1.23046875e-01,  1.49414062e-01,
        -2.49023438e-01, -3.80859375e-02,  1.00585938e-01, -9.82666016e-03,
         9.32617188e-02, -1.64062500e-01, -1.47460938e-01, -1.40991211e-02,
        -3.35937500e-01,  1.50390625e-01, -1.59179688e-01,  1.93359375e-01,
         1.51367188e-01, -8.34960938e-02,  1.19140625e-01,  4.63867188e-02,
         3.95507812e-02, -5.02929688e-02, -1.15722656e-01, -1.89208984e-02,
         2.67578125e-01,  1.78222656e-02,  2.83203125e-02, -1.36718750e-01,
        -4.15039062e-02,  1.27929688e-01,  6.59179688e-02, -9.03320312e-02,
         1.26953125e-01,  1.05957031e-01,  4.39453125e-02, -3.73535156e-02,
```

```
        -6.54296875e-02,  9.22851562e-02, -1.54418945e-02,  4.37011719e-02,
        -1.07421875e-01,  1.77734375e-01, -1.09375000e-01, -1.21093750e-01,
         8.10546875e-02, -1.30653381e-04,  3.56445312e-02,  5.63964844e-02,
        -1.56250000e-02,  1.18652344e-01,  2.59765625e-01,  4.61425781e-02,
        -1.67968750e-01, -1.78710938e-01, -2.37304688e-01,  2.44140625e-01,
         7.37304688e-02, -1.40625000e-01,  1.15722656e-01,  1.96289062e-01,
         1.13769531e-01, -1.03027344e-01, -1.01074219e-01, -2.15820312e-01,
        -1.67968750e-01,  1.04003906e-01, -8.85009766e-03, -1.02539062e-01,
        -1.03027344e-01, -1.55273438e-01,  8.91113281e-03, -1.43554688e-01,
        -1.15234375e-01,  1.93359375e-01,  4.76074219e-02, -2.65625000e-01,
        -4.29687500e-02, -2.40234375e-01, -1.95312500e-01,  1.89208984e-02,
        -1.69677734e-02, -1.34277344e-02,  1.67968750e-01, -2.11914062e-01,
        -8.30078125e-02, -1.73828125e-01, -3.33984375e-01, -1.49414062e-01,
         1.29699707e-03, -6.29882812e-02, -1.71875000e-01, -2.56347656e-02,
         1.50390625e-01, -5.76171875e-02, -1.05957031e-01,  2.08984375e-01,
        -4.93164062e-02, -9.91210938e-02, -2.46093750e-01,  6.12792969e-02,
        -9.76562500e-02,  1.08886719e-01,  4.34570312e-02,  8.54492188e-03,
         2.36816406e-02,  2.74658203e-03,  6.54296875e-02,  2.00195312e-0
2],
       dtype=float32),
 'implementation': array([-0.20214844,  0.06201172, -0.07470703,  0.2929687
5,  0.08984375,
        -0.10888672,  0.14941406, -0.21191406,  0.1953125 ,  0.3203125 ,
        -0.09033203,  0.00205994, -0.08984375, -0.11474609, -0.19921875,
        -0.07080078,  0.09423828, -0.23535156, -0.31054688,  0.04882812,
        -0.18554688,  0.24414062,  0.09570312,  0.31445312,  0.12060547,
         0.06494141,  0.01135254, -0.36523438,  0.01208496, -0.11669922,
        -0.140625  , -0.171875  , -0.07666016, -0.0402832 , -0.02783203,
        -0.03491211,  0.03979492, -0.13183594,  0.15527344, -0.20410156,
         0.09179688,  0.04443359,  0.29101562,  0.18554688, -0.07763672,
        -0.35546875, -0.25585938, -0.18652344, -0.09228516,  0.17871094,
         0.16113281, -0.12597656, -0.06494141, -0.12890625,  0.07373047,
         0.20703125, -0.078125  , -0.14941406,  0.03344727,  0.015625  ,
        -0.31054688, -0.15625   , -0.11376953, -0.00958252,  0.03613281,
         0.32617188, -0.109375  ,  0.18261719,  0.03881836,  0.06982422,
        -0.01049805,  0.05932617,  0.15136719,  0.1640625 ,  0.20703125,
        -0.29101562,  0.06738281,  0.01123047, -0.07226562,  0.31835938,
         0.01269531,  0.09179688, -0.13085938,  0.01843262,  0.1328125 ,
        -0.04907227, -0.02392578, -0.14453125,  0.15429688, -0.06542969,
         0.16503906, -0.38476562,  0.16015625, -0.09619141, -0.01464844,
        -0.10693359, -0.20507812, -0.09228516,  0.11621094,  0.33203125,
         0.12695312, -0.03466797,  0.05297852, -0.02087402, -0.08154297,
         0.12207031, -0.10595703,  0.17089844,  0.15527344, -0.03540039,
        -0.01904297, -0.05419922, -0.359375  , -0.05322266,  0.20605469,
         0.20410156, -0.18652344, -0.13476562,  0.32617188, -0.125     ,
        -0.14257812,  0.23730469, -0.13476562, -0.05029297,  0.03466797,
         0.07910156, -0.30078125, -0.00338745, -0.15722656,  0.1484375 ,
        -0.05541992,  0.17382812, -0.07861328, -0.13378906, -0.29492188,
         0.07080078,  0.03198242, -0.04907227,  0.08398438,  0.15136719,
         0.03271484,  0.06982422, -0.25195312,  0.13378906, -0.07373047,
         0.02966309, -0.06884766, -0.05151367, -0.03125   ,  0.12158203,
         0.265625  , -0.03979492,  0.09375   ,  0.07128906,  0.21191406,
        -0.17285156,  0.03637695,  0.11767578, -0.06933594, -0.13085938,
         0.12792969, -0.09033203, -0.07275391, -0.17285156, -0.3046875 ,
         0.10400391,  0.06347656, -0.03564453,  0.04907227, -0.11425781,
         0.09326172, -0.03881836,  0.03344727, -0.14648438,  0.22460938,
        -0.06445312,  0.13085938, -0.10986328,  0.12792969,  0.10302734,
        -0.23339844, -0.06103516,  0.32617188, -0.06030273,  0.13671875,
         0.13476562, -0.32617188,  0.11181641, -0.09863281,  0.11865234,
        -0.2734375 , -0.06030273, -0.11865234, -0.05639648,  0.07128906,
         0.10302734,  0.01953125, -0.11230469,  0.3984375 , -0.2578125 ,
        -0.12255859,  0.05859375,  0.00708008, -0.09472656, -0.0071106 ,
        -0.05322266, -0.00933838, -0.04931641,  0.35351562,  0.21289062,
         0.13378906,  0.04150391,  0.02770996,  0.21386719, -0.19628906,
```

```
         0.10888672,  0.25585938, -0.14453125,  0.03930664,  0.05493164,
        -0.08154297, -0.07666016,  0.3046875 ,  0.2109375 , -0.04541016,
        -0.15039062,  0.23046875,  0.03686523,  0.10449219, -0.02832031,
         0.00646973,  0.15429688, -0.05981445, -0.0625    , -0.14648438,
        -0.06738281, -0.00205994,  0.17382812,  0.2109375 , -0.17285156,
        -0.24414062, -0.00300598, -0.13183594, -0.11914062, -0.03063965,
        -0.41992188, -0.34375   ,  0.08105469, -0.06225586,  0.16210938,
        -0.12109375,  0.34375   , -0.16308594,  0.05078125, -0.01397705,
        -0.08642578,  0.04760742, -0.08496094, -0.03320312,  0.05883789,
         0.09277344, -0.04711914,  0.12890625, -0.07080078,  0.00176239,
        -0.03466797, -0.10058594, -0.19628906, -0.53125   ,  0.10546875,
         0.02368164, -0.25390625, -0.10839844,  0.22265625, -0.11083984,
         0.12402344, -0.10742188,  0.30273438, -0.06494141, -0.12255859,
         0.04614258,  0.08544922,  0.21191406,  0.37304688,  0.03222656,
         0.01611328, -0.20605469, -0.06787109,  0.1328125 , -0.06176758,
        -0.34375   ,  0.04614258,  0.10400391, -0.02050781,  0.11035156,
         0.35351562, -0.01403809, -0.02307129, -0.12402344,  0.16699219],
       dtype=float32),
 'documentation': array([-2.50000000e-01, -6.44531250e-02, -1.86523438e-01,
-3.02734375e-01,
         7.29370117e-03,  1.95312500e-01,  2.08007812e-01,  1.52343750e-01,
         1.01562500e-01, -2.49023438e-01, -1.31225586e-02, -5.98144531e-02,
        -2.43164062e-01,  2.13867188e-01, -1.11328125e-01,  4.37011719e-02,
         3.33984375e-01,  2.31933594e-02, -3.30078125e-01, -3.33984375e-01,
         1.08886719e-01, -1.43554688e-01,  4.19921875e-02,  1.37695312e-01,
         1.06201172e-02,  8.98437500e-02, -2.12890625e-01, -1.13769531e-01,
        -9.09423828e-03, -1.77734375e-01,  7.93457031e-03, -2.29492188e-01,
        -1.08398438e-01,  6.20117188e-02, -1.94335938e-01,  6.00585938e-02,
         1.40625000e-01,  8.83789062e-02,  1.86523438e-01, -2.39257812e-01,
         3.41796875e-02,  1.39770508e-02, -5.12695312e-02,  1.31835938e-01,
         2.00195312e-02, -1.62109375e-01, -1.88476562e-01,  8.60595703e-03,
        -2.28515625e-01,  1.94335938e-01, -1.05285645e-03, -2.89062500e-01,
        -6.98242188e-02, -2.96875000e-01, -2.00195312e-01,  2.19726562e-01,
         4.10156250e-02, -1.50390625e-01,  8.44726562e-02, -1.78710938e-01,
        -1.50146484e-02,  1.12304688e-02, -2.53906250e-01, -1.16699219e-01,
        -8.93554688e-02,  6.68945312e-02, -1.71875000e-01, -1.17187500e-01,
        -2.61718750e-01, -1.71875000e-01,  2.61718750e-01, -1.06201172e-02,
        -2.03857422e-02, -1.40625000e-01,  5.44433594e-02,  1.94335938e-01,
         5.05371094e-02, -7.20214844e-03,  7.66601562e-02,  2.48046875e-01,
        -1.57165527e-03, -2.67333984e-02, -1.98242188e-01, -7.42187500e-02,
         1.51367188e-01, -9.61914062e-02,  4.83398438e-02,  1.84570312e-01,
         2.18750000e-01,  5.68847656e-02,  4.17480469e-02, -4.62532043e-05,
         1.27929688e-01, -1.65039062e-01,  1.41601562e-01, -2.09960938e-01,
        -2.05078125e-01,  1.26953125e-01,  1.45507812e-01, -3.73535156e-02,
        -2.19726562e-01, -6.78710938e-02, -2.39257812e-02,  1.16210938e-01,
         1.11694336e-02, -1.37329102e-03, -2.24609375e-02, -1.38671875e-01,
         2.47070312e-01, -1.29882812e-01,  6.16455078e-03,  1.17797852e-02,
        -5.93261719e-02,  5.85937500e-02, -2.24609375e-01,  9.42382812e-02,
        -1.88476562e-01,  9.13085938e-02,  3.06640625e-01, -2.28271484e-02,
        -2.69531250e-01, -5.59082031e-02,  1.66992188e-01, -1.06445312e-01,
         3.45703125e-01,  2.05078125e-01, -2.55859375e-01, -8.39843750e-02,
        -9.57031250e-02,  4.54101562e-02, -2.03125000e-01, -5.49316406e-02,
        -5.37109375e-02, -9.17968750e-02, -1.70898438e-02, -2.08984375e-01,
        -9.71679688e-02, -2.34375000e-01, -1.08398438e-01,  1.81640625e-01,
        -1.11328125e-01,  1.05468750e-01,  1.27929688e-01,  1.80664062e-01,
        -1.37695312e-01, -7.91015625e-02,  3.39355469e-02,  1.89453125e-01,
        -2.03125000e-01, -8.49609375e-02,  4.22363281e-02,  1.26953125e-01,
         8.05664062e-03,  9.66796875e-02,  9.81445312e-02, -8.25195312e-02,
        -3.08593750e-01,  1.41143799e-03, -1.81640625e-01,  1.14257812e-01,
        -2.24609375e-02,  8.00781250e-02, -1.24023438e-01,  1.55273438e-01,
        -7.56835938e-02,  2.65502930e-03,  2.11181641e-02, -3.32031250e-02,
        -1.44531250e-01, -8.25195312e-02,  1.85394287e-03,  2.28515625e-01,
         4.97436523e-03, -1.29882812e-01,  3.73046875e-01, -2.81250000e-01,
         8.59375000e-02, -1.62109375e-01, -7.14111328e-03, -1.67968750e-01,
```

```
        -2.43164062e-01, -2.42187500e-01, -1.36718750e-01, -2.02148438e-01,
         1.79687500e-01,  8.30078125e-02, -1.44531250e-01, -7.61718750e-02,
         1.66015625e-02,  1.75781250e-01,  2.22167969e-02, -1.52343750e-01,
        -6.29882812e-02, -4.54101562e-02,  4.17480469e-02, -8.66699219e-03,
         1.84570312e-01, -2.24609375e-01, -3.41796875e-02, -1.91406250e-01,
         1.03515625e-01,  2.46093750e-01, -2.25585938e-01, -5.73730469e-03,
         1.30859375e-01,  7.22656250e-02, -4.00390625e-02,  7.91015625e-02,
         4.64843750e-01, -9.09423828e-03,  3.24218750e-01,  3.93066406e-02,
         2.23388672e-02, -1.94091797e-02, -2.31445312e-01,  1.01562500e-01,
         2.71484375e-01,  3.92578125e-01,  9.47265625e-02, -3.47656250e-01,
        -9.76562500e-02,  1.14257812e-01, -1.67968750e-01, -8.00781250e-02,
        -8.30078125e-02, -2.75390625e-01,  9.81445312e-02,  2.92968750e-01,
         2.03125000e-01, -1.36718750e-01, -9.91210938e-02,  4.68750000e-02,
        -2.03857422e-02, -2.59765625e-01, -2.98828125e-01, -1.17187500e-01,
         3.28125000e-01,  1.67968750e-01,  2.55859375e-01, -2.83203125e-01,
        -5.02929688e-02, -1.92382812e-01, -4.32128906e-02,  7.22656250e-02,
        -1.86767578e-02, -1.03759766e-02,  1.10839844e-01,  1.97265625e-01,
         1.51367188e-01, -1.17675781e-01,  1.03149414e-02,  1.82617188e-01,
        -2.15820312e-01,  7.91015625e-02, -1.35742188e-01, -2.63671875e-01,
        -3.63769531e-02,  4.95605469e-02, -1.14257812e-01,  3.54003906e-02,
         3.22265625e-01, -9.81445312e-02, -1.77734375e-01, -2.49023438e-01,
         6.93359375e-02,  9.61914062e-02, -2.01416016e-02, -1.29882812e-01,
        -1.66015625e-01, -1.81640625e-01,  1.40625000e-01,  1.86523438e-01,
         2.51953125e-01,  1.95312500e-01,  1.47094727e-02, -7.08007812e-02,
        -1.94335938e-01, -7.61718750e-02,  8.91113281e-03, -1.44531250e-01,
         4.68750000e-02,  1.31835938e-02,  1.64062500e-01,  1.34765625e-01,
        -4.46777344e-02,  6.83593750e-02,  2.50000000e-01,  2.24609375e-01,
         1.35742188e-01, -1.74560547e-02, -6.39648438e-02,  1.06445312e-01,
        -5.98144531e-02,  1.46484375e-01,  1.08398438e-01,  4.57031250e-01,
        -3.32031250e-02, -3.73046875e-01, -3.51562500e-02,  1.90429688e-0
2],
       dtype=float32),
 'associated': array([ 8.39843750e-02,  2.01171875e-01,  8.00781250e-02,
1.08398438e-01,
        -5.81054688e-02,  2.63671875e-01,  1.30615234e-02,  2.64892578e-02,
         2.18750000e-01,  9.96093750e-02, -7.95898438e-02, -2.55859375e-01,
        -1.91406250e-01,  8.69140625e-02, -1.88476562e-01, -1.00097656e-01,
        -7.17773438e-02, -9.21630859e-03,  2.87109375e-01, -2.20703125e-01,
        -2.04101562e-01, -9.76562500e-02, -1.91406250e-01,  1.28784180e-02,
        -1.25976562e-01, -7.22656250e-02, -1.31835938e-01,  2.08007812e-01,
        -2.16796875e-01, -1.94335938e-01,  3.49609375e-01, -1.39648438e-01,
         1.14257812e-01,  1.12792969e-01,  2.58789062e-02, -3.12500000e-02,
         5.07812500e-02, -2.06054688e-01,  3.71093750e-02, -7.56835938e-02,
         1.47460938e-01,  1.66015625e-01, -7.26318359e-03,  1.42578125e-01,
         2.83203125e-02, -1.97265625e-01, -1.48437500e-01, -1.38549805e-02,
        -1.57226562e-01, -1.52343750e-01, -8.34960938e-02, -2.43164062e-01,
        -2.02148438e-01, -2.67578125e-01,  1.58203125e-01, -1.89453125e-01,
         6.16455078e-03, -1.39648438e-01,  4.12109375e-01,  7.17773438e-02,
         6.25610352e-03, -6.83593750e-02, -2.24609375e-01,  1.13281250e-01,
        -3.19824219e-02,  6.25000000e-02, -1.66015625e-01,  1.86523438e-01,
        -7.03125000e-02, -7.03125000e-02,  1.00585938e-01, -1.16699219e-01,
        -2.66113281e-02, -2.16796875e-01, -1.83593750e-01, -3.35937500e-01,
         2.31933594e-02,  1.74804688e-01, -1.35742188e-01,  4.55078125e-01,
        -3.49121094e-02, -1.73828125e-01, -1.09863281e-01, -1.16699219e-01,
        -3.10058594e-02, -3.30078125e-01, -7.95898438e-02,  1.41601562e-01,
        -1.70898438e-01,  1.29882812e-01,  1.48437500e-01, -3.90625000e-02,
         1.60156250e-01,  7.81250000e-02,  1.03515625e-01, -1.50146484e-02,
         1.42578125e-01,  1.83105469e-02,  5.61523438e-02,  1.92382812e-01,
         5.95092773e-03,  9.08203125e-02, -2.68554688e-02,  7.53784180e-03,
        -9.32617188e-02, -8.05664062e-02, -9.32617188e-02, -2.70996094e-02,
         2.75390625e-01, -2.11914062e-01, -1.43554688e-01, -4.54101562e-02,
         1.92382812e-01, -6.34765625e-02, -5.17578125e-02,  1.56250000e-01,
         3.27148438e-02, -5.17578125e-02,  1.75781250e-02,  3.20312500e-01,
        -1.02539062e-02, -5.76782227e-03, -6.83593750e-02, -1.11328125e-01,
```

```
         1.32812500e-01,  1.55273438e-01,  1.06933594e-01,  7.51953125e-02,
         1.70898438e-01,  3.37890625e-01,  1.16210938e-01, -1.32812500e-01,
        -7.71484375e-02,  2.88085938e-02, -2.46093750e-01, -1.10839844e-01,
         1.53320312e-01,  1.58203125e-01,  1.87500000e-01, -1.32812500e-01,
        -4.34570312e-02, -1.23901367e-02, -1.43554688e-01,  2.44140625e-01,
         7.47070312e-02,  5.06591797e-03, -4.19921875e-02,  8.64257812e-02,
        -2.44140625e-01,  3.04687500e-01,  6.01196289e-03, -2.20947266e-02,
        -3.07083130e-04,  4.24804688e-02, -1.64062500e-01, -4.19921875e-02,
        -1.69921875e-01, -3.66210938e-02,  1.93359375e-01,  4.54101562e-02,
         2.17773438e-01,  1.65039062e-01, -1.53320312e-01,  1.89453125e-01,
         1.80664062e-01,  2.05078125e-02,  9.94873047e-03,  1.21582031e-01,
         8.66699219e-03,  7.32421875e-02, -1.10839844e-01, -2.75390625e-01,
         1.99218750e-01, -7.51953125e-02, -1.27929688e-01,  9.27734375e-02,
        -4.90722656e-02,  4.37011719e-02, -4.94384766e-03, -4.73022461e-03,
        -8.10546875e-02,  1.57226562e-01,  7.47680664e-03, -5.40161133e-03,
        -1.80664062e-01,  8.34960938e-02, -2.36816406e-02, -1.14746094e-02,
        -4.95605469e-02,  2.75390625e-01, -2.94921875e-01,  1.29882812e-01,
        -2.14843750e-01, -7.08007812e-02, -2.81250000e-01,  2.48046875e-01,
        -3.01513672e-02,  1.24023438e-01,  9.76562500e-02, -3.69140625e-01,
         2.59765625e-01,  9.66796875e-02,  6.03027344e-02, -3.35937500e-01,
        -1.74560547e-02, -4.98046875e-02, -2.08984375e-01, -6.05468750e-02,
         2.11914062e-01,  8.10546875e-02,  6.93359375e-02, -1.75781250e-01,
         1.15966797e-02,  1.90429688e-01,  1.32812500e-01, -1.82617188e-01,
        -1.29394531e-02,  3.29589844e-02,  2.07519531e-02, -3.12500000e-01,
        -1.02539062e-01,  1.47705078e-02,  8.98437500e-02, -9.03320312e-02,
         1.06933594e-01,  2.67028809e-03,  7.17773438e-02, -1.69921875e-01,
         6.22558594e-02, -8.05664062e-02,  8.10546875e-02,  1.96289062e-01,
        -7.37304688e-02,  2.08984375e-01, -2.83203125e-01, -1.28906250e-01,
         8.59375000e-02, -8.10546875e-02,  1.38671875e-01, -1.25000000e-01,
        -2.08984375e-01, -3.61328125e-01,  9.91210938e-02,  9.17968750e-02,
        -8.59375000e-02, -1.62109375e-01, -1.09863281e-01,  2.31445312e-01,
         1.07910156e-01, -1.20605469e-01,  1.79687500e-01,  1.77734375e-01,
        -1.08032227e-02,  1.08642578e-02,  1.26953125e-02, -1.57226562e-01,
        -1.45507812e-01, -7.47070312e-02, -1.01562500e-01, -1.14257812e-01,
        -7.61718750e-02, -5.12695312e-02, -5.46264648e-03, -2.67333984e-02,
        -3.63769531e-02, -8.23974609e-03, -1.14746094e-01,  8.30078125e-02,
         9.42382812e-02,  5.49316406e-02, -1.84570312e-01,  1.55273438e-01,
         1.75781250e-02, -2.98828125e-01,  1.58203125e-01, -3.08593750e-01,
        -3.29589844e-02, -1.01562500e-01, -1.49414062e-01, -1.71875000e-01,
        -1.42578125e-01,  1.04980469e-01, -1.76757812e-01, -1.61132812e-01,
         3.39355469e-02,  1.10351562e-01,  2.27539062e-01, -1.00097656e-01,
        -1.45507812e-01, -4.02343750e-01,  2.83203125e-02,  1.35742188e-01,
         7.56835938e-02,  1.78710938e-01, -5.12695312e-02, -6.00585938e-02,
         1.70898438e-01,  1.21582031e-01,  7.17163086e-03,  2.21679688e-0
1],
       dtype=float32),
 'plans': array([ 0.15234375,  0.21484375,  0.30273438,  0.00057602,  0.001
40381,
        -0.09179688,  0.09619141,  0.02233887,  0.00897217, -0.16699219,
        -0.14453125,  0.07861328, -0.08300781, -0.37695312, -0.04833984,
         0.07519531,  0.03857422,  0.14746094, -0.01757812,  0.0145874 ,
        -0.10009766,  0.15625   ,  0.0625    ,  0.11230469, -0.11669922,
         0.15917969,  0.14453125,  0.22265625, -0.125     ,  0.09765625,
         0.22070312,  0.14355469, -0.14257812, -0.27539062, -0.04614258,
         0.14550781,  0.28515625,  0.07226562,  0.05932617, -0.203125  ,
         0.05395508, -0.1171875 ,  0.02404785,  0.06347656, -0.04736328,
        -0.2578125 , -0.04272461, -0.05834961, -0.13476562,  0.08105469,
        -0.0014801 ,  0.02087402,  0.03540039,  0.3671875 ,  0.0279541 ,
        -0.05908203, -0.1796875 , -0.11669922,  0.23242188, -0.01202393,
         0.12597656,  0.03173828, -0.04174805, -0.0859375 , -0.02380371,
         0.05639648,  0.25195312,  0.22363281, -0.04199219,  0.01745605,
        -0.14746094,  0.00946045,  0.03759766,  0.28515625, -0.07275391,
        -0.12988281,  0.01708984,  0.11279297, -0.1171875 , -0.05004883,
         0.33007812, -0.07958984, -0.1015625 ,  0.10888672,  0.11865234,
```

```
        -0.11523438, -0.17578125,  0.20214844,  0.2578125 ,  0.13476562,
         0.25390625, -0.19335938, -0.02087402, -0.20898438, -0.13867188,
        -0.09814453, -0.02807617, -0.35742188, -0.08105469,  0.12451172,
        -0.0168457 ,  0.08544922, -0.04785156,  0.10253906, -0.04980469,
         0.05664062,  0.09814453, -0.00915527,  0.02539062,  0.10791016,
         0.06494141, -0.04077148,  0.03027344, -0.11132812,  0.05566406,
        -0.03027344, -0.11279297, -0.10546875,  0.23242188,  0.08886719,
         0.01550293,  0.01141357,  0.125     ,  0.06738281,  0.19921875,
        -0.01239014,  0.05126953, -0.13574219, -0.15136719,  0.00823975,
        -0.17382812,  0.08740234,  0.0456543 , -0.21386719,  0.03686523,
         0.07373047, -0.00216675,  0.11523438,  0.02624512,  0.19140625,
        -0.03271484, -0.09667969,  0.12792969,  0.04907227,  0.20605469,
        -0.01660156, -0.06347656,  0.01013184, -0.08642578,  0.0534668 ,
        -0.02294922,  0.04858398,  0.20507812, -0.10302734, -0.00494385,
         0.125     ,  0.10546875,  0.14160156, -0.05786133,  0.03149414,
         0.07617188,  0.03857422,  0.18945312,  0.18066406, -0.08447266,
         0.0222168 ,  0.29296875, -0.00689697,  0.14257812, -0.40820312,
         0.17871094, -0.06591797, -0.07568359,  0.04418945,  0.26757812,
        -0.09619141,  0.20214844,  0.012146  , -0.00946045,  0.23046875,
        -0.2890625 , -0.02050781, -0.19042969,  0.01806641,  0.14746094,
        -0.30273438,  0.12695312,  0.02844238,  0.21972656,  0.0546875 ,
        -0.171875  , -0.09228516, -0.10400391,  0.04907227, -0.22167969,
         0.07714844,  0.04931641,  0.08740234,  0.20996094, -0.11523438,
         0.02050781, -0.00488281,  0.24023438,  0.10644531,  0.08105469,
         0.16503906,  0.2421875 ,  0.02124023,  0.10595703,  0.06933594,
        -0.00964355,  0.03417969, -0.16992188,  0.11865234,  0.10400391,
         0.06640625,  0.17480469,  0.11328125, -0.11865234,  0.11816406,
        -0.00393677, -0.04638672, -0.01611328,  0.08154297,  0.07421875,
        -0.21191406, -0.24609375,  0.07910156,  0.00787354, -0.08105469,
         0.04589844,  0.05419922,  0.20800781,  0.06689453,  0.32421875,
         0.05444336,  0.18066406, -0.20605469,  0.04492188, -0.06494141,
        -0.01330566, -0.06152344,  0.02587891, -0.0456543 ,  0.00750732,
         0.01806641,  0.08007812,  0.06542969,  0.18554688, -0.11621094,
        -0.09765625,  0.04956055,  0.11767578, -0.09130859,  0.01904297,
         0.00506592,  0.03173828,  0.10253906, -0.18847656,  0.13476562,
         0.03979492,  0.03759766, -0.27929688,  0.15429688, -0.05078125,
         0.2265625 , -0.13671875,  0.00205994, -0.08251953,  0.11035156,
         0.07128906,  0.15917969,  0.26953125, -0.02355957,  0.06982422,
        -0.07617188,  0.18945312,  0.02026367, -0.10839844, -0.07470703,
        -0.07128906,  0.03710938, -0.10888672,  0.17480469,  0.10595703,
        -0.04003906,  0.0168457 ,  0.12890625,  0.3359375 , -0.07324219,
        -0.28125   , -0.06298828, -0.07568359, -0.04296875, -0.00411987,
        -0.06982422,  0.25390625, -0.14257812, -0.03271484, -0.13769531],
       dtype=float32),
 'treatment': array([-0.24023438,  0.37890625,  0.08105469,  0.13378906,
0.10839844,
         0.21875   ,  0.10742188, -0.4453125 , -0.10498047, -0.10253906,
        -0.16015625, -0.0859375 ,  0.07714844,  0.20507812, -0.01733398,
         0.17480469,  0.02368164,  0.09472656,  0.02612305,  0.03540039,
         0.18457031,  0.07519531,  0.1328125 , -0.02209473, -0.19726562,
        -0.16894531, -0.33398438,  0.10791016, -0.16503906, -0.13867188,
        -0.13867188, -0.02526855, -0.40039062, -0.02978516, -0.41601562,
         0.13964844,  0.05224609, -0.06298828,  0.0050354 , -0.21289062,
         0.06445312,  0.02514648, -0.04321289, -0.15917969, -0.09082031,
        -0.07861328,  0.03686523, -0.05273438, -0.2734375 ,  0.02600098,
         0.05395508, -0.03393555, -0.09375   , -0.10839844,  0.0255127 ,
        -0.19824219, -0.10205078,  0.26171875, -0.1328125 , -0.00976562,
        -0.11816406,  0.14648438,  0.05126953, -0.27539062, -0.03271484,
         0.25      ,  0.17675781, -0.01586914, -0.00509644, -0.13964844,
        -0.11083984, -0.07421875,  0.22949219,  0.12988281,  0.04931641,
        -0.14453125, -0.03320312,  0.00512695,  0.11376953,  0.34960938,
        -0.07910156, -0.06298828, -0.14941406,  0.09228516, -0.04272461,
        -0.03955078, -0.22851562, -0.03881836,  0.171875  , -0.31445312,
         0.27929688,  0.16796875,  0.14257812,  0.30078125,  0.06494141,
```

```
        -0.1015625 ,  0.16210938, -0.14648438,  0.25976562,  0.09472656,
         0.17382812, -0.09082031,  0.2265625 ,  0.01147461,  0.02502441,
        -0.01782227,  0.03295898, -0.27148438,  0.13574219, -0.11279297,
         0.04077148,  0.10302734,  0.00358582,  0.08007812, -0.04663086,
        -0.24902344, -0.01269531, -0.06201172,  0.11914062,  0.19042969,
        -0.29101562, -0.06445312, -0.04467773, -0.12011719,  0.12695312,
        -0.21386719, -0.05664062, -0.06201172,  0.12402344, -0.04541016,
         0.04003906, -0.24121094, -0.04833984, -0.20507812, -0.22265625,
        -0.29296875,  0.19824219, -0.08056641,  0.09326172, -0.00335693,
         0.02111816,  0.13964844, -0.15429688,  0.05810547,  0.20117188,
        -0.08349609,  0.0612793 ,  0.00628662, -0.36914062, -0.27539062,
         0.2109375 , -0.20800781,  0.05102539,  0.03808594,  0.21484375,
        -0.23730469, -0.06787109, -0.11669922,  0.10302734, -0.25195312,
         0.03564453,  0.4609375 , -0.07958984,  0.12011719, -0.37695312,
        -0.17285156,  0.03564453, -0.14453125, -0.00534058, -0.078125  ,
         0.24804688, -0.16992188, -0.13964844,  0.10400391,  0.11083984,
        -0.20703125,  0.046875  , -0.2578125 , -0.33789062,  0.02050781,
        -0.0559082 ,  0.0546875 ,  0.02709961, -0.02380371, -0.06347656,
        -0.05834961,  0.03662109, -0.10058594,  0.05712891,  0.05664062,
        -0.17578125, -0.12255859,  0.0625    ,  0.05102539,  0.0612793 ,
        -0.04711914, -0.13769531, -0.09033203, -0.05078125, -0.00616455,
        -0.02868652,  0.06933594,  0.28320312,  0.0255127 , -0.0546875 ,
        -0.18066406, -0.05175781,  0.140625  ,  0.16308594, -0.13671875,
         0.00811768,  0.03369141, -0.13183594, -0.08398438,  0.19433594,
        -0.05712891,  0.1953125 ,  0.0612793 , -0.10888672, -0.20996094,
        -0.10888672,  0.10791016,  0.18457031, -0.02600098,  0.20996094,
        -0.0213623 , -0.06591797, -0.12109375, -0.28710938,  0.28710938,
        -0.0050354 ,  0.07519531, -0.10986328, -0.25976562, -0.05810547,
        -0.18359375, -0.17773438,  0.06005859,  0.09619141, -0.00817871,
         0.11181641, -0.08984375,  0.17480469, -0.11132812,  0.11914062,
         0.04199219,  0.02990723,  0.18554688, -0.04101562, -0.01794434,
         0.27539062, -0.06005859,  0.2421875 ,  0.02600098,  0.09912109,
         0.2734375 , -0.10253906,  0.04248047, -0.17382812, -0.00056076,
         0.05932617, -0.11328125, -0.38671875,  0.00695801,  0.2265625 ,
        -0.05639648, -0.01623535, -0.19433594, -0.15722656,  0.09863281,
         0.08935547,  0.02075195,  0.14160156, -0.10302734,  0.10693359,
        -0.06298828, -0.30273438,  0.01025391, -0.05761719,  0.06298828,
         0.26367188,  0.12304688,  0.22851562,  0.0201416 , -0.10400391,
         0.12060547,  0.08496094,  0.01696777, -0.06640625, -0.06835938,
        -0.15429688, -0.02941895,  0.21875   ,  0.1953125 ,  0.11865234,
         0.22851562, -0.203125  ,  0.2578125 ,  0.29101562,  0.14550781],
       dtype=float32),
 'hour': array([-2.15820312e-01,  1.43432617e-02, -7.91015625e-02,  1.93359
375e-01,
        -2.29492188e-02,  2.04101562e-01,  9.76562500e-02, -2.07031250e-01,
         5.81054688e-02,  1.51367188e-01, -3.05175781e-03,  1.45507812e-01,
         2.28515625e-01, -1.25976562e-01,  3.73535156e-02,  4.06250000e-01,
         7.17773438e-02,  8.54492188e-02,  2.83203125e-01,  1.86523438e-01,
        -2.35351562e-01,  4.41894531e-02, -1.52343750e-01,  1.30859375e-01,
        -1.00585938e-01,  7.51953125e-02,  3.88183594e-02,  4.78515625e-02,
         1.48437500e-01,  1.43554688e-01, -1.80664062e-01, -9.61914062e-02,
        -1.19140625e-01, -9.52148438e-02,  5.59082031e-02, -8.10546875e-02,
        -1.16699219e-01, -1.02539062e-01, -3.02734375e-01,  5.85937500e-03,
        -3.75976562e-02, -1.41601562e-01,  2.36328125e-01, -2.10937500e-01,
        -3.47656250e-01, -6.88476562e-02, -1.00097656e-01,  8.44726562e-02,
         5.12695312e-02, -1.38671875e-01, -1.00708008e-02, -2.08984375e-01,
        -6.88476562e-02,  1.17675781e-01,  1.16699219e-01,  1.12792969e-01,
         7.37304688e-02, -1.06445312e-01, -6.88476562e-02, -5.98144531e-02,
        -2.05078125e-02, -5.66406250e-02, -2.04101562e-01, -3.65234375e-01,
         9.91210938e-02,  7.42187500e-02, -2.26562500e-01, -1.71875000e-01,
        -9.64355469e-03, -1.94091797e-02, -2.39257812e-01,  2.25585938e-01,
        -1.34765625e-01, -5.83496094e-02, -1.66015625e-01, -1.87500000e-01,
         2.92968750e-03, -4.41894531e-02,  9.91210938e-02, -1.16210938e-01,
         2.41699219e-02,  6.29882812e-02, -1.67968750e-01,  6.68945312e-02,
```

```
        -1.55273438e-01,  1.97265625e-01,  3.22341919e-04,  6.88476562e-02,
         9.47265625e-02,  1.79687500e-01, -6.59179688e-02,  1.96289062e-01,
        -1.30859375e-01,  1.67236328e-02, -3.51562500e-01, -2.12890625e-01,
        -4.95605469e-02, -4.58984375e-02,  3.83300781e-02, -7.71484375e-02,
         2.44140625e-01, -5.34667969e-02, -9.91210938e-02, -3.51562500e-02,
        -2.84423828e-02, -1.96289062e-01, -3.51562500e-02, -1.48437500e-01,
        -1.31835938e-02, -2.37304688e-01,  2.45117188e-01, -6.44531250e-02,
         1.41601562e-01, -5.32226562e-02, -1.15722656e-01,  1.97753906e-02,
         1.64062500e-01, -2.03125000e-01,  5.83496094e-02,  1.15722656e-01,
        -1.93359375e-01, -2.43164062e-01,  3.01513672e-02,  1.19140625e-01,
         4.68750000e-02,  9.57031250e-02,  6.03027344e-02,  2.77099609e-02,
         2.22656250e-01,  4.19921875e-01, -1.09863281e-01, -2.85156250e-01,
         1.05957031e-01,  1.08886719e-01, -2.25585938e-01,  8.00781250e-02,
        -7.95898438e-02, -2.12890625e-01, -1.05957031e-01,  1.06445312e-01,
         1.51367188e-01, -2.67578125e-01, -3.75976562e-02, -7.99560547e-03,
        -1.22070312e-01, -3.90625000e-02, -1.56250000e-02, -1.68945312e-01,
        -5.85937500e-02, -1.93359375e-01,  1.68945312e-01,  1.80664062e-01,
         9.96093750e-02, -1.67968750e-01,  1.77734375e-01, -2.98828125e-01,
        -3.43322754e-03, -1.33789062e-01, -6.78710938e-02,  1.39770508e-02,
        -1.19140625e-01, -1.84326172e-02,  2.38281250e-01, -8.11767578e-03,
        -3.61328125e-02,  1.80664062e-01,  3.10058594e-02, -7.66601562e-02,
         1.73828125e-01, -2.29492188e-01, -4.51660156e-02, -1.26953125e-01,
        -6.73828125e-02, -4.27246094e-02, -1.03515625e-01, -3.43750000e-01,
        -3.00781250e-01,  3.28125000e-01, -7.81250000e-02, -8.25195312e-02,
         2.14843750e-02, -5.76171875e-02,  9.08203125e-02,  7.56835938e-02,
         1.54296875e-01,  1.20605469e-01,  1.88476562e-01, -4.73022461e-04,
         1.39648438e-01, -2.45117188e-01,  1.78222656e-02,  4.73632812e-02,
         3.61328125e-02, -1.00097656e-01, -2.11914062e-01,  1.30004883e-02,
        -9.27734375e-02, -2.92968750e-02, -2.79296875e-01,  3.85742188e-02,
         1.90429688e-02,  1.08398438e-01, -1.65039062e-01,  1.25976562e-01,
         5.15625000e-01, -1.20605469e-01, -7.12890625e-02,  2.65625000e-01,
         2.30468750e-01,  1.07421875e-01, -2.74658203e-02, -1.80664062e-01,
        -2.75390625e-01,  4.76074219e-02, -4.39453125e-02,  1.42578125e-01,
         1.00585938e-01, -2.09960938e-02, -3.12500000e-01,  1.10351562e-01,
         1.32812500e-01,  5.10253906e-02,  2.61718750e-01, -9.22851562e-02,
         3.34472656e-02, -1.20605469e-01,  2.83203125e-01,  1.82617188e-01,
        -9.27734375e-02, -1.36718750e-01,  3.24218750e-01, -3.76953125e-01,
        -1.07421875e-02, -1.73828125e-01, -5.43212891e-03, -3.24707031e-02,
         1.44531250e-01, -4.07714844e-02,  6.00585938e-02, -1.53320312e-01,
         2.14843750e-02,  2.41699219e-02,  1.39648438e-01, -3.98437500e-01,
        -5.76171875e-02, -1.57226562e-01, -2.50000000e-01,  4.34570312e-02,
         1.54876709e-03, -8.25195312e-02,  1.78710938e-01,  2.43164062e-01,
         3.05175781e-02,  2.00195312e-01,  2.30712891e-02, -7.95898438e-02,
         1.01562500e-01, -1.94335938e-01, -8.17871094e-03,  1.01928711e-02,
        -1.92382812e-01, -2.95410156e-02,  2.85156250e-01, -8.83789062e-02,
        -6.34765625e-03,  2.56347656e-02,  2.10937500e-01,  4.85839844e-02,
        -1.75781250e-01,  4.32128906e-02,  2.47802734e-02, -6.59179688e-02,
         5.88378906e-02,  5.63964844e-02,  2.14843750e-01, -1.14746094e-01,
        -9.86328125e-02, -1.30859375e-01,  6.98242188e-02,  7.32421875e-03,
         4.71191406e-02,  1.49536133e-02, -1.38671875e-01,  1.01074219e-01,
        -1.20849609e-02, -4.41894531e-02,  3.85742188e-02,  8.20312500e-02,
         4.46777344e-02,  1.99218750e-01,  9.57031250e-02, -1.17187500e-01,
        -2.02148438e-01, -3.93066406e-02, -1.42578125e-01, -2.07031250e-01,
        -2.65625000e-01,  9.91210938e-02, -1.52343750e-01, -8.44726562e-0
2],
       dtype=float32),
 'per': array([ 0.01928711, -0.26367188,  0.00772095,  0.3046875 , -0.05688
477,
         0.26953125, -0.01055908,  0.14257812,  0.19824219, -0.10546875,
        -0.25      , -0.09912109,  0.11669922,  0.10986328, -0.05688477,
         0.01141357, -0.12060547, -0.16699219,  0.12597656, -0.09570312,
        -0.35351562, -0.01245117, -0.23046875,  0.14160156, -0.13378906,
         0.13769531,  0.04956055,  0.2734375 , -0.05371094, -0.01049805,
        -0.08837891, -0.12695312,  0.09472656, -0.11767578, -0.08837891,
```

```
        -0.11816406, -0.1875    ,  0.08691406,  0.00811768,  0.25390625,
         0.05444336, -0.046875  ,  0.02893066, -0.02648926, -0.09472656,
        -0.22167969,  0.06054688,  0.18847656,  0.01965332, -0.02929688,
         0.14550781, -0.13085938,  0.16894531,  0.03515625, -0.26367188,
        -0.09619141, -0.12402344, -0.08105469,  0.13769531,  0.05541992,
        -0.0859375 ,  0.01019287, -0.171875  , -0.16015625,  0.28125   ,
        -0.08496094, -0.00765991, -0.03491211,  0.12304688,  0.24511719,
         0.04492188, -0.14257812,  0.19433594,  0.12109375, -0.11328125,
        -0.29492188,  0.10839844, -0.0612793 ,  0.09277344,  0.05859375,
         0.13378906, -0.18261719, -0.15429688,  0.21679688, -0.05493164,
         0.13476562,  0.02478027,  0.25      ,  0.04223633, -0.03857422,
         0.19824219,  0.26953125, -0.16796875, -0.3046875 ,  0.05859375,
        -0.01867676, -0.01434326, -0.00668335, -0.06835938,  0.20410156,
         0.39453125, -0.24414062, -0.13476562,  0.01165771,  0.17675781,
         0.13574219,  0.16308594,  0.01373291, -0.10400391, -0.09912109,
         0.15234375, -0.05859375, -0.07470703,  0.13378906,  0.15527344,
         0.13378906,  0.05541992, -0.20605469,  0.06738281,  0.16015625,
         0.08984375, -0.13964844,  0.08789062,  0.12695312, -0.00151825,
         0.09326172,  0.00640869,  0.04248047,  0.06494141,  0.22558594,
        -0.03735352, -0.06640625, -0.09423828,  0.20214844,  0.00576782,
        -0.17675781,  0.03710938, -0.01977539, -0.16894531,  0.23144531,
         0.04956055, -0.07714844, -0.12304688,  0.03881836,  0.08007812,
        -0.140625  ,  0.20507812, -0.10205078,  0.17382812,  0.00294495,
         0.30664062, -0.11523438, -0.20019531, -0.2109375 , -0.09130859,
        -0.0234375 ,  0.18554688,  0.11816406, -0.16113281, -0.10644531,
        -0.06298828,  0.14453125,  0.28515625, -0.01367188, -0.25      ,
         0.16894531,  0.24414062, -0.07177734, -0.18457031, -0.27734375,
        -0.453125  , -0.13183594, -0.00872803, -0.04931641, -0.16308594,
        -0.20410156,  0.0324707 , -0.00248718, -0.08398438, -0.08886719,
        -0.09716797,  0.01098633,  0.14941406,  0.4765625 , -0.05834961,
         0.19238281,  0.16894531,  0.1640625 ,  0.10595703,  0.07324219,
         0.1328125 ,  0.03393555, -0.2734375 , -0.06176758, -0.14160156,
         0.20214844,  0.03540039,  0.01989746, -0.14355469, -0.10449219,
        -0.08984375,  0.16992188,  0.01055908,  0.19335938,  0.07861328,
        -0.10107422, -0.12792969, -0.10546875,  0.13183594, -0.02514648,
         0.03491211, -0.02600098,  0.02587891,  0.04516602,  0.00270081,
         0.42382812,  0.18847656,  0.14355469, -0.12402344, -0.05078125,
        -0.09326172,  0.41015625,  0.03088379, -0.12255859,  0.09423828,
        -0.23925781, -0.13476562, -0.0456543 ,  0.32617188,  0.00445557,
        -0.11816406, -0.30078125,  0.29101562,  0.0324707 , -0.15429688,
        -0.07763672,  0.07617188, -0.40625   , -0.06298828,  0.17285156,
        -0.06176758,  0.09277344,  0.24609375, -0.11865234, -0.06835938,
         0.12988281, -0.30859375, -0.03955078, -0.09667969, -0.25585938,
         0.19140625,  0.03173828,  0.07373047,  0.14257812,  0.1328125 ,
         0.07226562,  0.02392578, -0.27929688,  0.00115204, -0.1875    ,
         0.27539062,  0.00408936, -0.18652344,  0.12255859,  0.02246094,
        -0.13671875,  0.22265625,  0.07910156, -0.02905273, -0.01953125,
         0.07128906, -0.15625   ,  0.05224609,  0.02526855,  0.34570312,
         0.09570312, -0.49414062,  0.13671875,  0.08056641, -0.00183105,
        -0.07128906,  0.08886719,  0.00219727,  0.125     , -0.06787109,
        -0.06933594, -0.02709961,  0.125     , -0.04467773, -0.08300781,
        -0.05664062, -0.27929688, -0.09033203,  0.00408936, -0.13769531,
         0.29882812, -0.04736328, -0.19433594,  0.0625    , -0.19140625],
       dtype=float32),
 'week': array([-0.02258301,  0.18457031, -0.10839844, -0.05908203, -0.0217
2852,
        -0.00878906,  0.04760742, -0.14648438,  0.19921875,  0.18359375,
         0.00970459,  0.08935547,  0.17285156, -0.03466797, -0.05053711,
         0.13085938, -0.07421875,  0.00358582, -0.09521484, -0.04931641,
         0.12158203,  0.078125  , -0.15722656, -0.18066406, -0.10693359,
         0.06884766,  0.3125    ,  0.08105469,  0.05786133,  0.14257812,
         0.11279297, -0.00683594,  0.08203125, -0.07080078, -0.0534668 ,
         0.02954102, -0.16699219, -0.17871094, -0.19726562,  0.04638672,
         0.02514648, -0.1875    ,  0.15820312,  0.14160156, -0.22265625,
```

```
        -0.00248718, -0.02172852,  0.09423828,  0.07519531,  0.08007812,
         0.10253906, -0.20019531, -0.16796875,  0.00674438, -0.02929688,
         0.07568359,  0.06494141, -0.06787109,  0.15722656, -0.09423828,
        -0.16699219,  0.17578125, -0.05566406,  0.08349609, -0.00421143,
         0.05297852,  0.00982666,  0.0201416 ,  0.12158203,  0.04248047,
        -0.00405884, -0.05419922,  0.03930664,  0.24023438,  0.06738281,
         0.04370117,  0.03686523,  0.08007812,  0.1875    ,  0.03588867,
        -0.0168457 , -0.19433594, -0.05883789,  0.03295898,  0.06298828,
        -0.09033203, -0.20996094, -0.11914062, -0.01721191,  0.11816406,
         0.23144531,  0.29882812, -0.18554688, -0.25390625, -0.26757812,
        -0.22070312,  0.04516602,  0.15527344,  0.0324707 , -0.13574219,
         0.17675781, -0.04467773, -0.06933594, -0.04736328, -0.14648438,
        -0.25976562, -0.10839844,  0.03662109, -0.08105469, -0.17089844,
         0.0378418 ,  0.08203125,  0.25976562,  0.0300293 ,  0.11816406,
        -0.09375   ,  0.2578125 ,  0.09716797,  0.10253906, -0.03125   ,
        -0.00308228, -0.1484375 , -0.04541016, -0.13574219,  0.08544922,
         0.02368164,  0.06005859, -0.08984375,  0.01263428, -0.12109375,
        -0.19726562, -0.19335938,  0.0324707 , -0.20898438, -0.13574219,
        -0.13867188,  0.05981445,  0.11572266, -0.13964844,  0.1171875 ,
         0.1796875 , -0.12451172,  0.10644531, -0.07763672, -0.06982422,
         0.06640625,  0.00747681, -0.16503906, -0.16894531, -0.19824219,
         0.06640625,  0.10449219, -0.06054688, -0.07324219,  0.17773438,
        -0.16992188,  0.00236511, -0.22949219, -0.04663086,  0.12792969,
         0.09228516,  0.08398438,  0.11474609,  0.07373047,  0.09570312,
        -0.10009766,  0.14648438, -0.13964844,  0.13183594, -0.05810547,
         0.08447266,  0.04052734, -0.16796875, -0.11083984,  0.03637695,
        -0.15332031, -0.05224609,  0.04907227, -0.04003906,  0.07373047,
        -0.22460938,  0.04589844,  0.01403809,  0.08007812,  0.21679688,
         0.171875  ,  0.01025391, -0.09130859,  0.15332031, -0.18457031,
         0.19726562, -0.02050781,  0.08740234, -0.01464844, -0.27929688,
         0.06982422,  0.08886719,  0.01531982, -0.13183594,  0.05175781,
        -0.01586914,  0.03979492,  0.05224609,  0.13671875,  0.1796875 ,
        -0.04321289, -0.03808594,  0.16796875,  0.14648438, -0.13085938,
         0.17675781, -0.08544922, -0.06591797,  0.01062012, -0.19140625,
        -0.01403809,  0.10644531, -0.12304688, -0.22851562,  0.14550781,
         0.02929688,  0.05541992,  0.10449219, -0.07519531, -0.12304688,
        -0.234375  ,  0.03637695,  0.12890625, -0.1484375 , -0.04833984,
         0.00259399, -0.0703125 ,  0.02685547,  0.02868652,  0.04638672,
         0.03637695,  0.04003906,  0.11328125, -0.00576782, -0.10595703,
         0.05908203,  0.06176758,  0.07666016, -0.20507812, -0.0067749 ,
        -0.07910156,  0.06054688,  0.09667969,  0.00793457,  0.06982422,
        -0.17285156,  0.14257812, -0.0112915 ,  0.01977539,  0.1015625 ,
         0.16601562,  0.15429688,  0.06347656,  0.09130859,  0.04663086,
         0.1328125 , -0.00178528,  0.09765625, -0.07763672,  0.23828125,
         0.140625  ,  0.12597656,  0.21875   ,  0.03125   ,  0.04541016,
         0.04418945,  0.14160156,  0.15527344,  0.06884766, -0.00921631,
        -0.05224609, -0.00631714, -0.12792969, -0.01501465, -0.08789062,
        -0.10791016,  0.06542969, -0.04882812,  0.14160156,  0.17578125,
        -0.22167969, -0.22460938,  0.09863281,  0.09082031,  0.07910156,
         0.00082016, -0.06933594, -0.14746094, -0.09765625,  0.10791016,
        -0.12451172, -0.10644531,  0.07275391,  0.03759766, -0.09765625],
       dtype=float32),
 'position': array([-9.71679688e-02,  2.49023438e-02, -4.07714844e-02, -6.0
5468750e-02,
        -1.64062500e-01, -2.42187500e-01, -4.30297852e-03, -1.66015625e-01,
         6.03027344e-02,  9.13085938e-02,  6.17675781e-02, -9.22851562e-02,
         1.08032227e-02, -1.09863281e-01, -2.44140625e-01,  6.07910156e-02,
        -2.47802734e-02,  1.35742188e-01,  1.86523438e-01, -4.08935547e-03,
         1.63085938e-01,  9.88769531e-03, -4.42504883e-03,  3.24707031e-02,
        -1.90429688e-02, -3.80859375e-02, -2.67578125e-01,  1.24511719e-01,
        -1.88476562e-01,  2.23632812e-01,  1.16210938e-01,  1.53320312e-01,
         6.10351562e-02,  9.37500000e-02,  1.24511719e-01,  1.85546875e-01,
        -2.62451172e-03,  2.10937500e-01,  3.46679688e-02, -2.47070312e-01,
         4.56542969e-02, -1.99218750e-01, -2.97851562e-02, -1.93359375e-01,
```

```
-9.03320312e-02,  4.21142578e-03, -1.72119141e-02,  7.56835938e-02,
-9.76562500e-02, -4.12597656e-02, -4.39453125e-02, -1.93359375e-01,
-1.67083740e-03, -3.36914062e-02,  3.93066406e-02, -1.04522705e-03,
 2.73437500e-02,  1.35742188e-01,  1.30004883e-02, -1.37695312e-01,
-8.59375000e-02,  1.63085938e-01, -3.24218750e-01, -5.90820312e-02,
-1.67968750e-01,  1.01928711e-02, -1.62353516e-02,  1.66992188e-01,
 4.78515625e-02,  1.21459961e-02,  2.41699219e-02,  4.22363281e-02,
 1.42578125e-01, -5.44433594e-02, -1.86523438e-01, -1.39648438e-01,
 1.63085938e-01, -5.32226562e-02,  1.35742188e-01, -2.50244141e-02,
 2.21679688e-01, -3.12500000e-02,  2.92968750e-01, -7.62939453e-03,
 1.56250000e-01, -4.44335938e-02,  1.66992188e-01,  1.22070312e-01,
-3.24707031e-02, -4.24804688e-02,  1.79687500e-01, -5.17578125e-02,
-8.10546875e-02, -3.24707031e-02,  1.26953125e-01, -2.25585938e-01,
-9.22851562e-02, -1.35742188e-01,  2.35351562e-01, -5.98144531e-02,
-6.04248047e-03, -6.44531250e-02, -5.46875000e-02,  1.93359375e-01,
 6.78710938e-02, -1.80664062e-01, -2.53906250e-01, -9.71679688e-02,
-1.25976562e-01,  5.78613281e-02,  5.83496094e-02,  1.03515625e-01,
 1.10351562e-01, -4.12597656e-02, -1.66015625e-02, -6.93359375e-02,
 1.31835938e-01,  4.17480469e-02,  5.00488281e-02, -7.91015625e-02,
-1.82617188e-01, -2.39257812e-01,  6.10351562e-02,  3.61328125e-01,
-2.43164062e-01,  3.46679688e-02, -3.93066406e-02, -2.75878906e-02,
-1.33056641e-02, -7.47070312e-02,  1.56250000e-01, -1.66015625e-01,
-7.42187500e-02, -1.85546875e-01,  1.48437500e-01, -2.29492188e-01,
-1.31835938e-02,  4.41894531e-02, -4.34570312e-02,  2.08984375e-01,
 9.42382812e-02,  1.40625000e-01,  2.08007812e-01, -1.27929688e-01,
-1.25976562e-01,  1.61132812e-01, -4.49218750e-02, -9.71679688e-02,
-5.10253906e-02,  1.91406250e-01,  1.10351562e-01,  2.22656250e-01,
 2.74658203e-02,  9.32617188e-02,  5.44433594e-02,  1.45507812e-01,
-1.33789062e-01, -4.29687500e-02, -1.08398438e-01, -2.09960938e-02,
-3.67736816e-03, -5.46875000e-02,  1.05957031e-01, -7.08007812e-02,
-2.32421875e-01, -2.67333984e-02,  4.29687500e-02, -8.05664062e-02,
-1.28906250e-01, -5.12695312e-03,  6.89697266e-03,  1.89453125e-01,
 6.10351562e-02, -2.92968750e-01,  5.93662262e-05, -1.76757812e-01,
 1.89453125e-01, -2.63671875e-01,  4.34570312e-02, -1.42578125e-01,
-1.48437500e-01,  2.09960938e-02,  1.01928711e-02,  4.05273438e-02,
-1.91406250e-01, -3.76953125e-01,  1.29882812e-01,  2.53906250e-02,
 2.61718750e-01,  1.13769531e-01,  1.19140625e-01,  1.97753906e-02,
-3.88183594e-02, -6.88476562e-02, -1.88476562e-01,  1.56250000e-01,
 7.37304688e-02,  1.19628906e-01,  6.17675781e-02, -4.63867188e-03,
-2.98828125e-01,  1.94335938e-01,  2.70996094e-02,  8.60595703e-03,
-1.15234375e-01, -9.03320312e-02,  1.70898438e-01, -9.27734375e-02,
 1.95312500e-02, -2.72216797e-02, -1.35742188e-01,  9.52148438e-02,
-1.20605469e-01,  5.93261719e-02, -8.30078125e-02,  1.36718750e-02,
-1.49414062e-01,  3.22265625e-02,  1.17675781e-01, -9.91210938e-02,
 1.78710938e-01,  1.13769531e-01, -1.55273438e-01,  5.81054688e-02,
 3.71093750e-02, -5.78613281e-02,  1.12304688e-01, -2.41210938e-01,
 1.86523438e-01,  2.45117188e-01, -6.44531250e-02, -1.26953125e-01,
 7.93457031e-03, -5.93261719e-02,  1.76757812e-01,  4.76074219e-02,
-1.30859375e-01, -2.01171875e-01, -8.88671875e-02,  1.37695312e-01,
-3.08593750e-01,  1.19628906e-01,  1.04003906e-01, -1.10351562e-01,
 1.83105469e-03,  3.29589844e-02,  9.52148438e-03, -1.41601562e-01,
 1.59912109e-02, -1.43554688e-01,  1.70898438e-02, -1.67968750e-01,
-3.18359375e-01,  7.08007812e-02, -1.62109375e-01,  1.33666992e-02,
 4.46777344e-02,  1.49414062e-01, -2.84423828e-02, -9.52148438e-03,
 2.79296875e-01,  1.43554688e-01,  4.54101562e-02,  3.04687500e-01,
 9.52148438e-02,  1.68945312e-01,  1.51367188e-01,  1.05468750e-01,
-3.75000000e-01, -2.10937500e-01,  5.59082031e-02, -4.61425781e-02,
 1.57470703e-02, -2.79541016e-02, -3.10546875e-01,  1.75781250e-01,
-3.95507812e-02, -1.92382812e-01, -5.39550781e-02,  2.87109375e-01,
-1.48315430e-02,  9.03320312e-02, -5.66406250e-02,  1.20605469e-01,
-8.05664062e-02, -4.49218750e-02, -8.05664062e-02, -2.87109375e-01,
-1.04370117e-02, -1.12792969e-01, -1.41601562e-01,  1.24511719e-01,
-2.91015625e-01, -1.94335938e-01, -1.38671875e-01,  1.23046875e-01,
 8.98437500e-02,  1.65039062e-01, -1.90429688e-01,  2.95410156e-0
```

```
2],
       dtype=float32),
 'billable': array([-2.87109375e-01, -1.06445312e-01, -1.18164062e-01,  1.9
1406250e-01,
        -2.94921875e-01,  1.50390625e-01, -2.45117188e-01,  1.66992188e-01,
         2.16796875e-01,  1.16699219e-01,  1.23046875e-01,  1.77734375e-01,
         9.13085938e-02,  2.77343750e-01, -8.83789062e-02,  2.94921875e-01,
         3.94531250e-01, -1.00585938e-01,  1.99218750e-01,  1.61132812e-01,
        -3.75000000e-01, -4.78515625e-01, -5.81054688e-02,  1.38671875e-01,
        -3.35937500e-01,  2.37304688e-01, -3.26171875e-01, -8.69140625e-02,
         1.72851562e-01,  1.25976562e-01, -9.86328125e-02, -4.51171875e-01,
         3.73535156e-02, -1.22558594e-01,  1.48437500e-01, -3.24218750e-01,
         1.41601562e-02,  1.80664062e-02,  1.15722656e-01, -2.09960938e-01,
         5.82031250e-01,  2.05078125e-01,  3.56445312e-02, -1.95312500e-01,
        -4.19921875e-01, -3.32031250e-01, -5.67626953e-03, -6.44531250e-02,
        -8.60595703e-03,  1.09863281e-01, -1.44531250e-01, -4.29687500e-01,
        -3.43750000e-01,  3.39843750e-01, -3.73535156e-02,  1.67968750e-01,
         4.45312500e-01,  1.57226562e-01,  1.69921875e-01,  2.09960938e-01,
        -7.61718750e-02, -2.02148438e-01, -3.92578125e-01, -1.78710938e-01,
         1.36718750e-01,  1.17797852e-02, -2.73437500e-01,  1.29882812e-01,
        -3.04687500e-01, -9.22851562e-02, -9.52148438e-02, -7.03125000e-02,
        -7.17773438e-02, -1.63085938e-01, -2.30468750e-01, -5.03906250e-01,
         3.26171875e-01,  1.53320312e-01, -3.45703125e-01, -1.89453125e-01,
        -1.75781250e-01,  1.22558594e-01, -3.37890625e-01, -1.84326172e-02,
         6.88476562e-02,  5.46875000e-02,  2.53906250e-01,  1.19140625e-01,
         1.33789062e-01,  1.70898438e-01,  7.08007812e-02, -3.58581543e-04,
        -2.29492188e-01, -3.57421875e-01,  5.07812500e-02,  5.88378906e-02,
        -3.95507812e-02,  1.18164062e-01, -7.27539062e-02, -6.93359375e-02,
         1.39648438e-01, -2.09960938e-01,  2.79296875e-01, -2.89062500e-01,
         1.55273438e-01, -1.83593750e-01,  3.01513672e-02,  3.59375000e-01,
         1.11816406e-01, -6.34765625e-02,  1.09375000e-01, -2.74658203e-02,
        -1.39648438e-01,  1.21582031e-01,  1.40625000e-01,  3.08593750e-01,
        -1.18652344e-01, -4.04296875e-01,  4.10156250e-01,  3.76953125e-01,
        -3.22265625e-01,  2.38037109e-02, -4.66308594e-02,  1.77734375e-01,
         5.42968750e-01,  1.85546875e-01, -2.94921875e-01,  1.34765625e-01,
        -7.91015625e-02,  3.78906250e-01, -3.84765625e-01, -8.78906250e-02,
         3.78417969e-02, -1.53320312e-01,  2.21679688e-01, -1.55273438e-01,
         2.57812500e-01,  3.04687500e-01,  2.71484375e-01,  1.61132812e-02,
        -4.27734375e-01, -3.92578125e-01, -2.77099609e-02,  1.18164062e-01,
         5.24902344e-02,  1.08398438e-01, -4.83398438e-02,  3.06640625e-01,
        -4.17480469e-02,  1.26953125e-01,  3.51562500e-01,  1.83593750e-01,
        -2.61718750e-01,  3.26171875e-01,  5.07812500e-02, -1.66992188e-01,
         2.27539062e-01, -1.54296875e-01, -2.89062500e-01, -1.70898438e-01,
        -3.67187500e-01,  1.25976562e-01, -2.00195312e-01,  1.32812500e-01,
        -3.63281250e-01,  2.73437500e-01, -1.62109375e-01, -2.61718750e-01,
        -1.92871094e-02, -4.61425781e-02, -2.45117188e-01, -3.02734375e-02,
        -1.79687500e-01,  3.88183594e-02, -1.23535156e-01, -3.43750000e-01,
         1.28906250e-01,  2.22656250e-01, -3.20312500e-01, -4.55078125e-01,
         1.51367188e-01,  1.19140625e-01, -3.84765625e-01, -6.93359375e-02,
         9.32617188e-02,  3.92578125e-01,  4.68750000e-02,  3.61328125e-01,
         1.47460938e-01, -8.05664062e-02, -1.89453125e-01,  9.13085938e-02,
        -4.74609375e-01,  1.11816406e-01, -9.27734375e-02,  1.06933594e-01,
        -1.19018555e-02, -9.91210938e-02,  1.84570312e-01, -1.44531250e-01,
        -9.47265625e-02,  2.12890625e-01, -8.39843750e-02, -6.88476562e-02,
        -2.14843750e-01,  3.71093750e-02, -5.15625000e-01, -3.08227539e-03,
         2.75878906e-02, -1.22070312e-01, -8.30078125e-03,  1.43554688e-01,
        -2.41210938e-01, -2.73437500e-01, -7.81250000e-02,  1.67968750e-01,
         3.85742188e-02,  1.49414062e-01, -1.89453125e-01, -2.55859375e-01,
        -3.67187500e-01,  3.30078125e-01,  3.04687500e-01, -1.16210938e-01,
         3.49121094e-02,  4.33593750e-01,  1.68945312e-01,  8.25195312e-02,
         1.14746094e-01, -1.38671875e-01,  1.09375000e-01, -2.83203125e-01,
        -7.12890625e-02, -5.00000000e-01, -3.88671875e-01, -2.32421875e-01,
        -1.61132812e-02, -8.64257812e-02, -1.68945312e-01,  1.52343750e-01,
         1.31225586e-02, -2.44140625e-02,  1.27929688e-01, -4.70703125e-01,
```

```
        -3.95507812e-02, -1.14257812e-01, -3.92578125e-01,  3.98437500e-01,
        -7.81250000e-02, -3.28125000e-01, -8.15429688e-02, -5.90820312e-02,
        -3.22265625e-01,  3.39843750e-01, -2.23632812e-01,  3.46679688e-02,
        -3.33984375e-01, -3.94531250e-01,  1.01074219e-01, -2.16064453e-02,
        -1.52343750e-01,  6.64062500e-02, -1.53808594e-02, -2.73437500e-02,
        -4.60937500e-01,  9.81445312e-02, -3.17382812e-02,  2.05078125e-02,
        -5.78613281e-02,  1.72851562e-01,  5.46875000e-01, -9.94873047e-03,
        -1.48925781e-02, -2.44140625e-01,  1.00097656e-01, -3.88183594e-02,
        -1.84570312e-01,  3.86718750e-01,  2.91442871e-03, -7.32421875e-02,
        -2.28515625e-01, -7.27539062e-02, -1.66015625e-02,  4.19921875e-01,
        -6.54296875e-02,  7.66601562e-02,  7.71484375e-02,  1.33789062e-01,
         3.27148438e-02,  1.71875000e-01,  3.88622284e-05,  8.20312500e-02,
        -2.41210938e-01,  1.83593750e-01,  1.70898438e-02,  3.78906250e-01,
         2.10937500e-01, -5.02929688e-02,  2.33398438e-01, -1.00585938e-0
1],
       dtype=float32),
 'working': array([-9.08203125e-02,  1.07421875e-01,  5.55419922e-03,  3.39
355469e-02,
        -1.81884766e-02,  2.17773438e-01, -1.44653320e-02, -1.60156250e-01,
        -1.43554688e-01, -1.03515625e-01, -1.12304688e-02,  1.43554688e-01,
        -3.47656250e-01, -1.02050781e-01, -1.85546875e-01, -1.98242188e-01,
         2.95410156e-02,  2.26562500e-01,  1.84570312e-01, -3.90625000e-02,
        -1.63085938e-01,  1.25976562e-01, -9.17968750e-02, -1.09863281e-01,
         1.31835938e-01, -2.91748047e-02, -6.73828125e-02,  1.57470703e-02,
        -1.43554688e-01, -8.30078125e-03,  8.69140625e-02, -8.20312500e-02,
         1.62109375e-01, -6.25000000e-02,  1.27929688e-01, -3.46679688e-02,
         1.19140625e-01, -1.46484375e-01,  9.42382812e-02, -9.81445312e-02,
         3.03955078e-02,  1.11328125e-01, -1.51367188e-01, -1.22558594e-01,
        -8.98437500e-02,  6.54296875e-02, -1.27929688e-01, -2.03857422e-02,
        -9.91210938e-02,  1.33056641e-02,  1.60156250e-01, -1.68945312e-01,
         1.56250000e-01, -8.44726562e-02,  2.11914062e-01,  1.83868408e-03,
         8.54492188e-02, -2.18750000e-01,  3.08837891e-02,  4.27246094e-02,
        -4.34570312e-02,  3.08593750e-01, -4.82421875e-01,  6.44531250e-02,
         6.64062500e-02,  6.29882812e-02, -4.37011719e-02,  2.17285156e-02,
        -5.07812500e-02, -1.17187500e-01, -7.91015625e-02,  1.51367188e-02,
        -6.68945312e-02,  7.66601562e-02, -2.69531250e-01, -5.20019531e-02,
         8.25195312e-02,  9.86328125e-02, -2.09960938e-02,  1.33789062e-01,
        -1.72424316e-03, -8.30078125e-02,  1.01562500e-01,  5.61523438e-02,
        -4.02450562e-04, -7.27539062e-02,  1.90429688e-02, -1.19140625e-01,
        -3.05175781e-02,  1.61132812e-01,  8.74023438e-02, -6.78710938e-02,
         2.49023438e-02,  2.14843750e-02,  1.28173828e-02,  4.34570312e-02,
         8.05664062e-02, -1.69921875e-01, -1.34765625e-01, -6.64062500e-02,
        -1.16210938e-01, -1.75781250e-01,  1.73828125e-01,  2.33459473e-03,
         1.54296875e-01, -1.12304688e-01,  6.34765625e-02, -4.12597656e-02,
         8.59375000e-02, -2.10937500e-01,  2.31933594e-02, -1.91406250e-01,
        -9.37500000e-02, -1.71875000e-01, -2.83203125e-02,  8.54492188e-02,
        -9.08203125e-02, -8.10546875e-02,  7.22656250e-02, -2.13623047e-02,
        -1.17187500e-01, -5.83496094e-02, -4.02832031e-02,  2.23632812e-01,
        -1.70898438e-02,  1.01562500e-01, -1.16699219e-01, -1.97265625e-01,
        -2.53906250e-01,  4.49218750e-02,  8.49609375e-02, -9.96093750e-02,
        -1.70898438e-01,  2.33459473e-03, -5.41992188e-02, -1.34765625e-01,
        -5.24902344e-03,  1.35742188e-01,  3.71093750e-02,  2.88085938e-02,
        -1.26953125e-01, -1.33056641e-02, -9.32617188e-02,  5.55419922e-03,
        -1.44653320e-02,  7.76367188e-02, -2.07031250e-01, -1.00585938e-01,
         1.54296875e-01, -4.22363281e-02,  5.46875000e-02,  9.96093750e-02,
         3.73535156e-02,  1.64062500e-01,  4.61425781e-02,  1.83593750e-01,
        -2.33398438e-01, -8.30078125e-02, -2.56347656e-02, -5.49316406e-02,
         1.25732422e-02,  8.74023438e-02, -1.57226562e-01,  1.18164062e-01,
         5.73730469e-02, -1.41601562e-01, -5.17578125e-02, -5.51757812e-02,
         8.44726562e-02, -6.39648438e-02, -1.66015625e-02,  4.76074219e-02,
         1.04980469e-01,  5.66406250e-02,  8.30078125e-02,  3.10058594e-02,
         1.98242188e-01, -1.33789062e-01, -1.19140625e-01,  3.12500000e-02,
        -4.61425781e-02, -9.32617188e-02,  4.46777344e-02, -1.59912109e-02,
        -2.66113281e-02, -1.70898438e-01, -1.62109375e-01, -1.58203125e-01,
```

```
         2.05078125e-01, -1.19628906e-01, -1.48437500e-01,  2.04101562e-01,
         1.65039062e-01, -1.52343750e-01, -1.64062500e-01,  1.93359375e-01,
         1.83593750e-01,  1.15722656e-01,  9.52148438e-03, -1.05957031e-01,
        -3.17382812e-02,  4.17968750e-01,  8.93554688e-02, -5.78613281e-02,
        -2.50000000e-01, -3.71093750e-02, -3.00781250e-01,  1.98974609e-02,
         1.04980469e-01, -7.53784180e-03,  1.48437500e-01, -1.46484375e-02,
         1.13769531e-01, -2.63214111e-04,  1.95312500e-01,  7.56835938e-02,
         5.98144531e-02,  1.34765625e-01, -3.54003906e-02, -1.12792969e-01,
         4.85839844e-02, -4.12597656e-02,  7.51953125e-02,  2.44140625e-01,
         1.86523438e-01, -6.93359375e-02, -5.51757812e-02,  1.00097656e-01,
        -8.10546875e-02, -1.26953125e-01,  1.09252930e-02, -1.57226562e-01,
         9.52148438e-02, -4.46777344e-02, -7.17773438e-02, -2.53906250e-01,
        -1.17797852e-02, -2.46093750e-01,  2.81982422e-02, -4.02832031e-02,
        -5.27343750e-02,  1.01074219e-01, -1.34765625e-01, -1.58203125e-01,
         5.63964844e-02, -7.47680664e-03, -7.38525391e-03, -2.13623047e-02,
         8.64257812e-02, -1.53320312e-01, -1.96289062e-01,  2.50000000e-01,
        -7.66601562e-02,  7.76367188e-02,  1.37695312e-01,  3.33786011e-04,
        -3.75976562e-02, -3.15856934e-03, -2.17773438e-01, -5.64575195e-03,
        -2.01171875e-01,  8.60595703e-03,  1.52343750e-01,  5.44433594e-02,
         6.95800781e-03,  8.44726562e-02,  1.79687500e-01, -3.03955078e-02,
        -1.55273438e-01,  2.61718750e-01,  1.12792969e-01,  1.60156250e-01,
         7.27539062e-02,  5.63964844e-02,  1.91406250e-01, -5.88378906e-02,
        -1.07421875e-01, -2.35595703e-02, -1.62109375e-01, -8.44726562e-02,
        -1.78710938e-01, -4.63867188e-02,  9.61303711e-04,  3.65234375e-01,
         7.61718750e-02, -1.61132812e-01, -1.16699219e-01, -1.21459961e-02,
         1.64062500e-01, -2.81982422e-02, -3.02734375e-01,  1.64062500e-01,
        -1.30859375e-01,  3.66210938e-02, -1.30859375e-01,  5.12695312e-02,
         1.21582031e-01,  1.81640625e-01,  1.67968750e-01, -1.73339844e-0
2],
       dtype=float32),
 'closely': array([-0.08544922, -0.00230408, -0.0390625 ,  0.25      ,  0.0
7177734,
        -0.02758789,  0.03015137, -0.06152344,  0.37695312, -0.32421875,
        -0.03588867, -0.16113281,  0.03930664,  0.140625  , -0.27734375,
        -0.01177979, -0.20019531,  0.10253906, -0.04541016, -0.15332031,
        -0.24511719,  0.10058594,  0.04223633,  0.15820312,  0.25390625,
         0.09716797,  0.26171875, -0.25390625, -0.13867188,  0.02563477,
        -0.02624512,  0.12304688, -0.03881836, -0.22851562,  0.00268555,
        -0.25      , -0.09716797,  0.16210938,  0.10205078, -0.06347656,
         0.23242188, -0.02209473, -0.33789062,  0.01574707, -0.20703125,
         0.04467773, -0.01135254, -0.13867188,  0.34765625, -0.23046875,
         0.21582031,  0.03930664, -0.10400391, -0.02685547,  0.45703125,
         0.03149414, -0.07666016, -0.09667969, -0.00076294, -0.14160156,
         0.03564453,  0.22753906, -0.34375   , -0.00732422, -0.23242188,
         0.0402832 , -0.05615234,  0.02099609, -0.10205078, -0.02478027,
         0.03588867,  0.10693359,  0.20410156, -0.1015625 , -0.13378906,
        -0.05883789,  0.05981445,  0.19824219,  0.25585938,  0.19042969,
         0.19042969, -0.13574219,  0.09960938, -0.07470703, -0.00933838,
        -0.26757812, -0.60546875,  0.01251221,  0.04638672,  0.3515625 ,
         0.08691406,  0.10644531,  0.06079102,  0.078125  ,  0.05908203,
         0.02209473,  0.09521484, -0.08300781,  0.11865234,  0.09619141,
         0.11035156, -0.07324219,  0.05175781,  0.09375   ,  0.20703125,
         0.20898438,  0.10058594,  0.3125    ,  0.05029297,  0.15625   ,
         0.36328125,  0.02807617,  0.05004883, -0.08935547,  0.13671875,
        -0.00762939,  0.16015625, -0.23046875,  0.12695312, -0.02050781,
        -0.07910156,  0.06689453, -0.07861328, -0.31054688, -0.06396484,
         0.09716797,  0.00165558, -0.08496094,  0.00671387,  0.40429688,
         0.10400391, -0.09130859,  0.05810547,  0.10791016, -0.06591797,
        -0.00650024,  0.12451172,  0.34960938,  0.03588867,  0.26367188,
         0.25976562,  0.34375   , -0.29492188,  0.18066406,  0.0546875 ,
         0.11865234,  0.01989746,  0.04907227,  0.09277344,  0.11230469,
         0.04296875,  0.3671875 , -0.14550781,  0.25195312,  0.07958984,
         0.15820312, -0.3046875 ,  0.10058594,  0.20605469,  0.06005859,
         0.10400391,  0.08496094, -0.05151367,  0.2578125 ,  0.10595703,
```

```
         0.21875   , -0.0546875 , -0.2734375 ,  0.21386719,  0.20214844,
        -0.31054688,  0.19238281,  0.33789062,  0.01287842,  0.27539062,
        -0.06591797,  0.26171875, -0.07470703, -0.21972656,  0.02233887,
        -0.10400391, -0.08691406,  0.02148438, -0.22070312, -0.16503906,
        -0.04125977,  0.0246582 ,  0.20214844, -0.20214844,  0.03881836,
        -0.10351562,  0.13769531,  0.12695312, -0.34765625,  0.17773438,
         0.13378906,  0.11914062,  0.05737305, -0.25      ,  0.00576782,
         0.19726562,  0.12695312,  0.22558594, -0.05029297, -0.15527344,
        -0.1875    , -0.16503906, -0.078125  ,  0.40820312, -0.1875    ,
        -0.10400391, -0.15722656, -0.05688477,  0.02856445,  0.00830078,
        -0.16015625, -0.0267334 , -0.23242188,  0.17089844,  0.22460938,
        -0.06176758, -0.3125    , -0.27734375,  0.18847656, -0.31640625,
        -0.31640625,  0.04003906,  0.09863281,  0.22460938,  0.0402832 ,
         0.18457031,  0.01464844,  0.34960938, -0.26367188,  0.16015625,
        -0.12255859, -0.11572266,  0.16699219,  0.21386719,  0.00411987,
        -0.39453125, -0.08203125,  0.07226562, -0.12792969, -0.08837891,
        -0.15332031,  0.26171875, -0.0390625 , -0.3671875 , -0.05517578,
        -0.26953125,  0.23339844,  0.02978516, -0.30273438,  0.05273438,
        -0.12353516,  0.00524902, -0.04150391, -0.02783203, -0.19042969,
         0.15820312,  0.08398438,  0.16015625,  0.18066406,  0.18359375,
         0.2265625 , -0.09033203, -0.03613281, -0.11669922,  0.1796875 ,
         0.05761719,  0.21582031, -0.265625  ,  0.25585938, -0.00139618,
        -0.19824219,  0.01818848, -0.09277344, -0.02111816,  0.05078125,
        -0.03417969,  0.140625  , -0.16699219,  0.4140625 ,  0.28515625,
         0.03808594, -0.12402344,  0.27148438,  0.21386719, -0.08154297,
        -0.23046875,  0.05908203,  0.21582031, -0.00976562,  0.10400391,
        -0.23730469,  0.03222656,  0.21191406, -0.31835938, -0.05200195],
       dtype=float32),
 'member': array([ 0.17871094, -0.22363281,  0.15234375, -0.04443359, -0.16
699219,
         0.15332031, -0.07861328, -0.2890625 ,  0.24511719, -0.28320312,
         0.10546875, -0.0559082 ,  0.00662231, -0.04541016, -0.0088501 ,
         0.12451172,  0.10253906, -0.07324219, -0.23144531, -0.10058594,
         0.05541992,  0.14160156, -0.13671875, -0.0324707 , -0.10058594,
        -0.20410156, -0.18652344,  0.10498047, -0.17773438, -0.11474609,
         0.07275391, -0.02380371, -0.01782227,  0.11621094,  0.26953125,
        -0.12011719,  0.09375   ,  0.21484375, -0.07421875,  0.09521484,
        -0.01928711, -0.0018692 , -0.02990723, -0.09570312, -0.12597656,
        -0.07910156, -0.16992188, -0.14160156,  0.15136719,  0.01501465,
        -0.13671875, -0.02111816,  0.17089844, -0.04321289,  0.04760742,
        -0.00080872, -0.03442383,  0.06835938,  0.14648438, -0.31054688,
        -0.0050354 ,  0.140625  , -0.08349609,  0.05200195,  0.08251953,
         0.11083984,  0.15820312,  0.14941406,  0.03076172,  0.21972656,
         0.13671875, -0.33789062, -0.07714844, -0.10546875, -0.16503906,
        -0.09082031, -0.04101562, -0.07177734,  0.2734375 , -0.06884766,
         0.20019531, -0.23730469,  0.16308594,  0.25585938, -0.04101562,
        -0.19824219, -0.1953125 , -0.3203125 ,  0.10839844, -0.08251953,
         0.12451172, -0.09326172, -0.09814453,  0.13378906, -0.01177979,
         0.14160156, -0.12451172,  0.21875   , -0.01428223, -0.09570312,
         0.14550781,  0.05029297, -0.09228516,  0.18066406, -0.16894531,
        -0.10839844,  0.00546265,  0.05322266, -0.0402832 ,  0.00787354,
        -0.11230469, -0.16308594,  0.04248047, -0.04150391, -0.125     ,
         0.05883789,  0.11279297,  0.10839844,  0.25195312, -0.14257812,
         0.12060547, -0.24707031, -0.16503906, -0.09375   , -0.06298828,
        -0.21777344,  0.01611328, -0.02197266,  0.09228516,  0.26757812,
         0.09326172, -0.08886719, -0.0112915 ,  0.05566406, -0.12011719,
        -0.03735352, -0.12988281, -0.12255859,  0.07373047, -0.02661133,
        -0.0267334 ,  0.01464844, -0.1171875 , -0.1953125 ,  0.05493164,
         0.11816406, -0.20800781, -0.08349609,  0.24511719,  0.26367188,
         0.02709961,  0.15332031,  0.00512695,  0.14941406,  0.43164062,
        -0.17382812, -0.06982422,  0.03735352,  0.15234375, -0.11669922,
         0.02612305, -0.03759766,  0.21386719,  0.171875  , -0.10986328,
         0.03955078,  0.00872803, -0.0255127 ,  0.21191406,  0.08496094,
         0.25976562,  0.07470703,  0.08740234, -0.35351562,  0.16015625,
```

```
        -0.32226562,  0.00619507, -0.15820312,  0.16992188, -0.10839844,
         0.13085938,  0.06225586,  0.16894531, -0.09179688, -0.02893066,
        -0.03393555,  0.16308594, -0.01318359, -0.11669922, -0.07861328,
         0.09814453, -0.05981445, -0.12109375,  0.30273438, -0.06347656,
        -0.11230469,  0.06835938,  0.11962891,  0.06152344, -0.1953125 ,
         0.05322266,  0.15039062, -0.00382996, -0.14648438, -0.25585938,
        -0.04443359, -0.02905273, -0.07470703, -0.03564453, -0.18554688,
         0.15820312, -0.03344727, -0.01361084, -0.01037598,  0.02832031,
         0.28515625, -0.10302734, -0.22070312,  0.04663086,  0.13867188,
         0.20507812, -0.11230469,  0.04516602,  0.1875    ,  0.04467773,
        -0.1015625 ,  0.2734375 ,  0.01977539,  0.07861328,  0.03710938,
        -0.28515625, -0.16992188, -0.02697754, -0.00195312, -0.26171875,
        -0.00300598,  0.14355469, -0.21289062, -0.10205078, -0.19042969,
         0.09619141, -0.2265625 , -0.14355469, -0.07470703, -0.04638672,
         0.10400391,  0.02648926, -0.0625    , -0.04980469,  0.06884766,
         0.0189209 ,  0.17089844, -0.11474609, -0.01019287,  0.04443359,
         0.20800781,  0.07763672,  0.02587891, -0.0859375 ,  0.08105469,
         0.0390625 , -0.06640625,  0.14257812, -0.1484375 ,  0.04882812,
        -0.01171875, -0.03662109,  0.44921875, -0.21484375,  0.0859375 ,
         0.0065918 ,  0.14648438,  0.03295898,  0.25976562, -0.10449219,
        -0.38476562, -0.10839844, -0.17480469, -0.10302734,  0.04345703,
         0.19238281,  0.03198242, -0.2734375 ,  0.23925781,  0.09765625,
         0.10546875, -0.13183594,  0.05908203,  0.27929688,  0.08154297,
         0.08886719, -0.04785156, -0.0559082 , -0.04467773, -0.2734375 ,
         0.04101562,  0.02612305,  0.21386719,  0.23828125, -0.00860596],
       dtype=float32),
 'team': array([-2.53906250e-01,  2.85644531e-02,  1.04492188e-01, -7.56835
938e-02,
         1.04980469e-01, -2.41699219e-02, -1.07910156e-01, -2.16796875e-01,
         9.32617188e-02,  3.06396484e-02,  8.83789062e-02, -2.22167969e-02,
         3.58886719e-02, -1.78710938e-01, -1.62109375e-01,  2.08007812e-01,
         9.32617188e-02, -3.19824219e-02,  5.88378906e-02, -2.47802734e-02,
        -7.56835938e-02,  2.02148438e-01, -3.34472656e-02, -1.65039062e-01,
        -6.59179688e-02, -1.06933594e-01, -1.14746094e-01,  1.06445312e-01,
         2.88085938e-02, -6.49414062e-02,  6.17675781e-02, -5.90820312e-02,
         1.50390625e-01, -2.84423828e-02,  1.79687500e-01,  8.64257812e-02,
         1.20117188e-01, -5.59082031e-02,  2.20703125e-01,  1.42578125e-01,
         2.57812500e-01, -1.62109375e-01,  3.99780273e-03,  1.92382812e-01,
         7.42187500e-02, -1.95312500e-01,  5.20019531e-02, -7.42187500e-02,
         7.32421875e-02,  2.63671875e-01,  9.86328125e-02,  2.89062500e-01,
        -1.08886719e-01, -5.39550781e-02, -1.59912109e-02, -1.72851562e-01,
         2.08007812e-01,  2.39257812e-02,  7.99560547e-03, -1.33789062e-01,
        -4.08935547e-03,  1.11083984e-02, -1.21582031e-01, -1.19140625e-01,
         4.37011719e-02, -3.46679688e-02,  4.12597656e-02, -1.05468750e-01,
         2.53906250e-01,  1.39648438e-01,  2.77099609e-02, -4.83398438e-02,
         1.97753906e-02, -1.94335938e-01, -7.91015625e-02, -3.41796875e-02,
        -1.96838379e-03, -4.69970703e-03,  8.05664062e-02, -1.74804688e-01,
         8.10546875e-02,  1.49414062e-01,  9.42382812e-02,  4.02832031e-02,
         1.49414062e-01, -3.53515625e-01, -5.63964844e-02,  4.66308594e-02,
         7.71484375e-02,  1.60156250e-01, -8.97216797e-03, -1.25000000e-01,
         1.59912109e-02, -1.79443359e-02,  1.30859375e-01, -1.17187500e-01,
        -6.44531250e-02,  3.17382812e-02, -3.32641602e-03,  2.40478516e-02,
         1.25976562e-01, -8.10546875e-02,  9.03320312e-03,  2.10937500e-01,
         9.39941406e-03,  5.54199219e-02, -1.80664062e-02, -1.73828125e-01,
         6.39648438e-02,  3.49121094e-02,  1.05957031e-01, -1.42211914e-02,
        -1.86523438e-01, -4.22363281e-02,  2.40234375e-01,  8.83789062e-02,
         6.00585938e-02,  1.73339844e-02,  1.58691406e-02, -1.54296875e-01,
        -3.04687500e-01, -2.30468750e-01, -1.60156250e-01,  9.32617188e-02,
        -1.01562500e-01, -6.68945312e-02, -5.76171875e-02, -1.67968750e-01,
        -1.67968750e-01,  1.63085938e-01, -3.63769531e-02, -2.12890625e-01,
        -1.32812500e-01, -1.19628906e-01,  7.32421875e-02, -1.22558594e-01,
        -7.93457031e-03,  4.33593750e-01, -2.08007812e-01,  7.17773438e-02,
        -1.00097656e-01, -5.66406250e-02,  2.07031250e-01,  4.63867188e-02,
        -5.93261719e-02,  1.70898438e-01,  4.44335938e-02, -1.23291016e-02,
```

```
        -1.98974609e-02, -7.61718750e-02,  1.20605469e-01,  2.15820312e-01,
        -1.52343750e-01,  1.67968750e-01,  1.77001953e-03, -6.25000000e-02,
         1.38671875e-01, -1.81640625e-01, -8.15429688e-02,  1.65039062e-01,
         2.40234375e-01,  1.65039062e-01,  3.10546875e-01, -3.05175781e-02,
        -5.93261719e-02, -2.96875000e-01, -5.43212891e-03, -8.83789062e-02,
        -4.10156250e-02,  1.90429688e-01,  6.05468750e-02, -3.41796875e-02,
         2.32421875e-01, -2.79296875e-01,  2.42187500e-01, -1.58691406e-02,
         1.50390625e-01, -2.45361328e-02, -1.54418945e-02, -5.10253906e-02,
         1.03027344e-01,  4.83398438e-02,  6.00585938e-02,  1.06445312e-01,
        -1.19140625e-01,  3.72314453e-03,  7.37304688e-02,  8.39843750e-02,
         1.60156250e-01, -5.27343750e-02,  1.66015625e-02, -2.74658203e-02,
         9.03320312e-02, -3.50952148e-03, -1.46484375e-01, -7.66601562e-02,
         5.90820312e-02,  8.49609375e-02, -2.55859375e-01,  4.71191406e-02,
        -5.52368164e-03,  5.02929688e-02, -1.64062500e-01,  1.00585938e-01,
        -1.28906250e-01, -1.06933594e-01,  1.43554688e-01,  3.10058594e-02,
         6.73828125e-02, -1.87500000e-01, -7.51953125e-02, -2.77099609e-02,
        -1.19140625e-01,  4.44335938e-02, -1.74804688e-01,  7.86132812e-02,
        -7.03125000e-02, -6.39648438e-02, -2.69531250e-01, -2.11181641e-02,
        -7.03125000e-02,  3.12500000e-02,  4.61425781e-02,  5.10253906e-02,
         2.05078125e-02, -2.06054688e-01,  1.56250000e-01,  2.66113281e-02,
         1.21582031e-01, -2.92968750e-02, -7.20214844e-03,  1.48437500e-01,
        -8.30078125e-02, -9.32617188e-02, -1.22070312e-01, -4.71191406e-02,
        -1.64062500e-01, -6.64062500e-02,  5.41992188e-02, -1.63085938e-01,
         6.68334961e-03,  1.18652344e-01,  2.44140625e-02, -8.59375000e-02,
         1.46484375e-01,  7.37304688e-02, -3.63769531e-02, -1.10839844e-01,
        -5.71289062e-02, -8.48388672e-03,  1.30004883e-02, -6.73828125e-02,
         8.74023438e-02,  4.29687500e-02, -1.72851562e-01,  1.63574219e-02,
         1.25885010e-04,  3.00292969e-02,  1.56250000e-02, -5.02929688e-02,
         1.13769531e-01,  1.28906250e-01,  1.23535156e-01,  1.43554688e-01,
         1.50390625e-01,  2.31445312e-01, -3.19824219e-02,  2.55126953e-02,
         1.29699707e-04,  4.76074219e-02,  1.22833252e-03, -1.57470703e-02,
        -8.64257812e-02,  6.93359375e-02,  4.93164062e-02, -3.15856934e-03,
         1.29882812e-01, -8.98437500e-02, -1.83593750e-01, -2.48046875e-01,
         2.60009766e-02, -1.86523438e-01,  1.67968750e-01,  1.09375000e-01,
        -7.27539062e-02,  9.15527344e-03,  4.68750000e-02,  5.05371094e-02,
         1.99218750e-01, -2.33154297e-02, -3.68652344e-02,  1.38671875e-01,
        -1.63085938e-01, -1.68945312e-01, -3.11279297e-02,  1.37695312e-01,
         1.30004883e-02, -8.15429688e-02, -9.27734375e-02, -6.88476562e-0
2],
       dtype=float32),
 'environment': array([-1.33789062e-01,  2.75390625e-01, -1.86523438e-01, -
1.36718750e-01,
        -1.77734375e-01,  7.17773438e-02, -7.61718750e-02,  2.97851562e-02,
        -5.12695312e-02, -7.32421875e-02, -1.47460938e-01, -2.67578125e-01,
        -2.25830078e-02, -3.28125000e-01, -2.53906250e-01,  7.47070312e-02,
        -1.97265625e-01,  3.18359375e-01,  9.76562500e-02,  1.40625000e-01,
         4.24804688e-02,  3.85742188e-02, -7.61718750e-02,  2.46582031e-02,
        -2.12890625e-01, -1.25000000e-01,  3.71093750e-02, -1.33789062e-01,
        -3.01513672e-02, -2.03125000e-01,  6.73828125e-02, -1.78710938e-01,
        -1.11328125e-01,  1.60156250e-01, -1.35498047e-02, -7.27539062e-02,
        -5.44433594e-02, -2.06054688e-01,  8.25195312e-02,  1.64794922e-02,
        -1.79687500e-01, -1.21093750e-01,  6.68945312e-02,  3.04687500e-01,
        -1.46484375e-01, -1.08886719e-01, -1.54418945e-02,  1.57226562e-01,
        -2.94921875e-01,  3.27148438e-02,  1.65039062e-01,  6.73828125e-02,
         2.60009766e-02, -1.38671875e-01,  1.28906250e-01, -3.54003906e-02,
         2.01416016e-02, -1.64062500e-01, -1.37939453e-02,  6.91413879e-05,
        -2.69531250e-01,  6.44531250e-02, -2.19726562e-01,  1.22558594e-01,
        -1.11816406e-01,  6.05468750e-02,  5.37109375e-02,  1.16699219e-01,
        -7.08007812e-02,  4.80957031e-02, -1.71875000e-01, -1.59912109e-02,
         1.82617188e-01, -1.01074219e-01, -8.34960938e-02, -4.12109375e-01,
         6.22558594e-02,  1.56250000e-01,  6.10351562e-02,  6.88476562e-02,
         7.56835938e-02,  1.29882812e-01, -2.06054688e-01, -1.54296875e-01,
         6.88476562e-02, -3.32031250e-02, -1.20605469e-01,  1.90429688e-01,
         7.81250000e-02,  1.22558594e-01,  1.78710938e-01, -5.34667969e-02,
```

```
        -9.61914062e-02,  8.59375000e-02, -3.90625000e-02,  1.25976562e-01,
        -1.10351562e-01,  2.91015625e-01,  2.44140625e-01, -2.51953125e-01,
        -1.17675781e-01,  3.05175781e-02, -2.47070312e-01,  1.42578125e-01,
        -9.08203125e-02, -1.45507812e-01, -6.49414062e-02,  4.12597656e-02,
        -5.54199219e-02, -5.41992188e-02,  3.80859375e-02, -1.67968750e-01,
        -9.82666016e-03,  7.12890625e-02,  1.12792969e-01, -1.11816406e-01,
        -4.19921875e-02, -1.75781250e-01, -1.33789062e-01,  3.57421875e-01,
        -2.65625000e-01, -1.24023438e-01,  1.02050781e-01,  4.25781250e-01,
        -3.32031250e-02,  1.01562500e-01, -8.78906250e-02, -9.91821289e-04,
         3.93066406e-02, -1.46484375e-01,  5.49316406e-02, -3.54003906e-02,
        -1.06445312e-01,  9.66796875e-02,  1.89453125e-01,  3.68652344e-02,
         2.55859375e-01, -1.50390625e-01, -7.23266602e-03, -1.04003906e-01,
         1.84570312e-01,  6.93359375e-02,  6.12792969e-02,  2.95410156e-02,
         3.19824219e-02, -2.71484375e-01,  6.15234375e-02, -9.39941406e-03,
         1.58203125e-01, -6.49414062e-02,  1.29394531e-02,  5.20019531e-02,
         2.96630859e-02,  3.61328125e-02, -4.61425781e-02, -5.17578125e-02,
        -6.34765625e-02,  3.75976562e-02, -1.48437500e-01, -2.13867188e-01,
        -6.88476562e-02,  1.20605469e-01,  3.54003906e-02,  2.22656250e-01,
        -7.75146484e-03,  2.69531250e-01, -1.86523438e-01,  1.26342773e-02,
        -2.85644531e-02,  1.45507812e-01, -1.84570312e-01,  6.34765625e-02,
         9.86328125e-02, -1.31835938e-01,  2.91748047e-02,  9.32617188e-02,
         7.03125000e-02,  1.48315430e-02, -6.93359375e-02,  2.77099609e-02,
        -1.57226562e-01, -1.55273438e-01,  3.80859375e-01, -1.08398438e-01,
        -1.31835938e-02, -1.57226562e-01, -2.94189453e-02,  2.27539062e-01,
         8.54492188e-02,  1.58203125e-01, -1.91406250e-01, -3.18359375e-01,
        -2.02148438e-01,  3.73535156e-02, -3.68652344e-02, -1.05957031e-01,
         1.12792969e-01,  6.07910156e-02, -1.24511719e-01,  1.47094727e-02,
        -5.07812500e-02,  1.54296875e-01, -1.24511719e-01, -2.36328125e-01,
        -6.00585938e-02, -4.46777344e-02,  1.73828125e-01,  1.00585938e-01,
        -1.53320312e-01, -2.83203125e-01, -5.76171875e-02,  1.09863281e-01,
         5.22460938e-02,  2.51953125e-01,  1.59179688e-01,  5.05371094e-02,
         4.71191406e-02,  1.53320312e-01, -1.03027344e-01, -4.17480469e-02,
         8.11767578e-03, -1.09863281e-01, -1.70898438e-01, -7.37304688e-02,
        -1.42578125e-01, -1.59912109e-02,  1.17675781e-01, -1.12304688e-01,
         1.08398438e-01,  8.15429688e-02, -1.04492188e-01,  4.27246094e-02,
         8.25195312e-02, -4.37500000e-01,  2.34375000e-01,  5.51757812e-02,
         2.53906250e-02, -8.30078125e-02,  1.98242188e-01, -1.06445312e-01,
        -1.68945312e-01, -1.86767578e-02,  3.51562500e-02, -8.44726562e-02,
        -3.71093750e-02,  1.00708008e-02, -3.39843750e-01, -6.25000000e-02,
        -1.39648438e-01, -6.50024414e-03, -1.28906250e-01,  8.54492188e-02,
        -6.49414062e-02,  3.19824219e-02,  4.15039062e-02, -3.04687500e-01,
         1.71875000e-01,  8.44726562e-02, -8.69140625e-02,  6.12792969e-02,
         1.32812500e-01, -1.94335938e-01,  2.06054688e-01,  2.48046875e-01,
         1.09863281e-01,  4.08203125e-01, -1.75781250e-02, -6.93359375e-02,
        -3.37890625e-01,  9.13085938e-02, -1.93359375e-01, -5.93261719e-02,
        -1.73339844e-02,  1.39648438e-01, -1.39648438e-01, -9.03320312e-03,
        -1.52343750e-01, -4.39453125e-03, -1.04492188e-01, -3.90625000e-02,
         1.60156250e-01, -4.39453125e-02,  1.55273438e-01, -1.11328125e-01,
         4.10156250e-02, -1.88476562e-01,  7.37304688e-02, -4.14062500e-01,
         1.10351562e-01,  3.49609375e-01, -4.98046875e-01,  1.16699219e-01,
        -4.63867188e-02,  2.50244141e-02, -6.28662109e-03,  2.00195312e-01,
         1.19628906e-01, -2.06298828e-02,  1.29882812e-01,  1.38671875e-0
1],
       dtype=float32),
 'mission': array([-2.49023438e-02,  8.54492188e-02,  3.83300781e-02, -5.49
316406e-02,
         1.32812500e-01,  8.54492188e-02,  2.75390625e-01, -2.35351562e-01,
         1.17675781e-01, -2.03125000e-01, -2.60009766e-02, -1.76757812e-01,
        -4.71191406e-02,  4.93164062e-02, -4.73022461e-03,  1.42578125e-01,
        -2.17773438e-01, -5.59082031e-02,  5.95703125e-02, -1.50390625e-01,
         5.00488281e-02,  1.99218750e-01,  1.12792969e-01, -3.24707031e-02,
        -1.20605469e-01, -1.15722656e-01,  7.22656250e-02, -2.80761719e-02,
         1.36718750e-01, -2.50000000e-01,  1.97265625e-01, -2.71484375e-01,
        -5.61523438e-02, -8.44726562e-02,  1.04492188e-01,  2.04101562e-01,
```

```
-2.80761719e-02,  2.96020508e-03,  1.71875000e-01, -1.84570312e-01,
-1.56250000e-02,  1.68945312e-01, -1.90429688e-02,  3.82812500e-01,
-1.98974609e-02, -3.47656250e-01,  1.97410583e-04,  1.05468750e-01,
 5.09643555e-03,  3.28125000e-01,  7.27539062e-02, -5.82885742e-03,
 5.52368164e-03,  1.21582031e-01,  1.30859375e-01, -1.84570312e-01,
-1.08886719e-01,  1.72119141e-02,  6.17980957e-04,  3.27148438e-02,
 2.16796875e-01,  1.74804688e-01,  6.88476562e-02,  1.00585938e-01,
-1.90429688e-02,  4.22363281e-02, -1.53198242e-02,  3.00292969e-02,
 2.48046875e-01, -2.09960938e-01,  1.06933594e-01, -1.44531250e-01,
-1.96289062e-01,  9.04083252e-04, -9.86328125e-02, -4.27246094e-02,
 9.17968750e-02, -7.66601562e-02,  1.46484375e-02,  3.17382812e-02,
 8.85009766e-04, -4.49218750e-02,  1.86523438e-01, -9.57031250e-02,
-2.37304688e-01, -2.41210938e-01,  1.27929688e-01, -1.93359375e-01,
 3.37890625e-01,  2.04101562e-01,  1.24511719e-01, -3.41796875e-01,
 2.13623047e-02, -2.07031250e-01,  2.46093750e-01, -1.48437500e-01,
-1.37329102e-02,  6.68945312e-02, -7.37304688e-02, -1.14746094e-01,
 1.19628906e-01,  2.50244141e-02, -2.33398438e-01,  8.93554688e-02,
-1.02050781e-01,  2.04101562e-01, -7.03125000e-02, -7.76367188e-02,
 1.88476562e-01,  1.46484375e-01, -1.15234375e-01, -2.16796875e-01,
-2.22656250e-01,  1.22070312e-01,  3.54003906e-02,  2.01171875e-01,
-3.27148438e-02,  2.69531250e-01,  7.27539062e-02,  8.49609375e-02,
-2.21679688e-01, -1.71875000e-01,  8.59375000e-02,  1.75781250e-01,
 5.44433594e-02, -9.42382812e-02, -3.92578125e-01,  9.22851562e-02,
-3.71093750e-02,  3.97949219e-02,  1.27929688e-01, -1.73828125e-01,
-6.64062500e-02, -2.22656250e-01,  9.27734375e-02,  1.14746094e-01,
 3.46374512e-03, -1.95312500e-01,  1.00097656e-01,  1.27929688e-01,
-1.49536133e-02, -1.71875000e-01,  7.22656250e-02, -2.92968750e-01,
-1.49414062e-01, -2.16796875e-01, -6.29882812e-02, -1.05468750e-01,
-8.74023438e-02,  5.29785156e-02,  2.66113281e-02, -6.17675781e-02,
 8.93554688e-02,  2.28515625e-01, -8.15429688e-02, -1.23046875e-01,
-4.90722656e-02,  1.02539062e-01, -1.57226562e-01, -1.72851562e-01,
-2.58789062e-02,  2.08984375e-01,  1.13769531e-01,  1.31835938e-01,
 9.61914062e-02, -3.98437500e-01,  2.77343750e-01,  5.39550781e-02,
 1.39648438e-01, -7.95898438e-02,  4.04296875e-01,  5.98144531e-02,
 7.65991211e-03, -2.12890625e-01,  1.70898438e-01, -4.94384766e-03,
-5.05371094e-02, -5.02929688e-02, -2.06298828e-02, -3.08593750e-01,
-5.62500000e-01, -1.43554688e-01, -1.94091797e-02, -1.37695312e-01,
 7.17773438e-02, -1.73828125e-01,  3.83300781e-02,  5.61523438e-02,
 4.44335938e-02,  2.14843750e-02, -1.24023438e-01, -1.36718750e-01,
 3.02734375e-01,  1.57226562e-01, -3.63281250e-01,  2.02148438e-01,
 2.48046875e-01,  2.65625000e-01,  1.27929688e-01,  4.66308594e-02,
 2.05078125e-01,  2.21679688e-01, -7.87353516e-03, -7.12890625e-02,
 6.73828125e-02,  1.16210938e-01,  2.99072266e-02, -9.66796875e-02,
-1.02539062e-01, -2.31445312e-01, -2.03125000e-01, -2.72216797e-02,
-2.08007812e-01,  6.40869141e-03, -1.36718750e-01,  2.34375000e-01,
 9.66796875e-02,  1.73828125e-01, -2.38281250e-01,  3.00292969e-02,
 1.08886719e-01, -4.44335938e-02,  1.96289062e-01,  1.05957031e-01,
-8.78906250e-02, -1.07910156e-01, -1.03515625e-01,  1.16210938e-01,
 3.26171875e-01, -1.27563477e-02, -1.72851562e-01, -2.36328125e-01,
-3.88183594e-02, -2.34375000e-01,  1.67968750e-01,  2.44140625e-02,
-1.48437500e-01, -1.14135742e-02, -2.61718750e-01, -1.07421875e-01,
-6.54296875e-02,  1.65039062e-01, -1.05468750e-01, -2.13623047e-03,
-6.25000000e-02,  6.83593750e-02,  1.91650391e-02, -1.85546875e-01,
 1.04980469e-01,  6.04248047e-03, -2.65625000e-01, -1.13281250e-01,
 8.93554688e-02,  5.49316406e-02,  3.17382812e-02, -2.25585938e-01,
 2.63671875e-01, -5.88378906e-02,  7.56835938e-02, -2.57812500e-01,
-2.58789062e-02, -2.17773438e-01,  1.17675781e-01,  2.53906250e-01,
 5.49316406e-02,  5.88378906e-02, -1.01928711e-02, -1.49414062e-01,
-3.84765625e-01,  2.53906250e-01, -1.11816406e-01, -7.95898438e-02,
 8.98437500e-02,  3.26171875e-01,  2.88085938e-02, -3.18359375e-01,
-1.66992188e-01, -2.51464844e-02, -1.33789062e-01,  1.97265625e-01,
-1.30004883e-02, -6.56127930e-03, -6.15234375e-02,  2.77343750e-01,
 6.39648438e-02,  3.14453125e-01, -8.00781250e-02, -9.08203125e-02,
 3.83300781e-02, -4.76074219e-02, -1.95312500e-01, -1.59912109e-02,
```

```
        -2.79296875e-01, -3.39355469e-02, -1.81640625e-01,  1.03027344e-01,
         1.97753906e-02,  2.20703125e-01,  9.91210938e-02, -1.28906250e-0
1],
       dtype=float32),
 'impact': array([ 0.05688477,  0.10742188, -0.06494141,  0.03076172, -0.20
507812,
         0.10693359, -0.03686523,  0.03198242,  0.44335938,  0.33007812,
        -0.04785156, -0.32421875,  0.16015625,  0.14355469,  0.07568359,
         0.1015625 , -0.10449219,  0.17578125,  0.28710938, -0.1796875 ,
        -0.30664062,  0.06201172, -0.27148438,  0.06494141,  0.02954102,
         0.16503906,  0.17382812, -0.3203125 , -0.00927734,  0.08691406,
        -0.02478027, -0.25390625,  0.02185059, -0.22265625,  0.15234375,
         0.12792969,  0.06689453,  0.3515625 , -0.11181641, -0.08544922,
        -0.34179688, -0.01141357, -0.03222656,  0.15234375,  0.04663086,
        -0.37109375,  0.09814453,  0.03710938,  0.23828125, -0.0057373 ,
         0.11425781, -0.09228516, -0.07226562, -0.1484375 ,  0.09960938,
        -0.14746094, -0.16894531, -0.0062561 ,  0.12353516, -0.04052734,
        -0.10498047, -0.34570312, -0.05053711,  0.03198242,  0.00430298,
        -0.09033203, -0.03173828,  0.33984375, -0.32421875,  0.08349609,
        -0.14160156, -0.21679688,  0.08251953, -0.03173828,  0.11962891,
        -0.13867188,  0.125     ,  0.16503906, -0.10449219,  0.06835938,
         0.12304688, -0.08496094, -0.17773438,  0.01843262,  0.0859375 ,
        -0.10986328, -0.31835938,  0.11914062, -0.17675781, -0.02001953,
         0.29296875,  0.05200195,  0.22558594,  0.22265625, -0.18945312,
        -0.21972656, -0.15039062,  0.21191406,  0.18066406, -0.12695312,
         0.03100586,  0.07958984,  0.15820312,  0.20703125,  0.07177734,
        -0.33984375, -0.12695312, -0.1953125 ,  0.07177734, -0.37890625,
        -0.09863281, -0.15429688, -0.01196289, -0.08105469,  0.08056641,
        -0.16699219, -0.21289062,  0.16894531,  0.24023438,  0.11572266,
        -0.1171875 ,  0.14648438, -0.10400391,  0.20898438, -0.21191406,
         0.17578125,  0.02331543,  0.07714844, -0.00326538,  0.12988281,
         0.08300781,  0.0625    , -0.13867188,  0.00469971, -0.04589844,
         0.06591797, -0.04614258,  0.07861328,  0.07714844, -0.09667969,
        -0.00136566, -0.01855469, -0.03039551,  0.19628906,  0.2734375 ,
        -0.14550781,  0.25      , -0.08984375, -0.23925781, -0.02563477,
        -0.07421875,  0.1328125 , -0.11083984,  0.08300781,  0.07080078,
        -0.0267334 ,  0.03662109, -0.17773438, -0.07275391, -0.1484375 ,
         0.13183594,  0.15722656,  0.11474609, -0.10546875, -0.02539062,
         0.21972656, -0.09375   ,  0.1796875 ,  0.11425781,  0.06494141,
         0.0300293 , -0.03320312, -0.04150391, -0.12890625,  0.12792969,
         0.11523438,  0.20898438,  0.0010376 ,  0.14648438,  0.3046875 ,
        -0.25585938,  0.09228516,  0.15429688,  0.04199219, -0.06201172,
         0.07910156,  0.01165771,  0.1484375 ,  0.00662231,  0.11816406,
        -0.06030273, -0.00436401, -0.07666016, -0.03955078, -0.22753906,
         0.12451172,  0.15722656, -0.01098633,  0.21679688, -0.30078125,
         0.04296875,  0.13378906, -0.07080078, -0.27734375, -0.06884766,
        -0.08251953, -0.10302734, -0.20605469, -0.23535156,  0.16503906,
         0.14355469,  0.14648438, -0.14746094,  0.11621094, -0.1875    ,
        -0.22363281,  0.11865234,  0.07275391, -0.00378418, -0.06054688,
        -0.17773438,  0.25976562, -0.25390625,  0.02490234,  0.0234375 ,
        -0.04516602,  0.25195312, -0.10107422, -0.01574707,  0.15332031,
         0.2265625 ,  0.29101562,  0.15332031, -0.10302734,  0.09130859,
        -0.18652344, -0.109375  , -0.30078125,  0.06689453, -0.18261719,
        -0.1875    ,  0.10595703,  0.16796875, -0.08203125, -0.20703125,
        -0.16015625, -0.14453125,  0.0625    ,  0.01025391, -0.21289062,
         0.13183594, -0.02380371, -0.00357056,  0.02734375,  0.21875   ,
        -0.15722656,  0.02111816,  0.06835938, -0.03088379, -0.14941406,
        -0.24609375,  0.03295898, -0.1953125 ,  0.08007812, -0.07177734,
         0.11230469,  0.05200195, -0.10742188, -0.05664062, -0.25390625,
        -0.21679688,  0.01416016, -0.03710938,  0.19628906,  0.05883789,
        -0.08154297, -0.06542969,  0.14746094, -0.05029297, -0.02258301,
         0.3046875 ,  0.13378906,  0.14941406,  0.22070312, -0.265625  ,
        -0.20410156, -0.15722656,  0.07568359,  0.05639648, -0.01916504,
        -0.30273438,  0.02185059,  0.11523438, -0.13378906,  0.01495361,
```

```
         0.04345703,  0.05810547, -0.02722168,  0.01068115, -0.23144531],
       dtype=float32),
 'child': array([ 1.65039062e-01, -6.39648438e-02, -1.78527832e-03,  1.8457
0312e-01,
        -1.18164062e-01,  1.16210938e-01,  2.77343750e-01,  4.61425781e-02,
         3.34472656e-02, -1.78710938e-01,  2.48046875e-01, -1.29882812e-01,
         1.22558594e-01, -5.66406250e-02, -1.61132812e-01,  1.24511719e-01,
        -1.44531250e-01,  1.58203125e-01, -9.57031250e-02,  8.39843750e-02,
         1.02050781e-01,  2.33154297e-02,  2.53906250e-01, -1.32446289e-02,
         2.34375000e-02, -2.98828125e-01,  4.45556641e-03,  8.49609375e-02,
         2.04101562e-01, -1.88476562e-01, -9.13085938e-02, -1.55273438e-01,
        -4.17968750e-01, -1.23535156e-01, -3.28125000e-01,  4.58984375e-02,
         3.49609375e-01, -1.04980469e-01, -1.59179688e-01,  1.37695312e-01,
        -1.96289062e-01,  7.37304688e-02,  1.53320312e-01, -5.46875000e-02,
         1.57226562e-01,  1.95312500e-02,  2.13867188e-01,  1.45507812e-01,
         2.50244141e-02,  1.41601562e-02,  1.02539062e-01,  3.27148438e-02,
        -4.66308594e-02,  8.00781250e-02,  2.14843750e-01, -1.99218750e-01,
        -3.02734375e-01,  3.25012207e-03,  8.48388672e-03,  7.71484375e-02,
         8.25195312e-02,  1.63085938e-01,  1.15356445e-02, -1.13769531e-01,
         1.11816406e-01, -5.00488281e-02, -1.26953125e-01,  2.16064453e-02,
         4.24804688e-02, -6.39648438e-02,  1.79687500e-01, -1.34468079e-04,
        -2.13867188e-01,  1.45507812e-01, -1.71875000e-01,  2.75390625e-01,
         1.51367188e-01,  4.27246094e-03,  1.96289062e-01,  1.61132812e-01,
         1.45507812e-01, -1.05957031e-01, -1.48437500e-01, -2.41699219e-02,
        -1.98242188e-01,  7.47680664e-03,  3.71093750e-01,  1.14746094e-01,
        -9.96093750e-02,  2.24609375e-02,  8.83789062e-02, -1.56250000e-01,
        -1.23046875e-01, -1.68945312e-01, -7.22656250e-02, -1.24511719e-01,
         3.02734375e-01, -8.59375000e-02,  4.56542969e-02,  4.44335938e-02,
        -5.22460938e-02, -2.10937500e-01, -8.64257812e-02, -1.81640625e-01,
        -1.23535156e-01, -1.66015625e-01,  9.13085938e-02, -4.88281250e-02,
         2.34375000e-02, -7.32421875e-02, -1.79443359e-02,  1.18164062e-01,
        -1.56250000e-02,  5.15747070e-03, -8.69140625e-02, -7.61718750e-02,
        -6.12792969e-02, -6.93359375e-02, -1.58203125e-01,  4.46777344e-02,
        -9.61914062e-02, -3.31115723e-03, -1.33789062e-01,  1.86523438e-01,
        -1.03515625e-01,  1.77734375e-01,  1.02050781e-01,  5.27343750e-02,
        -8.74023438e-02,  7.17773438e-02,  4.46777344e-02, -2.35351562e-01,
        -1.48437500e-01, -3.12500000e-02, -8.44726562e-02, -1.59179688e-01,
         6.44531250e-02, -6.29882812e-02,  7.86132812e-02,  5.44433594e-02,
         1.67968750e-01, -1.01074219e-01, -1.71875000e-01,  1.73828125e-01,
        -1.54113770e-03,  2.69531250e-01, -2.25830078e-02,  3.98437500e-01,
        -1.65039062e-01,  6.03027344e-02,  6.79687500e-01, -1.19628906e-01,
        -1.80664062e-01, -3.93676758e-03,  6.93359375e-02, -4.39453125e-02,
        -6.10351562e-02, -3.16406250e-01,  1.02050781e-01, -1.17187500e-01,
        -5.05371094e-02,  4.05273438e-02,  1.09863281e-01,  1.52343750e-01,
        -2.53906250e-01, -5.59082031e-02, -3.51562500e-02, -2.25830078e-02,
         8.74023438e-02, -5.95703125e-02,  2.41699219e-02, -1.54296875e-01,
         6.59179688e-02, -2.29492188e-01, -8.39843750e-02,  5.22460938e-02,
         2.53906250e-01,  2.69531250e-01, -1.94335938e-01,  1.32812500e-01,
        -1.58203125e-01, -1.46484375e-01, -7.72094727e-03, -4.90722656e-02,
        -2.07031250e-01,  2.59765625e-01, -1.32812500e-01,  3.01513672e-02,
        -6.88476562e-02,  1.56250000e-01, -1.02539062e-01, -1.32812500e-01,
        -2.28515625e-01, -5.46875000e-02,  2.08984375e-01,  2.18750000e-01,
        -6.49414062e-02, -2.33398438e-01, -7.95898438e-02, -9.71679688e-02,
        -9.08203125e-02, -5.00488281e-02, -1.20117188e-01, -3.88671875e-01,
         1.95312500e-02, -3.02734375e-02, -1.74804688e-01, -1.40625000e-01,
         1.92382812e-01, -2.14843750e-01,  4.83398438e-02,  5.27343750e-02,
         7.26318359e-03, -2.47070312e-01, -1.87500000e-01,  1.86523438e-01,
         1.49414062e-01,  1.46484375e-01, -1.74804688e-01,  2.57873535e-03,
         1.16699219e-01, -2.37304688e-01,  3.71093750e-01, -1.98242188e-01,
         2.17285156e-02, -1.30859375e-01,  1.30859375e-01, -2.40234375e-01,
         1.64062500e-01, -1.15722656e-01,  2.88085938e-02, -2.45361328e-02,
        -1.35742188e-01,  1.06445312e-01, -2.96875000e-01, -5.49316406e-02,
        -8.93554688e-02, -2.09960938e-01,  8.93554688e-02, -6.15234375e-02,
        -7.62939453e-03, -3.30078125e-01,  1.29882812e-01, -1.59179688e-01,
```

```
        -2.64892578e-02,  3.06640625e-01, -2.25585938e-01,  3.61328125e-02,
         2.34375000e-02, -1.76757812e-01, -6.80541992e-03, -1.58203125e-01,
        -2.89306641e-02, -1.06445312e-01,  8.15429688e-02,  5.49316406e-02,
         7.93457031e-03,  1.47460938e-01, -6.22558594e-02, -2.08007812e-01,
        -1.44531250e-01, -2.69775391e-02, -1.78710938e-01, -7.91015625e-02,
        -2.64892578e-02,  1.94335938e-01, -7.56835938e-02,  1.14257812e-01,
        -4.66796875e-01,  7.91015625e-02, -6.12792969e-02,  9.22851562e-02,
         3.02734375e-02,  1.26953125e-01,  1.31835938e-01, -9.71679688e-02,
         9.81445312e-02, -1.67968750e-01, -2.50244141e-02, -1.22558594e-01,
         9.42382812e-02, -1.78710938e-01,  3.49121094e-02,  1.89453125e-01,
        -1.04003906e-01,  8.83789062e-02, -8.88671875e-02, -8.49609375e-02,
         8.85009766e-03,  4.49218750e-01, -2.96875000e-01,  5.83496094e-02,
        -4.49218750e-02, -1.70898438e-01, -4.39453125e-03,  9.42382812e-02,
        -4.51660156e-02, -6.62231445e-03, -1.54296875e-01,  7.56835938e-0
2],
       dtype=float32),
 'community': array([-0.171875  , -0.04711914,  0.0168457 ,  0.04589844,
0.01306152,
        -0.0267334 , -0.07128906,  0.05712891,  0.17578125, -0.08105469,
        -0.02807617,  0.03564453, -0.02087402,  0.04833984,  0.00466919,
         0.08105469, -0.12695312,  0.20800781,  0.02990723, -0.03930664,
        -0.04589844,  0.01757812,  0.06591797, -0.1640625 , -0.06347656,
        -0.24316406, -0.22949219,  0.15429688,  0.07519531, -0.3515625 ,
         0.00787354, -0.25195312, -0.13867188, -0.07080078,  0.140625  ,
        -0.09179688,  0.07226562, -0.11132812,  0.13476562,  0.01098633,
         0.00537109,  0.12695312, -0.20214844,  0.06933594, -0.10888672,
        -0.11767578, -0.19042969, -0.26367188, -0.05932617, -0.00830078,
         0.20898438,  0.09912109, -0.10498047,  0.01696777,  0.06835938,
        -0.06445312, -0.19726562,  0.22558594, -0.04956055,  0.00314331,
        -0.05004883,  0.00131989,  0.00091171,  0.03149414, -0.15234375,
         0.01202393, -0.06396484,  0.08349609,  0.08837891, -0.08251953,
        -0.08154297,  0.10107422,  0.08251953, -0.0703125 ,  0.08789062,
        -0.02636719,  0.03173828,  0.02282715,  0.2578125 , -0.01348877,
        -0.09619141, -0.07617188,  0.06933594,  0.04418945, -0.13867188,
        -0.09912109, -0.36132812,  0.04956055,  0.28515625, -0.00872803,
         0.19628906, -0.19433594,  0.01074219, -0.359375  , -0.04321289,
         0.17871094, -0.16113281, -0.00390625, -0.00662231, -0.140625  ,
        -0.0534668 ,  0.18652344,  0.05688477, -0.10253906, -0.16992188,
         0.08203125,  0.07226562,  0.02282715,  0.15234375, -0.2578125 ,
        -0.30664062, -0.04760742,  0.08300781,  0.05541992,  0.0703125 ,
        -0.21582031,  0.02429199,  0.04980469,  0.0703125 ,  0.00379944,
         0.06738281, -0.07324219, -0.26953125,  0.1640625 , -0.06738281,
         0.24121094, -0.01507568,  0.03588867, -0.06103516, -0.06835938,
        -0.00976562, -0.19628906, -0.01635742,  0.02954102,  0.10009766,
         0.1015625 ,  0.13574219, -0.10595703,  0.10693359, -0.01623535,
        -0.2421875 , -0.04248047, -0.03833008, -0.19238281,  0.09716797,
        -0.02026367,  0.17089844,  0.07861328, -0.06005859, -0.1796875 ,
         0.3203125 ,  0.11816406, -0.18164062,  0.16796875,  0.04956055,
        -0.07080078,  0.12109375, -0.15722656, -0.07275391, -0.05126953,
         0.00476074,  0.20898438, -0.03515625,  0.04296875,  0.06347656,
         0.01904297,  0.14550781, -0.0859375 ,  0.25976562,  0.11523438,
         0.02893066, -0.03564453,  0.05029297, -0.203125  ,  0.3125    ,
         0.06054688,  0.12695312,  0.02941895, -0.03198242,  0.16308594,
        -0.05639648, -0.09033203,  0.1953125 , -0.13085938,  0.09082031,
        -0.09521484, -0.08251953,  0.0003891 ,  0.18945312,  0.125     ,
        -0.08349609, -0.0324707 ,  0.21289062, -0.01757812, -0.22558594,
        -0.25      ,  0.00775146,  0.1171875 , -0.06494141,  0.05493164,
        -0.30273438, -0.12304688,  0.14355469, -0.3359375 , -0.16113281,
        -0.19140625,  0.01495361, -0.04760742,  0.01031494, -0.08056641,
         0.07128906, -0.09228516, -0.01464844,  0.15234375, -0.0246582 ,
        -0.02099609, -0.15722656,  0.22460938, -0.21679688,  0.05712891,
        -0.00958252, -0.00350952, -0.15917969, -0.02868652, -0.16015625,
        -0.13964844,  0.22851562, -0.05126953,  0.11914062,  0.01257324,
        -0.16894531, -0.0703125 ,  0.01806641, -0.24707031, -0.01556396,
```

```
        -0.125     ,  0.13574219,  0.00531006,  0.16210938,  0.09716797,
         0.0177002 , -0.05273438, -0.05273438, -0.05761719,  0.06591797,
         0.07177734,  0.14941406, -0.04077148, -0.02612305, -0.08349609,
        -0.13476562,  0.2734375 ,  0.06176758, -0.02612305,  0.26171875,
        -0.25585938,  0.1796875 ,  0.0402832 , -0.22558594,  0.0625    ,
        -0.19921875, -0.28320312, -0.07226562,  0.08398438, -0.07910156,
         0.18847656,  0.07568359,  0.11132812, -0.35546875, -0.046875  ,
        -0.09326172, -0.14355469,  0.0267334 , -0.00212097, -0.04907227,
        -0.20898438,  0.012146  , -0.20410156, -0.2265625 , -0.12109375,
        -0.15625   , -0.18359375,  0.12402344,  0.13476562, -0.13183594,
         0.18945312, -0.15527344, -0.11132812,  0.18945312,  0.12890625,
        -0.11083984,  0.05029297, -0.26757812,  0.12792969,  0.1015625 ,
         0.14550781, -0.08837891, -0.15332031,  0.15527344, -0.15039062],
       dtype=float32),
 'together': array([-0.10839844, -0.13769531, -0.05712891,  0.27539062, -0.
22753906,
        -0.12988281, -0.00823975, -0.26171875,  0.10400391, -0.04467773,
         0.07958984,  0.00823975, -0.15234375, -0.05493164, -0.22167969,
         0.15917969,  0.16308594,  0.31445312, -0.03039551, -0.10693359,
         0.0390625 ,  0.12158203,  0.10253906, -0.06298828,  0.16894531,
         0.16015625,  0.21777344, -0.05151367, -0.17285156, -0.10302734,
        -0.09912109,  0.20410156,  0.17578125,  0.01782227,  0.05249023,
         0.0534668 , -0.13378906, -0.16601562, -0.0032959 ,  0.26171875,
         0.03686523,  0.0111084 , -0.11669922, -0.05883789, -0.17578125,
         0.02392578, -0.03857422, -0.171875  ,  0.24023438,  0.20996094,
         0.18945312,  0.14453125, -0.23730469, -0.04248047, -0.046875  ,
        -0.01306152,  0.07080078, -0.08154297,  0.04956055, -0.03320312,
         0.1640625 ,  0.15136719, -0.21191406, -0.20605469, -0.078125  ,
         0.21191406, -0.03051758,  0.15332031,  0.02807617,  0.11328125,
         0.04394531, -0.13867188,  0.08984375,  0.04882812, -0.01904297,
         0.04174805,  0.0112915 ,  0.07177734, -0.00439453, -0.04272461,
        -0.0078125 , -0.16699219,  0.11523438,  0.00061417, -0.00488281,
        -0.14550781, -0.1796875 , -0.09033203, -0.07226562,  0.28125   ,
         0.09228516, -0.09570312,  0.09521484, -0.3515625 , -0.16210938,
         0.02294922,  0.05224609, -0.18945312, -0.14257812, -0.08642578,
        -0.14941406, -0.19726562,  0.12890625,  0.21484375, -0.09423828,
         0.11132812,  0.12890625,  0.07226562,  0.10253906,  0.09130859,
        -0.14257812,  0.10839844,  0.42578125, -0.08740234,  0.15917969,
         0.1484375 , -0.01397705, -0.02539062, -0.18066406, -0.0378418 ,
        -0.07226562, -0.1796875 ,  0.02380371,  0.01635742, -0.18359375,
        -0.25585938, -0.03686523, -0.09277344, -0.09667969,  0.16503906,
         0.00424194, -0.02038574, -0.14550781, -0.0324707 ,  0.08349609,
         0.20410156,  0.06787109, -0.14355469, -0.08935547,  0.0612793 ,
         0.0546875 , -0.0612793 ,  0.140625  , -0.11376953, -0.0112915 ,
         0.06445312, -0.19824219, -0.07666016,  0.21191406,  0.21972656,
         0.26171875,  0.10693359, -0.12695312,  0.28515625,  0.09619141,
         0.04882812, -0.13769531,  0.05371094,  0.00372314, -0.12402344,
        -0.12353516,  0.08105469, -0.03540039,  0.28320312,  0.3125    ,
        -0.11865234, -0.04248047, -0.02929688, -0.12304688,  0.17871094,
        -0.09765625, -0.16894531,  0.12207031,  0.00765991,  0.14941406,
        -0.03222656,  0.17871094, -0.0534668 ,  0.06542969,  0.09326172,
         0.01000977,  0.08935547,  0.1328125 ,  0.15625   , -0.02282715,
        -0.12792969, -0.05029297, -0.05786133,  0.11962891,  0.01318359,
        -0.0234375 ,  0.00823975,  0.04052734, -0.23730469, -0.0703125 ,
        -0.06640625,  0.14941406,  0.09960938, -0.17089844, -0.296875  ,
         0.13671875,  0.18261719,  0.10449219, -0.06835938, -0.18359375,
        -0.12304688, -0.15625   , -0.03735352,  0.1328125 ,  0.10009766,
        -0.05078125,  0.00601196, -0.125     ,  0.03491211,  0.10546875,
        -0.12109375,  0.12597656,  0.3046875 ,  0.01446533,  0.32421875,
        -0.02832031,  0.01397705,  0.02514648,  0.16796875, -0.20800781,
        -0.20214844,  0.125     ,  0.22851562, -0.04711914, -0.13574219,
        -0.01190186, -0.109375  ,  0.19042969, -0.18066406,  0.02453613,
        -0.20507812,  0.046875  ,  0.07275391,  0.17480469,  0.25      ,
        -0.31640625,  0.12792969, -0.22949219,  0.0546875 ,  0.09423828,
```

```
         0.04345703,  0.04785156,  0.015625  , -0.09277344, -0.01080322,
        -0.12158203,  0.23730469, -0.09619141,  0.00402832,  0.05712891,
        -0.07958984,  0.02160645, -0.27929688,  0.11035156, -0.17285156,
        -0.16992188, -0.02990723, -0.09375   , -0.03540039,  0.09765625,
         0.16894531,  0.04492188,  0.04272461, -0.27734375,  0.00909424,
         0.14355469,  0.12792969,  0.13183594,  0.20800781,  0.51171875,
        -0.06689453, -0.05688477, -0.17578125, -0.21972656, -0.22753906,
        -0.00775146, -0.11621094, -0.18652344,  0.02722168, -0.11621094,
        -0.17578125, -0.20800781,  0.06738281,  0.2265625 ,  0.02124023,
        -0.08935547,  0.1953125 , -0.17480469,  0.078125  , -0.25585938,
         0.12353516,  0.00708008, -0.05566406, -0.02368164,  0.06030273],
       dtype=float32),
 'therapeutic': array([-1.15722656e-01,  2.15820312e-01,  1.66992188e-01,
3.88183594e-02,
         7.56835938e-02, -1.34765625e-01, -1.41601562e-01, -3.67187500e-01,
         7.22656250e-02, -2.11914062e-01, -1.88476562e-01, -1.74804688e-01,
         3.55468750e-01,  1.82617188e-01,  3.32031250e-02,  2.00195312e-01,
        -1.82617188e-01,  3.49609375e-01,  1.23535156e-01, -4.66308594e-02,
         2.65625000e-01, -4.51660156e-02, -1.54296875e-01,  1.90429688e-01,
        -3.98437500e-01, -3.49609375e-01, -1.76757812e-01,  1.17675781e-01,
         4.22363281e-02,  8.00781250e-02, -1.49414062e-01, -1.78710938e-01,
         6.65283203e-03,  1.57226562e-01, -3.00781250e-01, -2.69531250e-01,
        -7.81250000e-02, -1.45721436e-03,  7.47070312e-02, -3.30078125e-01,
         2.02636719e-02,  2.67578125e-01, -1.01562500e-01,  1.34765625e-01,
        -2.59765625e-01, -2.58789062e-02,  1.97265625e-01,  2.50000000e-01,
         6.59179688e-02, -1.60156250e-01,  6.83593750e-03,  7.76367188e-02,
        -2.05078125e-01, -1.17675781e-01,  3.08593750e-01, -1.50390625e-01,
        -2.70996094e-02, -1.99218750e-01,  3.75000000e-01,  1.57226562e-01,
        -2.85156250e-01,  1.67968750e-01,  5.19531250e-01, -2.04101562e-01,
        -3.41796875e-01, -5.37109375e-02,  8.34960938e-02,  2.67578125e-01,
        -2.04101562e-01, -2.24609375e-01, -5.20019531e-02, -9.71679688e-02,
         6.03027344e-02,  2.85156250e-01,  1.31835938e-02, -7.66601562e-02,
        -2.92968750e-03, -3.45703125e-01,  2.69531250e-01,  1.88476562e-01,
        -3.18359375e-01, -1.32812500e-01,  6.78710938e-02,  3.53515625e-01,
         1.89453125e-01, -1.56250000e-01, -1.28784180e-02,  6.73828125e-02,
        -1.59179688e-01, -7.61718750e-02,  1.20239258e-02, -7.42187500e-02,
         1.08886719e-01,  2.07031250e-01,  1.16210938e-01, -1.76757812e-01,
         2.96875000e-01, -1.61132812e-01, -8.59375000e-02, -3.28125000e-01,
         9.17968750e-02,  5.06591797e-03,  1.46484375e-01, -1.22070312e-01,
        -3.99780273e-03, -2.69531250e-01, -1.25976562e-01, -7.86132812e-02,
         4.23828125e-01,  1.60156250e-01, -1.57226562e-01,  1.48315430e-02,
         5.12695312e-02,  7.12890625e-02,  5.66406250e-01, -1.69921875e-01,
         1.65039062e-01, -3.71093750e-01,  2.55859375e-01, -2.83203125e-01,
        -2.09960938e-02, -2.05078125e-01,  2.53906250e-02, -2.33398438e-01,
         1.08398438e-01, -1.52343750e-01, -2.06054688e-01,  2.50000000e-01,
        -4.39453125e-03,  1.07421875e-01,  7.32421875e-02, -8.10546875e-02,
        -1.19628906e-01, -4.14062500e-01, -1.66992188e-01, -2.57812500e-01,
         5.39062500e-01, -2.42187500e-01,  2.61718750e-01,  1.55029297e-02,
        -3.02734375e-02, -2.60925293e-03, -2.53906250e-01,  4.57763672e-03,
         2.44140625e-01,  4.17480469e-02, -1.89453125e-01,  8.10546875e-02,
        -4.94384766e-03, -2.23632812e-01,  3.10546875e-01, -3.24218750e-01,
        -7.27539062e-02,  5.07812500e-02,  3.85742188e-02, -7.47070312e-02,
         6.03027344e-02, -3.51562500e-01, -1.44531250e-01,  1.31225586e-02,
        -3.80859375e-02,  3.71093750e-02, -1.67968750e-01,  5.00000000e-01,
         2.20947266e-02,  5.54199219e-02, -1.61132812e-01, -3.86047363e-03,
        -5.95703125e-02, -1.14135742e-02,  1.03027344e-01, -3.71093750e-01,
        -3.73046875e-01, -1.91406250e-01,  2.15820312e-01,  5.54199219e-02,
         1.46484375e-01, -4.17968750e-01, -1.68945312e-01,  3.75976562e-02,
        -4.57031250e-01,  1.48437500e-01, -1.25000000e-01, -2.47070312e-01,
        -4.51171875e-01, -2.00195312e-01,  1.58691406e-03, -1.33666992e-02,
         5.73730469e-02, -3.41796875e-01, -2.34375000e-01, -4.56542969e-02,
         1.74804688e-01, -6.86645508e-03,  1.89453125e-01, -8.20312500e-02,
        -1.19140625e-01, -3.33984375e-01, -3.88183594e-02, -3.59375000e-01,
         1.20117188e-01, -2.96875000e-01,  4.58984375e-02,  1.35742188e-01,
```

```
        -3.08593750e-01, -4.04296875e-01,  3.01513672e-02,  2.65625000e-01,
        -1.22070312e-01, -3.17382812e-02, -2.73437500e-01, -3.43750000e-01,
        -3.78906250e-01,  1.02050781e-01,  2.63671875e-01, -1.36108398e-02,
         1.69921875e-01, -1.48925781e-02, -2.08740234e-02, -3.24218750e-01,
         3.90625000e-02,  1.70898438e-01,  2.89062500e-01, -5.49316406e-02,
         2.31445312e-01, -4.32128906e-02,  6.93359375e-02, -2.59765625e-01,
        -1.31835938e-01,  1.26953125e-01, -7.03125000e-02,  3.00781250e-01,
        -7.81250000e-02, -4.58984375e-02, -4.37500000e-01, -7.27539062e-02,
         2.89916992e-03,  1.33789062e-01, -1.09375000e-01, -2.61718750e-01,
         4.53125000e-01, -6.44531250e-02,  3.22265625e-01,  9.32617188e-02,
        -1.85546875e-01,  2.32421875e-01,  1.48437500e-01,  1.65039062e-01,
        -2.87109375e-01, -3.55468750e-01,  9.17968750e-02, -1.60156250e-01,
         3.61328125e-01,  2.92968750e-01,  1.56250000e-01,  2.23632812e-01,
        -1.74804688e-01, -3.49609375e-01, -7.22656250e-02, -2.07031250e-01,
        -2.71484375e-01, -3.12500000e-01,  4.58984375e-02, -2.35351562e-01,
        -1.98242188e-01,  1.78710938e-01,  1.00097656e-01, -2.04101562e-01,
        -3.14453125e-01, -1.48437500e-01, -9.15527344e-03,  2.48046875e-01,
         1.37695312e-01, -1.71875000e-01, -1.54418945e-02,  2.29492188e-01,
        -6.98242188e-02, -2.23632812e-01,  5.27343750e-02,  1.61132812e-01,
         1.53320312e-01,  3.14453125e-01, -1.95312500e-03, -1.87500000e-01,
        -1.36718750e-01,  1.86767578e-02, -7.91015625e-02,  1.32812500e-01,
         2.44140625e-02,  9.42382812e-02, -5.93261719e-02,  9.71679688e-02,
        -3.24249268e-04,  6.49414062e-02, -7.37304688e-02,  3.04687500e-01,
         9.47265625e-02,  2.94921875e-01,  1.85546875e-01,  1.27929688e-0
1],
       dtype=float32),
 'behavioral': array([-3.97949219e-02, -5.07812500e-02, -9.86328125e-02,
2.41210938e-01,
        -2.34375000e-02, -1.94335938e-01,  1.71875000e-01,  2.23632812e-01,
        -3.66210938e-02, -2.05078125e-01,  1.61132812e-01, -2.13867188e-01,
        -1.17187500e-01,  1.93359375e-01, -1.33789062e-01,  2.26562500e-01,
        -1.04003906e-01,  2.89062500e-01,  2.52685547e-02, -1.98242188e-01,
         5.00488281e-02, -1.98242188e-01,  6.93359375e-02,  7.47070312e-02,
        -1.98242188e-01, -1.95312500e-01, -2.25585938e-01,  2.51953125e-01,
        -3.36914062e-02, -2.67578125e-01, -2.42187500e-01, -2.19726562e-02,
        -7.12890625e-02, -1.41601562e-01, -9.22851562e-02, -1.45507812e-01,
        -1.06445312e-01,  1.00097656e-01, -6.98242188e-02, -2.12890625e-01,
        -9.58251953e-03,  2.50244141e-03, -1.27929688e-01,  2.39257812e-01,
        -3.05175781e-02, -3.44238281e-02,  1.44653320e-02,  5.22460938e-02,
        -1.21093750e-01,  1.24511719e-01, -2.44140625e-01,  6.93359375e-02,
        -4.08203125e-01, -7.95898438e-02,  1.92382812e-01,  6.22558594e-02,
        -6.59179688e-02, -2.67578125e-01,  9.32617188e-02, -2.96875000e-01,
        -1.51367188e-01,  3.20312500e-01,  4.12109375e-01,  7.17773438e-02,
        -1.56250000e-01,  1.78710938e-01,  4.02832031e-02,  2.13867188e-01,
        -4.24804688e-02,  4.39453125e-02, -3.63769531e-02, -1.92382812e-01,
         8.54492188e-02,  4.93164062e-02,  4.66308594e-02, -8.20312500e-02,
         9.86328125e-02,  2.39257812e-01,  3.08227539e-03,  5.30242920e-04,
        -2.30407715e-03,  1.38671875e-01, -1.11328125e-01,  2.81982422e-02,
         2.79296875e-01, -3.45703125e-01,  1.25976562e-01,  1.43554688e-01,
        -2.18750000e-01, -1.80664062e-01,  3.20312500e-01, -3.28125000e-01,
        -1.51367188e-01,  5.24902344e-02,  1.83593750e-01, -4.07714844e-02,
         4.17968750e-01, -6.22558594e-03, -6.29882812e-02,  1.55273438e-01,
         5.54687500e-01,  3.17382812e-02, -4.32128906e-02,  1.02050781e-01,
         3.39843750e-01, -2.87109375e-01,  1.50390625e-01,  4.95605469e-02,
         3.66210938e-02, -1.54296875e-01, -1.10351562e-01, -1.56250000e-01,
        -1.72851562e-01, -2.13867188e-01,  1.62109375e-01,  2.90527344e-02,
        -2.55859375e-01, -1.47460938e-01,  1.61132812e-01,  3.07617188e-02,
        -2.00195312e-01,  4.29687500e-02, -2.96875000e-01, -1.42822266e-02,
         3.10058594e-02,  2.57568359e-02, -9.37500000e-02,  3.18359375e-01,
         1.16699219e-01,  3.08593750e-01, -1.25976562e-01, -3.55468750e-01,
        -2.01171875e-01, -1.49414062e-01, -7.61718750e-02, -2.05078125e-01,
         2.77343750e-01,  1.92382812e-01,  3.32031250e-02,  1.73828125e-01,
         4.22363281e-02, -1.62109375e-01, -3.33984375e-01, -1.28906250e-01,
        -1.24023438e-01,  3.19824219e-02,  5.10253906e-02,  2.55859375e-01,
```

```
        -2.20703125e-01, -1.24023438e-01,  7.56835938e-02, -1.50299072e-03,
        -9.57031250e-02, -3.22265625e-02, -1.73828125e-01, -3.04687500e-01,
        -5.49316406e-02, -4.34570312e-02,  2.00195312e-01, -3.07617188e-02,
         8.54492188e-02,  2.71484375e-01, -2.11914062e-01,  4.83398438e-02,
        -8.69140625e-02,  1.52343750e-01, -1.34765625e-01, -1.63085938e-01,
         9.22851562e-02,  2.50000000e-01,  4.02832031e-02, -1.58203125e-01,
        -1.17797852e-02,  1.23046875e-01,  3.26171875e-01,  3.10546875e-01,
         1.39648438e-01,  2.51953125e-01, -1.99218750e-01,  9.52148438e-02,
         5.39550781e-02,  3.93066406e-02,  4.83398438e-02,  2.92968750e-01,
         1.07765198e-04, -4.17480469e-02, -2.16796875e-01,  1.08886719e-01,
         1.95312500e-02,  2.99072266e-02, -2.85156250e-01, -1.80664062e-01,
         1.57226562e-01, -1.19140625e-01, -1.41601562e-01, -4.00390625e-02,
         2.83203125e-02, -3.69140625e-01, -1.15234375e-01,  2.56347656e-02,
        -1.42578125e-01,  2.55859375e-01, -7.56835938e-03, -2.09960938e-01,
         3.12500000e-02,  2.41699219e-02,  2.77343750e-01,  2.40478516e-02,
         1.84570312e-01, -2.83203125e-02, -3.82812500e-01, -2.44140625e-01,
        -3.10058594e-02, -9.52148438e-02,  1.35742188e-01, -6.07910156e-02,
         3.14453125e-01,  5.12695312e-02, -2.94921875e-01,  6.34765625e-02,
        -2.91015625e-01, -2.47802734e-02,  1.46484375e-01, -1.37695312e-01,
         5.02929688e-02, -1.37695312e-01,  1.90429688e-01, -4.19921875e-02,
        -2.67578125e-01,  2.08007812e-01,  1.53320312e-01, -2.08984375e-01,
        -4.78515625e-02, -1.65039062e-01, -1.25000000e-01,  1.90429688e-01,
         2.77709961e-03,  2.16674805e-03,  1.15234375e-01, -1.61132812e-01,
         5.93261719e-02, -1.46484375e-01,  3.54003906e-02, -9.57031250e-02,
        -2.98828125e-01,  1.63085938e-01, -9.76562500e-02,  3.14453125e-01,
        -1.59179688e-01, -2.17773438e-01, -1.91650391e-02, -1.02050781e-01,
        -2.06054688e-01, -7.53784180e-03, -1.83593750e-01, -2.02148438e-01,
         8.64257812e-02,  7.37304688e-02, -3.03649902e-03,  1.82617188e-01,
        -1.65039062e-01, -7.71484375e-02, -2.85156250e-01,  2.47070312e-01,
        -1.67968750e-01, -2.17773438e-01, -1.89453125e-01, -1.08642578e-02,
        -2.31445312e-01,  4.12109375e-01, -1.26953125e-01,  7.61718750e-02,
        -1.03027344e-01, -4.15039062e-02,  1.73828125e-01, -1.48437500e-01,
        -7.42187500e-02, -6.22558594e-02,  3.11279297e-02, -1.42578125e-01,
        -7.47070312e-02, -3.12500000e-02,  1.76757812e-01,  5.17578125e-02,
        -2.81250000e-01, -2.16796875e-01,  1.55273438e-01, -5.17368317e-05,
         2.53906250e-01,  2.22656250e-01, -1.21093750e-01,  3.10546875e-01,
         1.20605469e-01, -2.05078125e-02,  3.12500000e-02,  5.68847656e-02,
         1.49414062e-01,  7.66601562e-02,  2.24609375e-01,  2.53906250e-0
1],
       dtype=float32),
 'health': array([-7.42187500e-02,  1.12792969e-01,  9.47265625e-02,  7.177
73438e-02,
         4.95605469e-02,  6.22558594e-02,  4.66308594e-02, -9.57031250e-02,
         2.12890625e-01, -7.22656250e-02, -4.24804688e-02, -2.67578125e-01,
        -1.90429688e-01,  1.60156250e-01, -4.51660156e-02,  2.47070312e-01,
         1.12792969e-01,  3.32031250e-01,  9.64355469e-03,  1.50390625e-01,
         1.13769531e-01, -1.61132812e-01,  5.46875000e-02,  1.79687500e-01,
         1.51367188e-02,  1.75781250e-02, -1.87500000e-01,  7.66601562e-02,
         3.39355469e-02, -1.25976562e-01, -1.91406250e-01,  3.90625000e-03,
         7.56835938e-02, -2.83203125e-01, -2.00195312e-01, -5.05371094e-02,
         1.32812500e-01,  1.43554688e-01, -1.66015625e-01,  9.08203125e-02,
        -3.73046875e-01, -8.00781250e-02, -1.90429688e-01,  9.37500000e-02,
        -1.16699219e-01, -1.81640625e-01,  8.44726562e-02,  9.13085938e-02,
        -1.86767578e-02, -2.05993652e-03,  4.15039062e-02, -2.67333984e-02,
        -8.25195312e-02,  1.28906250e-01, -1.17797852e-02, -4.88281250e-02,
        -5.41992188e-02, -1.08398438e-01, -1.04492188e-01, -8.00781250e-02,
        -9.03320312e-02,  1.66015625e-01,  1.22558594e-01,  8.49609375e-02,
         7.61718750e-02,  1.94335938e-01, -5.78613281e-02,  4.25781250e-01,
        -7.51953125e-02, -1.68945312e-01, -1.91406250e-01,  8.15429688e-02,
         2.98828125e-01,  1.07910156e-01, -2.92968750e-01, -9.86328125e-02,
        -1.41601562e-01,  3.54003906e-02, -1.09863281e-01,  2.08007812e-01,
        -5.46875000e-02, -1.96533203e-02,  4.51660156e-02,  9.57031250e-02,
        -2.18505859e-02, -9.52148438e-03, -2.61718750e-01, -2.92968750e-02,
        -8.30078125e-02, -1.41601562e-01,  3.76953125e-01, -2.61718750e-01,
```

```
        -3.41796875e-02, -6.10351562e-02, -4.58984375e-02,  8.49609375e-02,
         2.48046875e-01,  7.81250000e-02,  8.83789062e-02,  7.95898438e-02,
         1.31225586e-03,  1.92871094e-02,  6.05468750e-02,  1.35742188e-01,
        -6.64062500e-02, -6.44531250e-02,  2.19726562e-02,  8.25195312e-02,
         1.25976562e-01, -7.61718750e-02,  1.12304688e-01,  6.83593750e-02,
         5.56640625e-02, -1.26953125e-01, -6.10351562e-02,  2.51464844e-02,
         2.70996094e-02, -1.66015625e-01, -5.07812500e-02,  1.25976562e-01,
        -3.20312500e-01, -1.17675781e-01, -2.12890625e-01,  1.38671875e-01,
         1.33789062e-01,  3.12500000e-02,  5.39550781e-02, -2.03125000e-01,
         5.10253906e-02,  8.59375000e-02, -9.81445312e-02, -4.22363281e-02,
        -2.51953125e-01, -2.21679688e-01, -1.51367188e-01, -9.71679688e-02,
         1.12304688e-02, -7.08007812e-02,  1.59179688e-01,  1.37695312e-01,
         2.01171875e-01,  2.09808350e-04, -1.49414062e-01, -1.08398438e-01,
        -2.22656250e-01, -1.99218750e-01,  2.00195312e-01,  1.44531250e-01,
        -1.61132812e-01,  2.34375000e-01,  6.64062500e-02, -1.48437500e-01,
        -6.22558594e-02,  6.39648438e-02,  3.39355469e-02,  5.95092773e-03,
         8.39843750e-02, -3.14453125e-01, -3.12500000e-02, -2.63671875e-01,
        -1.01562500e-01, -1.66015625e-02,  9.76562500e-02,  1.51367188e-01,
        -5.41992188e-02, -1.13769531e-01, -1.83593750e-01, -2.31445312e-01,
        -4.22363281e-02, -1.63085938e-01,  1.10839844e-01,  1.58203125e-01,
         1.30859375e-01, -1.15722656e-01, -1.61132812e-02,  1.07910156e-01,
         1.58203125e-01,  7.95898438e-02, -6.88476562e-02,  1.24511719e-01,
        -2.85156250e-01, -1.50390625e-01,  7.71484375e-02, -1.94335938e-01,
         1.66992188e-01, -1.81884766e-02, -4.02343750e-01,  1.10839844e-01,
        -1.29882812e-01,  1.22070312e-01, -3.14941406e-02, -4.71191406e-02,
        -1.75781250e-01, -1.68457031e-02, -9.71679688e-02,  1.11694336e-02,
         8.59375000e-02, -2.92968750e-02,  1.41601562e-01,  3.61328125e-02,
        -2.50000000e-01,  5.00488281e-02,  1.80664062e-01, -3.28125000e-01,
        -5.82885742e-03, -1.81640625e-01,  1.66015625e-01, -6.93359375e-02,
        -2.99072266e-02, -1.13769531e-01, -2.79296875e-01, -4.73632812e-02,
         8.44726562e-02,  8.30078125e-02,  7.03125000e-02,  3.75976562e-02,
         1.25000000e-01,  5.61523438e-02, -1.18164062e-01,  8.93554688e-02,
        -3.07617188e-02, -2.37304688e-01,  1.66015625e-01, -7.17773438e-02,
         1.70898438e-01, -2.36328125e-01, -4.71191406e-02, -3.31115723e-03,
        -2.03857422e-02,  2.00195312e-01,  2.41210938e-01,  8.98437500e-02,
         6.39648438e-02, -1.33789062e-01,  9.03320312e-03,  2.63671875e-02,
         2.89062500e-01,  1.12792969e-01,  4.42504883e-03, -2.16796875e-01,
         3.12500000e-02,  3.54003906e-02,  2.94921875e-01, -2.22167969e-02,
         1.62109375e-01, -1.89208984e-02,  3.17382812e-02, -1.71875000e-01,
        -1.66992188e-01, -5.93261719e-02, -2.09960938e-01, -9.64355469e-03,
         1.84570312e-01, -4.05273438e-02,  1.61132812e-02,  3.58886719e-02,
        -2.62451172e-02, -2.38037109e-02, -1.18652344e-01,  3.39843750e-01,
        -1.72119141e-02, -3.49121094e-02, -1.32812500e-01,  9.21630859e-03,
        -2.95410156e-02,  1.20239258e-02, -1.69921875e-01, -5.73730469e-03,
        -9.32617188e-02,  2.13867188e-01, -7.32421875e-02, -2.66113281e-02,
         9.86328125e-02, -1.63085938e-01, -6.64062500e-02, -1.56250000e-01,
         3.11279297e-02, -3.04687500e-01, -1.10473633e-02,  7.27539062e-02,
         2.16064453e-02, -1.02539062e-01,  3.12500000e-01,  5.98144531e-02,
        -3.00781250e-01, -1.78710938e-01, -6.93359375e-02,  1.40991211e-02,
         3.47656250e-01,  5.61523438e-02,  2.42919922e-02,  5.10253906e-02,
        -1.59912109e-02, -5.88378906e-02, -5.54199219e-02,  2.53906250e-01,
        -3.34472656e-02,  2.66113281e-02,  1.94335938e-01,  6.98242188e-0
2],
       dtype=float32),
 'believe': array([-0.1640625 ,  0.01080322,  0.03320312,  0.08007812, -0.1
0449219,
         0.09912109,  0.33789062, -0.10888672,  0.12207031,  0.08691406,
        -0.31054688, -0.171875  , -0.27539062,  0.10449219, -0.00427246,
         0.11767578,  0.00799561,  0.15917969, -0.15039062, -0.19921875,
        -0.078125  , -0.16992188,  0.0703125 , -0.21679688,  0.20996094,
         0.02233887,  0.02770996, -0.05175781,  0.07666016, -0.00430298,
        -0.0144043 ,  0.0004158 , -0.20507812,  0.08300781,  0.15234375,
         0.15234375,  0.05834961, -0.0703125 , -0.15234375,  0.00759888,
        -0.02893066,  0.12695312,  0.11035156, -0.17480469, -0.13964844,
```

```
        -0.24707031, -0.04785156, -0.18066406, -0.06030273, -0.04711914,
         0.04394531, -0.07177734, -0.12597656, -0.18261719,  0.19335938,
         0.22363281, -0.01049805, -0.11474609,  0.13574219,  0.01385498,
        -0.10986328,  0.28125   , -0.06445312,  0.0222168 ,  0.0859375 ,
        -0.07275391,  0.03710938,  0.17382812, -0.0145874 ,  0.17480469,
        -0.01043701,  0.078125  ,  0.16601562,  0.22265625, -0.06347656,
        -0.03759766,  0.01586914,  0.16992188,  0.24902344,  0.17871094,
        -0.02478027, -0.01745605,  0.25976562,  0.05151367, -0.30664062,
        -0.07519531, -0.11865234,  0.20605469, -0.00328064, -0.14355469,
         0.10791016, -0.13769531, -0.07421875, -0.10205078,  0.1875    ,
        -0.06689453, -0.05859375,  0.10546875,  0.01708984,  0.07910156,
        -0.10791016, -0.11816406,  0.23242188,  0.22363281,  0.18554688,
        -0.13476562,  0.01525879, -0.08447266,  0.02746582, -0.10351562,
        -0.03051758, -0.04638672, -0.12158203,  0.21777344, -0.00732422,
        -0.00610352,  0.03491211, -0.19140625, -0.18164062,  0.12207031,
        -0.00195312,  0.02441406, -0.20898438,  0.09912109, -0.20019531,
        -0.18359375, -0.16601562, -0.10107422, -0.21875   ,  0.04125977,
         0.02429199, -0.22753906, -0.03955078, -0.03710938,  0.203125  ,
        -0.12011719,  0.07373047,  0.21386719,  0.01647949,  0.17382812,
        -0.04663086, -0.24707031, -0.01318359, -0.00402832, -0.08837891,
         0.02453613,  0.00221252, -0.10986328,  0.1875    , -0.10498047,
        -0.00933838, -0.07275391, -0.09912109,  0.13574219, -0.00775146,
         0.11181641, -0.17089844, -0.06933594, -0.14648438,  0.08056641,
        -0.0390625 ,  0.05908203, -0.06982422, -0.11767578,  0.10107422,
        -0.07519531, -0.00592041, -0.19238281,  0.00065613, -0.00448608,
        -0.03613281, -0.02050781,  0.07324219, -0.23925781, -0.0234375 ,
        -0.09960938,  0.14257812,  0.0378418 , -0.17871094, -0.16113281,
         0.01269531, -0.03540039,  0.00274658,  0.05102539, -0.12402344,
        -0.26757812, -0.00952148,  0.11962891,  0.18164062,  0.24609375,
        -0.11279297,  0.05493164,  0.20898438, -0.08984375, -0.02062988,
        -0.08105469,  0.12695312, -0.01794434, -0.03076172, -0.19335938,
         0.125     ,  0.01153564, -0.18945312, -0.10839844, -0.19042969,
        -0.08056641,  0.07421875,  0.04321289,  0.04760742, -0.10107422,
        -0.02392578,  0.15429688, -0.04785156, -0.10644531, -0.24414062,
        -0.02648926,  0.02587891, -0.14453125,  0.11328125, -0.1484375 ,
        -0.03857422, -0.31445312, -0.18945312,  0.01245117,  0.10986328,
        -0.10400391,  0.20898438, -0.04052734,  0.08544922, -0.03564453,
        -0.04101562, -0.04199219,  0.04614258, -0.05102539,  0.02062988,
         0.12792969, -0.08398438,  0.03759766,  0.18261719, -0.01049805,
        -0.16699219,  0.10009766, -0.07373047,  0.03466797, -0.23144531,
         0.18652344,  0.22558594,  0.140625  ,  0.03637695, -0.06689453,
        -0.08740234,  0.10009766,  0.24707031,  0.14453125, -0.01306152,
        -0.12890625,  0.04956055,  0.08251953,  0.0078125 , -0.10546875,
         0.02197266, -0.00653076,  0.00454712,  0.28515625, -0.01556396,
         0.24902344,  0.15917969, -0.16894531, -0.12695312,  0.04370117,
         0.20898438,  0.05908203,  0.2578125 , -0.05615234, -0.12890625,
         0.0703125 , -0.06640625, -0.13769531,  0.20117188, -0.04174805,
        -0.05444336,  0.1015625 ,  0.01574707, -0.00479126, -0.04760742,
        -0.07714844, -0.02770996, -0.04248047,  0.01409912, -0.03759766,
         0.109375  ,  0.16992188,  0.11279297,  0.0065918 , -0.0559082 ,
        -0.22070312, -0.02270508,  0.00045395,  0.22949219, -0.03149414],
       dtype=float32),
 'every': array([ 4.83398438e-02, -1.90429688e-01,  4.15039062e-02,  1.2158
2031e-01,
        -1.18408203e-02,  4.54101562e-02, -2.58789062e-02,  3.03955078e-02,
         4.78515625e-02,  4.88281250e-03, -7.91015625e-02, -1.91406250e-01,
         8.98437500e-02,  1.82617188e-01, -1.14746094e-01, -5.27954102e-03,
        -1.41601562e-01,  2.03125000e-01,  1.89453125e-01,  1.27563477e-02,
        -2.75390625e-01, -1.48773193e-04, -8.98437500e-02,  2.16064453e-02,
        -7.76367188e-02,  1.18652344e-01, -1.04003906e-01,  6.93359375e-02,
         1.30859375e-01,  1.58203125e-01, -1.37695312e-01,  1.25122070e-02,
        -6.17675781e-02,  4.54101562e-02, -3.29589844e-02, -2.34375000e-02,
        -4.56542969e-02, -3.15856934e-03, -2.01416016e-02,  8.15429688e-02,
         1.39648438e-01, -1.44531250e-01,  5.49316406e-02, -9.22851562e-02,
```

```
 1.26953125e-01,  4.41894531e-02, -5.02929688e-02,  1.75781250e-01,
 8.54492188e-03, -3.02734375e-01,  8.54492188e-02,  2.61718750e-01,
 3.56445312e-02,  2.27539062e-01, -1.69921875e-01, -5.41992188e-02,
 3.32031250e-02, -8.05664062e-02, -1.79443359e-02, -9.22851562e-02,
 1.23535156e-01,  1.20605469e-01,  1.90429688e-02, -2.12890625e-01,
 2.36328125e-01, -7.32421875e-02,  3.36914062e-02,  2.01416016e-02,
-1.40625000e-01,  2.04101562e-01,  2.03857422e-02, -8.74023438e-02,
 2.30468750e-01, -1.06933594e-01, -1.00097656e-01, -2.99072266e-02,
 6.93359375e-02, -2.41699219e-02,  6.10351562e-02,  2.57812500e-01,
 4.76074219e-02, -1.74804688e-01,  6.00585938e-02,  3.63769531e-02,
-2.61718750e-01, -7.22656250e-02,  1.70898438e-01,  3.78906250e-01,
 7.71484375e-02, -5.32226562e-02,  4.73632812e-02, -1.13769531e-01,
-3.44238281e-02, -2.67578125e-01, -3.18359375e-01, -8.74023438e-02,
 1.51367188e-01,  6.77490234e-03, -1.18652344e-01,  2.07031250e-01,
-1.35742188e-01, -5.78613281e-02,  1.41601562e-01, -1.28906250e-01,
-2.91015625e-01,  6.29882812e-02, -1.38671875e-01, -5.31005859e-03,
-1.40991211e-02, -1.21582031e-01,  1.21093750e-01, -1.32812500e-01,
-2.70996094e-02,  1.36718750e-01,  2.73437500e-01,  1.70898438e-01,
 6.29882812e-02, -9.27734375e-02,  2.42919922e-02,  3.35693359e-03,
-1.65039062e-01, -7.76367188e-02, -5.17578125e-02,  2.50000000e-01,
-3.54003906e-02,  3.75976562e-02,  7.03125000e-02, -2.73132324e-03,
 8.93554688e-02,  2.96875000e-01, -1.00097656e-01, -8.83789062e-02,
-1.02539062e-01, -6.12792969e-02, -1.79443359e-02, -3.00781250e-01,
-2.03857422e-02, -6.29882812e-02, -5.15136719e-02,  1.81640625e-01,
 8.10546875e-02, -1.19140625e-01,  4.34570312e-02,  6.25000000e-02,
-2.63671875e-02,  1.40380859e-02,  6.07910156e-02,  9.49859619e-04,
 1.08886719e-01,  8.05664062e-02, -2.17285156e-02,  3.03649902e-03,
-2.87109375e-01,  2.86865234e-02,  1.67236328e-02,  1.60156250e-01,
 2.17285156e-02, -6.39648438e-02, -1.50390625e-01, -2.21679688e-01,
-1.66015625e-01,  5.58471680e-03,  7.42187500e-02,  1.77734375e-01,
-4.39453125e-02, -9.13085938e-02,  7.17773438e-02, -2.11914062e-01,
-6.19506836e-03, -1.69677734e-02, -1.47460938e-01, -5.78613281e-02,
 1.09863281e-01,  1.38671875e-01, -1.23535156e-01, -1.92382812e-01,
 4.83398438e-02, -2.42187500e-01,  3.11279297e-02,  2.00195312e-02,
 4.56542969e-02, -2.08984375e-01, -1.27929688e-01,  1.68945312e-01,
-7.35473633e-03, -1.50756836e-02, -1.06445312e-01, -1.01074219e-01,
 9.08203125e-02,  1.29882812e-01,  1.03515625e-01,  3.41796875e-02,
-8.93554688e-02,  1.62353516e-02,  6.53076172e-03, -1.07421875e-01,
 2.50244141e-02,  2.89062500e-01, -5.11718750e-01,  3.78417969e-02,
-3.17382812e-02, -1.91650391e-02,  1.73339844e-02,  1.21093750e-01,
 1.25000000e-01,  2.96630859e-02,  2.66113281e-02, -7.08007812e-02,
 3.30078125e-01, -5.73730469e-02, -7.76367188e-02,  1.74804688e-01,
-4.39453125e-02, -1.70898438e-01,  4.44335938e-02,  1.50390625e-01,
 1.65039062e-01,  1.08398438e-01, -1.70898438e-01, -1.65039062e-01,
-6.15234375e-02,  5.07812500e-02, -1.43554688e-01, -7.47070312e-02,
 1.27929688e-01,  3.56445312e-02,  1.29882812e-01,  9.81445312e-02,
 1.40625000e-01, -1.72851562e-01, -1.77734375e-01, -1.41601562e-01,
 2.51953125e-01, -7.51953125e-02,  5.61523438e-02, -5.85937500e-02,
-1.45263672e-02, -2.11181641e-02,  8.34960938e-02,  1.53320312e-01,
-5.76171875e-02,  1.24511719e-02, -5.61523438e-02, -9.37500000e-02,
-1.80664062e-02,  3.03955078e-02, -7.86132812e-02, -9.32617188e-02,
-1.65039062e-01, -1.46484375e-01, -1.22070312e-01,  7.81250000e-02,
 6.34765625e-02, -4.07714844e-02, -5.98144531e-03, -8.69140625e-02,
 8.05664062e-02, -2.83203125e-01, -7.23266602e-03, -1.49414062e-01,
 1.84326172e-02,  1.47705078e-02, -1.38671875e-01, -6.59179688e-02,
-8.05664062e-02,  1.03149414e-02,  9.66796875e-02,  2.20703125e-01,
-2.79296875e-01,  9.13085938e-02,  8.25195312e-02,  2.46093750e-01,
-5.56640625e-02, -2.60009766e-02,  1.47705078e-02, -2.61718750e-01,
-2.39257812e-01, -4.17480469e-02,  4.76074219e-02, -1.16699219e-01,
-2.51953125e-01,  1.31835938e-01,  1.32812500e-01,  5.23437500e-01,
 5.07812500e-02,  1.31835938e-01, -2.73437500e-01, -1.33789062e-01,
 2.73437500e-02,  1.11816406e-01, -2.83203125e-02, -6.88476562e-02,
-2.68554688e-02,  5.54199219e-02, -1.12792969e-01,  2.16064453e-02,
-6.54296875e-02, -9.42382812e-02,  9.03320312e-03, -1.74804688e-0
```

```
1],
       dtype=float32),
 'receive': array([ 5.20019531e-02, -2.21679688e-01, -2.11914062e-01,  9.96
093750e-02,
        -7.87353516e-03,  1.41906738e-03,  9.91210938e-02,  1.27929688e-01,
         1.05957031e-01,  1.36718750e-01, -2.85156250e-01, -1.33789062e-01,
        -1.74560547e-02,  2.87109375e-01,  1.20117188e-01,  3.06640625e-01,
        -9.86328125e-02, -5.81054688e-02, -8.34960938e-02,  2.03125000e-01,
        -1.79687500e-01,  1.75781250e-01, -8.69140625e-02,  1.54296875e-01,
         1.90429688e-01, -3.10546875e-01, -1.34765625e-01, -2.45117188e-01,
        -5.76782227e-03, -3.61328125e-02, -2.91748047e-02, -4.37500000e-01,
        -4.68750000e-01, -1.59179688e-01,  8.42285156e-03, -8.49609375e-02,
         1.44531250e-01,  1.11816406e-01, -2.08007812e-01,  5.88989258e-03,
         1.26953125e-01,  3.97949219e-02,  1.95312500e-02, -6.83593750e-02,
        -4.41894531e-02, -5.11718750e-01,  9.86328125e-02, -4.19921875e-02,
        -3.00781250e-01, -1.14135742e-02, -1.31835938e-01,  1.38549805e-02,
         1.90429688e-01,  5.54199219e-02, -4.88281250e-02,  6.73828125e-02,
        -1.03515625e-01,  8.83789062e-02, -8.30078125e-02,  3.27148438e-02,
         8.34960938e-02, -6.73828125e-02, -9.37500000e-02, -4.71191406e-02,
         2.41210938e-01, -9.03320312e-02, -1.28906250e-01, -6.44531250e-02,
        -3.27148438e-02,  2.89062500e-01,  1.51367188e-01, -5.56640625e-02,
         1.69921875e-01,  2.95410156e-02, -1.75476074e-03, -2.30468750e-01,
         5.61523438e-02,  2.14843750e-01,  5.51757812e-02,  1.19628906e-01,
         6.98242188e-02, -1.73828125e-01, -8.54492188e-02,  2.42187500e-01,
         1.18255615e-03, -1.54296875e-01, -2.13867188e-01, -8.64257812e-02,
         7.61718750e-02,  9.57031250e-02, -1.63574219e-02,  3.58886719e-02,
         8.49609375e-02, -6.88476562e-02, -1.94549561e-03,  4.05883789e-03,
         2.61718750e-01,  2.71484375e-01,  1.04003906e-01, -6.34765625e-02,
         1.22558594e-01, -1.80664062e-01, -3.53515625e-01,  2.83203125e-02,
        -1.44531250e-01, -3.47656250e-01, -1.70898438e-01, -1.37695312e-01,
         4.07714844e-02,  1.82617188e-01,  1.02539062e-01,  1.44531250e-01,
         3.95507812e-02, -4.32128906e-02,  9.76562500e-02,  1.24511719e-01,
         3.71093750e-02, -7.51953125e-02,  1.76757812e-01, -5.15136719e-02,
         2.17773438e-01, -2.87109375e-01,  3.75976562e-02,  2.91015625e-01,
         1.72851562e-01,  2.33398438e-01, -6.20117188e-02, -1.38671875e-01,
         2.73132324e-03,  4.07714844e-02,  1.40625000e-01, -4.58984375e-02,
        -1.87500000e-01, -5.61523438e-02, -8.59375000e-02, -3.14453125e-01,
         5.27954102e-03,  8.64257812e-02,  3.32031250e-02,  4.74929810e-04,
        -1.06933594e-01,  1.07910156e-01, -2.20703125e-01, -1.04492188e-01,
         5.71289062e-02, -1.66992188e-01,  1.03515625e-01, -4.76562500e-01,
        -1.58203125e-01, -6.68945312e-02,  5.29785156e-02,  2.87109375e-01,
        -1.08398438e-01, -8.49609375e-02, -1.03515625e-01, -2.16796875e-01,
        -6.34765625e-02, -4.49218750e-02, -5.90820312e-02,  5.22460938e-02,
         2.28271484e-02, -1.41601562e-02, -2.08984375e-01,  4.05273438e-02,
        -9.03320312e-02, -2.16796875e-01,  3.44238281e-02, -2.09960938e-01,
         2.80761719e-02, -7.12890625e-02, -2.92968750e-01, -3.96484375e-01,
        -8.05664062e-02,  7.66601562e-02,  9.70458984e-03, -1.45507812e-01,
         2.79296875e-01,  4.54101562e-02, -1.15234375e-01,  1.63085938e-01,
        -1.71875000e-01, -1.02050781e-01,  1.73339844e-02,  2.49023438e-01,
        -2.75390625e-01, -1.08886719e-01, -1.04370117e-02, -3.80859375e-02,
        -9.08203125e-02,  1.28906250e-01,  1.23535156e-01, -2.40234375e-01,
         3.29589844e-02, -3.10546875e-01, -8.15429688e-02, -1.17797852e-02,
         1.72851562e-01, -2.03125000e-01, -2.59765625e-01, -1.16699219e-01,
         1.22070312e-02,  2.36328125e-01,  2.55126953e-02,  6.98242188e-02,
        -5.39550781e-02, -3.41796875e-02, -1.13281250e-01,  1.62109375e-01,
         5.52368164e-03, -1.67968750e-01,  1.67968750e-01,  1.12304688e-01,
         1.42578125e-01,  1.98242188e-01, -3.68652344e-02,  2.87109375e-01,
        -1.09252930e-02, -7.08007812e-02,  3.54003906e-02, -1.26953125e-01,
         9.81445312e-02, -1.43554688e-01,  1.04370117e-02,  2.23388672e-02,
         7.03125000e-02,  2.16796875e-01,  5.44433594e-02, -1.16699219e-01,
         4.73632812e-02, -2.57812500e-01,  2.79296875e-01,  7.27539062e-02,
         9.91210938e-02,  1.17675781e-01,  1.02539062e-01,  6.98242188e-02,
         5.34667969e-02, -5.59082031e-02,  1.81640625e-01, -5.95703125e-02,
         2.60925293e-03, -1.25976562e-01, -1.61132812e-02,  7.36236572e-04,
```

```
        -6.03027344e-02,  8.98437500e-02,  9.21630859e-03,  1.52343750e-01,
         5.07812500e-02, -1.85546875e-01,  1.12792969e-01,  7.76367188e-02,
         2.94189453e-02,  1.92871094e-02, -9.42382812e-02,  4.00390625e-01,
         2.10937500e-01,  8.74023438e-02, -2.06054688e-01,  1.76757812e-01,
         1.13769531e-01, -1.79687500e-01, -2.33398438e-01, -2.45361328e-02,
         1.58203125e-01,  2.46582031e-02,  1.84570312e-01,  1.26953125e-01,
        -1.33789062e-01, -7.08007812e-02,  1.64062500e-01,  3.24707031e-02,
         5.78613281e-02,  4.34570312e-02,  1.51367188e-01, -1.88476562e-01,
        -4.73632812e-02, -2.20703125e-01, -1.63574219e-02,  1.50756836e-02,
         4.05273438e-02,  1.77001953e-03,  2.40234375e-01,  1.32812500e-01,
         3.68652344e-02,  1.11328125e-01,  1.24511719e-01,  9.52148438e-02,
         1.08398438e-01, -1.10839844e-01,  1.56250000e-01, -1.51367188e-01,
         4.51660156e-02, -6.68945312e-02,  3.84765625e-01,  1.10351562e-01,
         8.42285156e-03, -7.37304688e-02,  2.65625000e-01, -1.03027344e-0
1],
       dtype=float32),
 'help': array([ 0.04980469,  0.06640625,  0.03833008,  0.02355957, -0.0214
8438,
         0.20898438,  0.06396484, -0.02282715, -0.04101562, -0.26757812,
         0.1015625 ,  0.10693359, -0.06591797,  0.16992188, -0.0078125 ,
        -0.07861328, -0.06591797,  0.12060547, -0.00390625, -0.02770996,
         0.19238281,  0.13183594,  0.16113281, -0.07324219, -0.22167969,
        -0.05102539, -0.12255859,  0.06298828,  0.01080322, -0.12695312,
         0.04614258, -0.01794434, -0.03222656, -0.21484375, -0.01696777,
         0.0098877 , -0.00976562, -0.05175781,  0.12011719,  0.04980469,
         0.01867676,  0.05712891, -0.04492188, -0.16113281, -0.08105469,
        -0.09960938, -0.19824219, -0.00109863,  0.01239014,  0.23144531,
        -0.06738281,  0.08105469, -0.0177002 , -0.12402344, -0.14746094,
        -0.10253906, -0.23046875, -0.03149414,  0.03125   , -0.09033203,
         0.08251953, -0.09326172, -0.21679688,  0.06103516,  0.046875  ,
        -0.03466797, -0.05908203,  0.12695312, -0.0025177 ,  0.08251953,
         0.0703125 , -0.01037598,  0.08447266,  0.006073  , -0.12988281,
        -0.06689453,  0.18359375,  0.21191406,  0.01495361, -0.04907227,
        -0.01525879,  0.07080078, -0.04418945, -0.01153564, -0.05273438,
         0.06982422, -0.14453125, -0.06103516, -0.12402344,  0.10058594,
         0.17675781,  0.12353516, -0.03710938, -0.38085938,  0.15136719,
        -0.22753906,  0.03149414,  0.09228516,  0.01525879,  0.07666016,
        -0.078125  , -0.07080078,  0.05688477,  0.10058594, -0.11425781,
        -0.02893066, -0.19921875, -0.08642578,  0.08349609,  0.00552368,
        -0.19433594,  0.05249023, -0.08251953, -0.12597656,  0.12792969,
         0.09814453, -0.12255859,  0.10644531,  0.0703125 ,  0.13378906,
         0.01550293,  0.16894531, -0.10644531, -0.078125  , -0.09716797,
        -0.02685547, -0.07470703, -0.19628906,  0.23632812,  0.07470703,
         0.04711914, -0.00427246,  0.0133667 , -0.04882812, -0.02416992,
        -0.03588867,  0.14550781, -0.02282715,  0.10546875,  0.08349609,
        -0.00830078, -0.04931641, -0.09521484,  0.11914062,  0.07470703,
        -0.04223633, -0.10742188, -0.22167969,  0.05541992, -0.08398438,
         0.00098419,  0.09667969, -0.13867188,  0.13476562,  0.17871094,
         0.03149414, -0.06494141, -0.03613281, -0.27148438, -0.08691406,
         0.20800781,  0.10546875, -0.06079102, -0.09863281,  0.06884766,
        -0.19433594,  0.03857422, -0.04589844,  0.1484375 , -0.140625  ,
         0.00564575,  0.03564453, -0.06542969, -0.13476562,  0.12060547,
        -0.01446533,  0.2109375 ,  0.21679688, -0.20507812,  0.15332031,
        -0.28515625, -0.13769531,  0.19140625, -0.05126953, -0.23242188,
        -0.08691406, -0.14257812, -0.06982422,  0.15820312, -0.23535156,
        -0.06982422,  0.01220703,  0.28515625, -0.09667969, -0.08837891,
         0.0625    ,  0.15917969, -0.11767578, -0.18164062, -0.35546875,
        -0.05102539,  0.12255859, -0.125     , -0.01550293, -0.09521484,
         0.00643921, -0.13769531, -0.11865234, -0.02819824,  0.02758789,
        -0.1171875 , -0.0324707 , -0.0098877 ,  0.12255859,  0.125     ,
        -0.01220703,  0.21972656,  0.14160156, -0.09033203, -0.05566406,
        -0.03759766,  0.04785156, -0.04980469, -0.15625   , -0.09912109,
        -0.08691406, -0.10693359, -0.01293945,  0.00540161,  0.04882812,
         0.01586914,  0.10058594,  0.03588867, -0.10351562,  0.03540039,
```

```
        -0.14453125, -0.13671875, -0.15820312,  0.00994873,  0.00726318,
        -0.10791016,  0.04394531, -0.00314331,  0.04077148, -0.03466797,
        -0.03271484,  0.140625  ,  0.04492188,  0.12988281, -0.09326172,
         0.13183594,  0.04248047,  0.06396484,  0.30078125,  0.0559082 ,
         0.0039978 ,  0.1328125 ,  0.0390625 , -0.1796875 , -0.05053711,
        -0.16992188,  0.04858398, -0.14941406,  0.17675781,  0.09130859,
         0.08496094,  0.06738281,  0.03393555, -0.08300781, -0.06982422,
         0.06225586,  0.12353516,  0.05004883,  0.06738281,  0.05029297,
        -0.0324707 ,  0.04003906, -0.20703125, -0.07861328, -0.00389099,
        -0.08398438, -0.11621094,  0.05078125,  0.24023438, -0.13183594,
         0.02600098, -0.23339844, -0.11474609,  0.07568359, -0.12695312,
        -0.06787109,  0.08496094, -0.00476074, -0.10595703,  0.00970459,
         0.14648438, -0.04711914,  0.20703125,  0.01196289,  0.03564453],
       dtype=float32),
 'grow': array([-0.06640625,  0.19921875, -0.22460938,  0.12988281, -0.2304
6875,
        -0.09033203,  0.00970459, -0.06787109, -0.15917969,  0.06030273,
         0.02868652, -0.00531006,  0.11816406,  0.16308594, -0.16113281,
        -0.17285156, -0.04956055,  0.4140625 , -0.0480957 ,  0.02868652,
        -0.12060547,  0.00299072,  0.33789062,  0.07275391, -0.0625    ,
        -0.06445312, -0.09814453, -0.03979492,  0.01867676, -0.12158203,
        -0.12792969, -0.13671875, -0.41992188, -0.3046875 ,  0.08251953,
        -0.00360107, -0.09716797, -0.24316406, -0.05688477,  0.21875   ,
         0.44726562, -0.07861328, -0.07910156,  0.0201416 , -0.13769531,
        -0.49414062, -0.06396484, -0.13574219,  0.00836182, -0.09033203,
         0.00062943, -0.29882812,  0.01904297, -0.12207031,  0.25195312,
        -0.07910156,  0.02307129, -0.11035156,  0.03393555,  0.01733398,
         0.11474609,  0.08496094, -0.08154297, -0.01019287, -0.09130859,
         0.28710938,  0.0065918 ,  0.10351562,  0.125     , -0.02307129,
         0.10693359,  0.02331543,  0.07861328,  0.01403809, -0.01843262,
        -0.20703125, -0.09326172, -0.10791016,  0.02514648,  0.15820312,
        -0.04711914, -0.22460938, -0.0279541 ,  0.39648438, -0.26367188,
         0.08789062, -0.11621094,  0.42578125, -0.00588989,  0.26953125,
         0.49609375, -0.08105469, -0.0612793 , -0.1484375 ,  0.05371094,
        -0.22558594,  0.14355469,  0.18261719,  0.01708984, -0.23828125,
        -0.33984375, -0.12890625,  0.12255859,  0.0625    , -0.05761719,
        -0.16894531, -0.1171875 , -0.08935547, -0.14257812, -0.03417969,
         0.00695801, -0.36914062, -0.08105469,  0.09082031,  0.09912109,
         0.09033203,  0.00662231, -0.18261719,  0.20019531, -0.02734375,
         0.21972656, -0.22070312,  0.125     ,  0.10498047, -0.06054688,
        -0.046875  , -0.15722656,  0.08447266, -0.09960938,  0.27734375,
         0.03613281,  0.2890625 ,  0.16796875,  0.08544922,  0.33007812,
         0.20605469,  0.14550781, -0.04345703,  0.18945312, -0.21191406,
        -0.10205078, -0.13867188, -0.38671875,  0.07275391,  0.18554688,
        -0.15039062,  0.15917969, -0.3046875 ,  0.0213623 , -0.11572266,
         0.04443359,  0.10986328,  0.08349609,  0.1171875 , -0.13671875,
         0.19726562, -0.1171875 , -0.16503906, -0.15039062, -0.05078125,
         0.25      , -0.05810547, -0.20019531, -0.16015625,  0.25390625,
         0.11621094,  0.17675781, -0.16601562,  0.15234375, -0.06542969,
        -0.27734375,  0.00616455, -0.01293945,  0.10986328,  0.08398438,
         0.12304688,  0.09960938,  0.13574219,  0.00367737,  0.25585938,
         0.00402832, -0.2734375 , -0.00613403, -0.25585938, -0.24121094,
        -0.15136719,  0.01367188,  0.05273438,  0.08984375, -0.0037384 ,
         0.10498047, -0.15527344, -0.14746094, -0.18261719, -0.01245117,
         0.04418945, -0.05151367, -0.2421875 ,  0.01098633, -0.06884766,
        -0.18066406,  0.07128906,  0.30664062, -0.12890625, -0.21484375,
        -0.01165771,  0.17675781, -0.20019531, -0.0625    , -0.03491211,
        -0.00619507, -0.0612793 ,  0.02624512,  0.08691406, -0.26367188,
         0.12158203,  0.13574219, -0.22167969,  0.04711914,  0.14941406,
         0.05639648,  0.13574219, -0.07910156,  0.06396484,  0.17089844,
        -0.17285156, -0.15722656, -0.28125   ,  0.09326172,  0.04052734,
        -0.18554688, -0.0098877 ,  0.01928711,  0.03808594,  0.04052734,
         0.02099609, -0.28515625, -0.06835938,  0.09570312,  0.07226562,
        -0.00830078,  0.10351562, -0.09521484,  0.01275635, -0.03369141,
```

```
         0.11816406,  0.04418945, -0.04858398, -0.10107422,  0.03442383,
        -0.02502441, -0.09667969,  0.01263428,  0.02111816,  0.27734375,
         0.09814453, -0.08691406, -0.04077148, -0.37109375, -0.05395508,
         0.3046875 , -0.17675781,  0.03222656,  0.28710938,  0.24902344,
         0.3671875 , -0.29882812, -0.06005859, -0.0246582 , -0.05688477,
        -0.12792969,  0.09472656,  0.10107422,  0.0390625 , -0.09619141,
        -0.3125    , -0.37109375,  0.15332031, -0.07226562, -0.10791016,
         0.0300293 ,  0.15039062,  0.12451172, -0.07373047,  0.01550293,
        -0.02233887, -0.06298828,  0.07470703,  0.00265503,  0.31054688,
         0.06298828,  0.43945312, -0.09521484, -0.21582031, -0.19238281,
        -0.05615234, -0.20800781,  0.13476562,  0.22070312, -0.26757812],
       dtype=float32),
 'full': array([ 0.1328125 , -0.10986328, -0.19726562,  0.14941406, -0.1137
6953,
        -0.10058594,  0.22460938, -0.25585938, -0.00149536,  0.06591797,
        -0.06933594, -0.16796875,  0.06835938,  0.01599121, -0.140625  ,
         0.03015137,  0.20703125, -0.10302734,  0.13671875, -0.15136719,
        -0.20605469, -0.07421875, -0.17773438,  0.21191406, -0.00165558,
         0.04174805, -0.08642578,  0.02026367,  0.31835938,  0.03222656,
        -0.12890625,  0.07080078, -0.2890625 ,  0.21386719,  0.00830078,
        -0.0859375 , -0.10498047, -0.17871094, -0.11279297,  0.09228516,
         0.13574219, -0.11669922,  0.05761719,  0.01031494, -0.19433594,
         0.03613281, -0.01635742, -0.08105469, -0.02600098,  0.04589844,
         0.26953125,  0.06933594,  0.04418945,  0.13867188,  0.04638672,
        -0.03393555, -0.07666016, -0.11621094,  0.09765625, -0.10449219,
        -0.20703125,  0.02185059, -0.19335938, -0.20800781,  0.19726562,
        -0.00686646,  0.28125   ,  0.06445312,  0.02294922,  0.18066406,
         0.00473022,  0.10986328,  0.05981445,  0.359375  , -0.06176758,
         0.07470703,  0.18359375,  0.10498047, -0.05322266, -0.08349609,
        -0.11279297, -0.03588867, -0.06445312,  0.01049805,  0.03588867,
         0.03393555, -0.17675781, -0.00091171,  0.05639648, -0.0625    ,
         0.06347656, -0.03710938, -0.00083542, -0.04956055, -0.06298828,
         0.06542969, -0.02722168,  0.12597656, -0.02441406,  0.08886719,
         0.01745605, -0.07177734,  0.1328125 , -0.265625  , -0.18359375,
         0.14941406, -0.01470947,  0.12890625, -0.01422119, -0.16015625,
         0.14355469, -0.04443359, -0.16699219, -0.03271484, -0.07519531,
         0.07421875,  0.0480957 ,  0.1015625 ,  0.19628906,  0.24707031,
         0.00891113, -0.2890625 ,  0.07519531,  0.05493164,  0.11035156,
         0.09716797, -0.13183594, -0.17285156,  0.10351562,  0.1484375 ,
        -0.06152344,  0.10449219, -0.328125  , -0.01599121,  0.02697754,
        -0.10351562, -0.00074768,  0.10742188,  0.11230469,  0.00430298,
        -0.12597656, -0.14648438,  0.04785156, -0.25585938,  0.11230469,
        -0.06933594, -0.15917969, -0.00509644, -0.05249023,  0.12988281,
         0.1875    ,  0.10205078, -0.12890625,  0.04370117,  0.11230469,
         0.01806641,  0.00674438,  0.01721191, -0.11914062, -0.07373047,
         0.10839844, -0.02209473,  0.13378906, -0.03039551,  0.10595703,
        -0.21386719,  0.01544189,  0.07128906, -0.0546875 , -0.24511719,
        -0.16601562, -0.18457031, -0.01672363,  0.07128906, -0.0055542 ,
         0.06347656, -0.12695312, -0.05932617, -0.109375  , -0.15625   ,
        -0.24609375, -0.0324707 , -0.01312256, -0.04467773, -0.234375  ,
         0.02294922, -0.08398438, -0.21191406,  0.15917969,  0.10253906,
        -0.00454712,  0.0201416 , -0.18652344, -0.12109375,  0.13476562,
         0.0213623 , -0.01153564, -0.15820312,  0.0234375 ,  0.001091  ,
        -0.09472656,  0.16210938,  0.02050781,  0.16699219, -0.08251953,
         0.18457031, -0.05395508, -0.07910156,  0.125     ,  0.1640625 ,
         0.0559082 ,  0.08105469,  0.00601196,  0.15527344,  0.0456543 ,
        -0.02722168,  0.19628906, -0.13476562, -0.26757812, -0.15332031,
         0.09667969,  0.05297852, -0.05908203, -0.171875  ,  0.14453125,
         0.00994873, -0.11132812,  0.00683594,  0.12011719, -0.05566406,
         0.00482178, -0.18652344,  0.20019531,  0.13964844, -0.25976562,
        -0.01147461, -0.10986328, -0.02368164, -0.08203125,  0.13085938,
        -0.05224609, -0.04956055, -0.06347656, -0.26367188,  0.08007812,
        -0.05126953, -0.12792969,  0.078125  , -0.08544922, -0.01477051,
        -0.10302734,  0.05297852, -0.00212097, -0.09912109, -0.04321289,
```

```
        -0.10107422,  0.0133667 , -0.23828125, -0.34375   ,  0.1796875 ,
         0.14550781, -0.10009766, -0.17089844,  0.00274658,  0.05957031,
         0.03564453, -0.08837891,  0.07861328, -0.14746094, -0.07275391,
         0.04614258,  0.06884766,  0.13867188,  0.08349609,  0.13378906,
        -0.01855469, -0.04003906, -0.11425781, -0.03808594,  0.10644531,
        -0.02697754,  0.10009766, -0.10107422,  0.13574219,  0.13476562,
         0.04956055, -0.00042152,  0.08251953, -0.04394531, -0.07373047,
        -0.04516602,  0.0612793 , -0.1640625 , -0.03637695, -0.22363281,
        -0.06884766,  0.20410156,  0.01507568, -0.08740234, -0.24121094],
       dtype=float32),
 'potential': array([-0.05688477,  0.26953125,  0.07910156, -0.00210571, -
0.29296875,
        -0.03344727, -0.02038574,  0.07470703,  0.10546875,  0.12988281,
        -0.20605469, -0.33007812,  0.18554688, -0.08642578, -0.06787109,
         0.04052734, -0.20507812,  0.1875    ,  0.04711914, -0.0612793 ,
        -0.10693359, -0.21191406, -0.4765625 ,  0.16601562,  0.02722168,
        -0.05639648, -0.09179688,  0.11816406, -0.0559082 ,  0.12792969,
         0.10644531,  0.06445312, -0.06396484, -0.31054688, -0.03393555,
         0.05737305,  0.08447266,  0.04956055,  0.04833984, -0.10644531,
         0.03100586,  0.04833984, -0.07958984, -0.00891113, -0.33007812,
        -0.15625   , -0.04785156, -0.00653076, -0.03295898, -0.14941406,
         0.08056641,  0.109375  , -0.19238281,  0.0291748 , -0.03125   ,
        -0.0534668 ,  0.12451172, -0.27734375,  0.28515625,  0.16308594,
        -0.10644531,  0.0291748 ,  0.17382812,  0.17675781, -0.24511719,
        -0.12158203,  0.1328125 ,  0.04907227, -0.08251953,  0.16210938,
        -0.22167969,  0.08984375,  0.18066406,  0.03857422, -0.08691406,
         0.00127411, -0.05859375,  0.29882812, -0.01184082,  0.19335938,
        -0.08740234,  0.0859375 , -0.19335938, -0.06054688,  0.10302734,
        -0.28710938, -0.16894531,  0.15234375, -0.13671875, -0.09179688,
         0.16210938, -0.11523438, -0.02587891,  0.07373047,  0.0213623 ,
        -0.15722656, -0.18847656,  0.13671875,  0.07763672,  0.04931641,
        -0.21386719, -0.10546875, -0.03588867, -0.10009766,  0.19335938,
         0.00276184, -0.11181641, -0.12890625,  0.19238281,  0.11865234,
         0.04858398,  0.15722656, -0.02612305, -0.04980469,  0.18359375,
         0.08007812,  0.02526855,  0.02355957,  0.20214844,  0.0022583 ,
        -0.0402832 ,  0.16308594, -0.03833008,  0.06982422, -0.03540039,
         0.2734375 , -0.00476074,  0.00230408, -0.1328125 ,  0.09716797,
         0.06347656,  0.07373047, -0.140625  ,  0.02734375,  0.07763672,
        -0.21289062,  0.0480957 ,  0.10986328,  0.15527344,  0.19628906,
         0.05761719, -0.13867188,  0.02331543,  0.3046875 ,  0.29492188,
        -0.14550781,  0.08935547,  0.02539062, -0.15234375, -0.07861328,
        -0.04736328,  0.07714844, -0.00291443, -0.16601562,  0.02001953,
         0.10253906,  0.08398438, -0.33007812, -0.10644531, -0.12792969,
         0.03320312,  0.19335938,  0.08642578, -0.11230469,  0.12304688,
         0.19042969,  0.04199219,  0.0625    ,  0.02954102,  0.09472656,
        -0.04174805, -0.10693359, -0.17578125, -0.07080078,  0.1484375 ,
        -0.02270508, -0.01092529, -0.16699219, -0.06542969,  0.07470703,
        -0.00259399, -0.03271484,  0.00069427,  0.04174805, -0.19824219,
        -0.09765625, -0.05004883,  0.01416016,  0.24316406,  0.06738281,
        -0.1171875 ,  0.08447266, -0.01416016,  0.05712891, -0.05908203,
         0.1953125 , -0.20117188, -0.14941406,  0.0703125 , -0.5390625 ,
         0.13085938,  0.0546875 ,  0.046875  , -0.22851562,  0.09326172,
        -0.02404785,  0.01977539,  0.07470703, -0.04272461,  0.10107422,
        -0.01550293,  0.05639648, -0.19335938,  0.08007812, -0.05297852,
        -0.09521484, -0.0213623 , -0.15820312, -0.05908203,  0.13476562,
        -0.01660156,  0.09326172, -0.08935547,  0.04589844,  0.03173828,
        -0.08007812,  0.08105469, -0.11816406,  0.05322266, -0.14160156,
        -0.05273438,  0.18261719,  0.10351562,  0.0291748 , -0.07373047,
        -0.11035156,  0.02050781, -0.07910156, -0.03393555, -0.13085938,
        -0.02905273,  0.08300781,  0.13574219, -0.00921631, -0.11474609,
         0.06640625,  0.18457031,  0.04345703,  0.17773438, -0.00509644,
        -0.05175781,  0.0291748 ,  0.1796875 , -0.00309753, -0.03466797,
        -0.02746582,  0.17480469,  0.02978516, -0.31445312, -0.09082031,
        -0.07275391,  0.02307129, -0.25195312,  0.08984375, -0.0546875 ,
```

```
         0.09472656,  0.00186157,  0.09423828, -0.18652344, -0.17285156,
         0.14648438,  0.05957031,  0.04052734, -0.00747681, -0.10888672,
         0.11474609,  0.06054688, -0.14453125,  0.02624512,  0.07275391,
        -0.0859375 ,  0.15234375,  0.10449219, -0.00527954, -0.26367188,
         0.04052734,  0.01049805,  0.04003906, -0.00866699, -0.03442383,
        -0.15234375, -0.0534668 , -0.24316406, -0.15527344,  0.01159668,
         0.14355469,  0.11083984, -0.09228516, -0.09326172, -0.18945312],
       dtype=float32),
 'speech': array([ 0.32617188, -0.01977539,  0.03295898,  0.39453125, -0.08
251953,
        -0.14355469,  0.09082031,  0.02819824,  0.15429688,  0.08544922,
        -0.04052734, -0.07128906, -0.07861328,  0.15136719,  0.14355469,
        -0.03100586,  0.11767578,  0.5078125 ,  0.12207031, -0.3515625 ,
         0.12988281,  0.33398438,  0.04736328,  0.06640625,  0.04882812,
         0.00291443,  0.0145874 , -0.20410156,  0.09082031,  0.1875    ,
        -0.17480469, -0.41210938, -0.12402344, -0.04272461,  0.23632812,
         0.01062012, -0.0098877 ,  0.16796875, -0.06982422,  0.02038574,
        -0.10058594, -0.07373047,  0.16894531,  0.39257812, -0.26953125,
         0.24023438, -0.18457031,  0.00946045, -0.4453125 ,  0.1484375 ,
         0.3671875 ,  0.04125977,  0.16113281,  0.38671875,  0.4296875 ,
        -0.1640625 , -0.265625  , -0.3046875 ,  0.06298828, -0.24121094,
        -0.00248718,  0.25390625,  0.07470703,  0.07666016, -0.02783203,
        -0.10009766, -0.29296875, -0.10595703,  0.29882812,  0.16210938,
        -0.15429688,  0.0123291 ,  0.05029297, -0.15820312,  0.18164062,
        -0.23144531,  0.36328125,  0.10742188,  0.03857422,  0.14746094,
         0.1796875 ,  0.18652344, -0.18554688, -0.16308594, -0.11425781,
        -0.12597656,  0.22070312,  0.06933594, -0.02038574,  0.12988281,
        -0.0135498 , -0.22851562, -0.28320312, -0.04443359, -0.14257812,
        -0.14550781,  0.04956055,  0.02880859,  0.12597656, -0.24804688,
        -0.16796875, -0.05908203,  0.0133667 , -0.04370117, -0.11572266,
         0.27148438, -0.03088379, -0.22167969, -0.08544922,  0.05859375,
        -0.2578125 , -0.21972656, -0.00230408,  0.10791016,  0.25976562,
        -0.21777344,  0.1171875 , -0.02087402,  0.22265625, -0.13671875,
         0.02050781,  0.3515625 ,  0.0859375 , -0.28710938,  0.05078125,
        -0.27734375,  0.02722168, -0.06103516,  0.09765625, -0.02587891,
        -0.08007812,  0.00233459, -0.06152344, -0.07128906, -0.02966309,
        -0.27734375,  0.17871094,  0.06689453, -0.08203125,  0.01867676,
         0.14355469, -0.09765625, -0.15917969, -0.25390625, -0.0300293 ,
        -0.02685547,  0.14550781,  0.12402344, -0.03808594,  0.34179688,
        -0.02160645,  0.28125   ,  0.09082031,  0.03442383,  0.10742188,
        -0.33007812, -0.31640625, -0.13183594, -0.09521484, -0.20703125,
         0.01312256,  0.125     ,  0.14257812,  0.04052734, -0.09228516,
         0.13085938,  0.14648438, -0.05688477,  0.03100586, -0.34960938,
        -0.06079102, -0.00964355, -0.0534668 , -0.12451172,  0.16308594,
        -0.22460938,  0.0019989 ,  0.24414062, -0.36328125, -0.00582886,
         0.00585938,  0.04248047, -0.10498047, -0.02539062,  0.20996094,
         0.16894531, -0.08789062, -0.02636719, -0.26953125,  0.28320312,
        -0.12304688, -0.01373291,  0.23046875,  0.20410156, -0.15722656,
         0.14550781, -0.15917969, -0.18359375,  0.1171875 ,  0.234375  ,
        -0.16796875,  0.12988281,  0.34960938, -0.296875  ,  0.04516602,
        -0.203125  ,  0.25390625,  0.18847656, -0.10205078, -0.35351562,
        -0.01965332, -0.03637695, -0.06738281, -0.11572266,  0.02624512,
         0.21972656,  0.03930664, -0.20703125, -0.05810547,  0.02709961,
        -0.25390625, -0.1015625 ,  0.01916504, -0.5       ,  0.3125    ,
        -0.04101562, -0.11035156,  0.34179688,  0.09472656,  0.21191406,
         0.23046875,  0.00430298, -0.25      , -0.23144531,  0.296875  ,
         0.07275391,  0.09423828,  0.04956055,  0.265625  , -0.16894531,
         0.08789062, -0.08691406, -0.15136719, -0.38671875,  0.15332031,
        -0.02978516, -0.00637817,  0.09033203,  0.2421875 ,  0.18554688,
        -0.00946045, -0.04394531, -0.52734375,  0.00063324, -0.05053711,
        -0.15917969, -0.14941406,  0.00439453,  0.04370117,  0.0559082 ,
         0.015625  ,  0.05859375, -0.06982422, -0.07470703, -0.04711914,
         0.29492188,  0.27734375, -0.27539062, -0.31054688,  0.0480957 ,
        -0.16992188,  0.04589844,  0.29296875, -0.23828125,  0.2578125 ,
```

```
        -0.2265625 ,  0.17382812, -0.00970459, -0.19921875,  0.03735352,
         0.03710938,  0.03295898, -0.03125   ,  0.07617188,  0.06835938,
         0.07617188,  0.08740234, -0.1015625 , -0.18359375,  0.04101562,
        -0.07519531, -0.47265625, -0.05175781, -0.14257812,  0.140625  ,
        -0.25      ,  0.1953125 ,  0.1328125 , -0.18945312, -0.02770996],
       dtype=float32),
 'language': array([ 2.30712891e-02,  1.68457031e-02,  1.54296875e-01,  1.2
7929688e-01,
        -2.67578125e-01,  3.51562500e-02,  1.19140625e-01,  2.48046875e-01,
         1.93359375e-01, -7.95898438e-02,  1.46484375e-01, -1.43554688e-01,
        -3.04687500e-01,  3.46679688e-02, -1.85546875e-02,  1.06933594e-01,
        -1.52343750e-01,  2.89062500e-01,  2.35595703e-02, -3.80859375e-01,
         1.09863281e-01,  4.41406250e-01,  3.75976562e-02, -1.22680664e-02,
         1.62353516e-02, -2.24609375e-01,  7.61718750e-02, -3.12500000e-02,
        -2.16064453e-02,  1.49414062e-01, -4.02832031e-02, -4.46777344e-02,
        -1.72851562e-01,  3.32031250e-02,  1.50390625e-01, -5.05371094e-02,
         2.72216797e-02,  3.00781250e-01, -1.33789062e-01, -7.56835938e-02,
         1.93359375e-01, -1.98242188e-01, -1.27563477e-02,  4.19921875e-01,
        -2.19726562e-01,  1.44531250e-01, -3.93066406e-02,  1.94335938e-01,
        -3.12500000e-01,  1.84570312e-01,  1.48773193e-04, -1.67968750e-01,
        -7.37304688e-02, -3.12500000e-02,  1.57226562e-01,  3.30078125e-01,
        -1.42578125e-01, -3.16406250e-01, -7.32421875e-02, -5.76171875e-02,
         1.02050781e-01, -1.08886719e-01,  1.24023438e-01, -2.50244141e-02,
        -2.49023438e-01,  1.25976562e-01, -1.79687500e-01,  3.32031250e-01,
         7.14111328e-03,  2.51953125e-01,  4.34570312e-02, -4.34570312e-02,
        -3.90625000e-01,  1.76757812e-01, -1.13525391e-02, -1.97753906e-02,
         2.79296875e-01,  2.36328125e-01,  1.19140625e-01,  5.59082031e-02,
         1.73828125e-01, -1.10839844e-01, -4.95605469e-02,  2.13867188e-01,
         6.17675781e-02,  1.38671875e-01, -4.45556641e-03,  2.55859375e-01,
         1.80664062e-01,  5.88378906e-02, -6.59179688e-02, -2.08007812e-01,
        -1.19140625e-01, -1.57226562e-01,  5.02929688e-02, -6.29882812e-02,
         5.00488281e-02, -7.27539062e-02,  1.74560547e-02, -3.56445312e-02,
        -1.93359375e-01,  3.93066406e-02, -3.36914062e-02, -1.07421875e-01,
         5.78613281e-02, -8.20312500e-02,  1.74560547e-02, -1.65039062e-01,
         1.46484375e-01, -3.08837891e-02, -3.86718750e-01,  2.49023438e-01,
         8.74023438e-02, -2.15820312e-01, -4.10156250e-02,  1.60156250e-01,
         1.85546875e-01, -2.27050781e-02, -3.73535156e-02,  7.86132812e-02,
        -1.46484375e-01,  6.78710938e-02,  1.26953125e-01,  3.30078125e-01,
         1.11328125e-01,  9.27734375e-02, -3.45703125e-01, -1.41601562e-01,
        -5.29785156e-02, -1.50390625e-01, -7.81250000e-02, -1.27929688e-01,
        -4.02343750e-01, -1.41601562e-01,  8.44726562e-02,  1.08398438e-01,
        -4.44335938e-02,  3.73535156e-02,  5.61523438e-02, -1.91406250e-01,
         1.54296875e-01, -5.12695312e-02, -6.49414062e-02, -8.30078125e-02,
         7.17773438e-02, -1.33789062e-01,  1.05468750e-01,  3.33984375e-01,
        -1.08398438e-01,  1.91650391e-02,  2.14843750e-01,  2.15820312e-01,
        -1.05468750e-01, -1.44531250e-01,  4.32128906e-02, -2.71484375e-01,
        -3.78906250e-01,  1.09863281e-01, -8.15429688e-02, -6.12792969e-02,
        -1.33789062e-01,  9.71679688e-02, -1.04370117e-02, -1.21093750e-01,
        -2.44140625e-01,  1.02050781e-01,  1.10839844e-01, -1.00585938e-01,
         1.71875000e-01, -3.61328125e-02, -4.39453125e-02,  2.83203125e-01,
        -8.93554688e-02, -1.70898438e-01,  2.46093750e-01,  1.16699219e-01,
         8.39843750e-02, -1.32812500e-01, -1.61132812e-01, -1.39648438e-01,
        -8.59375000e-02, -1.37695312e-01, -9.32617188e-02, -1.33789062e-01,
         1.65039062e-01,  4.93164062e-02, -1.21093750e-01, -2.11914062e-01,
         1.61132812e-01, -1.07421875e-01, -3.97949219e-02, -3.51562500e-01,
        -5.02929688e-02,  1.46484375e-01, -4.68750000e-02,  4.17480469e-02,
        -1.27929688e-01, -9.76562500e-02, -2.46093750e-01,  6.78710938e-02,
        -2.30468750e-01,  1.80664062e-02,  3.54003906e-02,  7.32421875e-02,
        -2.23632812e-01, -1.25976562e-01,  2.12890625e-01, -3.93066406e-02,
        -2.41699219e-02, -9.61914062e-02,  7.51953125e-02, -1.46484375e-01,
        -1.49414062e-01, -8.83789062e-02, -4.88281250e-02,  2.32421875e-01,
         3.30078125e-01,  1.59179688e-01, -2.35351562e-01, -1.25976562e-01,
         2.68554688e-02, -5.29785156e-02, -6.59179688e-02, -2.17773438e-01,
        -6.37817383e-03, -2.53906250e-01,  2.28515625e-01,  4.93164062e-02,
```

```
         3.54003906e-02,  1.66992188e-01, -7.27539062e-02, -2.53906250e-01,
        -1.34765625e-01,  3.69140625e-01,  1.83593750e-01, -1.64062500e-01,
         2.26562500e-01, -8.88671875e-02,  3.69140625e-01,  5.54199219e-02,
        -3.63769531e-02, -1.48437500e-01,  9.13085938e-02,  2.47955322e-04,
         2.67578125e-01, -1.63085938e-01,  1.19628906e-01,  2.77343750e-01,
        -1.49414062e-01,  1.33789062e-01, -8.25195312e-02, -1.74804688e-01,
        -1.77734375e-01,  2.06054688e-01,  5.07812500e-02, -2.08007812e-01,
        -1.74804688e-01,  9.66796875e-02,  6.98242188e-02, -5.79833984e-04,
         9.22851562e-02,  7.95898438e-02,  1.41601562e-01,  8.72802734e-03,
        -8.05664062e-02,  4.80957031e-02,  2.49023438e-01, -1.64062500e-01,
        -4.66308594e-02, -2.81250000e-01, -1.66015625e-01, -2.22656250e-01,
        -2.32421875e-01,  1.32812500e-01,  4.15039062e-02,  1.15234375e-01,
        -7.66601562e-02, -1.10839844e-01, -1.97265625e-01,  3.06396484e-02,
        -1.03515625e-01,  2.49023438e-02, -2.52685547e-02,  3.39355469e-02,
         4.29687500e-02, -1.44531250e-01,  2.12402344e-02,  2.28271484e-02,
        -1.88476562e-01,  3.22265625e-01, -1.13281250e-01, -7.61718750e-02,
         2.94921875e-01, -1.33789062e-01, -1.80664062e-02, -6.25610352e-03,
        -1.62353516e-02,  5.98144531e-02,  1.21582031e-01,  4.17480469e-0
2],
       dtype=float32),
 'therapy': array([ 5.81054688e-02,  2.81250000e-01, -2.47802734e-02,  3.10
546875e-01,
         8.05664062e-02,  2.25585938e-01,  7.51953125e-02, -4.53125000e-01,
        -1.42578125e-01, -1.67968750e-01, -6.05468750e-02, -1.42578125e-01,
         1.00097656e-01,  5.78613281e-02,  2.71484375e-01,  4.55078125e-01,
         5.79833984e-03,  8.83789062e-02,  1.27929688e-01, -2.89062500e-01,
         5.15625000e-01,  3.02734375e-01, -7.27539062e-02,  1.03515625e-01,
        -2.96875000e-01, -6.83593750e-02, -4.98046875e-01,  1.35742188e-01,
        -8.69140625e-02, -8.98437500e-02,  9.96093750e-02, -1.35742188e-01,
        -3.69140625e-01,  5.81054688e-02, -4.84375000e-01, -1.68945312e-01,
        -1.26953125e-01,  1.30859375e-01,  1.19628906e-01, -3.67187500e-01,
        -6.83593750e-02, -5.18798828e-04,  8.98437500e-02, -1.30859375e-01,
        -2.11914062e-01, -6.77490234e-03,  1.16210938e-01, -2.63671875e-01,
        -1.66015625e-01,  4.63867188e-02,  2.40478516e-02, -8.93554688e-02,
        -3.37890625e-01, -4.27246094e-02,  4.84375000e-01, -6.20117188e-02,
        -1.36718750e-01,  8.83789062e-02,  2.90527344e-02, -1.49414062e-01,
        -2.36328125e-01,  2.01171875e-01,  2.44140625e-01, -2.23632812e-01,
        -1.19628906e-01,  2.65625000e-01, -1.01318359e-02,  1.78710938e-01,
        -1.03027344e-01, -7.95898438e-02, -1.44531250e-01, -1.01074219e-01,
         4.90722656e-02,  3.14453125e-01,  1.40625000e-01, -1.57226562e-01,
         7.29370117e-03, -9.66796875e-02,  1.82617188e-01,  2.47070312e-01,
        -1.47460938e-01, -2.69531250e-01,  1.72851562e-01,  2.36328125e-01,
        -2.12890625e-01,  6.44531250e-02,  3.83300781e-02,  1.52343750e-01,
        -5.98144531e-02, -2.89306641e-02,  2.14843750e-01,  1.04492188e-01,
         4.27246094e-02,  1.85546875e-01, -6.64062500e-02, -1.13769531e-01,
         3.75000000e-01, -3.61328125e-01,  8.17871094e-03,  5.02929688e-02,
         2.53906250e-01, -1.84326172e-02,  1.73828125e-01, -6.03027344e-02,
         2.64892578e-02, -7.71484375e-02, -6.83593750e-02, -7.66601562e-02,
         3.47656250e-01, -5.02929688e-02, -4.73022461e-03,  2.12890625e-01,
         2.08007812e-01,  2.26562500e-01,  2.59765625e-01, -6.34765625e-02,
         1.41906738e-03, -3.10546875e-01,  1.95312500e-01, -2.39257812e-02,
        -1.37695312e-01, -1.30859375e-01, -2.39562988e-03, -6.73828125e-02,
         1.59179688e-01, -3.78906250e-01, -3.35937500e-01,  2.21679688e-01,
         1.16699219e-01,  1.41601562e-01,  8.98437500e-02, -3.18359375e-01,
        -7.17773438e-02, -2.87109375e-01, -5.95703125e-02, -6.86645508e-03,
         4.96093750e-01,  3.17382812e-02,  4.34570312e-02,  1.31835938e-01,
        -2.80761719e-03, -1.30859375e-01, -3.78906250e-01,  4.22363281e-02,
         3.49121094e-02, -1.35742188e-01, -2.31933594e-02,  1.98242188e-01,
        -2.81250000e-01, -2.73437500e-01,  3.24218750e-01, -1.61132812e-01,
         9.42382812e-02,  2.89062500e-01,  1.75781250e-01, -4.17480469e-02,
        -7.51953125e-02, -5.00488281e-02,  1.63085938e-01, -2.55126953e-02,
        -1.05590820e-02,  4.45312500e-01, -1.89453125e-01,  3.55468750e-01,
        -1.14257812e-01, -1.11328125e-01, -4.12597656e-02,  6.78710938e-02,
        -4.39453125e-02,  1.53320312e-01,  2.26562500e-01, -3.30078125e-01,
```

```
        -2.49023438e-01,  7.56835938e-02,  7.61718750e-02,  1.19140625e-01,
         7.87353516e-03, -1.99218750e-01, -2.09960938e-01,  2.20703125e-01,
        -2.44140625e-02,  5.27343750e-02, -1.48437500e-01,  9.22851562e-02,
        -4.08203125e-01, -2.94921875e-01,  7.22656250e-02, -2.43164062e-01,
         8.49609375e-02, -1.50390625e-01, -2.03125000e-01, -1.15722656e-01,
         6.39648438e-02,  1.47460938e-01,  1.52343750e-01, -2.28515625e-01,
        -9.57031250e-02, -1.77734375e-01, -2.39257812e-01, -3.29589844e-02,
        -7.27539062e-02, -1.66992188e-01,  1.94335938e-01,  7.11059570e-03,
        -4.54101562e-02, -4.35546875e-01, -1.52343750e-01, -7.97271729e-04,
         9.66796875e-02, -2.77343750e-01, -3.49609375e-01, -2.67578125e-01,
        -4.64843750e-01, -1.03027344e-01,  2.69531250e-01,  3.66210938e-02,
         2.75390625e-01, -2.62451172e-02, -2.67578125e-01, -5.39062500e-01,
        -8.05664062e-02,  2.15820312e-01,  1.95312500e-01,  4.85839844e-02,
         1.47460938e-01, -8.78906250e-02, -1.42578125e-01, -2.41210938e-01,
        -4.12109375e-01,  9.61914062e-02, -1.43554688e-01,  1.30004883e-02,
        -3.97949219e-02, -2.55859375e-01, -1.96533203e-02, -9.52148438e-02,
        -1.48925781e-02,  1.16699219e-01, -1.09863281e-01, -1.81640625e-01,
         2.67578125e-01,  2.29492188e-02,  2.83203125e-01, -4.80957031e-02,
         1.64062500e-01,  2.43164062e-01,  1.28906250e-01,  2.50000000e-01,
         2.44140625e-02, -3.88671875e-01,  9.76562500e-02, -2.10937500e-01,
         1.60156250e-01,  9.76562500e-02,  4.17480469e-02,  3.78906250e-01,
        -8.34960938e-02, -2.85156250e-01, -1.36718750e-01, -9.22851562e-02,
        -2.18750000e-01, -2.63671875e-01, -1.73339844e-02, -1.58203125e-01,
         5.73730469e-02,  1.12792969e-01,  1.88476562e-01, -1.75781250e-01,
        -1.66992188e-01,  1.17675781e-01,  1.11328125e-01,  2.28515625e-01,
         6.44531250e-02,  2.35595703e-02, -5.37109375e-02, -2.85644531e-02,
        -3.61328125e-01,  4.66308594e-02,  1.24023438e-01,  3.66210938e-02,
         1.98242188e-01,  3.55468750e-01,  2.73437500e-01, -1.46484375e-01,
        -6.68945312e-02, -2.02148438e-01,  3.94531250e-01, -8.00781250e-02,
        -1.35742188e-01,  1.10351562e-01, -1.90429688e-01, -3.07617188e-02,
         2.48718262e-03,  9.47265625e-02,  1.76757812e-01,  1.24023438e-01,
        -9.08203125e-02,  3.35937500e-01,  2.21679688e-01,  8.54492188e-0
2],
       dtype=float32),
 'within': array([-0.11181641, -0.25      ,  0.15527344,  0.05419922, -0.04
907227,
        -0.14648438, -0.12451172, -0.21777344,  0.125     , -0.12109375,
        -0.16601562, -0.03015137, -0.13378906,  0.05175781,  0.09570312,
        -0.14648438,  0.08056641,  0.17285156, -0.07128906, -0.04150391,
        -0.10986328, -0.04760742, -0.10986328, -0.00037003,  0.09130859,
         0.21582031, -0.13183594,  0.19238281,  0.04589844, -0.06640625,
        -0.12890625,  0.04541016, -0.11865234,  0.11230469, -0.21289062,
        -0.11425781, -0.18359375, -0.10058594,  0.03710938,  0.18164062,
         0.19042969, -0.07373047, -0.23046875, -0.05224609, -0.13476562,
        -0.01879883, -0.02697754, -0.18164062, -0.01745605, -0.14355469,
         0.12451172, -0.10742188, -0.15820312,  0.1015625 , -0.09619141,
         0.08203125,  0.06396484, -0.00219727,  0.21777344, -0.09863281,
        -0.07910156,  0.05322266, -0.11132812, -0.26757812, -0.09765625,
        -0.01953125, -0.09375   ,  0.26757812, -0.07519531,  0.0703125 ,
        -0.21875   , -0.08642578,  0.06201172, -0.01470947, -0.06396484,
        -0.20507812,  0.24023438, -0.0123291 , -0.02868652,  0.09765625,
        -0.06079102, -0.04345703, -0.05957031,  0.06347656, -0.12304688,
        -0.10986328,  0.02355957, -0.02392578, -0.03710938,  0.14160156,
         0.08398438, -0.03027344, -0.04980469, -0.20996094,  0.02832031,
        -0.06835938,  0.07226562, -0.16308594, -0.21679688,  0.19042969,
         0.12402344, -0.078125  ,  0.18359375, -0.12011719, -0.00616455,
        -0.18066406,  0.0168457 , -0.05419922, -0.05712891, -0.02209473,
        -0.07373047,  0.0480957 , -0.078125  , -0.14550781,  0.0378418 ,
         0.20898438, -0.13867188,  0.20410156,  0.18359375,  0.05224609,
        -0.21289062, -0.20507812, -0.03588867,  0.07910156, -0.13378906,
        -0.05126953, -0.09326172, -0.01165771, -0.00408936,  0.23339844,
         0.13476562,  0.07373047,  0.07421875, -0.08398438, -0.27734375,
        -0.00224304,  0.17773438, -0.25      ,  0.06884766,  0.08447266,
        -0.11816406, -0.18457031, -0.07373047,  0.09912109,  0.05908203,
```

```
        -0.18164062, -0.12060547, -0.0222168 , -0.16210938,  0.11767578,
         0.27929688,  0.15136719,  0.03076172,  0.04931641,  0.04492188,
         0.28125   , -0.16503906,  0.07226562, -0.22167969, -0.02124023,
        -0.05249023,  0.10742188,  0.0012207 ,  0.01843262, -0.0534668 ,
         0.05322266,  0.01251221,  0.03063965, -0.140625  ,  0.08056641,
        -0.13574219, -0.23730469, -0.18164062,  0.0703125 ,  0.21289062,
        -0.06298828, -0.06933594,  0.08886719,  0.02697754, -0.10400391,
        -0.13574219, -0.08935547,  0.04638672,  0.17285156, -0.0859375 ,
        -0.00799561, -0.01879883,  0.13769531,  0.13085938,  0.16992188,
         0.00097656, -0.10449219, -0.00595093,  0.15039062, -0.16796875,
        -0.24804688, -0.00970459,  0.13085938, -0.17285156, -0.20117188,
         0.140625  ,  0.04394531,  0.0390625 ,  0.00164032, -0.05444336,
         0.05639648,  0.12158203, -0.07421875,  0.22949219, -0.12597656,
        -0.05200195, -0.13183594, -0.0168457 ,  0.15820312,  0.01745605,
         0.20996094,  0.0045166 , -0.08251953, -0.09179688,  0.265625  ,
        -0.01611328, -0.04174805, -0.05322266, -0.20605469,  0.11279297,
         0.00970459,  0.11181641,  0.07568359,  0.19921875,  0.05273438,
         0.06542969, -0.33984375,  0.109375  ,  0.06079102,  0.03320312,
        -0.01428223,  0.10449219,  0.10449219,  0.02050781,  0.17285156,
        -0.22070312,  0.03088379,  0.12011719, -0.29101562, -0.05932617,
         0.06201172, -0.13964844,  0.06176758,  0.20605469,  0.1015625 ,
        -0.00595093,  0.10400391, -0.07177734,  0.0189209 ,  0.24023438,
        -0.0133667 ,  0.00595093,  0.17871094,  0.07373047, -0.15429688,
         0.04394531, -0.08398438, -0.03369141,  0.00708008,  0.19824219,
         0.13574219,  0.14746094, -0.00735474, -0.06689453, -0.14355469,
         0.12011719,  0.02502441, -0.03198242,  0.0246582 ,  0.06445312,
        -0.18945312, -0.19238281, -0.20800781,  0.07226562,  0.10253906,
         0.02624512, -0.03540039, -0.12451172,  0.21484375,  0.06030273,
         0.22949219, -0.19335938, -0.08056641, -0.09277344,  0.09814453,
        -0.06738281,  0.09814453, -0.15429688, -0.125     , -0.12695312,
         0.10839844, -0.11865234, -0.10595703, -0.09423828, -0.08886719],
       dtype=float32),
 'clinic': array([-0.02368164,  0.04931641,  0.18164062, -0.06835938,  0.08
789062,
         0.22363281,  0.01916504, -0.12695312, -0.05517578, -0.18457031,
         0.06225586,  0.01879883,  0.38085938, -0.07080078, -0.04077148,
         0.11132812, -0.08984375,  0.30664062,  0.14453125, -0.04589844,
         0.5390625 ,  0.15136719,  0.09570312,  0.18457031, -0.13183594,
        -0.28710938, -0.25976562,  0.17089844, -0.00878906, -0.40625   ,
        -0.11181641, -0.20800781,  0.01245117, -0.07714844, -0.21875   ,
         0.10742188,  0.19140625, -0.04711914,  0.12402344, -0.203125  ,
        -0.07128906, -0.06787109, -0.17480469,  0.05859375,  0.0267334 ,
        -0.2109375 ,  0.00104523,  0.15917969,  0.05517578,  0.21875   ,
         0.13183594, -0.140625  , -0.24511719, -0.08691406, -0.00561523,
        -0.3671875 , -0.07763672,  0.20019531, -0.26171875, -0.20019531,
        -0.00460815, -0.2890625 ,  0.16894531, -0.03613281,  0.22363281,
         0.08056641,  0.03491211,  0.33007812, -0.03808594, -0.02954102,
        -0.02148438,  0.01013184,  0.25390625,  0.05517578, -0.36328125,
         0.27929688,  0.06835938, -0.09765625, -0.00305176,  0.23535156,
         0.04663086, -0.04516602, -0.296875  ,  0.07373047, -0.18945312,
        -0.12158203, -0.25585938,  0.15820312,  0.38476562, -0.19140625,
         0.09716797,  0.05737305,  0.09960938, -0.296875  ,  0.03540039,
         0.21777344,  0.265625  , -0.15722656,  0.04589844,  0.19921875,
         0.0625    , -0.15332031,  0.02697754,  0.12890625,  0.23925781,
         0.0255127 ,  0.21386719, -0.24609375,  0.10742188, -0.140625  ,
         0.18261719,  0.19335938,  0.00106812, -0.01586914, -0.02026367,
        -0.06396484, -0.04956055, -0.40625   ,  0.07519531, -0.09765625,
        -0.24023438, -0.29492188, -0.18457031,  0.06054688,  0.01324463,
        -0.03613281, -0.12890625,  0.01696777,  0.5       ,  0.23535156,
        -0.046875  , -0.43164062, -0.03979492, -0.09472656, -0.06542969,
        -0.3984375 ,  0.10546875,  0.01367188, -0.05981445,  0.18261719,
        -0.43945312, -0.00686646,  0.20410156,  0.22558594,  0.09863281,
         0.12158203,  0.08447266,  0.02819824, -0.359375  , -0.18164062,
         0.51953125,  0.06738281, -0.25390625, -0.05151367,  0.203125  ,
```

```
         0.10449219,  0.00427246, -0.00576782, -0.0055542 , -0.11572266,
         0.1171875 ,  0.24414062,  0.13476562, -0.24121094, -0.20703125,
        -0.24804688, -0.11767578, -0.23242188, -0.19824219, -0.27929688,
        -0.0402832 ,  0.05175781, -0.01672363, -0.15332031,  0.04638672,
        -0.09472656,  0.19726562,  0.12207031,  0.0402832 ,  0.01531982,
        -0.16210938,  0.09375   ,  0.03198242, -0.06640625, -0.25976562,
        -0.01269531,  0.14550781,  0.07910156,  0.00132751, -0.00306702,
        -0.08544922,  0.15136719,  0.21582031,  0.17480469, -0.203125  ,
        -0.16699219, -0.16113281, -0.17480469,  0.02416992,  0.24414062,
        -0.12988281,  0.140625  ,  0.15332031, -0.29296875, -0.01348877,
        -0.16503906,  0.35742188,  0.17871094,  0.3125    , -0.13085938,
        -0.01403809,  0.09277344, -0.3828125 ,  0.17480469,  0.01068115,
        -0.0480957 , -0.13867188, -0.05493164, -0.32617188, -0.05810547,
         0.1328125 ,  0.18261719,  0.19335938, -0.04589844,  0.12792969,
        -0.10986328, -0.30859375,  0.18554688, -0.10449219, -0.04736328,
         0.2734375 ,  0.02148438, -0.00546265, -0.16503906,  0.06103516,
         0.08105469,  0.15234375,  0.42382812, -0.25      , -0.24414062,
         0.06835938,  0.02856445,  0.19726562, -0.12011719,  0.04858398,
        -0.01062012, -0.03271484, -0.05541992, -0.06201172,  0.10400391,
         0.03344727, -0.03588867,  0.23730469,  0.03808594,  0.18066406,
         0.30078125,  0.08056641,  0.00683594, -0.19726562,  0.16601562,
        -0.25195312,  0.02319336,  0.10595703, -0.26171875,  0.06445312,
         0.04418945,  0.13476562, -0.20214844, -0.0088501 ,  0.31445312,
         0.31835938, -0.08935547, -0.01031494, -0.203125  ,  0.08300781,
        -0.18457031,  0.10888672, -0.01965332, -0.02172852, -0.06640625,
         0.23242188, -0.08398438,  0.23730469,  0.32421875, -0.14257812,
        -0.18359375,  0.20117188,  0.0625    ,  0.04638672,  0.0703125 ,
         0.140625  , -0.00460815, -0.19433594,  0.13085938,  0.05688477,
         0.16210938, -0.26171875,  0.02197266, -0.15039062,  0.0123291 ],
       dtype=float32),
 'school': array([ 9.13085938e-02,  2.81982422e-02,  3.68652344e-02,  2.187
50000e-01,
         9.76562500e-02, -6.59179688e-02,  1.56250000e-01, -4.68750000e-02,
        -4.66918945e-03, -9.08203125e-02,  2.49023438e-01,  4.56542969e-02,
         6.64062500e-02, -9.86328125e-02, -1.05957031e-01,  1.06445312e-01,
        -2.00195312e-01,  1.40991211e-02,  1.36718750e-01, -8.78906250e-02,
         2.05078125e-01,  1.70898438e-01,  1.16577148e-02,  1.71875000e-01,
         4.85229492e-03, -3.49609375e-01,  2.27355957e-03,  1.84570312e-01,
         1.19628906e-01, -2.51464844e-02,  1.02050781e-01, -1.06933594e-01,
         4.00390625e-02,  7.50732422e-03, -1.63085938e-01, -1.49414062e-01,
         2.28515625e-01, -5.02929688e-02,  4.63867188e-02,  1.25000000e-01,
         1.30615234e-02,  1.27929688e-01,  1.10351562e-01, -5.05371094e-02,
         3.44238281e-02,  1.44531250e-01,  1.71875000e-01, -2.78320312e-02,
        -1.10839844e-01,  2.29492188e-01, -1.17187500e-01, -1.22070312e-01,
        -3.55529785e-03, -1.13769531e-01,  2.11914062e-01, -2.08984375e-01,
        -1.04492188e-01,  4.39453125e-02, -1.23291016e-02, -1.59179688e-01,
        -8.83789062e-02, -4.00390625e-02,  1.06445312e-01, -5.07812500e-02,
         7.76367188e-02,  1.46484375e-01, -1.72851562e-01,  2.07031250e-01,
         2.20947266e-02,  4.05273438e-02, -1.83593750e-01,  1.21093750e-01,
         8.69140625e-02,  3.68652344e-02, -1.11328125e-01,  3.55468750e-01,
         2.87109375e-01,  3.18908691e-03,  1.72851562e-01,  1.58203125e-01,
         4.98046875e-02, -1.66992188e-01, -1.50390625e-01,  2.08007812e-01,
         5.51757812e-02,  3.95507812e-02,  3.71093750e-02,  2.37304688e-01,
         1.66015625e-01, -2.83203125e-02, -1.81884766e-02, -1.89453125e-01,
        -1.36718750e-02, -1.53320312e-01, -1.78222656e-02,  9.42382812e-02,
         1.59179688e-01,  6.34765625e-02, -6.25000000e-02,  7.17773438e-02,
        -4.78515625e-02, -1.33666992e-02, -1.38671875e-01,  6.12792969e-02,
        -2.17773438e-01, -8.34960938e-02,  1.29394531e-02,  5.56640625e-02,
        -2.17285156e-02, -2.08007812e-01, -2.30468750e-01,  1.69921875e-01,
        -3.36914062e-02, -4.51660156e-02,  1.65039062e-01, -2.51770020e-04,
         6.68945312e-02, -4.98046875e-02, -1.41601562e-01, -1.62109375e-01,
        -1.12304688e-01, -1.51977539e-02,  2.47802734e-02, -2.17285156e-02,
        -5.95703125e-02, -4.51660156e-02, -8.25195312e-02, -1.35742188e-01,
         3.06701660e-03,  8.20312500e-02,  9.08203125e-02, -3.55468750e-01,
```

```
        -1.94335938e-01, -1.02050781e-01, -1.32812500e-01, -2.99072266e-02,
         2.72216797e-02, -1.04308128e-05, -2.78320312e-02,  7.03125000e-02,
        -3.55468750e-01, -3.55468750e-01,  1.29882812e-01,  4.57763672e-03,
        -2.61230469e-02,  2.14843750e-01, -9.66796875e-02, -9.52148438e-02,
        -2.22167969e-02,  4.74929810e-04,  4.04296875e-01, -1.77734375e-01,
        -9.03320312e-02,  1.49414062e-01, -2.06054688e-01, -1.28906250e-01,
         2.55859375e-01, -2.39257812e-01,  1.07421875e-01, -7.27539062e-02,
        -2.27539062e-01,  1.13769531e-01,  2.04101562e-01,  1.95312500e-01,
        -7.76367188e-02,  1.15356445e-02, -3.07617188e-02, -2.09960938e-01,
         6.12792969e-02,  5.27343750e-02, -2.17773438e-01,  3.93066406e-02,
         1.58691406e-02, -2.63671875e-01,  1.68457031e-02,  6.54296875e-02,
         1.72119141e-02,  1.22558594e-01,  1.04370117e-02,  2.47070312e-01,
        -3.17382812e-03,  5.81054688e-02,  1.70898438e-02,  4.88281250e-02,
         8.49609375e-02,  1.28173828e-02, -8.59375000e-02, -6.29882812e-02,
         2.25585938e-01,  9.22851562e-02,  7.27539062e-02, -9.03320312e-02,
        -2.17285156e-02,  1.78710938e-01, -2.67578125e-01, -8.20312500e-02,
         1.15234375e-01, -1.87500000e-01, -7.35473633e-03, -1.95312500e-02,
        -1.05957031e-01, -2.19726562e-02,  2.13867188e-01, -2.83203125e-01,
        -6.73828125e-02, -2.92968750e-01,  1.74560547e-02, -2.53906250e-01,
        -5.00488281e-02, -1.42669678e-03,  8.93554688e-02, -1.51367188e-01,
         1.77734375e-01, -3.57421875e-01, -3.26171875e-01,  3.24218750e-01,
        -1.01562500e-01,  5.95703125e-02, -1.35742188e-01, -1.43554688e-01,
        -1.24511719e-01, -9.22851562e-02,  2.50244141e-02,  1.46484375e-01,
         1.23046875e-01,  2.73437500e-02, -2.57812500e-01,  1.13281250e-01,
         7.66601562e-02, -3.68652344e-02,  2.08007812e-01,  7.91015625e-02,
         4.98046875e-02,  1.61132812e-01,  2.12402344e-02,  8.39843750e-02,
         9.09423828e-03, -1.93359375e-01,  1.62353516e-02, -2.95410156e-02,
         7.03125000e-02, -5.29785156e-02,  2.30468750e-01, -8.74023438e-02,
        -2.73437500e-01, -1.16210938e-01, -1.64062500e-01, -6.59179688e-02,
         1.63574219e-02, -6.13403320e-03,  3.19824219e-02,  9.76562500e-02,
         1.38671875e-01,  1.42578125e-01, -8.74023438e-02, -2.67578125e-01,
         1.15722656e-01, -2.60009766e-02,  1.92871094e-02,  2.51953125e-01,
         4.58984375e-02,  1.39648438e-01, -2.47070312e-01, -9.22851562e-02,
         9.57031250e-02, -5.61523438e-02,  3.63769531e-02,  6.64062500e-02,
        -4.66308594e-02,  5.98144531e-02,  1.01562500e-01, -4.68750000e-02,
         9.08203125e-02,  2.08984375e-01, -7.81250000e-02, -2.51953125e-01,
         3.06640625e-01, -3.14453125e-01, -6.07910156e-02, -3.10546875e-01,
        -1.17187500e-01, -5.05371094e-02, -1.36718750e-01,  2.51953125e-01,
        -1.91406250e-01, -4.88281250e-04, -9.32617188e-02,  1.96289062e-01,
         1.51367188e-01,  2.98828125e-01, -1.07910156e-01, -2.39257812e-02,
        -1.47460938e-01, -6.68945312e-02,  1.04980469e-01, -5.73730469e-02,
        -1.05957031e-01, -1.25122070e-02,  9.08203125e-02,  1.20117188e-0
1],
       dtype=float32),
 'appropriate': array([-0.1171875 ,  0.0378418 , -0.015625  ,  0.06298828,
-0.171875  ,
        -0.16308594,  0.28710938,  0.16601562,  0.18164062, -0.14941406,
        -0.15820312, -0.13769531,  0.15820312,  0.12304688, -0.15136719,
         0.12597656, -0.16992188,  0.01513672, -0.02856445, -0.15917969,
         0.04931641, -0.14746094, -0.07128906,  0.06787109, -0.0324707 ,
        -0.01879883, -0.15917969, -0.03320312,  0.15332031, -0.02905273,
        -0.00769043, -0.20019531, -0.16210938, -0.00228882, -0.16113281,
        -0.2578125 ,  0.09667969, -0.13574219,  0.12451172, -0.1796875 ,
         0.26953125,  0.16894531,  0.12060547, -0.25390625, -0.06982422,
        -0.06787109,  0.10644531, -0.02868652, -0.09228516, -0.11132812,
        -0.01733398, -0.00674438, -0.09765625,  0.02441406, -0.10009766,
         0.01989746, -0.1328125 , -0.23144531,  0.10449219, -0.09667969,
        -0.35351562, -0.12988281, -0.31054688, -0.07324219, -0.09277344,
         0.08349609, -0.37304688,  0.08740234, -0.14160156,  0.01574707,
         0.07324219, -0.10888672,  0.19238281,  0.02172852, -0.13476562,
        -0.01159668,  0.24414062,  0.03662109,  0.18457031,  0.30273438,
         0.09863281, -0.04858398, -0.02197266,  0.04589844,  0.0703125 ,
        -0.01263428,  0.03442383,  0.03979492,  0.00811768,  0.30859375,
         0.15820312, -0.00708008,  0.07226562, -0.05175781,  0.17773438,
```

```
        -0.07958984,  0.07373047,  0.17285156, -0.21484375, -0.09472656,
        -0.13769531,  0.29492188, -0.10009766, -0.12890625, -0.359375  ,
        -0.04370117, -0.12304688, -0.04443359,  0.17285156,  0.02661133,
        -0.21289062, -0.04174805, -0.2109375 , -0.05249023,  0.12353516,
        -0.01940918,  0.1796875 ,  0.00491333,  0.02587891,  0.10595703,
        -0.2109375 , -0.16601562,  0.04956055,  0.00836182, -0.03686523,
         0.10058594,  0.078125  , -0.16601562, -0.078125  ,  0.13867188,
        -0.18554688, -0.13964844, -0.32421875,  0.1328125 ,  0.03979492,
        -0.12695312, -0.11865234, -0.04882812,  0.17382812,  0.34765625,
         0.09716797,  0.15820312, -0.09863281,  0.06079102,  0.05541992,
        -0.0390625 , -0.19433594,  0.06982422, -0.05834961, -0.05493164,
        -0.02368164,  0.28125   , -0.02648926, -0.140625  , -0.0859375 ,
        -0.19726562, -0.18945312, -0.03564453,  0.03735352,  0.05786133,
         0.09521484, -0.07666016,  0.23339844,  0.10888672,  0.05004883,
         0.06542969, -0.23046875,  0.05249023,  0.06884766,  0.03063965,
         0.0378418 , -0.04150391, -0.02624512,  0.16992188,  0.01202393,
         0.13964844,  0.24121094, -0.06738281, -0.10693359,  0.10546875,
        -0.14453125,  0.0402832 , -0.28320312, -0.13378906,  0.04101562,
        -0.08691406,  0.02697754, -0.07568359,  0.13574219,  0.03881836,
        -0.24609375, -0.0067749 ,  0.02893066, -0.25976562, -0.07666016,
        -0.24316406, -0.00830078, -0.31640625,  0.07421875, -0.16796875,
        -0.09277344,  0.109375  ,  0.04736328,  0.03662109, -0.03686523,
        -0.11767578, -0.07519531,  0.17285156,  0.06787109, -0.10107422,
         0.10107422, -0.13476562, -0.00291443,  0.02404785, -0.1640625 ,
         0.02954102,  0.19238281,  0.06494141, -0.02746582,  0.08789062,
        -0.12353516,  0.03564453, -0.18359375, -0.19921875,  0.26757812,
        -0.00653076,  0.16503906, -0.22558594, -0.13964844,  0.2890625 ,
        -0.05615234,  0.03540039, -0.11962891,  0.06738281,  0.07519531,
        -0.12207031,  0.11669922,  0.10253906,  0.22070312,  0.12255859,
        -0.10351562, -0.13769531,  0.18847656, -0.07421875, -0.06396484,
        -0.11962891, -0.1796875 ,  0.12402344,  0.00549316, -0.28710938,
        -0.13476562,  0.13964844, -0.10839844, -0.04125977,  0.24902344,
        -0.16308594,  0.00686646, -0.1796875 ,  0.0168457 , -0.20019531,
        -0.12695312, -0.13867188, -0.06542969,  0.10205078,  0.10546875,
         0.05737305, -0.02648926, -0.1484375 , -0.16601562, -0.0027771 ,
         0.0559082 ,  0.20996094,  0.1796875 ,  0.24316406,  0.09521484,
        -0.1484375 ,  0.00726318, -0.1171875 , -0.17382812,  0.21484375,
        -0.08496094, -0.03662109,  0.0703125 ,  0.05883789,  0.1171875 ,
         0.21679688, -0.01483154,  0.01879883,  0.13183594, -0.0291748 ,
        -0.10449219,  0.09228516,  0.23535156,  0.11328125,  0.0133667 ,
         0.2109375 ,  0.1328125 ,  0.02966309, -0.39257812,  0.12304688],
       dtype=float32),
 'home': array([-0.01184082,  0.07958984,  0.0168457 , -0.08984375,  0.0864
2578,
         0.02416992,  0.0255127 , -0.18945312,  0.14160156,  0.08447266,
         0.16992188, -0.25      , -0.0534668 , -0.02832031,  0.04541016,
        -0.14746094,  0.01226807,  0.05639648,  0.01953125,  0.21582031,
         0.15722656, -0.15917969,  0.08837891, -0.10595703, -0.00408936,
        -0.02331543, -0.04931641,  0.08154297,  0.03808594,  0.00177002,
         0.05517578,  0.03735352, -0.14648438, -0.03808594, -0.05517578,
         0.01135254, -0.07861328, -0.14941406,  0.09033203,  0.03710938,
         0.08837891, -0.01483154,  0.18261719,  0.09667969, -0.05517578,
         0.16308594,  0.03955078,  0.1640625 ,  0.08398438,  0.0279541 ,
        -0.03442383,  0.296875  ,  0.140625  ,  0.09863281, -0.18457031,
        -0.26367188, -0.12109375,  0.18261719,  0.02282715, -0.04248047,
        -0.02062988,  0.08251953, -0.00140381,  0.02246094, -0.07617188,
         0.02709961, -0.04711914,  0.05639648, -0.00250244,  0.11328125,
         0.12890625, -0.09667969,  0.06738281, -0.08154297, -0.10546875,
         0.06982422, -0.02294922,  0.00622559,  0.01843262, -0.02612305,
         0.05786133,  0.07714844,  0.01019287,  0.1796875 ,  0.12988281,
        -0.04711914, -0.16699219,  0.24707031, -0.03027344,  0.05224609,
        -0.14746094,  0.06738281, -0.05615234, -0.48632812, -0.00769043,
        -0.02685547,  0.08398438, -0.02868652, -0.07080078, -0.08203125,
        -0.01989746, -0.18847656,  0.18652344,  0.18554688, -0.05200195,
```

```
        -0.12792969,  0.10107422,  0.08007812,  0.11669922, -0.21875   ,
         0.11962891,  0.05859375,  0.01422119, -0.16210938,  0.10302734,
         0.07910156, -0.00204468,  0.15234375, -0.07128906,  0.07470703,
        -0.14550781, -0.02868652,  0.06689453,  0.01879883, -0.05224609,
         0.0055542 , -0.05395508, -0.09033203, -0.07568359,  0.10791016,
         0.04077148, -0.15429688, -0.00665283,  0.04711914, -0.19921875,
        -0.19140625,  0.01348877, -0.09765625, -0.06982422,  0.11230469,
        -0.25      ,  0.01696777,  0.12695312, -0.12353516,  0.03564453,
         0.06201172, -0.04980469,  0.109375  , -0.09619141, -0.04736328,
         0.06884766,  0.04345703,  0.06445312,  0.11230469, -0.171875  ,
        -0.05688477, -0.07470703, -0.12060547,  0.1015625 , -0.09570312,
        -0.25976562,  0.16796875,  0.07421875, -0.11523438,  0.05957031,
        -0.06494141, -0.00628662, -0.05102539,  0.02368164,  0.02307129,
        -0.23730469, -0.12695312, -0.00939941, -0.10644531, -0.05957031,
         0.08349609,  0.21679688,  0.01239014, -0.18945312,  0.26171875,
        -0.16015625, -0.03100586,  0.13867188, -0.01470947,  0.04882812,
        -0.16210938,  0.03564453,  0.16113281, -0.01623535, -0.07080078,
         0.03833008, -0.12890625,  0.20605469,  0.03344727, -0.19335938,
         0.14453125,  0.10107422,  0.07324219, -0.06030273,  0.01489258,
        -0.16601562,  0.02819824, -0.1015625 , -0.15429688,  0.09667969,
         0.01721191, -0.00576782,  0.08251953,  0.07080078, -0.1796875 ,
        -0.09326172,  0.01733398, -0.23925781, -0.03344727, -0.15234375,
         0.12792969, -0.04370117,  0.09082031, -0.35546875, -0.02502441,
         0.125     , -0.02770996, -0.03881836, -0.04931641, -0.11865234,
        -0.01324463, -0.03393555,  0.18164062, -0.01818848,  0.04956055,
         0.03149414,  0.00823975, -0.13183594, -0.12304688, -0.11865234,
         0.28710938,  0.00830078, -0.09326172, -0.09423828,  0.04492188,
        -0.04052734, -0.16503906, -0.04077148, -0.13183594, -0.08300781,
         0.2421875 ,  0.06494141,  0.15234375,  0.16796875, -0.07617188,
         0.12792969,  0.07470703,  0.21679688,  0.01733398, -0.13378906,
         0.05297852, -0.12988281,  0.00125122, -0.04858398,  0.15917969,
        -0.12353516, -0.05249023,  0.07666016,  0.0625    ,  0.24121094,
         0.11572266, -0.04394531, -0.02160645, -0.12792969,  0.02368164,
         0.24414062,  0.04907227,  0.20996094, -0.140625  ,  0.12060547,
        -0.05322266,  0.01367188, -0.10791016,  0.1484375 , -0.15527344,
         0.14941406, -0.12109375, -0.06054688,  0.20410156, -0.10205078,
         0.02624512,  0.03222656,  0.07861328, -0.16796875,  0.14355469,
        -0.1953125 ,  0.03930664, -0.10986328,  0.00750732,  0.05883789,
        -0.05200195, -0.02990723, -0.13671875,  0.15332031, -0.00793457],
       dtype=float32),
 'setting': array([-0.03125   ,  0.3125    ,  0.09033203,  0.13476562,  0.2
2558594,
        -0.07666016, -0.05517578,  0.02819824, -0.0480957 ,  0.07177734,
         0.04370117, -0.11523438,  0.02697754, -0.18066406, -0.11572266,
         0.13964844,  0.00430298, -0.03015137, -0.0402832 , -0.02941895,
        -0.05883789,  0.11035156, -0.21582031,  0.11523438,  0.23535156,
         0.06591797, -0.25976562,  0.25195312, -0.2265625 ,  0.14257812,
        -0.0859375 , -0.13964844, -0.00741577, -0.05810547, -0.38085938,
        -0.203125  ,  0.03686523, -0.29296875,  0.15820312,  0.17675781,
         0.03930664,  0.11083984,  0.07080078,  0.06689453, -0.04321289,
        -0.09228516, -0.10595703,  0.27539062, -0.00198364,  0.04638672,
         0.0625    ,  0.27539062,  0.04760742, -0.18457031,  0.21386719,
         0.31835938,  0.03112793, -0.21484375, -0.16210938, -0.11035156,
        -0.14746094, -0.04052734,  0.06005859, -0.41015625, -0.10742188,
         0.17675781, -0.06152344, -0.01208496,  0.04125977,  0.02587891,
        -0.17773438,  0.14648438,  0.07128906, -0.125     , -0.04003906,
        -0.26757812,  0.22167969,  0.11669922,  0.0703125 ,  0.17675781,
         0.10742188, -0.08105469,  0.22460938,  0.15527344,  0.28125   ,
         0.01831055, -0.00830078, -0.03613281, -0.1484375 ,  0.00466919,
         0.26171875,  0.10351562, -0.03125   , -0.09667969,  0.11328125,
        -0.12109375,  0.07910156, -0.11621094, -0.15527344,  0.05859375,
        -0.16894531, -0.08251953,  0.18359375, -0.13574219,  0.01062012,
         0.16796875,  0.09130859, -0.10058594, -0.06445312,  0.02258301,
        -0.16601562, -0.02294922, -0.28320312, -0.12890625,  0.11181641,
```

```
         0.10009766,  0.18945312, -0.01147461, -0.07324219,  0.04956055,
        -0.07958984, -0.06201172,  0.29101562, -0.04980469,  0.08837891,
         0.16308594, -0.07373047, -0.24121094,  0.04003906,  0.09423828,
         0.03808594, -0.29882812,  0.10058594,  0.1796875 ,  0.0390625 ,
         0.171875  , -0.10253906, -0.16699219, -0.18359375, -0.1171875 ,
         0.13085938,  0.17285156, -0.03955078,  0.16308594,  0.10546875,
         0.08740234, -0.09375   , -0.10498047,  0.04345703,  0.08935547,
        -0.01434326,  0.14160156, -0.00515747, -0.26171875,  0.078125  ,
        -0.19628906,  0.11083984, -0.08007812,  0.0267334 , -0.05322266,
         0.05200195, -0.04785156,  0.02307129,  0.13964844, -0.18554688,
         0.18359375,  0.13964844,  0.04638672, -0.09228516, -0.05273438,
        -0.09912109, -0.11230469, -0.0267334 ,  0.03857422, -0.05639648,
        -0.16699219,  0.10888672, -0.06347656,  0.00292969,  0.04443359,
        -0.06494141, -0.10498047,  0.12255859, -0.0612793 ,  0.0234375 ,
        -0.17089844, -0.07519531, -0.06542969,  0.1484375 , -0.05322266,
        -0.08691406,  0.03442383,  0.30078125,  0.02233887, -0.1328125 ,
        -0.0625    , -0.09472656,  0.04785156,  0.11376953, -0.05834961,
         0.15722656,  0.03564453,  0.03173828, -0.24902344,  0.10302734,
        -0.19042969,  0.15820312, -0.18945312,  0.10693359, -0.0559082 ,
         0.18847656,  0.00769043,  0.01013184, -0.03149414, -0.08886719,
        -0.14550781,  0.16894531, -0.10888672, -0.27148438, -0.15429688,
         0.04199219,  0.16210938, -0.06445312,  0.01245117,  0.13476562,
         0.04052734, -0.10205078, -0.06494141,  0.01080322,  0.05224609,
        -0.25      , -0.07519531,  0.00860596,  0.13769531, -0.04077148,
        -0.04833984,  0.01538086, -0.05004883, -0.09667969, -0.11474609,
         0.20800781, -0.08642578, -0.02026367, -0.1875    ,  0.06542969,
        -0.16308594,  0.01556396,  0.02075195,  0.13867188, -0.14746094,
        -0.16601562,  0.13769531,  0.09716797,  0.19238281,  0.296875  ,
         0.09130859,  0.265625  ,  0.02331543,  0.05712891,  0.13671875,
        -0.05981445, -0.01177979,  0.07226562,  0.00265503,  0.1328125 ,
        -0.0480957 ,  0.16796875,  0.0067749 , -0.07714844,  0.11572266,
        -0.11376953,  0.05151367,  0.18554688, -0.06689453, -0.01916504,
         0.03295898, -0.04370117,  0.15820312,  0.1015625 ,  0.07519531,
         0.08789062, -0.13476562, -0.12792969,  0.11669922,  0.0071106 ,
         0.25195312, -0.01074219, -0.15234375,  0.12060547,  0.17871094,
        -0.27929688,  0.01330566, -0.09667969,  0.17285156, -0.08300781,
        -0.09033203,  0.08203125,  0.00296021,  0.11376953, -0.08740234],
       dtype=float32),
 'make': array([-0.11328125, -0.03686523,  0.09423828,  0.00799561,  0.0249
0234,
        -0.16699219,  0.03662109,  0.07324219,  0.21386719, -0.03857422,
        -0.09863281, -0.09033203, -0.06884766,  0.34765625,  0.05151367,
        -0.03369141,  0.15332031,  0.10595703,  0.09765625,  0.05078125,
        -0.03173828,  0.01855469,  0.24804688,  0.18359375,  0.00363159,
        -0.1484375 , -0.16113281, -0.00836182, -0.09082031,  0.04736328,
         0.0012207 ,  0.12597656, -0.13964844,  0.04418945, -0.05395508,
        -0.05639648,  0.07275391,  0.14648438,  0.19433594,  0.15820312,
         0.17871094, -0.07568359,  0.15625   , -0.1171875 ,  0.04125977,
        -0.03039551, -0.04785156, -0.00136566,  0.03149414,  0.02624512,
         0.04370117,  0.08984375,  0.05859375, -0.21191406, -0.12011719,
         0.16503906, -0.06884766, -0.13476562, -0.05517578, -0.03442383,
         0.02209473, -0.02722168, -0.09082031, -0.01647949, -0.07275391,
         0.09667969,  0.00915527,  0.24902344, -0.06884766,  0.06835938,
         0.09667969,  0.11669922,  0.0378418 , -0.05200195, -0.16601562,
        -0.16699219,  0.11962891,  0.16503906, -0.02929688,  0.04882812,
         0.00328064, -0.23632812, -0.03881836,  0.01647949,  0.04516602,
        -0.10400391,  0.06030273,  0.05175781,  0.01495361,  0.09765625,
         0.140625  , -0.00138855,  0.04248047, -0.08398438, -0.03027344,
        -0.375     , -0.01269531,  0.12353516,  0.11962891,  0.02734375,
        -0.00411987, -0.08105469,  0.01672363,  0.14550781, -0.11474609,
        -0.15625   ,  0.07470703, -0.13476562, -0.04663086,  0.01385498,
        -0.125     , -0.09619141, -0.06689453,  0.02832031,  0.08935547,
        -0.02685547,  0.19335938, -0.03686523, -0.06176758, -0.02819824,
         0.10400391,  0.12158203, -0.01177979,  0.37890625,  0.01257324,
```

```
        -0.07275391,  0.05029297, -0.09277344,  0.03271484, -0.01794434,
        -0.08300781, -0.18066406, -0.05297852,  0.22167969,  0.08447266,
         0.00592041, -0.04980469,  0.06396484, -0.04711914, -0.14941406,
         0.16113281, -0.14746094, -0.07128906,  0.05908203,  0.07421875,
         0.1640625 ,  0.0559082 , -0.19433594, -0.02819824,  0.08496094,
        -0.09912109, -0.05957031, -0.02111816, -0.01525879, -0.03491211,
        -0.10498047,  0.08447266,  0.00271606, -0.10546875, -0.13867188,
        -0.00358582, -0.02661133, -0.11962891, -0.15136719,  0.1640625 ,
        -0.12890625,  0.04663086, -0.01275635,  0.17773438, -0.04663086,
        -0.17773438, -0.13476562, -0.07714844, -0.16210938, -0.13476562,
        -0.10058594,  0.02160645, -0.10058594, -0.0534668 ,  0.21972656,
         0.00332642, -0.23339844,  0.10693359,  0.10302734, -0.25      ,
        -0.16699219, -0.17089844, -0.15527344,  0.01623535, -0.10888672,
         0.14160156, -0.06933594,  0.02319336, -0.13867188, -0.15234375,
        -0.06005859, -0.00787354, -0.24609375, -0.3515625 , -0.125     ,
         0.09619141, -0.11865234, -0.10205078,  0.06689453, -0.01208496,
        -0.14160156, -0.13769531, -0.07080078,  0.16796875, -0.13476562,
         0.04638672,  0.16992188,  0.09814453,  0.20703125, -0.21972656,
         0.12988281,  0.20117188,  0.17871094, -0.08447266, -0.03515625,
         0.09912109,  0.10107422, -0.12158203,  0.06738281,  0.05053711,
         0.07373047, -0.05249023, -0.0625    ,  0.03881836,  0.10595703,
         0.32226562, -0.02209473,  0.09521484, -0.10644531,  0.22558594,
        -0.03735352,  0.04858398, -0.171875  , -0.02233887, -0.07617188,
        -0.12011719,  0.09082031, -0.07568359,  0.1171875 ,  0.10595703,
        -0.0480957 , -0.07470703,  0.03662109, -0.23339844, -0.07373047,
        -0.02661133,  0.09228516,  0.15527344,  0.08984375,  0.24121094,
         0.03125   ,  0.02429199,  0.30859375, -0.19042969, -0.08886719,
        -0.01757812, -0.06176758, -0.0324707 , -0.02441406,  0.20019531,
         0.01202393,  0.11914062, -0.203125  , -0.10693359, -0.14453125,
         0.18847656,  0.19042969,  0.18847656,  0.17285156,  0.11474609,
        -0.06494141, -0.14941406, -0.1796875 ,  0.00369263, -0.12060547,
         0.05688477, -0.11279297, -0.03088379,  0.14355469, -0.08398438,
         0.13085938, -0.07861328, -0.25      ,  0.06030273,  0.02966309,
        -0.12792969,  0.13769531, -0.12353516, -0.00891113, -0.12988281,
        -0.03417969,  0.04125977, -0.04858398,  0.29492188, -0.20214844],
       dtype=float32),
 'difference': array([ 1.14257812e-01, -1.16210938e-01,  4.78515625e-02, -
3.19824219e-02,
        -8.83789062e-02,  2.27539062e-01,  4.07714844e-02,  5.93261719e-02,
         2.51953125e-01,  3.35937500e-01, -1.61132812e-01, -1.48437500e-01,
         3.58886719e-02,  4.08203125e-01, -2.89062500e-01,  8.54492188e-02,
         2.91748047e-02,  9.96093750e-02, -1.39648438e-01, -7.08007812e-02,
        -2.57812500e-01,  2.12890625e-01, -4.22363281e-02, -7.27539062e-02,
        -6.25000000e-02,  3.33984375e-01, -1.59179688e-01, -1.27929688e-01,
        -7.95898438e-02,  2.05078125e-02, -3.37890625e-01, -2.21679688e-01,
         1.88476562e-01, -3.54003906e-02,  2.26562500e-01, -1.28173828e-02,
        -1.21582031e-01,  5.62500000e-01,  1.11328125e-01,  2.11914062e-01,
        -9.37500000e-02,  1.09863281e-01, -1.08886719e-01, -5.20019531e-02,
        -1.24023438e-01, -2.49023438e-01, -5.15136719e-02,  1.15722656e-01,
        -1.39648438e-01, -1.30859375e-01, -2.66113281e-02, -1.00708008e-02,
        -4.80957031e-02, -1.17675781e-01, -3.10546875e-01, -2.12890625e-01,
         6.68945312e-02, -4.05273438e-02, -2.79541016e-02, -9.03320312e-02,
         1.69677734e-02,  3.51562500e-02, -1.07421875e-01, -3.46374512e-03,
         1.85546875e-02, -2.18750000e-01, -1.66992188e-01,  2.25585938e-01,
        -2.79296875e-01, -1.00585938e-01, -1.65039062e-01, -2.53906250e-01,
        -1.76757812e-01, -3.83300781e-02, -1.99890137e-03,  8.05664062e-02,
         3.39843750e-01,  1.39648438e-01, -2.43164062e-01,  2.23632812e-01,
        -1.90429688e-01, -3.75976562e-02, -5.46264648e-03,  1.52343750e-01,
        -1.52343750e-01, -1.10839844e-01, -1.60156250e-01, -4.71191406e-02,
         1.49414062e-01,  4.22363281e-02,  1.19628906e-01,  1.56250000e-01,
         2.19726562e-01,  8.72612000e-05, -2.12890625e-01, -4.37500000e-01,
         1.59179688e-01,  9.13085938e-02, -2.16796875e-01, -1.34765625e-01,
         6.54296875e-02,  1.69921875e-01,  1.41601562e-01,  1.50390625e-01,
         2.38037109e-02, -1.48437500e-01, -9.71679688e-02, -9.91210938e-02,
```

```
         8.39843750e-02, -3.51562500e-02, -3.58886719e-02, -2.51953125e-01,
        -2.63671875e-01,  8.39843750e-02,  2.02148438e-01, -8.20312500e-02,
        -1.32812500e-01, -1.23535156e-01, -1.89453125e-01,  1.29882812e-01,
        -8.15429688e-02, -1.72119141e-02, -1.11328125e-01,  1.62109375e-01,
        -2.40234375e-01,  1.60156250e-01, -2.45117188e-01, -5.54199219e-02,
         1.32812500e-01,  1.88476562e-01, -7.51953125e-02, -1.10149384e-04,
         5.54199219e-02, -7.56835938e-02,  1.01074219e-01, -1.76757812e-01,
        -1.14746094e-02,  1.52343750e-01, -5.95703125e-02,  1.18652344e-01,
        -2.33154297e-02,  9.70458984e-03,  1.19628906e-01,  7.32421875e-03,
         7.56835938e-03,  1.78710938e-01,  1.17187500e-01, -1.62109375e-01,
         5.78613281e-02, -1.40625000e-01,  8.69140625e-02,  2.41210938e-01,
        -4.08203125e-01,  7.76367188e-02, -1.07421875e-01,  1.63085938e-01,
        -8.20312500e-02, -1.11328125e-01, -2.91015625e-01,  1.04980469e-01,
        -1.27929688e-01, -9.94873047e-03,  1.67968750e-01, -1.69677734e-02,
        -9.17968750e-02, -1.01562500e-01,  8.88671875e-02,  2.00195312e-02,
         1.76757812e-01,  5.73730469e-02, -2.50000000e-01, -8.17871094e-03,
        -6.25000000e-02, -2.26562500e-01, -7.75146484e-03,  3.08593750e-01,
         4.71191406e-02, -1.71875000e-01,  9.96093750e-02,  3.43750000e-01,
        -2.79296875e-01, -1.93359375e-01,  1.24023438e-01,  6.88476562e-02,
        -4.80957031e-02,  1.94091797e-02,  5.00488281e-02,  1.72851562e-01,
        -1.04492188e-01, -2.57812500e-01, -3.88183594e-02,  1.70898438e-02,
         1.21093750e-01,  2.69775391e-02,  6.88476562e-02, -4.85229492e-03,
         1.07421875e-01,  2.24304199e-03, -1.11816406e-01, -3.20312500e-01,
        -7.12890625e-02, -1.81884766e-02,  5.29785156e-02, -9.94873047e-03,
         9.61914062e-02, -1.91406250e-01, -2.23632812e-01, -1.83593750e-01,
        -1.26953125e-01,  7.56835938e-02,  1.06445312e-01,  1.28906250e-01,
        -1.67968750e-01, -1.84326172e-02, -3.33984375e-01, -2.27539062e-01,
         1.04003906e-01, -2.45666504e-03, -1.41601562e-01,  2.81250000e-01,
        -8.69140625e-02,  3.34472656e-02,  5.93261719e-02, -1.45874023e-02,
        -8.34960938e-02,  2.59765625e-01,  3.75000000e-01,  1.06933594e-01,
        -6.20117188e-02,  2.37304688e-01,  1.63085938e-01,  1.50390625e-01,
         1.24511719e-01,  5.54199219e-02,  8.05664062e-02, -1.46484375e-01,
        -2.47070312e-01, -1.30859375e-01, -2.94921875e-01, -6.68945312e-02,
         2.42187500e-01, -2.10937500e-01,  1.28906250e-01, -9.08203125e-02,
        -2.61718750e-01,  2.04101562e-01, -9.91210938e-02,  3.55468750e-01,
         1.18652344e-01, -3.41796875e-01,  6.00585938e-02, -8.59375000e-02,
        -5.88378906e-02, -9.70458984e-03,  2.81250000e-01,  4.82177734e-03,
         8.42285156e-03,  1.46484375e-01, -5.27954102e-03,  6.78710938e-02,
         5.29785156e-02,  2.75878906e-02, -2.30468750e-01, -9.57031250e-02,
         8.25195312e-02, -3.58886719e-02,  3.57421875e-01, -1.82617188e-01,
        -3.35937500e-01, -2.79296875e-01, -3.37890625e-01,  9.32617188e-02,
         3.24707031e-02, -4.76074219e-02,  3.41796875e-01,  2.33154297e-02,
        -2.08007812e-01, -1.04980469e-01, -1.73828125e-01, -5.02929688e-02,
         2.48046875e-01, -2.04101562e-01,  1.31835938e-02, -3.56445312e-02,
        -2.24609375e-01, -4.51171875e-01, -1.51367188e-01, -4.46777344e-02,
        -3.66210938e-02,  8.15429688e-02, -1.13281250e-01, -1.20117188e-01,
        -7.17773438e-02, -1.87500000e-01, -1.35742188e-01, -1.40625000e-01,
         1.17187500e-01, -9.52148438e-02, -4.32128906e-02,  1.63574219e-0
2],
       dtype=float32),
 'part': array([ 7.11059570e-03,  5.63964844e-02,  1.06811523e-02,  8.25195
312e-02,
        -1.80664062e-01,  1.22070312e-01,  1.30859375e-01, -5.83496094e-02,
         5.05371094e-02,  1.57226562e-01,  6.98242188e-02, -3.12500000e-02,
         6.98242188e-02,  1.31225586e-02,  3.88183594e-02, -2.13623047e-02,
        -1.17187500e-02, -1.94335938e-01,  7.95898438e-02, -2.20947266e-02,
        -6.59179688e-02,  8.20312500e-02,  3.27148438e-02,  1.25000000e-01,
         1.19140625e-01, -8.34960938e-02, -1.28906250e-01, -9.58251953e-03,
         5.27954102e-03,  7.22656250e-02,  2.64892578e-02,  1.23535156e-01,
         6.78710938e-02,  1.75781250e-01,  1.78710938e-01,  4.66308594e-02,
         5.18798828e-03, -6.39648438e-02,  1.46484375e-01,  6.98242188e-02,
         3.00292969e-02,  5.63964844e-02, -3.85742188e-02, -2.79541016e-02,
        -8.91113281e-03, -1.10839844e-01, -2.50000000e-01,  4.71191406e-02,
         9.08203125e-02, -1.62353516e-02,  2.03857422e-02, -5.56640625e-02,
```

```
         9.76562500e-02, -6.05468750e-02,  8.05664062e-02,  1.04003906e-01,
        -1.34765625e-01, -4.00390625e-02,  1.51977539e-02, -9.47265625e-02,
        -4.98046875e-02, -3.14941406e-02, -3.29589844e-02,  1.67236328e-02,
         8.59375000e-02,  5.34667969e-02, -2.46582031e-02,  1.20117188e-01,
        -1.65039062e-01,  3.32031250e-02, -6.07910156e-02, -5.46875000e-02,
         1.39648438e-01,  6.98242188e-02,  7.86132812e-02,  2.68554688e-02,
         2.83203125e-01,  6.86645508e-03, -8.20312500e-02, -6.65283203e-03,
        -1.13677979e-03, -8.30078125e-02,  1.63085938e-01, -1.25122070e-02,
        -1.53320312e-01, -9.71679688e-02, -1.73828125e-01,  6.39648438e-02,
         1.13281250e-01, -9.08203125e-02,  1.76757812e-01, -1.22558594e-01,
        -1.12304688e-01, -2.22656250e-01,  7.50732422e-03, -5.15136719e-02,
        -9.03320312e-02,  2.40478516e-02, -1.67968750e-01, -2.42919922e-02,
         3.46679688e-02, -4.58984375e-02,  4.56542969e-02,  9.42382812e-02,
        -1.14257812e-01, -1.56250000e-01, -7.42187500e-02, -8.98437500e-02,
        -5.46875000e-02, -3.88183594e-02, -8.44726562e-02,  2.16674805e-03,
        -3.39355469e-02,  2.03857422e-02,  1.71875000e-01,  1.08886719e-01,
         8.54492188e-02,  6.22558594e-02,  2.32421875e-01,  4.98046875e-02,
        -3.68652344e-02, -1.77734375e-01, -1.92382812e-01,  1.62109375e-01,
        -2.13623047e-02, -4.05273438e-02, -2.06298828e-02, -4.61425781e-02,
         1.56250000e-01,  9.66796875e-02, -5.76171875e-02, -1.19628906e-01,
        -1.46484375e-01,  4.22363281e-02, -5.44433594e-02,  6.88476562e-02,
        -8.98437500e-02,  2.30712891e-02,  1.13769531e-01,  1.28784180e-02,
         8.54492188e-02, -3.19824219e-02,  2.26562500e-01, -1.55273438e-01,
        -1.48437500e-01,  6.44531250e-02, -1.00097656e-01,  8.39843750e-02,
        -9.57031250e-02, -1.46865845e-04,  1.42578125e-01,  7.51953125e-02,
        -8.44726562e-02,  1.37695312e-01,  7.61718750e-02, -1.11694336e-02,
         1.33789062e-01, -1.75781250e-01,  4.44335938e-02,  1.17675781e-01,
         1.89453125e-01, -1.17797852e-02, -3.58886719e-02,  3.46679688e-02,
        -5.18798828e-04,  3.17382812e-02,  7.95898438e-02, -1.41601562e-01,
        -5.83496094e-02,  5.12695312e-02,  3.07617188e-02,  7.08007812e-02,
         1.25976562e-01, -8.64257812e-02,  1.19628906e-01,  8.54492188e-02,
        -3.93066406e-02, -7.51953125e-02,  3.19824219e-02,  2.10937500e-01,
        -6.68945312e-02, -4.22363281e-02, -1.38671875e-01, -9.42382812e-02,
        -6.59179688e-02,  1.93359375e-01,  5.58471680e-03,  1.45507812e-01,
         7.81250000e-02, -1.95312500e-02,  3.54003906e-02,  5.39550781e-02,
         7.71484375e-02, -5.39550781e-02, -2.08984375e-01, -1.27929688e-01,
         1.81884766e-02,  1.79687500e-01, -6.34765625e-03, -9.32617188e-02,
         1.75781250e-01,  2.27050781e-02, -1.20117188e-01, -3.24707031e-02,
        -7.71484375e-02, -2.46582031e-02, -2.39257812e-02, -9.88769531e-03,
         1.16699219e-01, -1.89208984e-02,  4.63867188e-02,  2.07031250e-01,
        -8.54492188e-02,  1.68945312e-01, -5.56640625e-02, -4.41894531e-02,
         1.90429688e-01, -2.94189453e-02, -8.10546875e-02, -1.41601562e-02,
         1.04980469e-01, -3.85742188e-02, -1.33789062e-01,  2.91748047e-02,
        -1.70898438e-02, -7.95898438e-02,  1.80664062e-01, -5.88378906e-02,
         6.64062500e-02, -1.55273438e-01,  1.14257812e-01,  2.47802734e-02,
         1.11694336e-02,  4.32128906e-02, -2.56347656e-03, -1.25000000e-01,
         4.41894531e-02, -5.05371094e-02,  6.03027344e-02, -7.17773438e-02,
        -1.07910156e-01, -2.47802734e-02, -1.96533203e-02, -4.49218750e-02,
         1.16210938e-01, -1.35742188e-01, -8.00781250e-02,  1.47460938e-01,
         2.77099609e-02, -4.51660156e-02, -1.27929688e-01,  1.50146484e-02,
        -2.39257812e-02,  1.58691406e-02, -8.44726562e-02,  1.17675781e-01,
         1.16699219e-01, -3.39355469e-02, -1.49414062e-01, -8.59375000e-02,
        -7.23266602e-03,  2.53906250e-02,  9.08203125e-02, -4.76074219e-02,
         5.17578125e-02,  8.10546875e-02,  1.26953125e-02, -3.68118286e-04,
        -8.59375000e-02, -4.78515625e-02, -1.47460938e-01, -7.36236572e-04,
         1.25976562e-01,  4.49218750e-02,  1.70898438e-01, -3.08593750e-01,
        -4.60815430e-03, -6.49414062e-02, -2.57812500e-01, -4.29687500e-02,
         7.12890625e-02, -5.68847656e-02, -8.10546875e-02,  3.44238281e-02,
        -9.08203125e-02, -1.15234375e-01, -3.27148438e-02,  7.29370117e-03,
        -1.69677734e-02, -2.05078125e-01, -2.81250000e-01,  2.02636719e-02,
        -8.15429688e-02, -6.29882812e-02, -1.44531250e-01, -8.49609375e-02,
        -7.61718750e-02,  2.77343750e-01,  2.06054688e-01, -1.69921875e-0
1],
       dtype=float32),
```

```
 'making': array([-6.10351562e-02,  9.37500000e-02,  7.56835938e-02,  2.270
50781e-02,
         8.00781250e-02, -1.00097656e-01, -5.59082031e-02, -3.14941406e-02,
         2.44140625e-01,  2.49023438e-02,  2.74658203e-02, -1.74804688e-01,
        -1.18652344e-01,  2.16796875e-01,  3.22265625e-02, -2.06054688e-01,
         6.20117188e-02,  6.78710938e-02,  2.47802734e-02,  2.33154297e-02,
        -7.51953125e-02, -9.82666016e-03,  4.12597656e-02,  4.07714844e-02,
         4.63867188e-02, -2.11914062e-01, -1.88476562e-01,  7.71484375e-02,
        -1.50390625e-01,  1.13769531e-01,  1.19140625e-01,  2.86865234e-02,
        -2.42919922e-02,  9.27734375e-02, -2.24609375e-02, -2.73437500e-02,
         1.49536133e-02,  1.39770508e-02,  2.22656250e-01,  1.48315430e-02,
         1.54296875e-01, -1.15234375e-01,  1.23046875e-01, -4.10156250e-02,
         1.63574219e-02, -9.88769531e-03,  6.59179688e-02,  1.23046875e-01,
         6.29882812e-02, -6.44531250e-02,  8.20312500e-02, -1.31835938e-02,
        -1.04370117e-02, -7.76367188e-02, -2.66113281e-02,  3.71093750e-01,
         5.21850586e-03, -1.48437500e-01, -4.76074219e-02,  1.75781250e-02,
        -3.90625000e-02,  2.17773438e-01,  2.30712891e-02, -1.77734375e-01,
        -6.34765625e-02,  1.43554688e-01, -7.22656250e-02,  1.70898438e-01,
        -3.78417969e-02, -5.98144531e-02, -6.78710938e-02,  3.66210938e-02,
        -6.64062500e-02, -2.42919922e-02, -8.49609375e-02, -1.11328125e-01,
         1.23535156e-01,  6.29882812e-02,  5.44433594e-02,  4.80957031e-02,
        -8.15429688e-02, -2.77343750e-01,  4.44335938e-02, -5.17578125e-02,
         1.39648438e-01, -1.72851562e-01,  7.86132812e-02,  6.15234375e-02,
         1.83593750e-01,  7.42187500e-02,  1.29882812e-01, -2.79541016e-02,
         5.37109375e-03, -3.61328125e-02, -1.23535156e-01, -2.16796875e-01,
        -4.93164062e-02, -7.66601562e-02,  1.91406250e-01,  1.88476562e-01,
        -1.42211914e-02, -1.01074219e-01,  1.06933594e-01,  2.97851562e-02,
        -1.35742188e-01,  2.07519531e-03,  9.17968750e-02, -1.21093750e-01,
        -6.39648438e-02, -1.66992188e-01, -1.69921875e-01, -4.54101562e-02,
        -1.02050781e-01,  3.97949219e-02,  9.86328125e-02,  4.18090820e-03,
         2.36328125e-01,  5.20019531e-02, -7.66601562e-02, -5.58471680e-03,
         2.38037109e-02,  2.59765625e-01, -3.14941406e-02,  2.87109375e-01,
        -3.34472656e-02, -9.57031250e-02,  4.05273438e-02, -4.24804688e-02,
        -1.28906250e-01, -2.07519531e-02, -1.14257812e-01, -1.71875000e-01,
        -1.61132812e-01,  2.22656250e-01, -1.04003906e-01, -3.95507812e-02,
        -9.32617188e-02, -8.49609375e-02, -9.91210938e-02, -1.23046875e-01,
         1.14746094e-01, -2.09960938e-01, -1.23046875e-01,  3.71093750e-02,
         1.11083984e-02,  1.83593750e-01,  8.10546875e-02, -2.40234375e-01,
        -2.24609375e-02,  7.22656250e-02, -1.26953125e-01, -1.10351562e-01,
        -2.83203125e-02, -1.19628906e-01, -2.51770020e-03, -6.22558594e-02,
         6.59179688e-02,  3.12500000e-02, -5.43212891e-03, -1.15722656e-01,
        -1.13281250e-01,  2.31933594e-02, -9.46044922e-03, -8.93554688e-02,
        -7.37304688e-02, -1.32812500e-01,  5.61523438e-02,  7.86132812e-02,
         9.32617188e-02, -1.06445312e-01, -1.29882812e-01, -1.04492188e-01,
         2.12097168e-03, -1.34765625e-01, -1.96289062e-01, -5.81054688e-02,
        -9.52148438e-02, -2.20703125e-01, -8.78906250e-02,  1.92382812e-01,
         1.72851562e-01, -2.27539062e-01,  1.26953125e-01,  5.22460938e-02,
        -9.42382812e-02, -8.30078125e-02, -3.16406250e-01, -1.18652344e-01,
         9.84191895e-04, -1.54296875e-01,  1.99218750e-01,  3.14941406e-02,
         8.54492188e-03, -1.68945312e-01, -2.23632812e-01, -9.17968750e-02,
        -9.96093750e-02, -1.43554688e-01, -1.42578125e-01, -1.08398438e-01,
         5.10253906e-02, -1.23535156e-01, -8.44726562e-02,  2.57873535e-03,
         6.49414062e-02, -1.18164062e-01, -1.27929688e-01,  1.91650391e-02,
         5.44433594e-02, -1.41601562e-01,  1.19140625e-01,  1.25000000e-01,
         1.25000000e-01,  2.22656250e-01,  6.31713867e-03,  1.72851562e-01,
         8.10546875e-02,  1.89453125e-01, -1.11328125e-01,  5.02929688e-02,
         1.54296875e-01,  1.02539062e-01, -9.61914062e-02,  1.05957031e-01,
        -4.56542969e-02, -2.63671875e-02, -1.14746094e-01, -1.02050781e-01,
        -2.06298828e-02, -6.05468750e-02,  2.30468750e-01, -1.09863281e-01,
         3.29589844e-02,  4.10156250e-02,  1.30859375e-01, -1.44531250e-01,
         1.22070312e-01, -2.22656250e-01, -1.30859375e-01, -1.53320312e-01,
         2.07519531e-02,  1.35742188e-01, -9.22851562e-02,  6.59179688e-02,
         2.43164062e-01, -8.83789062e-02, -9.71679688e-02,  2.30789185e-04,
        -7.81250000e-02, -1.13281250e-01,  1.25732422e-02,  3.36914062e-02,
```

```
         2.87109375e-01,  1.06933594e-01,  1.37695312e-01,  7.32421875e-02,
         1.90429688e-01,  2.51953125e-01, -2.25585938e-01, -8.64257812e-02,
        -2.30712891e-02, -3.63159180e-03,  1.31835938e-01, -9.08203125e-02,
         9.96093750e-02, -6.25000000e-02,  1.48437500e-01, -2.15820312e-01,
        -6.20117188e-02, -8.15429688e-02,  1.54296875e-01,  1.43554688e-01,
         2.31445312e-01,  9.47265625e-02,  1.00097656e-01, -3.58886719e-02,
        -1.66015625e-01,  5.66406250e-02, -1.45874023e-02, -1.04003906e-01,
         3.36914062e-02, -2.03125000e-01, -5.12695312e-02,  1.89453125e-01,
        -1.01562500e-01,  1.70898438e-01,  5.05371094e-02, -2.55859375e-01,
         2.13867188e-01, -6.88476562e-02, -3.39843750e-01,  4.98046875e-02,
        -1.27929688e-01, -3.34472656e-02, -1.13769531e-01,  1.08642578e-02,
         1.16210938e-01,  7.03125000e-02,  2.13867188e-01, -2.36816406e-0
2],
       dtype=float32),
 'positive': array([ 3.26538086e-03, -7.95898438e-02,  1.02539062e-01, -2.0
5078125e-01,
        -1.44531250e-01, -1.58203125e-01, -1.34887695e-02,  7.56835938e-02,
         1.25976562e-01,  3.06640625e-01, -1.80664062e-01, -7.32421875e-02,
         3.33984375e-01,  3.20312500e-01, -1.07910156e-01,  9.66796875e-02,
         1.01562500e-01,  1.96289062e-01,  3.97949219e-02, -1.75781250e-02,
         3.49121094e-02,  3.67187500e-01, -7.91015625e-02, -4.27246094e-02,
         6.92749023e-03,  1.66015625e-02, -4.15039062e-02,  2.53906250e-02,
         2.73437500e-01,  1.33789062e-01, -1.52343750e-01, -2.91015625e-01,
        -2.08740234e-02, -1.07910156e-01,  6.22558594e-02,  7.51953125e-02,
        -1.61132812e-01,  1.00097656e-01, -1.07910156e-01, -2.17773438e-01,
         5.78613281e-02, -2.44140625e-02,  5.68847656e-02,  2.21679688e-01,
        -1.03515625e-01, -1.65039062e-01,  3.12500000e-02, -7.32421875e-02,
        -3.52478027e-03, -5.83496094e-02,  1.19628906e-01, -9.81445312e-02,
        -1.60156250e-01,  2.09960938e-01,  1.86767578e-02, -1.14746094e-01,
        -2.31933594e-02, -1.37695312e-01,  9.37500000e-02, -1.77734375e-01,
        -2.02148438e-01,  9.61914062e-02, -1.61132812e-01,  8.05664062e-03,
         1.82617188e-01,  1.54296875e-01,  1.57226562e-01,  1.22070312e-01,
        -9.22851562e-02,  1.74804688e-01, -1.56250000e-01, -2.11914062e-01,
        -7.08007812e-02,  1.35742188e-01,  3.06396484e-02,  1.30615234e-02,
         1.99218750e-01,  4.06250000e-01,  9.32617188e-02,  2.09960938e-01,
        -1.34277344e-02, -1.99218750e-01, -7.81250000e-02,  1.93359375e-01,
         1.60156250e-01, -2.47070312e-01, -4.25781250e-01,  8.05664062e-02,
        -2.71484375e-01, -7.91015625e-02, -1.86767578e-02, -2.28271484e-02,
         1.12304688e-01, -2.79296875e-01, -1.89453125e-01,  1.54296875e-01,
         4.68750000e-02,  2.55859375e-01,  9.96093750e-02, -7.32421875e-02,
        -2.22167969e-02, -1.07910156e-01,  2.22656250e-01, -1.14257812e-01,
         1.04980469e-01, -2.81250000e-01, -3.61328125e-02, -2.04101562e-01,
         2.81250000e-01, -3.75000000e-01, -1.71875000e-01,  1.80664062e-01,
        -2.19726562e-01, -1.26953125e-01,  7.27539062e-02, -2.00195312e-01,
         7.66601562e-02,  3.44238281e-02,  2.69531250e-01, -4.93164062e-02,
        -6.64062500e-02, -1.24511719e-01, -3.35937500e-01,  1.69921875e-01,
        -5.37109375e-02, -1.40625000e-01,  2.08007812e-01,  6.22558594e-02,
        -3.26171875e-01,  1.85546875e-01, -1.59179688e-01, -8.78906250e-02,
         9.47265625e-02,  1.83593750e-01,  1.10351562e-01, -1.61132812e-01,
         2.71484375e-01,  1.61132812e-01, -2.79541016e-02,  2.81250000e-01,
        -3.54003906e-02,  1.35742188e-01, -2.26562500e-01, -4.60815430e-03,
        -2.67578125e-01, -6.88476562e-02, -1.76757812e-01, -1.58691406e-02,
         1.03027344e-01, -2.41210938e-01,  7.37304688e-02, -5.66406250e-02,
        -1.84570312e-01,  3.82812500e-01, -2.55859375e-01,  2.36328125e-01,
        -5.07812500e-02, -1.58203125e-01, -1.78222656e-02,  1.84570312e-01,
        -1.86523438e-01,  2.83203125e-01,  3.39843750e-01,  1.04980469e-01,
         2.61718750e-01, -1.04370117e-02, -2.53906250e-02,  1.29882812e-01,
         1.61132812e-01, -7.51953125e-02,  1.71661377e-03, -1.08032227e-02,
         1.80664062e-01, -2.03125000e-01,  2.30468750e-01,  3.47656250e-01,
         2.35351562e-01,  3.02734375e-02,  8.72802734e-03, -1.60156250e-01,
        -1.21093750e-01,  7.95898438e-02,  1.82617188e-01,  1.06933594e-01,
         6.49414062e-02,  4.76074219e-02, -1.14257812e-01,  1.49414062e-01,
        -5.41992188e-02,  6.59179688e-02, -1.95312500e-01,  2.08984375e-01,
        -3.05175781e-02, -2.07031250e-01,  1.13281250e-01, -2.75390625e-01,
```

```
         1.46484375e-01,  1.20117188e-01, -1.59179688e-01, -3.91006470e-04,
         1.46484375e-01,  1.55273438e-01, -8.15429688e-02, -2.51953125e-01,
        -1.62109375e-01, -6.63757324e-04, -1.64062500e-01, -1.25000000e-01,
        -1.75781250e-02, -5.34057617e-03, -1.01562500e-01,  1.12792969e-01,
        -4.14062500e-01,  2.26562500e-01,  6.59179688e-02,  1.32446289e-02,
         1.01074219e-01,  2.16064453e-02,  1.43554688e-01,  3.78417969e-02,
        -3.03955078e-02,  2.02148438e-01, -2.15820312e-01,  5.22460938e-02,
        -1.09375000e-01, -7.03125000e-02, -2.60009766e-02, -7.08007812e-02,
         2.11181641e-02,  1.59179688e-01,  3.71093750e-02,  1.53320312e-01,
         1.91406250e-01, -1.66992188e-01,  1.79443359e-02, -1.28906250e-01,
        -2.26562500e-01, -9.76562500e-03,  1.24023438e-01, -4.02832031e-02,
         2.83203125e-01, -7.17773438e-02,  2.22656250e-01,  6.22558594e-02,
        -2.07519531e-02,  2.42919922e-02, -7.32421875e-02,  4.76074219e-02,
        -1.00097656e-01, -1.27929688e-01,  1.04003906e-01,  2.36328125e-01,
         1.77734375e-01,  5.61523438e-02, -9.17968750e-02, -2.79296875e-01,
         1.56250000e-01,  2.65625000e-01,  1.32812500e-01,  1.40190125e-04,
        -1.30004883e-02, -6.17675781e-02,  1.30859375e-01,  1.57226562e-01,
         1.77734375e-01,  4.02832031e-02, -8.25195312e-02, -7.51953125e-02,
        -8.74023438e-02,  1.25000000e-01,  1.92382812e-01,  1.74804688e-01,
         4.44335938e-02, -5.51757812e-02,  5.46875000e-02,  1.63085938e-01,
         3.66210938e-02,  9.76562500e-02,  2.66113281e-02,  1.22558594e-01,
         1.77001953e-02,  8.49609375e-02, -9.47265625e-02,  3.32031250e-02,
        -4.00390625e-02,  5.09643555e-03,  3.27148438e-02, -6.39648438e-02,
         5.00488281e-02, -5.85937500e-02, -1.86523438e-01,  2.57812500e-01,
         8.44726562e-02, -5.15136719e-02, -7.27539062e-02,  1.69921875e-01,
         9.76562500e-02,  1.16210938e-01,  7.95898438e-02, -1.58203125e-0
1],
       dtype=float32),
 'caregiver': array([ 6.64062500e-02, -4.21875000e-01, -3.37890625e-01,  5.
34667969e-02,
         5.39550781e-02,  1.68945312e-01,  3.43750000e-01,  2.13867188e-01,
         1.26342773e-02, -1.67968750e-01,  1.57226562e-01, -7.27539062e-02,
        -6.19506836e-03,  3.90625000e-02,  9.61914062e-02,  1.81884766e-02,
         3.14453125e-01,  2.87109375e-01, -6.22558594e-02, -1.66015625e-01,
         2.77343750e-01, -3.05175781e-02,  2.77343750e-01,  1.06933594e-01,
         2.53906250e-02, -1.36718750e-01, -3.04687500e-01, -5.68847656e-02,
        -3.49121094e-02, -3.06640625e-01, -6.44531250e-02, -2.73437500e-01,
        -4.51171875e-01, -9.13085938e-02, -2.98828125e-01, -8.20312500e-02,
        -6.44531250e-02,  2.47070312e-01, -6.25000000e-02, -1.56250000e-01,
        -9.81445312e-02, -4.88281250e-02, -5.93261719e-02, -2.25585938e-01,
         4.71191406e-02, -3.55468750e-01,  5.76171875e-02,  1.86523438e-01,
         2.00195312e-02, -1.09863281e-01, -4.04296875e-01, -2.94921875e-01,
        -3.37890625e-01,  2.63671875e-01,  1.64062500e-01, -7.56835938e-02,
        -2.91015625e-01,  4.08203125e-01,  1.14746094e-01,  1.89208984e-02,
        -1.85546875e-01,  4.00390625e-01,  8.25195312e-02, -6.03027344e-02,
         1.94091797e-02, -9.52148438e-02, -1.93359375e-01,  7.38525391e-03,
         1.03027344e-01, -5.63964844e-02,  1.47460938e-01,  1.15234375e-01,
        -2.13867188e-01, -1.97265625e-01,  6.17675781e-02,  1.88476562e-01,
        -6.93359375e-02, -1.44531250e-01,  2.59765625e-01,  2.43164062e-01,
         2.67578125e-01,  3.41796875e-02, -1.19628906e-01,  1.75781250e-01,
        -1.32751465e-03,  3.26171875e-01, -2.61718750e-01,  1.67968750e-01,
         8.74023438e-02,  5.93261719e-02,  1.60156250e-01, -2.45117188e-01,
        -1.61132812e-01, -1.00585938e-01,  2.55859375e-01, -2.75390625e-01,
         4.04296875e-01, -5.93261719e-02, -9.27734375e-02, -1.33789062e-01,
        -1.77734375e-01, -4.37500000e-01,  1.78222656e-02, -5.44433594e-02,
        -1.37695312e-01, -4.41406250e-01,  1.12792969e-01, -9.32617188e-02,
         1.37695312e-01,  3.80859375e-02,  2.82287598e-03, -1.38671875e-01,
        -1.18164062e-01, -2.57812500e-01,  7.32421875e-02,  9.57031250e-02,
        -2.50000000e-01, -5.20019531e-02,  1.10351562e-01, -3.63769531e-02,
        -2.04101562e-01, -5.17578125e-02,  1.04370117e-02, -3.90625000e-02,
        -1.48437500e-01,  8.10546875e-02, -6.59179688e-02,  2.48046875e-01,
         1.58203125e-01,  3.92578125e-01, -9.58251953e-03, -2.96875000e-01,
         2.02941895e-03,  9.22851562e-02, -1.69921875e-01, -3.39843750e-01,
        -2.59765625e-01,  2.36816406e-02,  1.37695312e-01,  9.96093750e-02,
```

```
         8.49609375e-02, -4.63867188e-02, -2.61718750e-01, -8.74023438e-02,
        -2.53295898e-03, -3.06396484e-02, -2.69531250e-01,  4.43359375e-01,
        -3.57421875e-01, -1.94335938e-01,  4.12109375e-01, -1.55273438e-01,
        -1.55273438e-01,  4.76074219e-02, -4.37011719e-02, -1.78222656e-02,
         2.92968750e-02, -1.87500000e-01, -8.98437500e-02,  5.02929688e-02,
        -2.07519531e-02,  2.50000000e-01,  1.15722656e-01,  2.73437500e-01,
        -3.88671875e-01, -1.43554688e-01, -1.33789062e-01,  1.15722656e-01,
         2.81250000e-01, -1.17187500e-01,  1.94335938e-01,  1.19018555e-02,
        -9.86328125e-02, -1.55273438e-01, -3.06640625e-01,  5.54199219e-02,
        -4.27246094e-02,  2.02148438e-01, -1.91406250e-01, -1.88446045e-03,
         4.10156250e-02, -1.81640625e-01,  4.54101562e-02, -1.94335938e-01,
        -1.76757812e-01,  7.51953125e-02, -3.55468750e-01,  4.83398438e-02,
         2.26562500e-01, -1.17675781e-01, -4.46777344e-02, -2.06054688e-01,
         1.55029297e-02, -1.20117188e-01,  2.02148438e-01,  1.98242188e-01,
        -1.09863281e-01, -1.58203125e-01,  4.51660156e-02, -2.10571289e-03,
        -4.35546875e-01,  3.22265625e-02, -7.56835938e-02, -2.65625000e-01,
        -2.38281250e-01, -1.68945312e-01, -7.47070312e-02,  2.45361328e-02,
         4.02343750e-01, -4.16015625e-01,  6.83593750e-02, -2.43164062e-01,
        -3.00781250e-01, -9.37500000e-02,  1.18652344e-01, -2.42187500e-01,
         3.85742188e-02,  1.78710938e-01, -3.20312500e-01, -2.61718750e-01,
         3.18359375e-01, -5.39550781e-02,  2.02148438e-01, -2.85156250e-01,
        -1.42578125e-01, -1.24511719e-01,  2.94921875e-01, -1.33666992e-02,
         3.35937500e-01,  1.51977539e-02, -2.69531250e-01,  1.13248825e-06,
        -2.89062500e-01, -2.07031250e-01, -3.02734375e-01, -2.96875000e-01,
         5.66406250e-02, -6.00585938e-02, -3.26171875e-01, -1.01074219e-01,
        -2.18750000e-01, -2.63671875e-01,  2.12890625e-01, -2.77343750e-01,
        -1.53320312e-01,  2.57812500e-01, -1.65039062e-01, -3.04687500e-01,
        -2.12402344e-02, -6.13281250e-01, -7.47070312e-02,  7.61718750e-02,
         3.00598145e-03, -1.26953125e-02, -2.08740234e-02,  9.76562500e-02,
        -1.27929688e-01, -2.65625000e-01, -8.44726562e-02,  1.89453125e-01,
        -9.32617188e-02, -2.81250000e-01, -8.10546875e-02, -4.19921875e-01,
         1.60156250e-01,  2.00195312e-01, -7.32421875e-02,  6.12792969e-02,
        -6.21093750e-01,  8.15429688e-02, -8.59375000e-02,  9.08203125e-02,
         1.52343750e-01,  2.89062500e-01,  1.51367188e-01, -1.67968750e-01,
        -1.47460938e-01,  9.61914062e-02,  1.72851562e-01, -1.45507812e-01,
         1.28906250e-01, -2.65625000e-01,  1.96289062e-01,  1.44531250e-01,
        -3.75976562e-02, -2.63671875e-01, -9.82666016e-03, -1.73828125e-01,
         4.58984375e-02,  6.01562500e-01,  9.33837891e-03,  1.27929688e-01,
        -1.75781250e-01, -2.33398438e-01, -2.82287598e-03,  2.11914062e-01,
        -2.61718750e-01, -6.68334961e-03,  2.01171875e-01, -8.83789062e-0
2],
       dtype=float32),
 'beautiful': array([-0.01831055,  0.05566406, -0.01153564,  0.07275391,
0.15136719,
        -0.06176758,  0.20605469, -0.15332031, -0.05908203,  0.22851562,
        -0.06445312, -0.22851562, -0.09472656, -0.03344727,  0.24707031,
         0.05541992, -0.00921631,  0.1328125 , -0.15429688,  0.08105469,
        -0.07373047,  0.24316406,  0.12353516, -0.09277344,  0.08203125,
         0.06494141,  0.15722656,  0.11279297, -0.0612793 , -0.296875  ,
        -0.13378906,  0.234375  ,  0.09765625,  0.17773438,  0.06689453,
        -0.27539062,  0.06445312, -0.13867188, -0.08886719,  0.171875  ,
         0.07861328, -0.10058594,  0.23925781,  0.03808594,  0.18652344,
        -0.11279297,  0.22558594,  0.10986328, -0.11865234,  0.02026367,
         0.11376953,  0.09570312,  0.29492188,  0.08251953, -0.05444336,
        -0.0090332 , -0.0625    , -0.17578125, -0.08154297,  0.01062012,
        -0.04736328, -0.08544922, -0.19042969, -0.30273438,  0.07617188,
         0.125     , -0.05932617,  0.03833008, -0.03564453,  0.2421875 ,
         0.36132812,  0.04760742,  0.00631714, -0.03088379, -0.13964844,
         0.22558594, -0.06298828, -0.02636719,  0.1171875 ,  0.33398438,
        -0.07666016, -0.06689453,  0.04150391, -0.15136719, -0.22460938,
         0.03320312, -0.15332031,  0.07128906,  0.16992188,  0.11572266,
        -0.13085938,  0.12451172, -0.20410156,  0.04736328, -0.296875  ,
        -0.17480469,  0.00872803, -0.04638672,  0.10791016, -0.203125  ,
        -0.27539062,  0.2734375 ,  0.02563477, -0.11035156,  0.0625    ,
```

```
         0.1953125 ,  0.16015625, -0.13769531, -0.09863281, -0.1953125 ,
        -0.22851562,  0.25390625,  0.00915527, -0.03857422,  0.3984375 ,
        -0.1796875 ,  0.03833008, -0.24804688,  0.03515625,  0.03881836,
         0.03442383, -0.04101562,  0.20214844, -0.03015137, -0.09619141,
         0.11669922, -0.06738281,  0.0625    ,  0.10742188,  0.25585938,
        -0.21777344,  0.05639648, -0.0065918 ,  0.16113281,  0.11865234,
        -0.03088379, -0.11572266,  0.02685547,  0.03100586,  0.09863281,
         0.05883789,  0.00634766,  0.11914062,  0.07324219, -0.01586914,
         0.18457031,  0.05322266,  0.19824219, -0.22363281, -0.25195312,
         0.15039062,  0.22753906,  0.05737305,  0.16992188, -0.22558594,
         0.06494141,  0.11914062, -0.06640625, -0.10449219, -0.07226562,
        -0.16992188,  0.0625    ,  0.14648438,  0.27148438, -0.02172852,
        -0.12695312,  0.18457031, -0.27539062, -0.36523438, -0.03491211,
        -0.18554688,  0.23828125, -0.13867188,  0.00296021,  0.04272461,
         0.13867188,  0.12207031,  0.05957031, -0.22167969, -0.18945312,
        -0.23242188, -0.28710938, -0.00866699, -0.16113281, -0.24316406,
         0.05712891, -0.06982422,  0.00053406, -0.10302734, -0.13378906,
        -0.16113281,  0.11621094,  0.31640625, -0.02697754, -0.01574707,
         0.11425781, -0.04174805,  0.05908203,  0.02661133, -0.08642578,
         0.140625  ,  0.09228516, -0.25195312, -0.31445312, -0.05688477,
         0.01031494,  0.0234375 , -0.02331543, -0.08056641,  0.01269531,
        -0.34179688,  0.17285156, -0.16015625,  0.07763672, -0.03088379,
         0.11962891,  0.11767578,  0.20117188, -0.01940918,  0.02172852,
         0.23046875,  0.28125   , -0.17675781,  0.02978516,  0.08740234,
        -0.06176758,  0.00939941, -0.09277344, -0.203125  ,  0.13085938,
        -0.13671875, -0.00500488, -0.04296875,  0.12988281,  0.3515625 ,
         0.0402832 , -0.12988281, -0.03173828,  0.28515625,  0.18261719,
         0.13867188, -0.16503906, -0.26171875, -0.04345703,  0.0100708 ,
         0.08740234,  0.00421143, -0.1328125 , -0.17578125, -0.04321289,
        -0.015625  ,  0.16894531,  0.25      ,  0.37109375,  0.19921875,
        -0.36132812, -0.10302734, -0.20800781, -0.20117188, -0.01519775,
        -0.12207031, -0.12011719, -0.07421875, -0.04345703,  0.14160156,
         0.15527344, -0.03027344, -0.09326172, -0.04589844,  0.16796875,
        -0.03027344,  0.09179688, -0.10058594,  0.20703125,  0.11376953,
        -0.12402344,  0.04003906,  0.06933594, -0.34570312,  0.03881836,
         0.16210938,  0.05761719, -0.12792969, -0.05810547,  0.03857422,
        -0.11328125, -0.1953125 , -0.28125   , -0.13183594,  0.15722656,
        -0.09765625,  0.09619141, -0.09960938, -0.00285339, -0.03637695,
         0.15429688,  0.06152344, -0.34570312,  0.11083984,  0.03344727],
       dtype=float32),
 'black': array([ 0.10498047,  0.01843262,  0.00897217, -0.01281738, -0.028
80859,
        -0.05932617, -0.08984375, -0.06835938,  0.17285156,  0.01904297,
        -0.03955078,  0.16015625,  0.05395508, -0.00436401, -0.08056641,
         0.0859375 , -0.18164062,  0.24707031, -0.24023438, -0.26171875,
        -0.12255859, -0.14355469, -0.078125  , -0.36132812, -0.15136719,
         0.09912109, -0.39257812,  0.09667969,  0.21777344,  0.10351562,
         0.08154297,  0.05517578,  0.02575684, -0.08837891, -0.02368164,
         0.13183594,  0.06445312,  0.00302124, -0.1484375 ,  0.14746094,
         0.14648438, -0.03125   ,  0.00753784, -0.01452637,  0.11425781,
         0.09570312, -0.11865234, -0.25390625, -0.06103516,  0.14453125,
        -0.03662109,  0.01324463,  0.05395508, -0.12792969,  0.13769531,
        -0.00354004, -0.01470947, -0.02368164,  0.00095749, -0.19628906,
         0.05249023,  0.09960938, -0.13769531, -0.06445312, -0.00224304,
         0.07324219, -0.24414062,  0.07763672,  0.08398438,  0.11425781,
         0.05688477,  0.09521484, -0.09814453,  0.05541992, -0.08203125,
         0.27539062,  0.12158203,  0.21875   , -0.07519531,  0.2265625 ,
         0.12304688, -0.171875  , -0.06640625, -0.02111816, -0.08935547,
        -0.10595703, -0.2734375 , -0.0378418 ,  0.04736328,  0.06494141,
        -0.234375  ,  0.10986328, -0.13769531,  0.10351562,  0.13867188,
         0.01251221,  0.01275635,  0.07714844, -0.00680542,  0.04101562,
        -0.08837891, -0.12060547, -0.10205078, -0.29296875, -0.18945312,
         0.02819824,  0.34179688, -0.01757812, -0.04272461, -0.22558594,
        -0.05175781,  0.01586914, -0.02941895,  0.29882812,  0.06396484,
```

```
        -0.11523438, -0.10009766, -0.15332031, -0.01574707,  0.29101562,
        -0.10009766,  0.15527344, -0.08300781, -0.15527344,  0.12597656,
         0.08447266,  0.09619141,  0.08935547,  0.38867188,  0.06591797,
         0.22460938,  0.01318359, -0.18945312,  0.17578125,  0.1484375 ,
         0.05615234, -0.09960938,  0.01916504,  0.27539062, -0.03540039,
         0.00799561, -0.17285156,  0.04956055,  0.01611328, -0.08349609,
         0.01074219,  0.06396484, -0.05737305,  0.09179688, -0.18261719,
         0.02307129, -0.07861328, -0.13574219,  0.07275391, -0.00099945,
        -0.01324463, -0.37890625, -0.00154877,  0.17871094, -0.05541992,
        -0.23046875, -0.08496094,  0.12890625,  0.11962891,  0.05419922,
        -0.0300293 ,  0.22460938, -0.01300049,  0.0071106 ,  0.11328125,
        -0.21777344,  0.12158203, -0.05126953,  0.17382812,  0.07861328,
        -0.08251953,  0.11669922, -0.3125    , -0.02893066,  0.02441406,
        -0.05322266, -0.02526855, -0.28320312,  0.11474609, -0.09375   ,
        -0.08886719,  0.06225586,  0.06445312,  0.09375   ,  0.25585938,
         0.09472656,  0.0456543 , -0.14550781, -0.15820312, -0.12402344,
         0.15429688, -0.00509644, -0.12890625,  0.09960938,  0.19921875,
         0.04125977, -0.06347656,  0.01477051, -0.22265625,  0.06640625,
        -0.02709961,  0.25976562, -0.22265625, -0.11425781, -0.23144531,
        -0.06445312,  0.18554688, -0.0703125 ,  0.08105469,  0.00897217,
         0.09277344,  0.13574219, -0.19335938, -0.16503906, -0.05200195,
        -0.40625   ,  0.20898438, -0.08349609,  0.15820312, -0.04199219,
        -0.02148438,  0.22070312,  0.1328125 ,  0.0201416 , -0.28515625,
         0.17871094, -0.11035156,  0.07128906,  0.18945312, -0.00854492,
        -0.02404785,  0.01269531, -0.13671875,  0.13574219, -0.06201172,
         0.35546875, -0.20898438, -0.05151367, -0.16894531, -0.20996094,
        -0.16894531,  0.22460938, -0.0279541 ,  0.19140625,  0.06005859,
         0.09472656,  0.12255859,  0.20214844,  0.09863281,  0.17578125,
        -0.21875   , -0.14648438, -0.13574219, -0.12353516,  0.10986328,
        -0.04321289,  0.04321289, -0.04003906,  0.16015625,  0.07421875,
         0.05371094, -0.03686523,  0.07470703, -0.10351562, -0.04052734,
         0.03955078,  0.04248047, -0.19433594,  0.22070312,  0.1796875 ,
        -0.11914062, -0.10351562, -0.27539062, -0.10644531,  0.10839844,
         0.14160156, -0.08154297,  0.12255859, -0.08154297, -0.23828125,
        -0.05517578, -0.15332031,  0.00646973, -0.078125  , -0.44335938,
        -0.01464844, -0.02429199, -0.28125   ,  0.08349609, -0.08642578,
        -0.0043335 ,  0.17578125,  0.09228516,  0.06103516, -0.1328125 ],
       dtype=float32),
 'hills': array([ 0.08691406,  0.24414062,  0.05834961,  0.02990723,  0.237
30469,
        -0.04223633, -0.1015625 , -0.04541016, -0.10498047,  0.29492188,
         0.05322266, -0.08007812, -0.1875    ,  0.1640625 , -0.27148438,
         0.01501465, -0.15722656,  0.20800781, -0.10253906,  0.02978516,
        -0.15332031,  0.24804688, -0.16699219, -0.16601562,  0.08154297,
        -0.38476562, -0.23925781, -0.0534668 , -0.13769531, -0.4765625 ,
         0.23144531,  0.07910156,  0.18945312,  0.06396484, -0.46484375,
        -0.27539062,  0.03759766, -0.25      , -0.05688477, -0.01867676,
        -0.11132812, -0.02966309,  0.16894531, -0.20800781,  0.03662109,
         0.03442383, -0.1796875 , -0.01153564,  0.09130859,  0.11816406,
         0.14160156,  0.07128906,  0.1328125 ,  0.17773438, -0.109375  ,
        -0.02099609,  0.13378906, -0.08740234, -0.16210938, -0.10302734,
        -0.14453125, -0.2578125 ,  0.19042969, -0.06689453,  0.18847656,
         0.09619141,  0.02746582, -0.01879883, -0.07910156,  0.10693359,
        -0.13574219, -0.14160156, -0.1875    , -0.17871094,  0.10205078,
        -0.10595703,  0.12158203, -0.27734375, -0.05029297, -0.16210938,
         0.27148438,  0.09619141, -0.13183594, -0.06079102, -0.13085938,
         0.0480957 , -0.07324219, -0.10009766,  0.33203125,  0.01672363,
        -0.15429688,  0.19628906, -0.25585938, -0.10449219, -0.09570312,
         0.01599121,  0.08056641, -0.40429688,  0.32421875, -0.33007812,
        -0.27539062, -0.0859375 ,  0.05981445,  0.24511719,  0.27734375,
         0.06079102, -0.02575684,  0.00604248,  0.24511719, -0.19628906,
        -0.21972656, -0.14355469,  0.17382812, -0.12597656,  0.2421875 ,
        -0.01379395,  0.20800781, -0.12597656, -0.24121094,  0.06396484,
        -0.16503906,  0.28515625, -0.20507812,  0.02612305,  0.07324219,
```

```
         0.22070312, -0.265625  , -0.265625  ,  0.19726562,  0.11865234,
        -0.21386719, -0.29296875,  0.12695312,  0.05444336, -0.07373047,
         0.00805664,  0.28515625, -0.11230469,  0.11035156,  0.36328125,
         0.09179688, -0.07519531,  0.12353516, -0.10400391,  0.30078125,
         0.05957031, -0.02624512, -0.04736328, -0.16113281, -0.26367188,
         0.08154297,  0.25585938,  0.1328125 ,  0.03930664, -0.39257812,
         0.03393555,  0.2578125 , -0.04907227, -0.140625  ,  0.09033203,
         0.01745605, -0.08251953,  0.10888672, -0.12255859,  0.07080078,
        -0.08056641,  0.22949219, -0.17285156, -0.25390625,  0.01818848,
        -0.17578125,  0.3203125 , -0.04443359,  0.16796875,  0.10253906,
        -0.16015625, -0.09765625,  0.01397705, -0.00366211,  0.10644531,
        -0.5703125 , -0.25390625, -0.02355957, -0.01818848,  0.09667969,
         0.10839844,  0.1484375 ,  0.11376953,  0.05273438,  0.06738281,
         0.18457031,  0.06787109, -0.18359375,  0.06591797,  0.09814453,
         0.3984375 , -0.18554688,  0.07714844,  0.26953125,  0.20117188,
         0.328125  , -0.12255859,  0.03393555, -0.20507812,  0.3046875 ,
         0.078125  ,  0.00270081, -0.07568359, -0.01300049, -0.02258301,
        -0.125     ,  0.10791016, -0.14453125,  0.17773438, -0.09375   ,
        -0.09570312, -0.24609375,  0.03173828, -0.11816406, -0.02453613,
         0.171875  ,  0.08056641, -0.05224609, -0.01647949, -0.11816406,
        -0.03271484,  0.16796875,  0.06396484,  0.03393555,  0.32421875,
        -0.06152344, -0.12109375,  0.18652344,  0.37695312, -0.0324707 ,
         0.48828125, -0.02966309,  0.01489258,  0.23144531, -0.16015625,
        -0.05615234, -0.3515625 , -0.03271484,  0.20800781,  0.04882812,
        -0.265625  , -0.02319336, -0.00946045, -0.13476562,  0.12792969,
         0.10986328, -0.04272461,  0.0480957 ,  0.53515625, -0.01397705,
        -0.16894531, -0.03466797, -0.16992188, -0.16894531, -0.01696777,
        -0.13574219, -0.125     ,  0.08740234,  0.35546875,  0.13574219,
         0.2578125 ,  0.04150391, -0.11621094, -0.13671875, -0.04296875,
         0.00192261, -0.12451172,  0.05541992,  0.00193024, -0.00074005,
         0.171875  ,  0.18457031, -0.18066406, -0.11328125, -0.04931641,
         0.10986328, -0.24023438,  0.08935547, -0.12402344,  0.140625  ,
        -0.12695312, -0.20605469, -0.06445312, -0.01086426,  0.26953125,
        -0.14550781, -0.01544189, -0.44726562,  0.17285156,  0.1484375 ,
        -0.2265625 , -0.24121094, -0.1953125 ,  0.25585938,  0.10302734],
       dtype=float32),
 'south': array([-0.02478027, -0.10986328,  0.06591797, -0.09130859,  0.175
78125,
         0.08007812, -0.18261719, -0.34765625, -0.16113281,  0.30859375,
         0.13769531,  0.11181641,  0.12207031,  0.07128906,  0.00436401,
        -0.20898438, -0.18945312,  0.08056641,  0.03393555, -0.07910156,
         0.00927734,  0.00424194, -0.15234375, -0.02612305,  0.26757812,
        -0.19921875, -0.07324219,  0.05761719,  0.20800781, -0.03686523,
         0.14160156,  0.14355469, -0.05078125, -0.21191406, -0.14453125,
         0.10009766,  0.12304688,  0.05493164,  0.10498047,  0.19140625,
        -0.21679688, -0.04931641,  0.01483154, -0.04418945, -0.27539062,
        -0.00762939,  0.06787109,  0.10205078, -0.06982422, -0.07324219,
         0.28320312,  0.02233887,  0.08837891, -0.18066406, -0.1875    ,
        -0.05786133, -0.19726562,  0.03173828,  0.00457764,  0.03881836,
        -0.06933594, -0.12792969,  0.1015625 , -0.21972656,  0.03686523,
        -0.09619141, -0.1328125 ,  0.07666016, -0.12451172,  0.08789062,
         0.20703125,  0.0378418 , -0.0279541 ,  0.11816406, -0.02893066,
        -0.09765625, -0.20898438, -0.10546875, -0.02441406,  0.20117188,
         0.13867188,  0.05834961,  0.08691406, -0.13574219, -0.18261719,
         0.04736328, -0.30273438,  0.03833008,  0.12207031,  0.13183594,
        -0.30664062, -0.10644531, -0.28125   ,  0.02636719, -0.1875    ,
         0.17285156, -0.00891113,  0.03173828,  0.109375  , -0.06689453,
         0.04858398,  0.05932617,  0.08398438,  0.10107422,  0.13671875,
        -0.125     , -0.07226562, -0.04370117,  0.10742188, -0.18847656,
        -0.13183594, -0.17773438,  0.10644531, -0.19433594, -0.09521484,
        -0.07910156,  0.15136719,  0.13183594,  0.05371094,  0.00793457,
         0.10449219,  0.12402344, -0.08984375, -0.01928711, -0.10742188,
        -0.05810547, -0.3125    ,  0.00619507,  0.06591797,  0.00970459,
        -0.01696777, -0.23144531,  0.16015625,  0.10009766, -0.00793457,
```

```
        -0.04956055, -0.04956055, -0.22949219, -0.08935547,  0.39453125,
        -0.1875    , -0.13183594,  0.15136719, -0.03222656,  0.0559082 ,
         0.03613281,  0.06738281, -0.00674438, -0.17480469, -0.20703125,
         0.12402344,  0.13476562,  0.18945312,  0.02929688, -0.05175781,
        -0.10498047, -0.01818848,  0.06542969,  0.14648438,  0.14453125,
         0.00234985,  0.09277344,  0.03173828, -0.18554688,  0.09765625,
         0.05932617,  0.25585938, -0.0098877 ,  0.09228516, -0.02478027,
        -0.15234375,  0.11083984,  0.04785156, -0.10839844,  0.08837891,
        -0.21777344,  0.08203125,  0.06738281, -0.16894531, -0.06640625,
        -0.28710938, -0.00314331, -0.22851562,  0.03125   , -0.2578125 ,
        -0.06396484,  0.203125  ,  0.15039062,  0.18554688,  0.13378906,
         0.13867188,  0.1953125 , -0.09179688, -0.00540161, -0.18066406,
         0.16308594, -0.03735352,  0.19433594,  0.20800781,  0.04272461,
         0.16894531, -0.08935547,  0.07666016, -0.10253906,  0.13769531,
         0.01318359,  0.17871094, -0.00469971,  0.18164062,  0.01940918,
         0.03295898, -0.1171875 , -0.04199219,  0.15625   ,  0.07080078,
         0.01226807, -0.00188446,  0.05249023, -0.03930664,  0.33789062,
        -0.06225586,  0.09619141,  0.04736328, -0.06494141, -0.10058594,
        -0.07275391,  0.14355469,  0.11132812, -0.04003906, -0.04736328,
         0.08642578, -0.21191406,  0.03295898, -0.01501465, -0.03759766,
         0.03857422, -0.03881836, -0.14550781,  0.32617188, -0.08935547,
         0.07373047,  0.09619141,  0.1953125 , -0.20019531, -0.16894531,
         0.03369141,  0.04443359,  0.17285156,  0.14941406,  0.10791016,
         0.01574707, -0.05981445,  0.16699219,  0.13769531,  0.14648438,
        -0.25585938, -0.01135254,  0.16601562, -0.07666016,  0.03759766,
        -0.09179688, -0.10205078,  0.11035156,  0.17675781,  0.27734375,
         0.03466797, -0.22070312, -0.12353516, -0.19921875, -0.03955078,
         0.00534058, -0.23535156, -0.02124023, -0.25390625,  0.13769531,
        -0.25      , -0.14746094, -0.06787109, -0.12304688, -0.06054688,
        -0.046875  , -0.13378906, -0.03271484,  0.14746094,  0.07958984,
         0.09912109, -0.28710938,  0.09375   , -0.04125977,  0.16308594,
        -0.09521484,  0.08837891, -0.10986328,  0.10986328, -0.02539062,
        -0.03808594, -0.11572266,  0.0402832 ,  0.48632812, -0.26757812],
       dtype=float32),
 'dakota': array([ 1.73828125e-01,  3.88183594e-02,  3.19824219e-02,  3.964
84375e-01,
        -1.04492188e-01,  2.43164062e-01, -2.43164062e-01,  1.98974609e-02,
        -1.52343750e-01, -3.01513672e-02,  9.52148438e-02, -4.12597656e-02,
        -1.15234375e-01, -2.67578125e-01,  2.21679688e-01, -6.54296875e-02,
        -1.41601562e-01,  3.28125000e-01, -1.16699219e-01, -2.83203125e-01,
        -1.66992188e-01,  8.10546875e-02, -4.41894531e-02,  1.46484375e-03,
        -2.17773438e-01,  6.49414062e-02, -2.69531250e-01,  4.02832031e-02,
         1.25000000e-01, -3.27148438e-02,  1.48437500e-01,  2.63671875e-01,
        -1.61132812e-01, -1.14135742e-02, -1.75781250e-01, -8.54492188e-02,
        -6.29882812e-02,  6.98242188e-02,  6.78710938e-02,  2.36328125e-01,
         2.46093750e-01, -9.91210938e-02,  1.41601562e-01,  2.19726562e-01,
         1.06811523e-02, -1.23535156e-01,  4.56542969e-02, -1.93359375e-01,
        -7.61718750e-02,  1.39648438e-01, -1.79687500e-01, -9.71679688e-02,
         1.64062500e-01, -1.22680664e-02, -9.57031250e-02,  8.49609375e-02,
         2.38037109e-02, -8.97216797e-03,  5.37109375e-02, -1.82617188e-01,
        -2.85644531e-02, -1.13769531e-01, -2.12890625e-01, -5.20019531e-02,
        -8.85009766e-03, -9.22851562e-02, -9.52148438e-02,  3.02734375e-02,
        -6.34765625e-02, -5.07812500e-02,  2.17773438e-01,  2.44140625e-01,
        -8.05664062e-02, -8.30078125e-02, -1.17187500e-02,  9.15527344e-03,
         2.52685547e-02, -1.68945312e-01, -2.63671875e-02,  1.91406250e-01,
        -1.02539062e-01, -6.44531250e-02, -1.02050781e-01, -1.55273438e-01,
         4.80957031e-02,  1.83593750e-01, -1.25000000e-01, -4.49218750e-02,
        -2.41699219e-02, -8.10546875e-02, -1.78710938e-01, -1.09375000e-01,
         2.72216797e-02, -6.93359375e-02, -1.47460938e-01,  2.32421875e-01,
         2.69531250e-01, -1.06933594e-01,  1.92382812e-01,  1.71875000e-01,
         1.17187500e-01, -2.77343750e-01,  4.85839844e-02, -1.76757812e-01,
         2.91748047e-02,  1.71875000e-01, -1.55273438e-01,  3.22265625e-02,
         2.20947266e-02,  1.09375000e-01, -1.74804688e-01, -1.29882812e-01,
         8.25195312e-02,  1.00585938e-01, -7.38525391e-03, -3.56445312e-02,
```

```
         7.17773438e-02, -1.30859375e-01,  3.90625000e-02, -1.35742188e-01,
         7.32421875e-02,  8.05664062e-02, -8.25195312e-02, -3.37219238e-03,
         2.42187500e-01, -3.34472656e-02, -8.64257812e-02,  1.56250000e-01,
         9.03320312e-02,  8.23974609e-04, -2.25830078e-02,  1.36718750e-02,
        -1.63574219e-02,  1.41601562e-01, -8.00781250e-02,  5.59082031e-02,
        -2.32421875e-01, -1.30859375e-01,  1.08398438e-01,  1.57226562e-01,
         1.13281250e-01, -1.33789062e-01,  1.11816406e-01, -3.10897827e-04,
         7.61718750e-02,  2.08740234e-02, -2.16064453e-02,  1.00585938e-01,
        -2.79541016e-02, -7.62939453e-03,  1.70898438e-02, -9.81445312e-02,
        -1.63085938e-01, -1.85546875e-01, -3.37890625e-01, -1.96289062e-01,
         5.32226562e-02,  1.25000000e-01,  1.28906250e-01,  8.78906250e-02,
        -6.88476562e-02, -9.22851562e-02, -2.17285156e-02, -3.68652344e-02,
         1.38671875e-01, -6.54296875e-02,  1.54296875e-01, -4.54101562e-02,
        -2.50000000e-01,  4.85839844e-02, -2.98828125e-01,  6.93359375e-02,
        -1.11328125e-01, -1.46484375e-01,  9.61914062e-02, -1.02050781e-01,
         5.66406250e-02, -1.03027344e-01, -2.17285156e-02, -6.68945312e-02,
        -2.28515625e-01, -3.75000000e-01,  2.03125000e-01,  3.72314453e-03,
        -9.66796875e-02, -1.40991211e-02, -1.43554688e-01, -3.83300781e-02,
         1.48773193e-03,  3.88183594e-02,  1.60156250e-01, -1.05468750e-01,
         3.90625000e-02, -2.44140625e-01,  3.61328125e-02,  4.17480469e-02,
        -1.12304688e-01,  5.44433594e-02,  2.73437500e-02, -1.05957031e-01,
         1.46484375e-01,  4.07714844e-02,  1.33789062e-01, -9.13085938e-02,
        -1.51367188e-01,  3.24707031e-02,  6.07910156e-02, -6.49414062e-02,
        -1.31835938e-01,  2.28515625e-01, -3.27148438e-02,  1.42578125e-01,
        -2.96875000e-01, -2.50000000e-01, -5.63964844e-02,  9.27734375e-02,
         1.13281250e-01,  1.61132812e-01, -1.08398438e-01, -2.12402344e-02,
         1.13281250e-01,  1.43554688e-01,  1.18164062e-01, -1.83105469e-02,
        -2.73437500e-01, -4.29687500e-02, -9.13085938e-02,  1.76757812e-01,
        -2.25585938e-01, -9.57031250e-02, -3.58886719e-02, -1.24511719e-02,
        -6.68945312e-02,  1.38671875e-01, -1.44531250e-01, -1.69677734e-02,
         4.51660156e-02,  1.44531250e-01,  1.36108398e-02,  6.83593750e-02,
         2.43164062e-01,  2.09960938e-02,  9.47265625e-02,  8.15429688e-02,
        -3.51562500e-02, -4.32128906e-02, -5.83496094e-02,  2.05078125e-01,
         6.64062500e-02, -9.61914062e-02,  7.42187500e-02,  2.36816406e-02,
         1.71875000e-01,  6.10351562e-03,  1.73828125e-01, -1.03027344e-01,
         1.57226562e-01, -4.19921875e-02,  1.58203125e-01, -1.14135742e-02,
        -1.27929688e-01, -1.97753906e-02, -5.83496094e-02, -1.04980469e-01,
        -4.80957031e-02,  6.68945312e-02,  2.10937500e-01, -1.21093750e-01,
         7.32421875e-02, -1.04003906e-01,  1.97753906e-02, -1.39648438e-01,
        -8.93554688e-02, -1.12792969e-01,  1.73828125e-01, -1.19628906e-01,
        -7.22656250e-02, -1.66015625e-01, -1.97265625e-01,  1.69921875e-01,
        -3.97949219e-02,  1.17187500e-01,  1.60156250e-01,  1.08886719e-01,
        -2.56347656e-02,  2.94189453e-02,  1.83593750e-01, -1.42578125e-01,
         3.27148438e-02,  3.34472656e-02, -4.24804688e-02,  1.54296875e-01,
        -1.05957031e-01,  9.17968750e-02, -5.15136719e-02, -2.06054688e-01,
        -5.67626953e-03, -1.00585938e-01, -5.10253906e-02, -6.39648438e-0
2],
       dtype=float32),
 'teamwork': array([ 0.04785156, -0.00491333, -0.12695312, -0.14550781, -0.
07177734,
        -0.10205078,  0.20117188,  0.0324707 , -0.10253906,  0.14257812,
         0.11279297,  0.06640625,  0.2578125 ,  0.30859375, -0.09033203,
         0.13964844,  0.02124023,  0.12695312, -0.30078125,  0.16992188,
         0.00848389, -0.04418945,  0.00582886,  0.13867188,  0.04077148,
         0.00579834,  0.01312256, -0.15625   ,  0.08496094, -0.01403809,
        -0.20410156, -0.14355469,  0.31445312,  0.05297852,  0.48242188,
         0.09228516,  0.12109375,  0.04907227,  0.40820312, -0.13574219,
         0.24121094, -0.19335938, -0.1953125 ,  0.23339844, -0.16503906,
        -0.09863281, -0.22265625, -0.07080078, -0.06640625,  0.13574219,
        -0.20996094,  0.37109375, -0.13183594, -0.07226562,  0.2734375 ,
         0.05322266, -0.03515625, -0.08251953, -0.20117188,  0.01373291,
        -0.11572266,  0.22167969, -0.07519531, -0.140625  ,  0.08007812,
         0.08349609, -0.06201172, -0.14746094,  0.13085938, -0.07763672,
        -0.29101562, -0.33007812,  0.0213623 , -0.05395508, -0.00248718,
```

```
        -0.1484375 , -0.05273438, -0.00436401,  0.08154297, -0.109375  ,
        -0.3203125 , -0.06030273, -0.02893066, -0.18164062,  0.07861328,
        -0.40625   , -0.18164062,  0.29296875,  0.0201416 , -0.04907227,
         0.12451172, -0.04150391, -0.09863281,  0.01275635,  0.48046875,
         0.02380371, -0.14648438,  0.22167969, -0.09570312, -0.12451172,
        -0.08789062, -0.15917969,  0.00056458,  0.3203125 ,  0.18359375,
         0.08691406, -0.02661133, -0.19042969,  0.02319336,  0.02990723,
        -0.02355957,  0.10742188, -0.13085938,  0.06054688,  0.31445312,
         0.09912109,  0.09716797, -0.19042969, -0.20214844, -0.29296875,
        -0.41015625, -0.24511719,  0.12988281,  0.43945312,  0.04077148,
        -0.01409912, -0.16015625, -0.07861328, -0.06445312,  0.30273438,
        -0.265625  , -0.234375  , -0.17285156, -0.07519531,  0.06176758,
         0.08398438,  0.01660156, -0.45898438, -0.20898438,  0.28710938,
        -0.09472656, -0.21777344,  0.00958252, -0.25195312, -0.51953125,
        -0.08935547,  0.01074219,  0.04296875,  0.27148438, -0.27148438,
         0.23925781,  0.5234375 , -0.15625   ,  0.24902344, -0.09912109,
         0.07080078,  0.37109375, -0.24804688,  0.01092529,  0.09619141,
         0.14453125,  0.15820312, -0.109375  ,  0.21386719, -0.04248047,
        -0.05737305, -0.02539062, -0.30273438,  0.07324219,  0.28515625,
        -0.08300781, -0.18359375, -0.09667969, -0.17480469,  0.21972656,
         0.20117188,  0.05834961,  0.02563477, -0.07666016, -0.22851562,
        -0.14746094,  0.00964355,  0.1875    , -0.05688477, -0.05249023,
        -0.12988281,  0.19921875, -0.35546875, -0.0456543 , -0.08203125,
        -0.08544922,  0.00215149,  0.05859375,  0.32617188, -0.11914062,
        -0.44726562,  0.1328125 , -0.06225586, -0.33984375, -0.25195312,
         0.13085938, -0.00817871, -0.21289062, -0.01385498, -0.234375  ,
        -0.25585938, -0.18652344, -0.27929688,  0.06201172, -0.16210938,
        -0.08740234, -0.23925781, -0.11621094,  0.18359375,  0.11132812,
        -0.23632812,  0.234375  ,  0.0534668 , -0.24316406,  0.21386719,
        -0.14941406, -0.08007812,  0.28320312,  0.01397705, -0.38085938,
        -0.10498047,  0.25976562,  0.08056641,  0.16015625, -0.10986328,
        -0.11474609,  0.02331543,  0.21484375, -0.03955078, -0.08300781,
        -0.24609375, -0.20019531, -0.08203125,  0.29101562, -0.06445312,
         0.07421875, -0.01635742, -0.1875    , -0.07910156,  0.0168457 ,
         0.12890625, -0.28125   , -0.14257812,  0.13085938, -0.15039062,
        -0.22363281,  0.40625   ,  0.01452637,  0.328125  ,  0.09033203,
        -0.24414062,  0.15820312,  0.04345703, -0.09277344,  0.23144531,
         0.05639648, -0.03198242, -0.234375  ,  0.03198242,  0.10351562,
         0.11328125,  0.375     , -0.21191406, -0.21777344,  0.33398438,
        -0.13769531,  0.1953125 , -0.08447266, -0.10205078,  0.19433594,
        -0.01202393, -0.10595703,  0.05541992, -0.19433594,  0.04394531,
        -0.13378906, -0.22167969, -0.02319336,  0.03320312, -0.18847656,
        -0.29101562, -0.09228516,  0.17285156,  0.0859375 ,  0.17382812,
        -0.25390625,  0.16113281, -0.37109375, -0.29492188, -0.37695312,
        -0.19824219,  0.22851562, -0.25195312, -0.01855469,  0.0279541 ],
       dtype=float32),
 'collaborating': array([-0.05078125,  0.10742188,  0.20996094, -0.0581054
7,  0.03881836,
         0.40234375, -0.23828125, -0.09716797,  0.16503906, -0.19628906,
         0.03710938,  0.03076172, -0.3046875 ,  0.00640869, -0.33203125,
        -0.33203125, -0.21972656, -0.08642578,  0.12988281,  0.00201416,
        -0.06689453,  0.12060547,  0.03039551, -0.07421875,  0.05541992,
         0.01098633,  0.24316406, -0.19238281, -0.4375    , -0.07568359,
         0.16992188,  0.00273132, -0.00418091, -0.00156403,  0.03051758,
        -0.00933838,  0.07861328, -0.21679688,  0.11621094, -0.12402344,
         0.06835938,  0.29101562, -0.33007812,  0.04150391, -0.00466919,
        -0.18164062, -0.15332031, -0.01708984,  0.03417969,  0.11816406,
         0.02807617,  0.02355957, -0.24707031, -0.13769531,  0.27929688,
         0.05932617,  0.09521484, -0.33007812,  0.30273438,  0.15332031,
         0.26171875,  0.08251953, -0.07617188,  0.05322266, -0.18066406,
         0.17675781,  0.01379395,  0.21679688, -0.04833984, -0.0291748 ,
        -0.37695312,  0.01397705, -0.07568359,  0.01446533, -0.10302734,
        -0.10107422, -0.10888672, -0.09667969,  0.24707031,  0.11816406,
        -0.09033203, -0.00741577,  0.140625  , -0.04736328,  0.04736328,
```

```
        -0.34765625, -0.0612793 , -0.17089844, -0.00312805,  0.3125    ,
         0.14160156, -0.38476562, -0.04492188, -0.01397705,  0.04052734,
         0.1328125 ,  0.15332031, -0.08837891, -0.22070312, -0.10693359,
        -0.23632812, -0.21972656,  0.18554688, -0.02929688,  0.10986328,
         0.16601562,  0.04589844,  0.07714844,  0.1875    ,  0.00576782,
        -0.28515625, -0.05981445,  0.18554688,  0.02941895,  0.01867676,
        -0.04052734,  0.03173828, -0.20703125,  0.17089844, -0.09326172,
         0.01672363, -0.10205078, -0.21679688,  0.21679688,  0.06640625,
        -0.01977539, -0.15234375, -0.15527344, -0.32226562,  0.13867188,
         0.05395508, -0.05444336,  0.1171875 ,  0.06835938, -0.18554688,
         0.00436401,  0.4375    , -0.09082031, -0.04956055, -0.04736328,
        -0.18359375,  0.26953125, -0.27929688,  0.05541992, -0.09570312,
         0.09277344, -0.07470703, -0.10498047,  0.20410156,  0.09521484,
         0.06030273,  0.1484375 , -0.23632812,  0.265625  ,  0.38476562,
        -0.06103516, -0.2734375 , -0.00405884, -0.12597656, -0.10302734,
        -0.0559082 ,  0.10742188, -0.05883789,  0.15527344,  0.08203125,
        -0.00082397,  0.25585938, -0.11865234, -0.16308594, -0.04150391,
         0.20800781, -0.06738281,  0.34765625, -0.0612793 ,  0.09667969,
        -0.15917969, -0.03344727, -0.32421875, -0.21875   , -0.05029297,
        -0.27734375, -0.13378906,  0.14941406, -0.27539062,  0.04760742,
        -0.25      , -0.15722656, -0.16113281, -0.05444336, -0.09130859,
        -0.20605469,  0.05688477,  0.47460938, -0.27539062,  0.02368164,
         0.23632812,  0.14355469,  0.14550781,  0.16894531, -0.25      ,
         0.14257812,  0.3828125 ,  0.36132812,  0.05957031, -0.29882812,
         0.03662109, -0.30664062, -0.01477051, -0.1328125 , -0.05834961,
         0.33007812, -0.14453125,  0.23535156,  0.25390625,  0.15234375,
        -0.17675781,  0.02575684, -0.00680542, -0.03710938,  0.00112152,
        -0.08496094, -0.15332031, -0.15820312,  0.5       ,  0.00640869,
        -0.09033203, -0.19335938, -0.04760742, -0.05249023, -0.08154297,
        -0.21875   , -0.04589844, -0.11425781,  0.26171875, -0.00430298,
        -0.37304688,  0.05786133,  0.05175781,  0.02075195,  0.13085938,
        -0.01855469, -0.08154297, -0.07470703,  0.11914062, -0.00094986,
        -0.02197266,  0.06347656, -0.00579834,  0.23828125, -0.14746094,
        -0.08349609,  0.1015625 ,  0.16503906,  0.22460938,  0.08105469,
         0.16210938, -0.03295898,  0.12792969, -0.13769531, -0.10253906,
        -0.234375  ,  0.04443359,  0.09765625, -0.05908203,  0.02429199,
         0.08691406,  0.02783203,  0.16796875, -0.19726562,  0.41992188,
         0.16113281,  0.09863281, -0.06079102,  0.25390625,  0.28125   ,
        -0.05712891, -0.28710938,  0.37695312, -0.14648438, -0.03662109,
        -0.19042969,  0.0111084 , -0.16308594,  0.20214844,  0.02526855,
        -0.19726562,  0.05883789,  0.03369141,  0.44726562, -0.23535156,
        -0.265625  ,  0.18652344, -0.30859375,  0.20703125, -0.02478027,
         0.02001953,  0.15820312,  0.19921875,  0.01184082,  0.26171875],
       dtype=float32),
 'ensure': array([-0.484375  ,  0.07714844, -0.13085938, -0.17285156,  0.11
865234,
        -0.08105469,  0.13867188,  0.12109375,  0.14160156, -0.24414062,
        -0.31835938, -0.17773438,  0.06640625,  0.31054688, -0.06152344,
        -0.00186157, -0.09228516, -0.01385498, -0.11816406,  0.00549316,
         0.11279297, -0.02880859,  0.2109375 ,  0.05004883, -0.00320435,
        -0.11376953, -0.0255127 , -0.07421875,  0.23632812, -0.0859375 ,
        -0.09179688, -0.04370117, -0.03149414,  0.23828125, -0.07714844,
        -0.08105469,  0.06933594, -0.10253906,  0.05078125,  0.02722168,
         0.04711914,  0.13378906,  0.0144043 , -0.10546875, -0.18261719,
        -0.26953125, -0.11035156,  0.03930664,  0.1015625 , -0.03173828,
         0.03417969,  0.19140625,  0.0402832 , -0.13671875,  0.00592041,
         0.13183594, -0.29296875, -0.28320312, -0.140625  , -0.19238281,
        -0.25976562, -0.02233887, -0.20507812, -0.11572266,  0.21679688,
         0.12158203, -0.16015625,  0.0546875 ,  0.0035553 ,  0.08496094,
        -0.08056641,  0.10693359,  0.28515625,  0.11621094, -0.05786133,
        -0.07519531,  0.05981445, -0.08056641,  0.03637695,  0.19433594,
         0.08789062,  0.03588867, -0.02270508, -0.15039062, -0.24804688,
        -0.08154297, -0.20507812, -0.06494141, -0.07568359,  0.22167969,
         0.03808594,  0.02416992,  0.06054688, -0.07519531,  0.03393555,
```

```
        -0.24414062, -0.05810547, -0.11132812,  0.12695312,  0.14550781,
         0.06689453, -0.11279297,  0.109375  ,  0.13867188, -0.27539062,
        -0.06396484, -0.16210938,  0.02746582,  0.02734375,  0.2421875 ,
         0.03979492,  0.10498047, -0.30078125,  0.10986328, -0.04882812,
         0.12060547, -0.01422119,  0.20117188,  0.00601196,  0.12304688,
        -0.03491211,  0.11914062, -0.00488281,  0.08837891, -0.02819824,
         0.08886719, -0.15332031, -0.20703125,  0.2109375 ,  0.01660156,
         0.22753906, -0.04785156, -0.05224609, -0.06396484, -0.10205078,
        -0.13085938, -0.03417969,  0.29882812,  0.06933594,  0.14257812,
         0.19726562, -0.06176758, -0.19433594,  0.12255859, -0.03100586,
        -0.00048447,  0.0088501 ,  0.04174805, -0.03271484, -0.04223633,
        -0.08544922,  0.2421875 ,  0.12695312, -0.01556396, -0.06396484,
        -0.13769531, -0.02319336,  0.12988281, -0.22753906, -0.16796875,
        -0.10058594, -0.09765625, -0.04833984, -0.06298828,  0.07568359,
         0.00091934, -0.35351562, -0.23046875,  0.02880859, -0.19824219,
        -0.13574219, -0.03369141, -0.08056641, -0.0300293 ,  0.16992188,
        -0.30273438,  0.24707031, -0.1953125 , -0.22558594,  0.15625   ,
        -0.00358582, -0.04858398,  0.36132812, -0.0625    , -0.1640625 ,
        -0.08056641, -0.09814453, -0.13964844,  0.03686523,  0.09619141,
        -0.33007812, -0.04199219,  0.0279541 , -0.01202393, -0.05029297,
        -0.24609375, -0.01342773, -0.05419922, -0.2109375 , -0.20214844,
         0.24511719,  0.02075195,  0.06640625, -0.27148438, -0.11132812,
        -0.109375  , -0.17675781, -0.08642578,  0.12890625, -0.390625  ,
        -0.03759766,  0.21386719, -0.11328125,  0.06176758, -0.10449219,
        -0.01916504,  0.10302734,  0.26757812, -0.02001953,  0.0559082 ,
        -0.04541016, -0.25585938,  0.04663086,  0.10009766, -0.08642578,
         0.13671875,  0.17578125,  0.0546875 ,  0.34765625, -0.19628906,
         0.01452637, -0.09521484,  0.19238281, -0.00408936,  0.06542969,
         0.12792969, -0.01660156,  0.07666016,  0.11523438,  0.01660156,
        -0.47265625,  0.08154297,  0.0189209 ,  0.01141357,  0.01818848,
        -0.12597656, -0.1875    ,  0.12109375, -0.15625   ,  0.10205078,
        -0.26171875,  0.23632812, -0.00939941, -0.00315857,  0.18652344,
        -0.09228516, -0.08984375, -0.06689453, -0.15332031, -0.12451172,
         0.09130859, -0.05737305, -0.10839844,  0.2109375 ,  0.16503906,
        -0.06054688, -0.0098877 , -0.04003906, -0.12255859, -0.19140625,
         0.25390625,  0.13574219,  0.05761719,  0.17480469, -0.19335938,
        -0.15625   ,  0.01989746, -0.12402344,  0.02001953,  0.05517578,
        -0.0480957 , -0.0703125 ,  0.09863281,  0.328125  ,  0.16601562,
         0.02111816, -0.22167969, -0.0078125 ,  0.265625  ,  0.02819824,
        -0.22949219,  0.11132812, -0.03881836, -0.02392578,  0.04980469,
         0.05224609, -0.25585938, -0.08740234,  0.04443359, -0.21972656],
       dtype=float32),
 'best': array([-1.26953125e-01,  2.19726562e-02,  2.87109375e-01,  1.53320
312e-01,
         1.27929688e-01,  3.27148438e-02, -1.15722656e-01, -2.95410156e-02,
         1.53320312e-01,  1.12915039e-02,  1.39648438e-01, -8.69140625e-02,
         2.57812500e-01,  7.37304688e-02, -1.89208984e-02,  1.25000000e-01,
         9.08203125e-02, -1.55639648e-03, -3.19824219e-02, -1.45507812e-01,
         4.76074219e-02,  1.73828125e-01, -1.46484375e-01,  6.01196289e-03,
         3.02734375e-02,  4.07714844e-02, -6.64062500e-02,  1.84570312e-01,
         9.71679688e-02, -1.04980469e-01,  2.49023438e-02,  5.63964844e-02,
         1.65039062e-01,  9.08203125e-02,  1.85546875e-01,  2.25585938e-01,
        -3.97949219e-02, -1.67968750e-01, -6.93359375e-02,  1.96533203e-02,
         2.43164062e-01, -3.97949219e-02, -1.52343750e-01,  5.34667969e-02,
        -6.00585938e-02,  2.94921875e-01,  1.81640625e-01, -4.63867188e-02,
         1.67968750e-01,  1.01562500e-01,  9.08203125e-02,  3.18359375e-01,
        -6.22558594e-02,  8.39843750e-02, -1.66015625e-01, -2.09960938e-02,
        -1.90429688e-02, -1.66015625e-01,  1.21093750e-01,  2.64892578e-02,
        -6.73828125e-02,  2.42187500e-01, -1.74804688e-01, -5.10253906e-02,
         7.76367188e-02,  6.37817383e-03, -9.71679688e-02, -2.31933594e-02,
        -6.25000000e-02,  8.34960938e-02,  1.09863281e-01,  6.46710396e-06,
         2.57812500e-01,  1.40625000e-01, -2.59765625e-01, -5.88378906e-02,
        -1.80664062e-02,  3.32031250e-02, -1.34765625e-01,  7.38525391e-03,
         5.29785156e-02,  5.17578125e-02,  1.02050781e-01,  1.17675781e-01,
```

```
         1.08398438e-01,  1.37329102e-02, -5.56640625e-02,  1.37695312e-01,
        -8.30078125e-02,  2.31445312e-01,  1.44531250e-01,  1.66992188e-01,
        -1.14257812e-01, -8.39843750e-02, -5.61523438e-02, -2.35351562e-01,
         8.20312500e-02,  2.28271484e-02, -1.83593750e-01, -3.32031250e-02,
         1.15356445e-02,  1.28906250e-01, -1.14746094e-01, -2.16796875e-01,
        -2.20703125e-01,  1.00585938e-01, -9.37500000e-02, -4.85839844e-02,
         3.60107422e-03, -1.55029297e-02,  1.59179688e-01,  8.98437500e-02,
        -2.55859375e-01,  8.74023438e-02,  3.04687500e-01, -1.20849609e-02,
         4.82177734e-03, -2.98828125e-01, -7.03125000e-02, -1.15234375e-01,
        -9.76562500e-02,  6.78710938e-02,  1.27929688e-01,  9.08203125e-02,
        -5.20019531e-02, -1.91406250e-01,  1.15356445e-02, -3.06640625e-01,
        -1.94335938e-01,  9.86328125e-02, -2.71484375e-01, -1.26953125e-01,
        -1.47460938e-01, -8.44726562e-02, -6.34765625e-02, -2.59765625e-01,
         7.12890625e-02, -3.15856934e-03,  2.11914062e-01,  1.55273438e-01,
        -6.59179688e-02, -5.93261719e-02,  6.05468750e-02,  1.17675781e-01,
         2.40478516e-02, -4.63867188e-02, -1.52343750e-01, -5.49316406e-02,
         2.12890625e-01,  2.46582031e-02, -4.00390625e-02,  2.14843750e-01,
        -8.10546875e-02,  2.29492188e-01, -6.68945312e-02, -8.25195312e-02,
         1.07910156e-01, -1.62109375e-01, -1.29882812e-01, -9.08203125e-02,
        -2.30468750e-01,  1.50756836e-02,  4.78515625e-02, -6.59179688e-02,
         1.01562500e-01,  6.48498535e-05, -5.71289062e-02, -1.31835938e-01,
        -2.87109375e-01,  7.86132812e-02, -6.29882812e-02,  5.17578125e-02,
         1.06445312e-01, -6.22558594e-02, -2.51464844e-02,  8.49609375e-02,
         2.65625000e-01, -4.23431396e-04, -1.25976562e-01,  3.36914062e-02,
        -9.57031250e-02, -2.77343750e-01, -6.88476562e-02, -1.65039062e-01,
        -3.16406250e-01, -1.03515625e-01, -2.42187500e-01,  1.46484375e-01,
         5.73730469e-02, -7.42187500e-02, -6.59179688e-02,  1.90429688e-01,
         1.48437500e-01, -1.29882812e-01,  9.32617188e-02, -1.24023438e-01,
        -2.58789062e-02, -6.73828125e-02, -2.30468750e-01, -3.32031250e-01,
         1.83105469e-02,  2.35351562e-01,  5.39550781e-02,  1.51367188e-01,
        -1.23535156e-01, -7.03125000e-02, -6.77490234e-03, -1.46484375e-02,
        -6.78710938e-02,  8.10546875e-02, -5.90820312e-02,  3.19824219e-02,
        -3.63769531e-02,  4.54711914e-03, -2.33398438e-01, -1.20117188e-01,
         1.48437500e-01,  5.76782227e-03,  4.02832031e-02, -6.73828125e-02,
        -1.64062500e-01,  1.12792969e-01, -1.35742188e-01,  6.64062500e-02,
        -4.54101562e-02,  4.41894531e-02, -1.30859375e-01, -1.27929688e-01,
        -3.32031250e-02,  9.57031250e-02, -6.59179688e-02, -6.68945312e-02,
         1.38671875e-01,  9.22851562e-02,  1.71875000e-01, -1.58691406e-02,
        -8.10546875e-02, -2.61718750e-01, -6.39648438e-02,  8.39843750e-02,
         9.27734375e-02, -1.43554688e-01, -1.57165527e-03, -1.85546875e-01,
         4.93164062e-02,  8.59375000e-02, -1.85546875e-02, -1.77001953e-02,
        -2.55859375e-01, -1.66992188e-01, -2.19726562e-02, -7.22656250e-02,
         5.24902344e-02,  7.95898438e-02,  1.13769531e-01, -5.10253906e-02,
        -1.58203125e-01,  7.12890625e-02, -1.82617188e-01, -2.04101562e-01,
        -1.78710938e-01,  1.20605469e-01, -3.58886719e-02,  9.57031250e-02,
         1.52343750e-01,  3.99780273e-03, -5.90820312e-02, -3.24707031e-02,
        -5.41992188e-02, -5.49316406e-03, -4.56542969e-02, -1.52587891e-03,
        -5.02929688e-02,  2.55859375e-01,  4.83398438e-02, -1.94091797e-02,
        -1.27929688e-01, -8.83789062e-02, -2.25585938e-01,  8.74023438e-02,
         2.05078125e-01,  8.59375000e-02,  6.64062500e-02,  1.08398438e-01,
        -1.91406250e-01,  7.03125000e-02, -1.63085938e-01, -2.47192383e-03,
         2.02636719e-02,  1.70135498e-03,  6.43920898e-03, -3.39355469e-02,
        -1.66015625e-01, -1.68457031e-02, -4.85839844e-02, -2.28271484e-02,
        -1.52343750e-01, -1.01562500e-01, -9.03320312e-02,  8.83789062e-0
2],
       dtype=float32),
 'come': array([ 2.18505859e-02,  6.07910156e-02,  4.54101562e-02,  1.26953
125e-01,
        -1.25000000e-01, -5.22460938e-02, -2.08740234e-02,  1.80664062e-01,
         7.86132812e-02,  1.50390625e-01, -2.41699219e-02, -8.36181641e-03,
        -1.18652344e-01,  1.29699707e-03, -1.44531250e-01,  1.68945312e-01,
         2.22656250e-01,  9.27734375e-02,  7.76367188e-02, -4.76074219e-03,
        -1.74804688e-01,  1.78710938e-01,  4.00390625e-02,  1.31225586e-02,
         1.87500000e-01,  2.18505859e-02, -2.25830078e-02, -1.73828125e-01,
```

```
 3.40270996e-03, -6.98242188e-02, -1.22070312e-01, -1.02539062e-01,
-1.54296875e-01, -4.95605469e-02, -1.44653320e-02, -1.10839844e-01,
 2.06298828e-02, -2.13623047e-02,  5.71289062e-02,  1.79687500e-01,
 1.24023438e-01,  5.76171875e-02,  4.73632812e-02, -3.67736816e-03,
-2.03857422e-02, -1.90429688e-01, -1.75781250e-01, -1.54296875e-01,
-2.13623047e-02,  1.40991211e-02, -1.48315430e-02,  1.83593750e-01,
-4.88281250e-02, -2.58789062e-02,  1.02050781e-01, -1.36718750e-01,
-4.51660156e-03, -9.27734375e-03,  1.55273438e-01, -5.73730469e-03,
 2.72216797e-02,  3.97949219e-02, -5.56640625e-02,  6.64062500e-02,
-1.48437500e-01, -8.34960938e-02, -1.08886719e-01,  1.80664062e-01,
-1.50390625e-01,  1.73828125e-01,  1.03515625e-01, -1.62353516e-02,
 1.67968750e-01, -1.85546875e-01, -9.57031250e-02, -1.48437500e-01,
-1.08886719e-01,  1.80664062e-01, -1.36718750e-01,  1.71875000e-01,
 9.94873047e-03, -1.71875000e-01,  2.52685547e-02,  7.75146484e-03,
 9.52148438e-03,  2.40478516e-02, -4.88281250e-02,  1.46484375e-02,
-1.36718750e-01,  1.61132812e-02,  2.94921875e-01,  1.65039062e-01,
-7.91015625e-02, -7.91015625e-02, -1.25976562e-01, -1.67968750e-01,
 7.61718750e-02,  3.04687500e-01,  1.46484375e-01, -6.98242188e-02,
-2.50000000e-01,  1.01074219e-01,  2.90527344e-02, -4.90722656e-02,
-5.88378906e-02, -2.16796875e-01,  6.07910156e-02, -7.17773438e-02,
 9.42382812e-02, -6.07910156e-02, -6.93359375e-02,  1.15966797e-02,
 2.09045410e-03, -1.39648438e-01,  8.15429688e-02,  1.80664062e-02,
-8.60595703e-03, -1.21093750e-01,  1.31835938e-01,  4.57763672e-03,
 1.07910156e-01,  7.12890625e-02,  9.82666016e-03,  2.13867188e-01,
 1.21459961e-02,  1.75781250e-01, -5.05371094e-02, -1.67968750e-01,
-1.23535156e-01, -4.78515625e-02,  4.46777344e-02, -3.08593750e-01,
-1.05590820e-02, -3.85742188e-02,  2.77709961e-03, -9.03320312e-02,
 6.39648438e-02,  2.81631947e-06, -1.31988525e-03,  4.56542969e-02,
-1.29882812e-01,  6.29882812e-02, -1.26342773e-02,  6.54296875e-02,
-1.59912109e-02,  2.00195312e-01,  2.16064453e-02, -2.69531250e-01,
 6.88476562e-02, -6.78710938e-02,  7.86132812e-02,  1.56250000e-01,
-6.64062500e-02,  4.61425781e-02, -4.39453125e-02, -1.54296875e-01,
 4.37011719e-02, -1.51367188e-01, -7.56835938e-02,  5.39550781e-02,
 1.40625000e-01,  2.07519531e-03, -2.58789062e-02, -9.17968750e-02,
 2.48046875e-01, -3.43750000e-01, -6.93359375e-02,  3.49121094e-02,
 1.11328125e-01, -8.00781250e-02, -2.87109375e-01, -9.22851562e-02,
-3.24707031e-02, -3.14941406e-02,  3.51562500e-02,  9.76562500e-02,
 2.11914062e-01,  3.17382812e-02,  8.64257812e-02,  1.03515625e-01,
-7.91015625e-02, -8.00781250e-02,  7.75146484e-03,  1.41601562e-01,
-8.49609375e-02, -1.34765625e-01, -2.23388672e-02, -7.47070312e-02,
 2.09960938e-01,  2.22167969e-02,  3.00781250e-01,  9.42230225e-04,
 3.14453125e-01, -3.14941406e-02, -1.11694336e-02,  9.27734375e-02,
-3.95507812e-02,  3.29589844e-02, -1.25976562e-01, -7.32421875e-02,
-6.68945312e-02,  1.01074219e-01, -1.12792969e-01,  1.12915039e-02,
 5.20019531e-02,  3.71093750e-02, -3.41796875e-02, -1.92382812e-01,
 2.17773438e-01,  6.25000000e-02, -8.59375000e-02,  3.19824219e-02,
 1.11328125e-01, -5.95703125e-02, -1.87500000e-01, -3.27148438e-02,
 1.20605469e-01, -7.66601562e-02, -5.29785156e-02, -1.19140625e-01,
-1.00097656e-01, -2.96630859e-02, -3.39355469e-02,  7.66601562e-02,
 1.96289062e-01, -4.58984375e-02, -5.39550781e-02,  1.04003906e-01,
 5.81054688e-02, -6.62231445e-03,  1.53808594e-02,  1.78710938e-01,
 3.71093750e-02,  1.25000000e-01,  9.13085938e-02,  5.54199219e-02,
-1.36718750e-01, -1.30859375e-01,  2.38037109e-02,  5.59082031e-02,
 1.26953125e-01,  2.13623047e-04, -1.12792969e-01, -1.13281250e-01,
 7.32421875e-02,  7.95898438e-02,  1.43432617e-02, -6.03027344e-02,
 6.07910156e-02,  7.44628906e-03,  1.68457031e-02,  1.34765625e-01,
 9.52148438e-02,  9.13085938e-02,  7.91015625e-02,  5.59082031e-02,
 3.22265625e-02, -1.35742188e-01, -8.93554688e-02, -9.91210938e-02,
-1.41601562e-01, -9.81445312e-02, -5.17578125e-02,  2.55859375e-01,
 1.75781250e-01, -4.00390625e-02, -2.24609375e-02,  8.78906250e-03,
-9.76562500e-02, -4.11987305e-03,  1.98242188e-01,  2.19726562e-01,
 9.47265625e-02,  5.17578125e-02,  2.44140625e-01, -8.34960938e-02,
-1.55639648e-02, -1.52343750e-01, -1.13525391e-02, -5.79833984e-03,
-9.32617188e-02, -1.21582031e-01,  1.13281250e-01,  8.83789062e-02,
```

```
        -6.39648438e-02,  4.00390625e-02,  1.87988281e-02,  2.27050781e-02,
        -1.82617188e-01,  2.30468750e-01, -1.68945312e-01,  1.80664062e-01,
        -6.29882812e-02,  2.04101562e-01, -1.80053711e-03,  1.77001953e-02,
         9.47265625e-02, -1.07910156e-01,  1.66992188e-01, -1.69921875e-0
1],
       dtype=float32),
 'care': array([-0.19726562,  0.25      ,  0.05224609,  0.02941895, -0.0125
7324,
         0.09667969,  0.359375  , -0.17578125, -0.08837891, -0.11523438,
        -0.10107422, -0.07226562,  0.10107422,  0.2734375 ,  0.07128906,
        -0.05371094,  0.03735352,  0.38671875,  0.05395508, -0.05883789,
         0.13769531, -0.12695312,  0.36328125,  0.10449219,  0.10791016,
         0.10839844, -0.30664062, -0.11425781, -0.0625    , -0.36523438,
        -0.19238281,  0.24414062, -0.15820312, -0.17089844, -0.10058594,
         0.14160156,  0.10107422,  0.10009766, -0.01361084,  0.03491211,
        -0.04467773, -0.07910156, -0.06201172, -0.16503906, -0.12695312,
        -0.38476562,  0.24316406,  0.02026367, -0.07568359, -0.08789062,
        -0.11376953,  0.05371094, -0.12207031,  0.11083984, -0.006073  ,
         0.03173828, -0.02709961,  0.25390625, -0.3671875 , -0.05834961,
        -0.13867188,  0.11572266,  0.10546875, -0.18847656,  0.17480469,
         0.13769531, -0.19824219,  0.18652344, -0.12353516, -0.03588867,
         0.13085938,  0.06103516,  0.05224609, -0.09667969, -0.05834961,
        -0.04785156, -0.11035156, -0.16308594,  0.20996094,  0.375     ,
        -0.02722168, -0.03198242,  0.00500488,  0.13867188, -0.04345703,
        -0.03686523, -0.05395508,  0.16308594, -0.07763672, -0.0255127 ,
         0.33984375,  0.12988281,  0.00540161, -0.17773438,  0.05175781,
        -0.11035156,  0.20703125, -0.0612793 , -0.04980469,  0.06103516,
         0.02001953, -0.13476562,  0.07763672,  0.10595703, -0.06591797,
        -0.2578125 ,  0.06787109, -0.04418945, -0.02282715, -0.05126953,
        -0.05151367,  0.12695312, -0.17285156,  0.2578125 , -0.0546875 ,
        -0.00793457,  0.01116943, -0.28710938, -0.04418945,  0.08251953,
        -0.48632812, -0.10791016, -0.09863281,  0.04248047, -0.03393555,
         0.00793457, -0.12011719,  0.05615234,  0.15820312,  0.0267334 ,
        -0.0625    , -0.16992188, -0.09912109, -0.07373047,  0.09228516,
        -0.15332031, -0.1796875 , -0.09423828,  0.11669922,  0.10009766,
         0.04467773,  0.05273438,  0.07714844, -0.11425781, -0.09570312,
        -0.09960938,  0.11865234, -0.01190186, -0.27929688, -0.10791016,
         0.12792969,  0.02612305,  0.02209473, -0.03540039, -0.11279297,
        -0.13183594, -0.12792969,  0.02307129, -0.11328125, -0.16308594,
        -0.01757812,  0.25      , -0.2109375 ,  0.26367188, -0.18847656,
        -0.02148438, -0.14648438, -0.13574219, -0.03637695, -0.16992188,
         0.0402832 , -0.06103516,  0.07275391, -0.14648438, -0.11572266,
         0.02661133,  0.25195312,  0.0625    , -0.1640625 ,  0.14648438,
        -0.25390625, -0.12011719,  0.07617188, -0.15039062, -0.21484375,
        -0.02832031, -0.0145874 ,  0.02539062, -0.07470703,  0.03955078,
         0.09423828, -0.20605469,  0.17578125,  0.05297852, -0.10107422,
         0.01202393, -0.13476562, -0.14648438,  0.27929688,  0.0534668 ,
        -0.19238281,  0.17578125, -0.02319336, -0.24609375, -0.24609375,
        -0.24804688,  0.01904297, -0.16601562,  0.17773438, -0.38085938,
         0.09814453, -0.05102539, -0.11230469, -0.10546875,  0.04541016,
         0.04394531,  0.25585938,  0.01507568, -0.3359375 , -0.09033203,
         0.04614258,  0.08203125,  0.01409912, -0.02331543,  0.05444336,
        -0.08105469,  0.07958984, -0.0625    , -0.09912109,  0.18066406,
         0.08154297, -0.21484375,  0.03369141, -0.20703125, -0.07421875,
         0.11572266,  0.14257812,  0.0546875 ,  0.00430298, -0.12304688,
        -0.02172852, -0.03222656,  0.3828125 ,  0.0032959 , -0.10595703,
         0.234375  ,  0.08154297, -0.09521484, -0.12011719, -0.359375  ,
        -0.17675781, -0.03198242,  0.04443359,  0.1796875 , -0.06201172,
         0.08691406,  0.01434326, -0.01281738, -0.16503906,  0.04736328,
        -0.02783203, -0.04492188, -0.30859375, -0.09472656,  0.08251953,
        -0.12988281, -0.13671875, -0.15527344, -0.17871094,  0.22949219,
        -0.02111816,  0.16308594,  0.38085938, -0.05273438,  0.14160156,
        -0.34375   , -0.15429688, -0.10302734,  0.01635742,  0.00494385,
         0.21972656, -0.11376953,  0.10253906,  0.30078125, -0.05444336,
```

```
        -0.006073  , -0.04321289,  0.13574219,  0.05932617,  0.05126953,
        -0.10888672,  0.04101562, -0.05151367, -0.00091171, -0.12890625,
         0.1875    , -0.12792969,  0.16796875,  0.04882812, -0.08886719],
       dtype=float32),
 'essential': array([-1.19781494e-03, -2.16796875e-01, -9.08203125e-02, -7.
71484375e-02,
        -2.16796875e-01,  1.52343750e-01,  2.24609375e-01,  3.70788574e-03,
        -1.25976562e-01, -1.04492188e-01, -1.16699219e-01, -9.91210938e-02,
         9.42382812e-02,  9.17968750e-02, -2.44140625e-01,  1.31835938e-01,
         1.61132812e-01, -2.02148438e-01, -9.76562500e-03,  1.79443359e-02,
        -3.68652344e-02, -1.66015625e-01, -1.85546875e-01,  2.19726562e-01,
        -8.54492188e-02,  9.32617188e-02, -3.61328125e-02,  5.21850586e-03,
         1.57226562e-01, -1.22680664e-02,  2.65625000e-01, -1.76757812e-01,
         2.24609375e-01,  8.78906250e-02,  8.64257812e-02, -8.78906250e-02,
        -1.72851562e-01,  4.29687500e-02,  1.31225586e-02, -7.32421875e-02,
         1.57226562e-01,  1.00097656e-01,  1.48437500e-01, -6.13403320e-03,
        -9.57031250e-02, -1.30859375e-01, -1.11816406e-01, -6.83593750e-02,
        -1.31835938e-01,  5.34667969e-02,  1.20117188e-01, -3.14941406e-02,
        -2.55859375e-01,  1.25976562e-01,  4.02832031e-03,  4.05883789e-03,
        -2.22656250e-01, -2.04101562e-01,  1.76757812e-01,  1.21093750e-01,
        -1.65039062e-01,  3.61328125e-02, -2.50000000e-01,  1.12304688e-02,
         1.91406250e-01,  1.50390625e-01, -2.26562500e-01,  2.04101562e-01,
        -2.06054688e-01, -2.73437500e-01, -2.44140625e-01, -9.08203125e-02,
         1.70898438e-01, -7.95898438e-02, -1.55273438e-01, -2.23632812e-01,
         4.54101562e-02,  7.12890625e-02, -9.32617188e-02,  3.90625000e-02,
         5.81054688e-02, -6.05468750e-02,  1.35498047e-02, -2.98828125e-01,
        -1.17187500e-01, -1.18652344e-01, -4.80957031e-02, -7.12890625e-02,
         7.91015625e-02,  1.17675781e-01,  4.34570312e-02, -1.67968750e-01,
         2.16796875e-01, -1.73828125e-01, -3.32031250e-02, -1.72851562e-01,
         1.89208984e-03, -9.61914062e-02, -8.69140625e-02,  1.53808594e-02,
        -1.13281250e-01,  1.91406250e-01, -4.27246094e-02,  5.83496094e-02,
        -2.57812500e-01,  4.54101562e-02, -2.31933594e-02,  1.08886719e-01,
        -6.50024414e-03,  7.61718750e-02, -1.25976562e-01,  3.71093750e-02,
        -3.65234375e-01,  1.13769531e-01,  1.34765625e-01,  2.36328125e-01,
         1.07421875e-01,  1.56250000e-01,  1.07421875e-01, -5.41992188e-02,
         1.86523438e-01,  4.98046875e-02, -6.73828125e-02,  4.19921875e-02,
        -1.69921875e-01, -1.53320312e-01, -6.78710938e-02, -1.00708008e-02,
         5.00488281e-02,  2.44140625e-01,  4.17480469e-02, -3.61328125e-02,
        -1.72851562e-01,  5.46875000e-02,  1.06445312e-01, -1.35742188e-01,
        -2.33154297e-02, -1.90429688e-01,  3.14941406e-02,  2.39257812e-01,
         1.42578125e-01, -2.17285156e-02,  3.00781250e-01,  6.73828125e-02,
        -7.03125000e-02, -2.21679688e-01, -2.15530396e-04,  1.07421875e-01,
        -8.30078125e-03, -1.18652344e-01,  1.04492188e-01,  1.40625000e-01,
         3.85742188e-02,  2.77099609e-02, -7.22656250e-02, -1.59179688e-01,
        -3.02734375e-01, -1.51367188e-01, -3.37890625e-01, -2.23632812e-01,
        -1.14257812e-01, -4.07714844e-02,  7.66601562e-02,  7.81250000e-02,
        -3.14941406e-02, -2.47070312e-01, -4.02343750e-01, -1.54296875e-01,
         7.66601562e-02, -1.09375000e-01,  3.56445312e-02,  1.37695312e-01,
        -1.07421875e-01,  5.27343750e-02,  1.61132812e-01,  1.04980469e-01,
         2.24304199e-03, -3.02734375e-01, -3.10546875e-01,  1.79687500e-01,
        -3.18359375e-01, -2.97851562e-02,  9.84191895e-04, -2.98828125e-01,
        -5.32226562e-02,  1.17187500e-01, -1.79687500e-01, -1.90429688e-01,
        -1.42578125e-01, -3.29589844e-02, -1.18164062e-01,  4.24804688e-02,
         1.18652344e-01,  5.78613281e-02, -2.27539062e-01, -2.57812500e-01,
        -4.12597656e-02, -2.63671875e-01, -1.32812500e-01, -2.46093750e-01,
         2.12890625e-01,  6.25000000e-02, -1.06933594e-01, -2.24609375e-01,
         1.44042969e-02,  6.50024414e-03, -6.49414062e-02, -1.59179688e-01,
         5.93261719e-02, -3.39843750e-01, -2.01171875e-01, -3.22265625e-02,
        -2.23632812e-01,  3.02734375e-01,  4.61425781e-02,  1.09375000e-01,
         3.51562500e-01,  1.24023438e-01,  1.22070312e-01,  7.47070312e-02,
         1.01074219e-01,  9.76562500e-02, -4.22363281e-02, -1.47460938e-01,
         7.86132812e-02,  2.86865234e-03,  1.72851562e-01, -1.20605469e-01,
        -9.71679688e-02, -6.49414062e-02, -5.93261719e-02,  9.86328125e-02,
         2.55126953e-02,  1.24511719e-01,  1.05468750e-01, -8.10546875e-02,
```

```
         2.61230469e-02, -8.91113281e-03, -5.41992188e-02, -7.95898438e-02,
        -8.39843750e-02,  2.22656250e-01,  9.47265625e-02,  3.06396484e-02,
         1.04003906e-01,  5.34667969e-02, -1.76757812e-01,  3.27148438e-02,
        -6.83593750e-02, -2.47070312e-01, -6.34765625e-02,  2.08007812e-01,
         3.32031250e-02,  1.67968750e-01,  6.25000000e-02, -2.15820312e-01,
        -7.95898438e-02, -1.46484375e-01, -1.58203125e-01, -2.70996094e-02,
         3.49121094e-02, -2.02148438e-01,  2.73437500e-02,  2.25585938e-01,
        -1.33789062e-01,  1.43554688e-01, -7.22656250e-02, -2.89062500e-01,
         6.50024414e-03, -2.55859375e-01, -3.34472656e-02,  1.11328125e-01,
        -7.66601562e-02,  1.04003906e-01,  6.98242188e-02, -1.48437500e-01,
         1.35742188e-01, -5.54199219e-02, -2.48046875e-01,  1.88476562e-01,
        -7.66601562e-02, -1.58203125e-01, -3.39355469e-02,  2.51953125e-01,
        -9.81445312e-02,  3.36914062e-02, -2.89062500e-01,  1.33056641e-02,
         3.71093750e-02, -5.37109375e-02, -1.97265625e-01, -1.24511719e-01,
         1.35742188e-01,  4.05273438e-02, -1.34765625e-01,  1.21582031e-01,
        -1.99218750e-01,  9.17968750e-02,  3.39355469e-02,  2.46093750e-0
1],
       dtype=float32),
 'duties': array([ 0.3203125 ,  0.04858398, -0.03198242, -0.14648438, -0.06
933594,
        -0.11572266,  0.20703125, -0.04492188, -0.125     ,  0.03564453,
         0.43359375, -0.3125    ,  0.07177734,  0.07910156, -0.33398438,
         0.25585938, -0.11914062,  0.08300781,  0.00720215, -0.00361633,
        -0.05883789, -0.37890625,  0.27148438,  0.12792969,  0.06347656,
         0.01287842, -0.03320312, -0.05224609, -0.12890625,  0.35742188,
         0.16210938, -0.296875  ,  0.359375  ,  0.46484375,  0.00369263,
         0.29492188,  0.05053711,  0.08740234,  0.15039062,  0.08251953,
         0.05419922, -0.07763672,  0.0534668 , -0.44921875, -0.18164062,
        -0.13671875, -0.00257874,  0.18359375, -0.04418945,  0.22070312,
        -0.06347656, -0.16601562,  0.29296875,  0.30664062,  0.21777344,
         0.04931641, -0.14550781,  0.13183594, -0.16601562, -0.08105469,
         0.00193787,  0.21679688, -0.32617188,  0.19921875,  0.07714844,
         0.29101562, -0.1484375 , -0.12988281, -0.06933594, -0.13085938,
         0.41015625, -0.04907227,  0.24023438,  0.14160156, -0.01989746,
        -0.28710938,  0.11181641, -0.17382812,  0.05639648, -0.26367188,
        -0.0390625 ,  0.11083984,  0.32226562,  0.19140625,  0.12158203,
        -0.02832031, -0.03564453, -0.06738281,  0.13769531,  0.33789062,
        -0.00848389, -0.24121094,  0.00744629, -0.046875  ,  0.26171875,
        -0.04980469, -0.10888672, -0.11669922,  0.14550781,  0.03930664,
         0.04199219, -0.07861328,  0.02868652,  0.07519531, -0.09667969,
        -0.28710938,  0.0390625 , -0.03930664,  0.27929688,  0.10351562,
         0.26171875, -0.24023438,  0.21679688,  0.23535156,  0.01116943,
         0.12353516, -0.02258301,  0.18847656,  0.2265625 ,  0.08886719,
        -0.21875   ,  0.05517578,  0.14941406,  0.1953125 ,  0.11328125,
         0.04321289, -0.20019531,  0.30664062,  0.18457031, -0.11328125,
        -0.20117188, -0.18066406, -0.28125   ,  0.00408936, -0.16699219,
         0.03173828, -0.40234375,  0.39257812,  0.15722656, -0.15234375,
        -0.14160156,  0.18847656,  0.10888672, -0.19238281,  0.07568359,
        -0.18652344,  0.16113281,  0.05419922,  0.01251221,  0.13378906,
         0.23144531,  0.375     ,  0.22558594,  0.20507812,  0.05566406,
         0.35546875, -0.22558594, -0.20898438, -0.23925781, -0.14160156,
        -0.04858398,  0.33398438,  0.08447266,  0.27539062, -0.2578125 ,
        -0.19824219,  0.00927734,  0.14160156, -0.06689453, -0.11083984,
         0.14355469,  0.00805664, -0.01782227,  0.0559082 ,  0.16015625,
        -0.13183594,  0.07910156, -0.390625  , -0.30273438, -0.02990723,
        -0.34960938,  0.01104736,  0.08203125,  0.15039062, -0.08251953,
         0.37695312,  0.35546875, -0.07763672,  0.27734375,  0.13476562,
        -0.1640625 , -0.08398438,  0.12890625,  0.18261719, -0.25585938,
        -0.01757812,  0.05395508, -0.13574219,  0.18457031, -0.03051758,
        -0.23144531,  0.08935547, -0.17773438, -0.10009766,  0.18847656,
        -0.02246094,  0.01708984, -0.22460938,  0.22460938,  0.2734375 ,
        -0.10644531, -0.40429688, -0.14648438, -0.00108337, -0.38085938,
        -0.24023438, -0.02026367,  0.03759766, -0.19921875, -0.546875  ,
         0.03930664,  0.02099609, -0.00823975, -0.02087402,  0.03662109,
```

```
        -0.16601562, -0.25390625,  0.02709961,  0.12695312,  0.28125   ,
         0.09375   , -0.15820312, -0.07763672,  0.17578125,  0.06298828,
        -0.01733398, -0.15039062, -0.08837891, -0.27148438, -0.00698853,
        -0.27148438,  0.20117188,  0.31445312, -0.33398438, -0.05395508,
        -0.07861328,  0.02319336, -0.46289062,  0.02563477, -0.5546875 ,
        -0.04370117,  0.17773438, -0.07421875, -0.20507812, -0.17578125,
        -0.05859375,  0.03295898,  0.26171875,  0.03833008,  0.203125  ,
         0.33984375,  0.16992188,  0.13183594,  0.27539062,  0.28515625,
         0.00198364, -0.00698853,  0.06738281, -0.16113281,  0.00842285,
         0.12695312, -0.34375   ,  0.10107422,  0.20898438,  0.13964844,
        -0.07958984, -0.02270508,  0.06689453, -0.03417969,  0.21679688,
         0.09619141, -0.00164795,  0.140625  ,  0.40429688,  0.37109375,
         0.31445312, -0.22167969, -0.10742188,  0.29296875,  0.00823975,
        -0.02807617, -0.34375   , -0.0100708 , -0.25      , -0.20019531,
         0.10546875,  0.12597656, -0.11328125, -0.09277344, -0.16113281],
       dtype=float32),
 'responsibilities': array([ 1.35742188e-01,  5.24902344e-02,  4.07714844e-
02, -3.55529785e-03,
        -1.02050781e-01, -2.24609375e-01,  1.60156250e-01, -2.97851562e-02,
        -7.61718750e-02,  4.00390625e-02,  1.43554688e-01, -4.32128906e-02,
         1.25976562e-01,  9.71679688e-02, -3.28125000e-01,  7.61718750e-02,
        -1.39648438e-01,  3.80859375e-02,  1.44531250e-01, -5.32226562e-02,
        -1.45507812e-01, -2.61718750e-01,  4.06250000e-01,  4.57031250e-01,
         2.81250000e-01,  1.65039062e-01,  3.44238281e-02,  3.05175781e-02,
        -1.19628906e-01,  9.91210938e-02,  1.79687500e-01, -1.00097656e-01,
         2.96875000e-01,  4.25781250e-01,  2.99072266e-02,  2.51953125e-01,
         3.39843750e-01,  2.18750000e-01,  1.32812500e-01,  1.53320312e-01,
        -3.22265625e-02,  1.62109375e-01, -1.99218750e-01, -2.50000000e-01,
        -2.98828125e-01, -2.43164062e-01, -1.15234375e-01,  2.16796875e-01,
        -1.15722656e-01, -2.57812500e-01, -1.75781250e-01, -1.05468750e-01,
         2.57812500e-01,  1.95312500e-01,  1.75781250e-01, -1.56250000e-02,
         1.75781250e-02,  2.22167969e-02, -2.02148438e-01, -1.31835938e-01,
        -1.96289062e-01,  3.24218750e-01, -2.04101562e-01,  1.87500000e-01,
         8.44726562e-02,  2.31742859e-04,  4.56542969e-02,  8.93554688e-02,
        -1.64062500e-01, -2.28515625e-01,  2.77343750e-01,  5.61523438e-02,
         2.08007812e-01,  1.10839844e-01,  7.42187500e-02, -2.01171875e-01,
         6.34765625e-02,  1.45507812e-01,  1.20605469e-01, -2.46582031e-02,
         1.17187500e-01,  3.51562500e-01,  6.83593750e-02,  8.59375000e-02,
         6.39648438e-02, -7.47070312e-02, -1.10351562e-01, -3.26171875e-01,
         1.83593750e-01,  1.50390625e-01,  2.37304688e-01, -2.48046875e-01,
        -1.07421875e-01, -1.23046875e-01,  2.08740234e-02, -1.30859375e-01,
         2.56347656e-02, -1.77734375e-01,  7.17773438e-02,  5.02929688e-02,
        -1.66992188e-01, -1.74804688e-01, -1.94091797e-02,  3.02734375e-01,
         6.83593750e-02, -2.24609375e-01, -9.81445312e-02, -7.08007812e-02,
         1.65039062e-01,  2.02148438e-01, -2.64892578e-02, -2.57812500e-01,
         1.82617188e-01,  8.00781250e-02,  6.44531250e-02, -2.97546387e-03,
         9.91210938e-02,  3.61328125e-01,  1.92382812e-01, -1.18652344e-01,
        -3.92578125e-01, -9.81445312e-02,  1.64062500e-01,  4.00390625e-01,
        -4.90722656e-02,  3.83300781e-02, -1.54296875e-01,  4.41406250e-01,
         2.79296875e-01,  1.63085938e-01, -1.14746094e-01,  7.99560547e-03,
        -3.69140625e-01,  5.37109375e-02, -1.70898438e-01, -4.02832031e-03,
        -3.84765625e-01,  3.92578125e-01,  2.43164062e-01, -5.15136719e-02,
        -1.51367188e-01,  3.76953125e-01,  9.15527344e-03, -2.57812500e-01,
        -5.85937500e-03, -1.26953125e-01,  1.64062500e-01,  9.37500000e-02,
         1.04003906e-01, -4.46777344e-02,  5.61523438e-02,  3.28125000e-01,
        -3.71093750e-02,  1.92382812e-01, -9.37500000e-02,  2.71484375e-01,
        -2.37304688e-01, -2.89062500e-01, -1.99218750e-01, -1.11816406e-01,
         1.99218750e-01,  2.45117188e-01,  1.04003906e-01,  2.41210938e-01,
        -2.15820312e-01, -1.01562500e-01, -6.68945312e-02,  1.05468750e-01,
        -3.97949219e-02, -8.97216797e-03,  1.63085938e-01, -4.44335938e-02,
         6.93359375e-02,  6.22558594e-02,  3.37890625e-01, -1.01074219e-01,
         1.35742188e-01, -2.38281250e-01, -3.18359375e-01, -4.19921875e-02,
        -3.63281250e-01,  1.19628906e-02, -8.10546875e-02, -1.18164062e-01,
        -1.40625000e-01,  2.51953125e-01,  1.79687500e-01,  1.58691406e-02,
```

```
         7.91015625e-02,  3.00781250e-01, -9.47265625e-02, -2.59765625e-01,
        -2.13623047e-02,  2.35351562e-01, -2.08007812e-01,  4.41894531e-02,
         5.12695312e-03, -2.75878906e-02,  3.30078125e-01, -3.45703125e-01,
        -2.53906250e-01,  3.04687500e-01, -1.30859375e-01, -2.67578125e-01,
        -7.56835938e-02, -8.25195312e-02, -8.88671875e-02, -2.48046875e-01,
         1.77734375e-01,  1.08398438e-01, -6.59179688e-02, -5.88378906e-02,
        -6.44531250e-02, -5.61523438e-02, -2.85156250e-01, -2.36328125e-01,
         1.10473633e-02,  2.14843750e-01, -1.68945312e-01, -3.96484375e-01,
         1.37939453e-02,  1.56250000e-01, -3.36914062e-02, -1.75781250e-01,
        -6.78710938e-02, -4.10156250e-01,  1.30004883e-02, -2.05078125e-01,
         6.44531250e-02,  1.71875000e-01, -6.88476562e-02, -8.34960938e-02,
        -6.54296875e-02,  2.08740234e-02,  2.03125000e-01, -5.63964844e-02,
        -9.71679688e-02, -1.26953125e-01, -2.53906250e-01,  6.93359375e-02,
        -3.86718750e-01, -2.83203125e-02,  1.91406250e-01, -2.96875000e-01,
         1.25122070e-02, -6.54296875e-02,  7.91015625e-02, -1.61132812e-01,
        -3.24707031e-02, -2.51953125e-01, -1.00585938e-01,  2.35351562e-01,
        -2.07031250e-01, -1.06445312e-01, -1.19628906e-01, -1.39648438e-01,
         1.02539062e-01,  1.18652344e-01, -5.88378906e-02,  1.96289062e-01,
         1.71875000e-01,  7.03125000e-02,  4.37011719e-02,  2.06054688e-01,
         2.91015625e-01,  2.63671875e-01, -9.32617188e-02,  2.22656250e-01,
        -6.44531250e-01, -7.86132812e-02, -5.85937500e-02, -2.29492188e-01,
         2.22656250e-01,  1.95312500e-01,  2.24609375e-02, -7.51953125e-02,
         3.39355469e-02,  1.95312500e-01, -1.23901367e-02,  7.71484375e-02,
        -1.43432617e-02, -1.03515625e-01,  8.74023438e-02,  3.24218750e-01,
         2.03125000e-01,  3.26171875e-01,  2.39562988e-03,  1.01562500e-01,
         3.43750000e-01,  1.28906250e-01, -1.43554688e-01, -1.16210938e-01,
        -1.17187500e-01, -2.55859375e-01, -3.04687500e-01,  1.54296875e-01,
         1.51367188e-01,  6.92749023e-03,  4.61425781e-02, -1.58203125e-0
1],
       dtype=float32),
 'function': array([ 0.12792969, -0.10839844, -0.13476562,  0.07568359, -0.
25585938,
        -0.12402344,  0.13183594, -0.11767578, -0.08154297, -0.1015625 ,
        -0.08398438, -0.13769531,  0.00512695,  0.10400391, -0.0088501 ,
         0.14453125,  0.22949219,  0.03588867, -0.09619141, -0.23242188,
         0.16894531,  0.00183105, -0.34179688,  0.18164062,  0.03930664,
        -0.08789062, -0.234375  ,  0.10693359,  0.07666016, -0.19140625,
        -0.06079102, -0.21386719,  0.02539062,  0.22167969, -0.00762939,
         0.11035156,  0.01757812, -0.02441406,  0.03491211, -0.02636719,
        -0.078125  ,  0.16015625,  0.14941406,  0.24804688,  0.12451172,
        -0.2421875 , -0.16894531,  0.03857422, -0.29492188,  0.18261719,
        -0.07519531, -0.234375  ,  0.25585938, -0.09277344,  0.23535156,
        -0.125     , -0.25390625, -0.23925781,  0.06689453, -0.02746582,
        -0.07226562,  0.18847656, -0.07763672, -0.03491211,  0.00302124,
         0.06396484, -0.19335938,  0.26367188,  0.04443359, -0.15429688,
         0.17675781, -0.08447266,  0.24414062, -0.24902344, -0.15039062,
        -0.484375  ,  0.11669922, -0.03588867, -0.02502441,  0.02600098,
         0.04541016, -0.09375   ,  0.20703125,  0.15625   , -0.10742188,
         0.11474609,  0.09912109,  0.04858398, -0.11376953,  0.26953125,
        -0.01141357, -0.18554688, -0.06347656,  0.02709961,  0.10644531,
         0.07666016,  0.13183594, -0.04907227,  0.02587891,  0.03540039,
        -0.06176758,  0.06640625,  0.06738281,  0.01806641,  0.17578125,
        -0.01092529, -0.21777344,  0.1796875 ,  0.13476562,  0.06640625,
        -0.17382812, -0.27539062, -0.0234375 , -0.05493164,  0.18457031,
         0.06884766,  0.04589844, -0.22558594,  0.00921631,  0.01531982,
         0.0222168 , -0.0016861 ,  0.13476562, -0.0559082 ,  0.09570312,
         0.19335938,  0.00592041,  0.34375   ,  0.35546875, -0.00540161,
         0.16601562, -0.11230469,  0.00723267, -0.07861328,  0.02441406,
        -0.17578125,  0.04150391,  0.2578125 , -0.06689453, -0.25976562,
         0.24121094, -0.25195312, -0.00674438, -0.22363281, -0.02038574,
        -0.21582031,  0.07226562,  0.04541016,  0.00866699,  0.11474609,
        -0.17382812,  0.04101562, -0.06689453,  0.27539062,  0.12792969,
        -0.19726562, -0.26171875, -0.07910156, -0.17285156, -0.27929688,
         0.12695312, -0.00148773, -0.02905273,  0.19726562,  0.01794434,
```

```
        -0.26757812, -0.0201416 , -0.17089844,  0.13378906,  0.01025391,
        -0.24511719, -0.01367188, -0.14160156,  0.1015625 ,  0.1640625 ,
        -0.10791016,  0.36132812, -0.3515625 , -0.0625    ,  0.02539062,
        -0.02319336,  0.28125   , -0.171875  , -0.16992188,  0.11865234,
         0.28515625,  0.16503906, -0.19824219, -0.06030273, -0.12451172,
        -0.18164062, -0.09472656, -0.15332031, -0.05126953, -0.31445312,
        -0.12988281, -0.04785156, -0.0534668 ,  0.328125  , -0.0291748 ,
         0.02636719,  0.07128906, -0.19824219, -0.23925781,  0.23242188,
        -0.21289062,  0.04052734, -0.10302734,  0.11181641, -0.17675781,
        -0.09570312, -0.18554688, -0.27148438, -0.10400391, -0.125     ,
        -0.13964844,  0.21972656, -0.01867676, -0.31835938,  0.00100708,
        -0.01086426,  0.03540039, -0.17382812, -0.14355469, -0.17382812,
         0.04663086,  0.00202942,  0.03125   , -0.11962891,  0.24121094,
         0.08789062, -0.08691406, -0.04125977, -0.00131989,  0.12255859,
        -0.13476562, -0.22265625,  0.06347656, -0.10400391,  0.19726562,
        -0.06103516, -0.02868652,  0.05786133, -0.07910156, -0.00497437,
        -0.03393555, -0.07421875,  0.06982422,  0.30664062, -0.14648438,
         0.02893066,  0.06542969,  0.00692749, -0.12597656,  0.00072861,
        -0.08740234, -0.00344849,  0.11279297, -0.09423828,  0.04980469,
         0.13867188, -0.11425781,  0.06176758, -0.03076172,  0.07177734,
         0.10058594,  0.2421875 , -0.00302124, -0.14746094, -0.02160645,
         0.02832031, -0.17773438, -0.03637695, -0.09521484, -0.05078125,
        -0.33789062,  0.13964844, -0.08056641, -0.13867188,  0.10546875,
        -0.02197266,  0.03076172,  0.14355469,  0.00592041,  0.1875    ,
        -0.05493164,  0.08789062, -0.16796875,  0.08105469,  0.12695312,
        -0.07324219,  0.12695312,  0.01104736,  0.05126953, -0.14453125,
         0.19921875, -0.22753906, -0.00585938, -0.08105469,  0.00187683],
       dtype=float32),
 'include': array([-0.20605469, -0.06689453,  0.12060547,  0.01281738,  0.0
4541016,
         0.00135803,  0.15527344,  0.20410156, -0.03564453, -0.02160645,
        -0.00491333,  0.04296875, -0.09375   ,  0.23242188,  0.18847656,
         0.11962891,  0.09130859, -0.04760742, -0.07568359,  0.09570312,
        -0.18945312, -0.10400391, -0.32617188,  0.45507812,  0.04248047,
         0.07958984, -0.17773438,  0.00747681, -0.00210571, -0.05224609,
        -0.03393555, -0.19726562, -0.03344727,  0.2109375 ,  0.02648926,
        -0.07519531,  0.17480469,  0.07568359,  0.06933594, -0.00732422,
         0.35351562,  0.18359375,  0.06738281,  0.16308594, -0.17675781,
        -0.39648438, -0.08300781, -0.09765625,  0.03320312,  0.07714844,
        -0.10595703,  0.13378906, -0.15625   , -0.15234375, -0.09521484,
         0.06787109, -0.1484375 ,  0.19238281,  0.32617188,  0.10351562,
        -0.0534668 ,  0.046875  ,  0.0625    ,  0.04370117,  0.19042969,
        -0.12890625, -0.19824219,  0.25195312, -0.10351562,  0.234375  ,
        -0.00994873,  0.12402344,  0.33984375,  0.2734375 , -0.20800781,
        -0.07421875,  0.140625  ,  0.20410156, -0.10058594,  0.04711914,
         0.04541016, -0.16503906,  0.08837891,  0.0246582 ,  0.22851562,
         0.06005859, -0.20214844, -0.18945312, -0.12890625, -0.13574219,
         0.07763672,  0.03393555,  0.02294922,  0.02539062,  0.24023438,
        -0.17578125,  0.09130859, -0.00762939, -0.20117188,  0.03833008,
         0.08984375,  0.04272461, -0.10253906, -0.03295898, -0.11425781,
        -0.12695312,  0.07128906,  0.09570312, -0.03930664,  0.24316406,
        -0.17773438,  0.04907227, -0.02441406, -0.18554688,  0.01196289,
        -0.08984375, -0.09228516,  0.03344727,  0.27929688, -0.0703125 ,
         0.09912109,  0.109375  ,  0.04492188,  0.22949219,  0.27539062,
        -0.09423828, -0.18652344,  0.09765625,  0.17578125,  0.10498047,
         0.265625  , -0.15429688,  0.1015625 , -0.01306152, -0.11181641,
         0.11083984,  0.17089844, -0.09423828,  0.25195312,  0.04760742,
        -0.04150391,  0.10986328,  0.00485229,  0.07080078,  0.1640625 ,
        -0.17675781,  0.26757812, -0.03662109, -0.02990723,  0.19824219,
         0.09667969,  0.05297852,  0.08154297, -0.13964844, -0.06738281,
        -0.25      , -0.13574219, -0.11669922, -0.02172852,  0.06494141,
         0.296875  ,  0.09375   , -0.06201172, -0.06494141,  0.15722656,
         0.11181641,  0.23242188, -0.01965332, -0.14257812, -0.18261719,
        -0.14941406, -0.34960938, -0.00509644, -0.20019531, -0.11523438,
```

```
        -0.09863281, -0.04296875,  0.171875  ,  0.00219727,  0.16503906,
        -0.375     , -0.08154297, -0.03466797,  0.15625   , -0.34570312,
         0.29296875,  0.01831055,  0.00317383, -0.00250244,  0.02294922,
         0.046875  , -0.16308594,  0.22070312, -0.08886719, -0.27929688,
         0.19824219,  0.09472656, -0.3046875 ,  0.09570312, -0.4453125 ,
         0.35351562, -0.11572266, -0.20703125, -0.03955078, -0.15136719,
         0.23046875,  0.00112915,  0.0300293 , -0.13964844,  0.11035156,
        -0.05395508, -0.24902344,  0.15234375,  0.18554688,  0.08203125,
        -0.04150391,  0.3046875 , -0.18847656, -0.1875    , -0.14257812,
        -0.15527344, -0.09619141, -0.21484375, -0.17089844,  0.11328125,
         0.05664062, -0.21679688,  0.03564453,  0.13964844, -0.04833984,
         0.29882812,  0.03320312, -0.05224609,  0.37304688, -0.03735352,
         0.11083984,  0.20507812, -0.17675781,  0.05419922, -0.1328125 ,
        -0.07177734,  0.15917969,  0.140625  ,  0.21777344,  0.10546875,
         0.13671875, -0.19433594,  0.17089844, -0.14941406, -0.296875  ,
        -0.17675781,  0.28515625, -0.03039551,  0.00491333, -0.15527344,
         0.09814453, -0.15917969,  0.12890625, -0.1953125 , -0.03173828,
         0.07958984,  0.01940918,  0.02160645,  0.12988281, -0.01733398,
         0.09423828, -0.0559082 ,  0.03320312,  0.03442383, -0.19726562,
        -0.18359375, -0.09375   ,  0.10058594, -0.00738525,  0.375     ,
        -0.29101562, -0.11669922, -0.33789062, -0.05786133, -0.04614258,
         0.15039062, -0.02478027, -0.09960938,  0.05859375, -0.02075195,
         0.2109375 , -0.1484375 , -0.12792969, -0.01300049, -0.04394531,
         0.1875    , -0.11181641,  0.1640625 , -0.06079102,  0.16992188,
        -0.17578125,  0.13574219, -0.046875  ,  0.06738281,  0.01159668],
       dtype=float32),
 'limited': array([ 6.73828125e-02, -3.68652344e-02, -2.77343750e-01,  2.08
984375e-01,
        -8.64257812e-02,  1.74804688e-01,  7.32421875e-02, -2.09960938e-01,
         2.17773438e-01, -1.01074219e-01, -6.25000000e-02, -5.39550781e-02,
        -3.32031250e-02, -1.19140625e-01, -5.81054688e-02, -3.35693359e-03,
         2.40234375e-01,  3.71093750e-02,  8.49609375e-02,  6.98242188e-02,
        -2.50000000e-01, -1.49414062e-01, -3.12500000e-01,  2.91015625e-01,
        -1.58203125e-01, -1.92871094e-02, -1.25976562e-01,  1.55273438e-01,
         2.29492188e-02, -2.70996094e-02,  3.80859375e-02, -2.27050781e-02,
         5.00488281e-02,  1.22558594e-01, -1.34765625e-01, -4.56542969e-02,
        -7.22656250e-02, -1.62109375e-01,  9.76562500e-02,  8.34960938e-02,
         2.67578125e-01,  3.10546875e-01,  1.65039062e-01,  2.96875000e-01,
         3.88183594e-02,  3.56445312e-02, -6.68945312e-02,  1.57165527e-03,
         5.22460938e-02, -3.63281250e-01,  4.49218750e-02, -1.00097656e-01,
        -2.28515625e-01,  1.26953125e-01, -3.73535156e-02, -2.34985352e-03,
        -2.75878906e-02, -2.15820312e-01,  2.40234375e-01, -1.19628906e-01,
        -1.71875000e-01,  1.77734375e-01,  4.80957031e-02, -2.13867188e-01,
         1.22070312e-01, -5.12695312e-02,  7.42187500e-02,  1.66992188e-01,
         3.44848633e-03,  6.05468750e-02,  4.76074219e-02, -4.58984375e-02,
        -1.30859375e-01,  2.18750000e-01, -1.85546875e-01, -8.83789062e-02,
         9.22851562e-02, -6.80541992e-03, -1.20605469e-01,  9.57031250e-02,
        -1.09252930e-02, -1.40625000e-01, -4.71191406e-02,  5.90820312e-02,
        -6.88476562e-02, -7.95898438e-02, -2.34375000e-01,  1.44531250e-01,
         1.55273438e-01,  1.25122070e-02,  8.64257812e-02, -4.56542969e-02,
        -2.16064453e-02,  3.18908691e-03,  3.43750000e-01,  1.41601562e-01,
        -2.30712891e-02, -2.74658203e-02, -2.45117188e-01,  2.42187500e-01,
         1.10351562e-01, -4.15039062e-02, -1.41601562e-01, -1.13769531e-01,
        -7.95898438e-02,  3.01513672e-02,  1.35742188e-01, -7.81250000e-02,
         1.26953125e-01, -5.83496094e-02,  1.02539062e-01,  5.83496094e-02,
        -1.00585938e-01, -1.23535156e-01,  1.51367188e-01, -9.27734375e-02,
         2.57812500e-01, -4.05273438e-02,  3.37890625e-01,  1.81640625e-01,
         3.36914062e-02,  4.51660156e-02,  9.47265625e-02,  3.14453125e-01,
        -1.50390625e-01, -6.78710938e-02, -1.14257812e-01,  5.70678711e-03,
         8.20312500e-02, -1.24023438e-01,  2.24609375e-01, -9.58251953e-03,
        -1.21582031e-01,  1.63085938e-01, -2.99072266e-02, -1.56250000e-01,
        -6.10351562e-02,  1.94335938e-01,  8.30078125e-02, -1.86523438e-01,
        -1.35742188e-01,  1.96289062e-01,  1.85546875e-01,  5.76171875e-02,
        -9.17968750e-02, -2.50000000e-01,  2.80761719e-02, -7.17773438e-02,
```

```
        -1.79687500e-01,  1.04980469e-01,  2.47070312e-01,  5.95703125e-02,
         1.34765625e-01, -3.49121094e-02,  2.00195312e-01,  1.96289062e-01,
         7.76367188e-02, -1.09863281e-01, -3.78906250e-01,  9.71679688e-02,
         1.41601562e-01,  6.78710938e-02,  1.16699219e-01, -6.54296875e-02,
         6.93359375e-02, -3.83300781e-02, -2.75878906e-02,  1.37695312e-01,
         5.15136719e-02, -4.53125000e-01, -3.41796875e-01, -1.24023438e-01,
         2.07519531e-02, -6.34765625e-02,  1.78710938e-01,  4.33349609e-03,
         6.81877136e-05, -2.92968750e-01, -2.63671875e-01, -1.84570312e-01,
        -9.76562500e-02, -3.25012207e-03,  6.64062500e-02,  2.41210938e-01,
        -2.16796875e-01,  3.85742188e-02,  2.10937500e-01, -4.36782837e-04,
        -1.34765625e-01,  2.50000000e-01, -1.44531250e-01, -1.42578125e-01,
        -1.05468750e-01, -5.46875000e-02, -2.08984375e-01,  4.24194336e-03,
         1.78222656e-02, -3.41796875e-01,  2.39257812e-02, -1.66015625e-01,
         1.73339844e-02,  1.28906250e-01,  1.66015625e-01, -4.56542969e-02,
         1.46484375e-02, -1.07421875e-01,  5.03540039e-03,  6.93359375e-02,
        -3.02734375e-01,  7.56835938e-02, -1.67968750e-01, -3.29589844e-02,
         9.22851562e-02,  6.44531250e-02,  7.81250000e-02, -1.74560547e-02,
         2.16796875e-01, -2.30468750e-01, -2.67578125e-01, -6.10351562e-04,
         2.92968750e-02,  1.48315430e-02, -1.29882812e-01, -1.72851562e-01,
         2.29492188e-02, -7.37304688e-02,  1.05468750e-01,  6.25000000e-02,
         1.31835938e-02,  1.32812500e-01, -1.25122070e-03,  3.95507812e-02,
         2.47070312e-01,  1.84570312e-01, -1.29882812e-01, -2.09960938e-02,
         1.45507812e-01, -2.08984375e-01, -1.22070312e-01,  2.85644531e-02,
        -5.06591797e-03,  7.56835938e-02,  5.15136719e-02, -2.75390625e-01,
         5.73730469e-02,  9.03320312e-03, -9.76562500e-02, -4.44335938e-02,
         1.05468750e-01, -7.12890625e-02, -1.17187500e-01,  7.22656250e-02,
         1.21582031e-01,  8.59375000e-02,  9.22851562e-02,  5.34667969e-02,
         6.73828125e-02,  9.66796875e-02, -1.72851562e-01, -2.81982422e-02,
        -1.58203125e-01,  4.29687500e-02, -2.19726562e-01, -3.93066406e-02,
         3.66210938e-02, -2.18200684e-03, -1.50756836e-02, -7.71484375e-02,
        -5.24902344e-02, -2.85156250e-01, -2.38037109e-02,  2.61718750e-01,
         1.31835938e-01, -2.34375000e-02,  1.21582031e-01, -9.42382812e-02,
         1.25122070e-03, -1.62109375e-01, -5.41992188e-02, -4.33349609e-03,
        -4.37011719e-02,  1.74804688e-01,  2.13867188e-01, -2.15820312e-01,
        -5.76171875e-02,  1.53320312e-01, -4.46777344e-02,  1.59179688e-01,
        -6.68945312e-02,  1.89208984e-02,  1.07910156e-01,  3.54003906e-02,
         1.72119141e-02, -5.41992188e-02,  9.17968750e-02,  7.37304688e-02,
        -2.12402344e-02,  4.66918945e-03, -1.13769531e-01, -1.98242188e-0
1],
       dtype=float32),
 'following': array([-0.00698853, -0.01177979,  0.19335938, -0.17089844,
0.04980469,
        -0.04956055, -0.19238281, -0.0859375 ,  0.15136719,  0.12695312,
        -0.05175781, -0.07910156, -0.03515625,  0.24414062, -0.07128906,
        -0.19238281,  0.15039062, -0.06542969,  0.12988281, -0.05688477,
         0.10107422,  0.02331543, -0.15136719,  0.10595703,  0.00393677,
         0.06054688,  0.08251953,  0.22265625,  0.20898438,  0.234375  ,
         0.13476562, -0.21972656,  0.00878906,  0.09912109, -0.17871094,
        -0.00367737,  0.06982422, -0.13085938,  0.10693359,  0.05712891,
         0.00476074, -0.18945312,  0.05932617,  0.00062561,  0.140625  ,
        -0.02087402, -0.06298828, -0.13378906,  0.06396484, -0.09521484,
        -0.07568359,  0.00488281, -0.11865234,  0.22167969, -0.00185394,
         0.20019531, -0.05419922, -0.01879883,  0.10205078, -0.09960938,
        -0.19921875, -0.05419922, -0.00762939, -0.04101562, -0.0201416 ,
         0.02929688, -0.02282715,  0.09667969,  0.140625  , -0.09033203,
        -0.01843262, -0.14160156,  0.18164062,  0.07421875, -0.04980469,
         0.02197266,  0.01373291,  0.06835938, -0.04003906,  0.10546875,
         0.00692749,  0.05639648,  0.03808594, -0.09277344,  0.05615234,
        -0.20703125, -0.11523438,  0.03417969, -0.06591797, -0.00358582,
         0.1875    ,  0.16894531,  0.06542969, -0.09814453,  0.06933594,
        -0.15429688, -0.1328125 , -0.19628906,  0.078125  ,  0.12792969,
         0.22460938, -0.05004883,  0.13671875, -0.02844238, -0.10546875,
        -0.24414062, -0.09326172, -0.09130859, -0.0703125 , -0.06103516,
        -0.12402344,  0.06396484,  0.0201416 , -0.22753906,  0.05322266,
```

```
         0.10888672, -0.08935547,  0.0480957 ,  0.27929688,  0.27539062,
        -0.14648438, -0.04150391, -0.08837891, -0.125     ,  0.05834961,
         0.00872803, -0.07714844, -0.23828125,  0.02526855,  0.22167969,
         0.04736328, -0.17871094, -0.14257812,  0.00662231, -0.09570312,
        -0.203125  , -0.07958984, -0.06225586,  0.02990723,  0.08300781,
        -0.00848389,  0.0625    , -0.01184082,  0.03710938, -0.0625    ,
         0.11816406, -0.00787354, -0.14746094, -0.18164062,  0.06689453,
         0.07226562,  0.0402832 , -0.00622559,  0.0133667 ,  0.00674438,
        -0.10986328,  0.04760742,  0.1015625 ,  0.10205078,  0.12402344,
         0.06591797,  0.06030273,  0.012146  ,  0.01928711,  0.12060547,
        -0.16503906,  0.04907227,  0.0213623 , -0.09326172,  0.01031494,
        -0.10058594, -0.15039062, -0.18554688, -0.02429199, -0.05029297,
        -0.16699219, -0.00473022,  0.07958984,  0.10595703,  0.05102539,
         0.06884766, -0.06640625, -0.05004883,  0.23925781,  0.06298828,
         0.11083984, -0.09082031, -0.00848389,  0.26953125, -0.01586914,
         0.07177734, -0.015625  ,  0.11865234, -0.08837891, -0.2109375 ,
        -0.00958252,  0.0625    ,  0.00799561, -0.00360107, -0.11425781,
        -0.02893066, -0.01757812, -0.05908203, -0.0025177 ,  0.09521484,
        -0.10400391, -0.05932617,  0.07470703,  0.26367188, -0.07226562,
        -0.07861328,  0.19238281,  0.17871094,  0.02246094, -0.08789062,
        -0.06005859,  0.03271484, -0.03930664, -0.18164062,  0.10253906,
         0.22167969,  0.12109375, -0.04956055,  0.03369141,  0.22949219,
        -0.08105469, -0.00576782, -0.22949219,  0.21484375, -0.08447266,
         0.12988281,  0.07177734,  0.02612305,  0.10986328, -0.06347656,
        -0.0456543 ,  0.1796875 ,  0.03564453,  0.11523438,  0.08691406,
        -0.17675781,  0.04418945,  0.00369263, -0.015625  ,  0.07275391,
        -0.04956055, -0.00046158,  0.12402344,  0.11376953, -0.06640625,
        -0.04492188,  0.15722656, -0.02258301, -0.04492188,  0.12158203,
         0.06933594,  0.16308594,  0.11083984, -0.01171875,  0.08300781,
         0.05615234,  0.12158203,  0.17871094,  0.12695312,  0.14453125,
         0.07958984,  0.04614258,  0.03955078,  0.07226562,  0.01635742,
         0.08691406, -0.00756836,  0.04150391,  0.00051117,  0.16113281,
        -0.10693359,  0.03442383,  0.0402832 ,  0.09765625, -0.0279541 ,
         0.07861328, -0.02575684, -0.15917969,  0.09033203, -0.09960938,
         0.10742188, -0.11181641,  0.06347656, -0.11181641,  0.0177002 ,
        -0.13769531, -0.05200195,  0.00457764,  0.05639648,  0.15625   ,
        -0.24121094,  0.0133667 ,  0.01794434,  0.05322266, -0.01556396],
       dtype=float32),
 'supervisory': array([-3.45703125e-01, -2.77343750e-01, -4.80957031e-02, -
5.34057617e-03,
         1.15966797e-02, -1.60156250e-01,  1.00585938e-01, -9.66796875e-02,
        -3.56445312e-02, -2.55859375e-01,  7.56835938e-02, -7.42187500e-02,
        -8.30078125e-02,  8.30078125e-02, -9.08203125e-02,  1.89453125e-01,
        -6.98242188e-02, -5.18798828e-03, -2.08984375e-01, -1.97265625e-01,
        -2.77709961e-03, -2.22656250e-01,  1.39648438e-01,  8.74023438e-02,
         4.78515625e-02, -3.36914062e-02, -8.69140625e-02,  6.25000000e-02,
        -2.20947266e-02,  1.14257812e-01,  7.42187500e-02, -2.65625000e-01,
         9.32617188e-02,  1.40625000e-01, -3.88183594e-02, -4.92187500e-01,
         4.06250000e-01,  2.77343750e-01,  1.28906250e-01,  9.13085938e-02,
        -8.69140625e-02, -1.65039062e-01,  2.28271484e-02, -2.11914062e-01,
        -3.06640625e-01, -4.80468750e-01, -2.08984375e-01, -8.30078125e-03,
        -1.56250000e-01, -1.63574219e-02, -6.34765625e-02, -7.42187500e-02,
         1.39648438e-01,  3.04687500e-01, -1.17187500e-01,  1.47460938e-01,
         6.78710938e-02, -1.23046875e-01,  1.09252930e-02, -3.66210938e-02,
        -2.65625000e-01,  8.44726562e-02, -1.38671875e-01,  1.59179688e-01,
         3.18908691e-03,  2.51953125e-01, -2.20703125e-01,  2.92968750e-01,
        -9.17968750e-02, -3.12500000e-02,  1.68945312e-01,  2.95410156e-02,
         1.75781250e-01,  4.43359375e-01, -6.64062500e-02, -3.36914062e-02,
         1.14257812e-01, -7.95898438e-02,  2.94921875e-01, -3.02734375e-01,
         2.81982422e-02,  1.08642578e-02,  2.03125000e-01,  2.08007812e-01,
        -4.11987305e-04,  1.67968750e-01, -3.73535156e-02, -3.33984375e-01,
         9.37500000e-02, -7.87353516e-03,  3.28125000e-01, -1.86523438e-01,
        -2.61718750e-01,  2.98828125e-01,  9.37500000e-02, -1.56250000e-01,
         1.36718750e-01, -8.34960938e-02, -2.46582031e-02, -1.88476562e-01,
```

```
         1.62109375e-01,  6.20117188e-02,  1.11816406e-01,  6.34765625e-02,
         2.23632812e-01, -2.30468750e-01, -3.30078125e-01, -6.05468750e-02,
         1.68945312e-01, -5.78613281e-02,  6.16455078e-03, -1.05957031e-01,
        -3.18359375e-01, -2.81250000e-01,  7.12890625e-02,  9.91210938e-02,
         6.73828125e-02,  4.51171875e-01,  2.55859375e-01, -5.44433594e-02,
        -1.62109375e-01,  1.79443359e-02, -1.43554688e-01,  1.12792969e-01,
         1.94335938e-01, -2.28515625e-01,  3.86047363e-03, -7.08007812e-02,
         4.63867188e-03,  3.68652344e-02, -1.22558594e-01,  3.68652344e-02,
        -1.45507812e-01, -3.73535156e-02,  3.86047363e-03, -2.61718750e-01,
        -2.12890625e-01, -6.88476562e-02,  1.13769531e-01, -1.15722656e-01,
         1.65039062e-01,  8.25195312e-02, -2.24609375e-01, -1.67968750e-01,
        -2.81250000e-01,  2.19726562e-01, -1.15356445e-02,  3.67187500e-01,
         2.70996094e-02,  8.25195312e-02, -1.38671875e-01,  1.39648438e-01,
        -9.08203125e-02,  3.41796875e-01,  2.08007812e-01,  2.09960938e-01,
        -2.75390625e-01, -7.51953125e-02,  3.53515625e-01,  1.83593750e-01,
         6.73828125e-02, -1.05468750e-01, -3.37890625e-01,  1.88476562e-01,
        -1.63574219e-02,  1.52343750e-01,  1.15722656e-01, -1.32812500e-01,
         1.81640625e-01,  1.64062500e-01, -8.00781250e-02,  6.98242188e-02,
        -2.35595703e-02, -8.39843750e-02,  1.55273438e-01, -1.40625000e-01,
        -1.79443359e-02, -1.04980469e-01, -1.63085938e-01, -1.70898438e-01,
        -1.18164062e-01, -2.17773438e-01,  1.98974609e-02, -1.08398438e-01,
        -9.27734375e-03,  1.07910156e-01,  1.72851562e-01, -9.96093750e-02,
         1.29882812e-01,  1.23535156e-01, -3.57421875e-01, -1.42578125e-01,
        -1.54296875e-01,  1.88476562e-01, -2.40234375e-01,  2.47802734e-02,
         1.43554688e-01, -2.49023438e-01,  1.56250000e-01, -2.92968750e-01,
        -3.00781250e-01,  8.44726562e-02,  1.55273438e-01, -1.57226562e-01,
         1.37695312e-01, -1.69921875e-01, -2.07519531e-03, -5.27343750e-02,
        -1.26953125e-01, -1.06811523e-02,  2.85156250e-01, -3.63281250e-01,
         6.20117188e-02,  6.15234375e-02,  3.08837891e-02, -2.63671875e-01,
         1.33789062e-01, -3.93676758e-03,  9.13085938e-02, -2.94921875e-01,
        -8.15429688e-02,  9.13085938e-02,  2.73437500e-01, -5.73730469e-02,
         5.90820312e-02, -2.67578125e-01,  6.73828125e-02,  5.56640625e-02,
         9.76562500e-04, -8.88671875e-02, -1.28906250e-01, -2.59765625e-01,
         4.32128906e-02,  1.50390625e-01, -3.18359375e-01,  2.73437500e-02,
         1.93359375e-01, -1.52343750e-01,  1.86767578e-02,  2.00195312e-01,
        -3.14331055e-03, -1.30859375e-01,  2.69775391e-02, -3.14453125e-01,
        -1.22558594e-01, -3.02734375e-01, -2.67578125e-01, -1.25976562e-01,
        -7.53784180e-03, -1.71875000e-01, -8.74023438e-02,  1.09375000e-01,
        -2.13867188e-01,  1.80664062e-01, -6.10351562e-02, -6.98242188e-02,
         3.60107422e-03,  1.38671875e-01,  1.81640625e-01,  4.23828125e-01,
         2.57812500e-01, -1.16210938e-01,  2.42919922e-02,  1.03027344e-01,
         1.69921875e-01,  2.02148438e-01,  1.54296875e-01,  1.56250000e-02,
        -5.35156250e-01,  2.41088867e-03,  1.78710938e-01,  8.83789062e-02,
        -1.03027344e-01,  1.74804688e-01, -1.43554688e-01,  8.88671875e-02,
         3.12500000e-01, -8.60595703e-03, -7.75146484e-03,  9.81445312e-02,
        -3.10546875e-01,  7.51953125e-02,  8.20312500e-02,  1.92382812e-01,
         3.34472656e-02, -1.01562500e-01, -3.80859375e-02, -7.27539062e-02,
        -1.51977539e-02, -9.03320312e-02, -3.06640625e-01,  2.51953125e-01,
         2.38281250e-01,  4.00390625e-01, -4.39453125e-01,  1.79687500e-01,
        -1.41601562e-01, -1.08398438e-01,  8.17871094e-03, -2.83203125e-0
2],
       dtype=float32),
 'capacity': array([-0.09765625,  0.09912109,  0.38476562, -0.04199219, -0.
25      ,
        -0.19628906,  0.03930664, -0.03540039,  0.21191406,  0.12402344,
         0.09375   , -0.01623535,  0.20996094, -0.08691406, -0.21289062,
        -0.00927734, -0.23632812,  0.13574219,  0.1171875 , -0.08642578,
        -0.06152344, -0.3125    ,  0.02148438,  0.07128906,  0.24609375,
        -0.04516602, -0.10888672,  0.00976562, -0.15332031, -0.09619141,
         0.16699219,  0.01965332, -0.23535156,  0.02661133, -0.11376953,
         0.06933594, -0.02307129,  0.07568359, -0.00098419,  0.01300049,
        -0.02453613,  0.14453125, -0.04980469, -0.02050781, -0.06738281,
        -0.40234375, -0.11914062,  0.05664062, -0.34570312,  0.08984375,
         0.14453125, -0.23535156, -0.03881836,  0.14355469,  0.12988281,
```

```
        -0.27929688, -0.16210938,  0.08398438,  0.02929688,  0.02368164,
         0.0324707 , -0.05737305, -0.17382812, -0.18847656,  0.16601562,
         0.00921631, -0.04858398,  0.00128937, -0.10595703,  0.36328125,
         0.06689453, -0.20410156,  0.24609375,  0.16796875, -0.24316406,
        -0.26953125, -0.12109375, -0.0859375 ,  0.29101562, -0.03979492,
         0.25      , -0.03564453, -0.15917969,  0.0123291 ,  0.08642578,
         0.09765625, -0.17871094,  0.34375   , -0.01879883, -0.02233887,
         0.03710938, -0.05200195, -0.02331543, -0.125     ,  0.05639648,
        -0.22363281, -0.23925781,  0.03637695, -0.10791016,  0.15722656,
         0.18164062, -0.05541992, -0.05908203, -0.0625    , -0.02429199,
         0.06933594, -0.1328125 , -0.05908203, -0.19042969,  0.03112793,
        -0.03710938, -0.15917969, -0.05932617,  0.04418945, -0.27734375,
         0.11767578,  0.03344727, -0.05517578,  0.28710938, -0.06542969,
         0.06445312,  0.01257324,  0.04614258, -0.01135254, -0.16601562,
         0.04785156, -0.09667969,  0.18359375, -0.09667969,  0.13964844,
        -0.046875  ,  0.125     ,  0.02050781, -0.20605469,  0.10449219,
        -0.05664062,  0.08691406,  0.2109375 , -0.12060547, -0.1015625 ,
        -0.03564453, -0.16601562,  0.07666016,  0.15429688,  0.10693359,
        -0.04003906,  0.0014801 ,  0.1484375 ,  0.17773438,  0.07177734,
        -0.0213623 , -0.08105469, -0.01306152,  0.0703125 ,  0.2265625 ,
        -0.13867188,  0.03979492,  0.01257324, -0.31445312, -0.359375  ,
         0.0559082 , -0.00567627, -0.16796875,  0.0612793 ,  0.09423828,
         0.16503906, -0.11083984, -0.09667969,  0.15429688, -0.08398438,
        -0.20703125, -0.02429199,  0.03515625,  0.02722168,  0.02429199,
        -0.12890625, -0.16796875, -0.25976562, -0.24804688,  0.03173828,
        -0.17480469, -0.00500488, -0.26953125, -0.19921875, -0.05273438,
        -0.01483154,  0.24902344, -0.07275391,  0.16503906,  0.296875  ,
        -0.15234375, -0.06445312, -0.15332031,  0.07714844, -0.23046875,
         0.359375  ,  0.15332031, -0.09619141, -0.05053711, -0.1171875 ,
        -0.1796875 ,  0.23242188, -0.07470703, -0.09863281,  0.16894531,
        -0.17089844,  0.04248047, -0.04980469,  0.0246582 ,  0.25195312,
         0.03149414, -0.01635742, -0.15234375, -0.06542969, -0.08300781,
        -0.25585938,  0.05664062,  0.09521484, -0.25585938,  0.45117188,
        -0.16210938,  0.265625  , -0.04223633,  0.08447266,  0.09619141,
        -0.06640625, -0.12890625,  0.04785156,  0.00570679,  0.0016861 ,
        -0.32421875, -0.05517578,  0.21777344,  0.06103516, -0.17578125,
        -0.03088379, -0.18554688, -0.02294922,  0.07421875,  0.03100586,
        -0.23730469,  0.06591797,  0.01086426, -0.26953125,  0.12597656,
        -0.00231934, -0.19140625,  0.12597656,  0.09521484, -0.20800781,
         0.22460938, -0.02624512, -0.04125977,  0.25976562,  0.07763672,
        -0.08691406,  0.20019531, -0.03686523, -0.4609375 ,  0.13183594,
         0.1015625 , -0.06054688,  0.02392578,  0.28710938, -0.02783203,
         0.07519531,  0.28320312,  0.0402832 ,  0.00964355, -0.04199219,
         0.16503906, -0.15234375,  0.20996094, -0.11816406, -0.07763672,
         0.05126953,  0.10742188, -0.03466797, -0.30078125, -0.03076172,
        -0.05053711,  0.09912109,  0.38085938, -0.19628906,  0.13769531,
         0.06103516,  0.07275391, -0.15332031,  0.32226562,  0.12695312,
        -0.04614258, -0.01965332, -0.109375  , -0.10693359, -0.01806641,
         0.03369141, -0.03759766,  0.04052734, -0.24902344, -0.23339844],
       dtype=float32),
 'oversight': array([-0.33984375, -0.12988281,  0.08300781, -0.15527344, -
0.09375   ,
        -0.31640625, -0.00315857, -0.15820312,  0.00604248,  0.04052734,
         0.04443359, -0.04394531,  0.03540039,  0.03759766, -0.25390625,
         0.30273438, -0.06933594, -0.05664062, -0.23632812, -0.171875  ,
         0.07470703, -0.16210938,  0.34765625,  0.359375  , -0.15234375,
         0.10546875,  0.02514648,  0.02600098, -0.13085938,  0.03393555,
        -0.00366211, -0.21191406,  0.02722168,  0.09326172,  0.20605469,
        -0.1640625 ,  0.1875    ,  0.05957031,  0.28515625, -0.04052734,
         0.04785156,  0.01733398, -0.08251953, -0.10595703, -0.13769531,
        -0.19921875, -0.01055908,  0.41601562, -0.32226562, -0.12109375,
         0.13476562,  0.078125  ,  0.296875  , -0.01794434, -0.06396484,
         0.33984375,  0.08349609,  0.01965332, -0.01818848, -0.16894531,
        -0.20800781,  0.14453125, -0.11132812,  0.03027344, -0.08398438,
```

```
         0.01977539, -0.15625   ,  0.47265625,  0.07373047, -0.12060547,
         0.47265625, -0.19238281, -0.02050781,  0.07470703, -0.02868652,
        -0.12011719, -0.0390625 , -0.01599121,  0.10986328,  0.17871094,
         0.29296875,  0.19238281, -0.02587891,  0.078125  , -0.43359375,
         0.12597656,  0.35742188,  0.03173828,  0.30859375,  0.00430298,
         0.22460938,  0.00765991,  0.13085938,  0.04638672,  0.25195312,
        -0.02038574, -0.17285156, -0.02441406,  0.04223633, -0.25976562,
        -0.02111816,  0.09130859,  0.19824219,  0.00379944,  0.23046875,
        -0.29296875, -0.14648438, -0.11279297, -0.12988281, -0.09716797,
        -0.04125977,  0.00567627,  0.01733398, -0.14257812, -0.09570312,
         0.08398438,  0.02441406,  0.27148438,  0.25390625, -0.08544922,
        -0.29492188, -0.00393677,  0.06689453,  0.29101562,  0.296875  ,
        -0.24707031,  0.04345703,  0.32226562,  0.20703125,  0.06396484,
        -0.27734375,  0.078125  , -0.25585938, -0.06201172,  0.05444336,
        -0.06225586,  0.1640625 ,  0.0045166 ,  0.03442383, -0.15625   ,
         0.02966309, -0.13476562, -0.14160156,  0.19042969,  0.05395508,
        -0.05541992, -0.07128906,  0.15820312,  0.18554688,  0.12402344,
        -0.17285156, -0.18359375, -0.1484375 ,  0.31640625,  0.14160156,
        -0.1640625 ,  0.08007812, -0.08789062, -0.16308594,  0.12451172,
         0.20019531, -0.01660156, -0.17675781,  0.24902344, -0.15722656,
        -0.08544922, -0.00921631, -0.15722656,  0.21679688,  0.25585938,
         0.07763672,  0.21582031, -0.12304688, -0.125     ,  0.22070312,
        -0.35546875,  0.14160156, -0.24511719, -0.09228516, -0.06933594,
        -0.234375  , -0.03369141,  0.09277344, -0.19726562,  0.03735352,
        -0.02575684,  0.20800781, -0.05322266, -0.04394531,  0.08007812,
        -0.04907227, -0.21875   ,  0.23730469,  0.078125  , -0.62109375,
         0.06835938,  0.05761719, -0.5546875 ,  0.20117188, -0.15527344,
        -0.20800781,  0.03662109,  0.12988281, -0.24511719,  0.12207031,
        -0.11523438, -0.19238281, -0.08642578,  0.00872803, -0.13769531,
         0.10253906, -0.09228516,  0.07714844,  0.02160645, -0.1640625 ,
        -0.30859375,  0.02233887,  0.2734375 , -0.08740234, -0.390625  ,
        -0.22558594, -0.02319336, -0.09277344,  0.16210938, -0.00358582,
        -0.32226562,  0.32421875, -0.01904297,  0.26757812, -0.08349609,
        -0.23144531, -0.09619141, -0.02172852,  0.11376953, -0.09472656,
         0.09863281,  0.34179688, -0.10693359,  0.24414062, -0.04663086,
        -0.13183594, -0.17578125, -0.12792969, -0.24609375,  0.03222656,
        -0.06542969,  0.0255127 , -0.00921631,  0.13476562, -0.07128906,
        -0.14941406,  0.07861328, -0.05859375, -0.04736328,  0.08496094,
        -0.08007812,  0.18847656,  0.14746094, -0.07714844,  0.15625   ,
         0.07373047,  0.04833984,  0.13378906,  0.04638672,  0.0213623 ,
         0.10351562, -0.18847656, -0.11572266, -0.70703125,  0.11669922,
        -0.03369141,  0.1328125 ,  0.18554688, -0.0189209 , -0.3203125 ,
        -0.16503906, -0.02099609, -0.1015625 ,  0.19824219, -0.02038574,
        -0.16015625, -0.07373047,  0.23144531,  0.33398438, -0.16894531,
        -0.16210938,  0.10302734,  0.01324463,  0.52734375, -0.20117188,
        -0.06591797, -0.03637695,  0.26367188,  0.20996094, -0.09423828,
         0.21386719, -0.11621094, -0.10205078,  0.0390625 , -0.15234375],
       dtype=float32),
 'area': array([-7.22656250e-02,  5.24902344e-02,  5.39550781e-02, -5.54199
219e-02,
        -1.06933594e-01,  5.68847656e-02, -2.59765625e-01, -1.03515625e-01,
         9.33837891e-03,  2.64892578e-02, -5.93261719e-02, -3.39355469e-02,
         1.16699219e-01, -1.97265625e-01, -5.51757812e-02, -1.90429688e-01,
        -1.00585938e-01,  6.98242188e-02, -3.17382812e-02, -2.11181641e-02,
        -3.97949219e-02, -1.35742188e-01, -2.03125000e-01,  8.97216797e-03,
        -9.91210938e-02, -4.44335938e-02, -2.15820312e-01, -1.85546875e-02,
         2.99072266e-03, -1.39648438e-01,  1.23535156e-01, -1.05957031e-01,
         1.72851562e-01,  4.68750000e-02, -5.66406250e-02, -1.47460938e-01,
        -6.12792969e-02, -2.53906250e-01,  1.13769531e-01,  1.66015625e-01,
        -1.82617188e-01,  1.73828125e-01,  2.66113281e-02,  6.12792969e-02,
        -2.07031250e-01, -3.36914062e-02, -7.12890625e-02, -1.13769531e-01,
        -1.90429688e-02,  6.68945312e-02,  2.21679688e-01, -7.91015625e-02,
         3.80859375e-02, -1.77734375e-01,  3.29589844e-02, -5.05371094e-02,
         1.21582031e-01,  1.54296875e-01,  2.88009644e-04,  3.32031250e-02,
```

```
        -3.29589844e-02, -1.42669678e-03, -9.66796875e-02, -1.50390625e-01,
        -1.50390625e-01, -1.42822266e-02, -8.10546875e-02,  1.58691406e-02,
        -3.02734375e-02,  1.18652344e-01, -1.21093750e-01,  1.64794922e-02,
         1.59179688e-01, -3.58886719e-02, -5.12695312e-02, -8.44726562e-02,
         3.71093750e-02, -2.14843750e-02,  1.53320312e-01, -3.11279297e-02,
         1.02233887e-03,  1.13281250e-01,  4.10156250e-02, -3.85742188e-02,
        -1.06445312e-01, -7.81250000e-02, -2.29492188e-02,  1.69677734e-02,
         2.14843750e-01, -6.20117188e-02,  4.98046875e-02, -1.83593750e-01,
        -1.04980469e-01, -8.20312500e-02, -3.66210938e-02,  1.73828125e-01,
        -7.47070312e-02,  6.49414062e-02,  2.60009766e-02, -1.94335938e-01,
         1.00097656e-01,  1.51367188e-01,  8.64257812e-02,  5.39550781e-02,
         5.95703125e-02, -8.44726562e-02,  1.90429688e-02, -5.83496094e-02,
        -7.17773438e-02, -2.22656250e-01, -9.42382812e-02, -5.02929688e-02,
         1.57226562e-01, -1.98242188e-01,  8.49609375e-02, -8.59375000e-02,
         2.28515625e-01,  2.60009766e-02, -1.38671875e-01, -6.68334961e-03,
        -5.51757812e-02,  5.00488281e-02, -1.89453125e-01,  6.98242188e-02,
        -4.51660156e-02,  9.32617188e-02, -1.39648438e-01, -1.18164062e-01,
         2.69531250e-01, -6.39648438e-02,  1.46484375e-01, -2.69531250e-01,
         2.63671875e-02,  4.02832031e-02, -1.19628906e-02, -1.50390625e-01,
         1.68945312e-01, -1.17187500e-01,  7.22656250e-02,  2.57812500e-01,
         8.30078125e-02,  7.76367188e-02,  1.21459961e-02, -1.51367188e-02,
         5.02929688e-02, -2.57568359e-02,  9.58251953e-03, -4.27246094e-02,
        -3.90625000e-01, -1.28906250e-01,  1.65039062e-01,  1.94335938e-01,
        -2.46582031e-02, -1.36718750e-02, -8.49609375e-02, -1.25000000e-01,
         4.02832031e-02,  3.11279297e-02,  1.16210938e-01,  3.68652344e-02,
         6.17675781e-02,  1.33789062e-01, -6.59179688e-02, -1.32812500e-01,
         4.07714844e-02,  1.78710938e-01,  1.22558594e-01, -1.90429688e-01,
         1.42578125e-01, -8.10546875e-02, -1.95312500e-01,  9.27734375e-02,
        -1.09863281e-01, -1.54296875e-01,  1.38671875e-01, -1.61132812e-01,
         9.52148438e-02,  1.48315430e-02, -1.61132812e-02, -3.07617188e-02,
        -1.96289062e-01, -1.37695312e-01,  3.66210938e-02, -5.52368164e-03,
        -6.34765625e-03, -2.40234375e-01,  1.16210938e-01,  7.66601562e-02,
         1.18652344e-01,  2.14843750e-01, -8.20312500e-02, -1.29882812e-01,
         3.27148438e-02,  2.74658203e-03, -1.45507812e-01,  7.86132812e-02,
         2.27050781e-02, -2.79541016e-02, -7.27539062e-02, -5.29785156e-02,
        -6.29882812e-02, -3.58886719e-02, -3.24707031e-02, -2.02148438e-01,
         1.97753906e-02, -1.28906250e-01,  1.13281250e-01,  8.83789062e-02,
         2.31445312e-01,  4.63867188e-02,  5.83496094e-02, -1.04980469e-01,
        -3.08593750e-01,  2.83203125e-01, -1.53808594e-02,  2.81982422e-02,
         1.11694336e-02,  5.71289062e-02, -5.29785156e-02,  2.46093750e-01,
         1.56250000e-02, -1.03149414e-02, -1.49414062e-01, -1.86523438e-01,
        -9.17968750e-02,  2.88085938e-02,  8.44726562e-02,  5.37109375e-02,
        -3.22265625e-02, -1.01074219e-01,  1.51367188e-01, -1.30859375e-01,
        -5.81054688e-02,  2.16064453e-02, -4.05273438e-02,  1.21093750e-01,
         2.38037109e-03, -4.27246094e-03,  8.93554688e-02, -9.96093750e-02,
        -1.80664062e-02, -8.54492188e-03,  1.40625000e-01, -2.16796875e-01,
        -1.10839844e-01,  4.51660156e-02,  1.17675781e-01,  2.13623047e-02,
         1.70898438e-02,  5.88378906e-02,  2.75878906e-02, -4.24804688e-02,
         2.61718750e-01,  2.55126953e-02,  1.35742188e-01, -9.81445312e-02,
         8.30078125e-02,  3.78417969e-02, -1.88476562e-01,  1.08398438e-01,
        -2.47070312e-01, -1.32812500e-01,  6.68945312e-02,  2.16796875e-01,
         2.25585938e-01,  7.81250000e-02, -2.09960938e-02,  3.01513672e-02,
        -8.10546875e-02, -2.32421875e-01, -1.67968750e-01, -1.97265625e-01,
        -4.19921875e-02,  2.30407715e-03,  8.23974609e-03, -1.06445312e-01,
         1.60156250e-01, -8.59375000e-02,  6.44531250e-02, -1.02050781e-01,
        -1.37695312e-01, -5.02929688e-02,  2.31445312e-01,  1.44531250e-01,
         4.22363281e-02,  4.34570312e-02, -9.27734375e-02, -1.28906250e-01,
        -1.51634216e-04,  2.11181641e-02, -1.72851562e-01, -1.39648438e-01,
        -2.21679688e-01, -8.54492188e-03,  1.48437500e-01, -9.81445312e-02,
        -1.66992188e-01, -1.60156250e-01,  1.36718750e-01, -1.25976562e-0
1],
       dtype=float32),
 'including': array([-0.06054688,  0.07324219,  0.02404785, -0.01708984,
0.10839844,
```

```
         0.00212097, -0.03808594,  0.03881836,  0.07861328,  0.07470703,
         0.00994873, -0.07324219, -0.15722656,  0.08447266, -0.03393555,
        -0.04663086, -0.01513672,  0.08349609, -0.1484375 ,  0.10205078,
        -0.13964844, -0.02539062, -0.171875  ,  0.06738281, -0.02050781,
         0.08544922, -0.2421875 ,  0.04956055,  0.00799561, -0.02563477,
         0.12695312, -0.109375  ,  0.03686523,  0.17871094,  0.04248047,
        -0.05297852,  0.06982422, -0.13574219, -0.08447266,  0.01843262,
         0.09863281,  0.07275391, -0.09570312,  0.07519531, -0.10205078,
        -0.10009766, -0.05249023, -0.15722656,  0.10400391, -0.00485229,
         0.00726318,  0.13378906, -0.06884766,  0.00970459, -0.25195312,
         0.08349609, -0.11572266, -0.05541992,  0.12304688,  0.02282715,
        -0.09326172,  0.13085938,  0.06982422, -0.14746094,  0.04589844,
         0.04711914,  0.05102539,  0.12792969, -0.015625  ,  0.12255859,
         0.01177979, -0.0168457 ,  0.16015625,  0.1796875 , -0.03442383,
        -0.02783203, -0.00430298,  0.18652344, -0.06396484,  0.12207031,
        -0.05566406, -0.03442383,  0.03417969, -0.01409912,  0.05908203,
        -0.24511719, -0.15429688, -0.10058594, -0.20214844, -0.09033203,
         0.08984375,  0.07617188,  0.03320312,  0.04248047,  0.01953125,
        -0.10058594,  0.09570312,  0.04248047, -0.0014267 ,  0.19433594,
         0.0859375 ,  0.00811768, -0.0222168 ,  0.00515747,  0.03173828,
        -0.05395508,  0.06396484,  0.08691406,  0.12695312,  0.02441406,
        -0.04150391,  0.10546875, -0.07861328, -0.08056641,  0.09375   ,
         0.05249023, -0.06738281,  0.14648438,  0.12792969,  0.00318909,
        -0.15039062,  0.16601562, -0.03491211,  0.03271484,  0.15527344,
        -0.18066406,  0.10400391, -0.05371094,  0.01318359,  0.14648438,
         0.1796875 , -0.01342773, -0.02392578,  0.00836182, -0.09765625,
         0.03015137, -0.01452637, -0.13867188, -0.012146  , -0.00047112,
         0.03881836,  0.09423828,  0.10449219,  0.22851562,  0.29296875,
         0.00531006,  0.10351562, -0.0145874 , -0.13183594,  0.14453125,
         0.01574707, -0.03100586, -0.05102539, -0.07519531, -0.06079102,
        -0.21484375, -0.09570312,  0.00131226,  0.17480469, -0.01647949,
         0.10302734,  0.00524902,  0.05078125,  0.12695312,  0.05151367,
         0.07958984, -0.05883789, -0.09130859, -0.10009766, -0.2578125 ,
        -0.20605469,  0.02600098,  0.04052734, -0.16992188, -0.00872803,
        -0.11523438, -0.14355469, -0.07861328, -0.140625  ,  0.07275391,
        -0.17382812, -0.00909424,  0.03491211,  0.06835938, -0.08203125,
         0.00909424, -0.04345703, -0.00927734,  0.03149414, -0.0324707 ,
         0.12597656, -0.12988281,  0.15625   , -0.13769531, -0.24707031,
         0.01239014,  0.00233459, -0.10546875, -0.00328064, -0.359375  ,
         0.07861328,  0.08789062, -0.05273438,  0.0703125 , -0.00866699,
        -0.02490234, -0.01068115,  0.05908203, -0.03540039,  0.07421875,
         0.03710938, -0.07373047, -0.01550293,  0.12695312,  0.11621094,
         0.02148438,  0.07666016, -0.03344727, -0.12597656, -0.03662109,
         0.01422119,  0.01495361, -0.0703125 , -0.10351562,  0.22363281,
        -0.02807617, -0.17285156,  0.0088501 ,  0.14257812, -0.13378906,
         0.19628906, -0.02307129,  0.08740234,  0.20605469, -0.08349609,
         0.04980469,  0.22070312, -0.02636719,  0.05322266, -0.01977539,
        -0.07617188,  0.21679688,  0.05786133,  0.03881836, -0.03881836,
         0.03833008, -0.06445312,  0.01989746, -0.04394531, -0.05029297,
        -0.02001953,  0.19433594,  0.01312256, -0.04174805, -0.07128906,
        -0.05078125,  0.02600098, -0.00921631,  0.03173828, -0.05981445,
        -0.10742188,  0.09667969,  0.00086975,  0.02685547,  0.09765625,
         0.06298828,  0.07275391,  0.24511719,  0.01513672,  0.00933838,
        -0.04199219, -0.09619141, -0.07470703, -0.17773438,  0.28320312,
        -0.08105469, -0.07763672, -0.16015625, -0.05981445, -0.09863281,
        -0.08691406,  0.05883789, -0.11523438,  0.11132812, -0.015625  ,
         0.10595703, -0.08154297,  0.00759888,  0.07910156,  0.01123047,
        -0.00338745, -0.03515625,  0.05297852,  0.0300293 , -0.01953125,
        -0.11474609,  0.10205078,  0.02233887,  0.01226807,  0.12695312],
       dtype=float32),
 'training': array([-0.16113281,  0.22265625,  0.02807617, -0.08691406,  0.
16113281,
         0.15136719, -0.02258301, -0.24511719, -0.3046875 , -0.02624512,
         0.1953125 ,  0.19921875, -0.08984375,  0.15820312, -0.06640625,
```

```
         0.27929688, -0.17382812,  0.23730469, -0.0480957 , -0.40039062,
         0.11132812,  0.11865234, -0.03930664,  0.11425781,  0.03979492,
        -0.04321289, -0.19921875,  0.05200195, -0.05249023, -0.04199219,
         0.17089844,  0.05737305,  0.02990723, -0.09033203, -0.1015625 ,
        -0.11767578, -0.18261719, -0.12695312,  0.23144531, -0.35546875,
        -0.10742188, -0.1015625 ,  0.18359375,  0.07275391, -0.11621094,
        -0.08691406,  0.02893066, -0.06176758, -0.01013184,  0.3125    ,
         0.08056641, -0.12304688,  0.01867676,  0.03930664, -0.02722168,
        -0.08007812,  0.20117188,  0.10400391, -0.11132812, -0.20996094,
        -0.109375  , -0.11181641,  0.16503906, -0.22460938,  0.12011719,
         0.15234375, -0.07617188, -0.15234375,  0.04345703, -0.23144531,
        -0.16503906,  0.17089844, -0.05175781,  0.26367188, -0.08105469,
        -0.00558472,  0.265625  , -0.10498047, -0.10449219, -0.08251953,
         0.11083984, -0.00823975, -0.11376953,  0.05615234, -0.21386719,
        -0.29492188, -0.01977539,  0.06982422,  0.16503906, -0.12597656,
        -0.12695312,  0.01422119, -0.13867188, -0.11914062,  0.21679688,
        -0.19628906,  0.20507812, -0.14355469,  0.07666016, -0.09765625,
        -0.00256348, -0.17871094, -0.05786133,  0.32226562,  0.04296875,
        -0.10400391,  0.13476562, -0.06640625,  0.23339844, -0.25      ,
         0.03051758,  0.2890625 , -0.23828125,  0.01953125, -0.10205078,
         0.00149536,  0.078125  ,  0.10742188,  0.15429688,  0.07617188,
        -0.24511719,  0.01275635,  0.06884766,  0.17285156,  0.00527954,
        -0.03393555, -0.29101562, -0.05664062,  0.02246094,  0.296875  ,
        -0.140625  , -0.05200195, -0.2578125 , -0.18457031, -0.00506592,
        -0.36914062,  0.02770996,  0.01879883, -0.375     ,  0.09521484,
        -0.23730469,  0.21386719,  0.05493164, -0.25976562, -0.09326172,
        -0.15917969,  0.06494141,  0.11376953,  0.05322266, -0.10839844,
         0.13183594,  0.17578125,  0.06030273,  0.10595703,  0.10546875,
        -0.08203125,  0.0625    , -0.24609375,  0.00537109, -0.28710938,
         0.28515625,  0.10058594, -0.13574219,  0.0144043 , -0.20898438,
        -0.17578125,  0.09033203, -0.12255859,  0.07275391, -0.11230469,
        -0.05932617, -0.10644531, -0.29101562, -0.05786133,  0.38085938,
         0.07080078,  0.11132812, -0.06152344, -0.15820312, -0.00184631,
        -0.07617188, -0.21484375,  0.125     ,  0.08349609, -0.05761719,
         0.07324219, -0.03442383, -0.04882812,  0.33203125,  0.08544922,
        -0.11083984,  0.0559082 ,  0.0255127 ,  0.11132812,  0.01385498,
        -0.00124359,  0.24804688, -0.07519531, -0.16699219, -0.15722656,
         0.04370117,  0.1328125 , -0.05615234,  0.05932617, -0.04760742,
        -0.17871094, -0.25      , -0.14746094,  0.04858398,  0.03881836,
         0.08984375, -0.34765625, -0.25195312, -0.12451172,  0.15136719,
         0.10839844,  0.24121094, -0.07080078, -0.28710938, -0.3203125 ,
         0.01409912, -0.05419922,  0.03710938, -0.04125977,  0.17675781,
        -0.203125  ,  0.09326172, -0.10205078,  0.14550781, -0.21484375,
         0.04663086, -0.18652344,  0.07568359, -0.11328125,  0.09667969,
         0.17382812, -0.08154297,  0.06835938, -0.01574707,  0.00891113,
        -0.001297  ,  0.234375  , -0.16015625, -0.08886719,  0.05102539,
        -0.17773438, -0.11425781, -0.01330566, -0.01965332, -0.10595703,
        -0.03881836,  0.12695312,  0.125     ,  0.09863281,  0.078125  ,
         0.19433594, -0.03857422,  0.08642578, -0.41210938,  0.19433594,
        -0.03637695,  0.12158203, -0.10400391,  0.02868652,  0.10546875,
        -0.18457031,  0.15527344, -0.265625  , -0.3671875 ,  0.27539062,
         0.01745605,  0.14355469, -0.04956055, -0.15234375, -0.02246094,
        -0.30078125, -0.24414062, -0.05981445, -0.10009766,  0.07080078,
         0.02722168,  0.11865234,  0.22167969,  0.09033203, -0.01904297,
         0.07568359, -0.06933594,  0.05883789,  0.21777344,  0.04541016,
        -0.25585938, -0.11328125, -0.0010376 ,  0.08691406,  0.05493164,
        -0.08691406, -0.04882812,  0.0168457 , -0.05004883,  0.01080322],
       dtype=float32),
 'direct': array([ 0.125     , -0.21972656,  0.01953125,  0.02429199, -0.03
24707 ,
         0.11083984, -0.06005859, -0.14453125,  0.16308594,  0.07128906,
        -0.07470703, -0.04443359, -0.03808594,  0.19824219,  0.02587891,
        -0.02246094,  0.08984375,  0.06054688, -0.11816406,  0.23535156,
        -0.02355957,  0.0390625 , -0.14160156,  0.04980469, -0.05981445,
```

```
        -0.16699219, -0.00300598,  0.05517578,  0.10253906,  0.08349609,
         0.08251953, -0.23535156, -0.25976562, -0.06982422,  0.06201172,
         0.04492188, -0.08154297, -0.02038574, -0.00463867,  0.02954102,
         0.12792969, -0.06689453,  0.09277344, -0.02587891, -0.04150391,
        -0.22265625,  0.08300781,  0.11572266, -0.10009766, -0.10693359,
         0.07128906, -0.0088501 , -0.10644531,  0.01184082, -0.02380371,
        -0.00209045, -0.08935547, -0.10107422, -0.09667969, -0.01965332,
        -0.25      , -0.11523438, -0.05517578,  0.2265625 , -0.08691406,
        -0.16308594, -0.109375  ,  0.13574219, -0.07226562,  0.15039062,
        -0.08496094, -0.06494141,  0.18066406,  0.06933594, -0.22558594,
        -0.15917969,  0.03198242,  0.22851562, -0.04711914, -0.00674438,
         0.03735352, -0.08984375,  0.06445312,  0.05322266,  0.00205994,
        -0.11572266, -0.21972656, -0.00509644,  0.06201172,  0.04785156,
         0.10791016, -0.04150391, -0.2109375 , -0.10742188, -0.08691406,
         0.03979492,  0.00817871,  0.15429688, -0.17285156,  0.16210938,
        -0.01477051, -0.19140625, -0.11669922, -0.04248047, -0.01251221,
        -0.12451172,  0.0201416 , -0.02392578,  0.296875  , -0.19824219,
        -0.2265625 , -0.01635742, -0.05297852,  0.01251221,  0.23144531,
         0.08154297,  0.07958984, -0.06982422,  0.02868652,  0.05126953,
        -0.09130859,  0.03930664, -0.02526855,  0.36132812, -0.12207031,
         0.16015625,  0.03515625,  0.07177734,  0.07617188,  0.08447266,
        -0.1484375 ,  0.03491211, -0.16894531,  0.04589844,  0.38085938,
        -0.12695312,  0.06884766, -0.08105469,  0.13574219, -0.15722656,
         0.06445312,  0.02709961, -0.00668335,  0.0189209 , -0.07714844,
        -0.171875  , -0.10742188, -0.02209473, -0.05786133,  0.07568359,
         0.08154297,  0.16601562,  0.109375  ,  0.0390625 , -0.02258301,
        -0.18457031, -0.07226562,  0.09326172,  0.21972656,  0.12207031,
        -0.10742188,  0.15917969, -0.17578125, -0.00653076, -0.0703125 ,
         0.04101562,  0.06640625, -0.05541992, -0.02844238, -0.08740234,
        -0.03662109,  0.09033203,  0.26757812, -0.3125    ,  0.10107422,
         0.10205078,  0.07226562, -0.20410156, -0.38476562,  0.05737305,
        -0.15136719,  0.00231934, -0.07421875,  0.03881836, -0.12402344,
         0.14550781,  0.21777344, -0.00793457, -0.08642578,  0.19238281,
        -0.0559082 ,  0.06787109, -0.03955078, -0.00147247,  0.18554688,
        -0.24804688, -0.10742188, -0.25976562,  0.02990723, -0.14550781,
         0.00897217,  0.09619141,  0.08642578,  0.06030273,  0.20410156,
         0.01574707, -0.0213623 , -0.07617188,  0.02099609, -0.02648926,
        -0.09082031,  0.1484375 , -0.140625  ,  0.08251953,  0.01623535,
        -0.32421875,  0.1796875 , -0.015625  ,  0.05395508, -0.12304688,
         0.17675781,  0.02807617,  0.08154297,  0.1015625 , -0.04931641,
         0.0625    ,  0.14355469,  0.09814453,  0.11035156, -0.00872803,
         0.10205078, -0.11328125,  0.05004883, -0.00576782,  0.02111816,
         0.03027344, -0.04516602, -0.03833008,  0.03149414, -0.1953125 ,
        -0.01025391,  0.00093079, -0.01531982, -0.06542969,  0.07177734,
        -0.13378906,  0.00668335,  0.21777344,  0.12353516, -0.171875  ,
         0.13085938, -0.11279297, -0.0612793 , -0.03393555, -0.00352478,
         0.01086426,  0.13867188,  0.05541992, -0.2890625 , -0.06298828,
        -0.06005859, -0.05712891, -0.01348877, -0.04785156,  0.12890625,
        -0.02734375, -0.06787109, -0.17285156,  0.00897217, -0.05517578,
        -0.03466797,  0.19824219, -0.03344727, -0.15136719, -0.02685547,
         0.04443359, -0.05151367, -0.03051758,  0.22070312,  0.20605469,
        -0.28710938,  0.06640625, -0.02355957,  0.03369141,  0.0378418 ,
         0.20019531, -0.1953125 ,  0.24609375,  0.19433594, -0.13378906,
        -0.22167969,  0.06787109,  0.11425781,  0.13476562,  0.03515625,
         0.06689453,  0.09277344, -0.0402832 , -0.07763672, -0.04882812],
       dtype=float32),
 'professional': array([-2.38281250e-01,  9.15527344e-03, -4.34570312e-02,
-9.76562500e-03,
        -9.09423828e-03,  2.04101562e-01,  7.51953125e-02, -1.97265625e-01,
         9.22851562e-02, -1.80664062e-02,  1.20605469e-01, -6.39648438e-02,
        -5.85937500e-02, -6.25610352e-03,  1.00097656e-01,  1.46484375e-01,
         1.59179688e-01,  2.57812500e-01,  1.48437500e-01, -2.20703125e-01,
         3.44238281e-02, -2.25830078e-02, -4.66308594e-02, -4.05273438e-02,
        -1.11328125e-01,  3.89099121e-04, -1.79687500e-01,  1.92382812e-01,
```

```
-8.42285156e-03,  2.16064453e-02,  7.37304688e-02,  3.01513672e-02,
 1.37695312e-01, -3.80859375e-02,  2.60009766e-02, -6.39648438e-02,
-1.18652344e-01,  1.14746094e-02,  1.48437500e-01, -2.38281250e-01,
 1.49414062e-01,  4.41894531e-02, -4.27246094e-02,  1.37695312e-01,
-2.31445312e-01,  5.44433594e-02, -5.61523438e-02, -4.29687500e-02,
 2.14843750e-02,  1.95312500e-01, -6.64062500e-02,  1.89453125e-01,
-1.06933594e-01,  5.95703125e-02, -1.86920166e-03,  1.30859375e-01,
 1.37695312e-01, -5.07812500e-02, -2.44140625e-01, -7.76367188e-02,
-5.95703125e-02, -8.25195312e-02, -2.42919922e-02, -1.01562500e-01,
-2.55126953e-02,  2.71484375e-01,  4.78515625e-02, -4.24194336e-03,
 7.37304688e-02, -2.30712891e-02,  6.88476562e-02, -3.10058594e-02,
 7.12890625e-02,  1.16699219e-01, -1.97753906e-02,  9.27734375e-02,
-2.24113464e-05,  2.73437500e-02,  3.14941406e-02,  6.64062500e-02,
-1.11816406e-01,  9.52148438e-02,  1.18408203e-02,  2.15820312e-01,
 6.12792969e-02, -1.86523438e-01, -3.34472656e-02,  4.42504883e-03,
 9.27734375e-02,  1.82617188e-01,  2.94189453e-02, -1.37695312e-01,
-3.37890625e-01, -1.81640625e-01,  9.17968750e-02, -1.54296875e-01,
-3.12500000e-02,  1.74804688e-01, -3.14941406e-02, -2.48046875e-01,
-3.49121094e-02,  2.11914062e-01, -1.31835938e-01, -1.30615234e-02,
-5.46264648e-03,  1.42578125e-01,  2.12890625e-01,  1.23535156e-01,
 2.04101562e-01, -2.08984375e-01, -5.68847656e-02,  1.25000000e-01,
-2.79296875e-01,  1.04492188e-01,  1.04492188e-01, -4.76074219e-02,
 4.02832031e-02, -1.18652344e-01,  1.61132812e-01,  6.59179688e-02,
-1.48437500e-01, -1.62109375e-01, -8.34960938e-02, -4.83398438e-02,
 1.91406250e-01, -9.13085938e-02, -8.25195312e-02,  3.71093750e-02,
 1.25976562e-01,  1.98242188e-01, -1.37695312e-01, -1.35742188e-01,
-2.67578125e-01,  8.10546875e-02, -3.54003906e-02, -1.99218750e-01,
-2.08007812e-01,  1.47460938e-01, -6.07910156e-02, -9.47265625e-02,
-4.00390625e-01, -1.03027344e-01, -1.00585938e-01,  4.24804688e-02,
-2.07519531e-02,  1.62109375e-01, -5.05371094e-02,  1.33789062e-01,
 9.27734375e-02,  1.75781250e-02, -1.83593750e-01,  4.98046875e-02,
-2.59765625e-01,  9.88769531e-03, -2.24609375e-01,  3.58886719e-02,
-6.56127930e-03, -2.18750000e-01,  6.49414062e-02, -1.98242188e-01,
 1.06811523e-02,  1.52343750e-01, -6.25000000e-02,  1.49414062e-01,
 3.66210938e-02,  4.45556641e-03, -1.12792969e-01, -2.79296875e-01,
-2.47802734e-02, -7.08007812e-02, -6.73828125e-02, -2.41210938e-01,
 9.76562500e-02, -2.17773438e-01,  1.36718750e-01, -8.83789062e-02,
 8.10546875e-02,  2.22167969e-02, -8.83789062e-02, -1.33789062e-01,
-4.46777344e-02, -1.98242188e-01, -4.68750000e-02, -3.22265625e-02,
-3.24218750e-01,  6.98242188e-02, -1.15234375e-01, -1.32812500e-01,
 9.61914062e-02,  1.42578125e-01, -6.05468750e-02,  1.63085938e-01,
-1.37939453e-02, -4.93164062e-02,  5.78613281e-02, -1.69921875e-01,
-2.01416016e-02, -4.05273438e-02,  1.03149414e-02, -1.75781250e-01,
-4.63867188e-03,  2.65625000e-01, -1.23535156e-01,  6.65283203e-03,
-1.64062500e-01, -2.25585938e-01, -2.57812500e-01, -2.96875000e-01,
 5.44433594e-02,  1.51977539e-02,  3.58581543e-03, -8.49609375e-02,
 9.22851562e-02,  5.12695312e-02, -1.40991211e-02,  9.96093750e-02,
-1.21582031e-01,  8.88671875e-02, -1.27929688e-01, -2.30468750e-01,
 8.25195312e-02, -9.57031250e-02, -1.51367188e-01, -7.51953125e-02,
 7.08007812e-02, -1.36718750e-01,  4.54101562e-02, -2.05078125e-01,
 5.63964844e-02, -2.11914062e-01,  1.22070312e-01, -7.08007812e-02,
 1.04003906e-01, -1.66992188e-01, -1.53320312e-01,  1.11816406e-01,
 2.22167969e-02,  3.68652344e-02, -2.34375000e-01, -9.91210938e-02,
 1.21093750e-01, -1.78710938e-01, -3.68652344e-02, -1.51367188e-01,
-1.96289062e-01,  1.35498047e-02, -8.00781250e-02,  2.81982422e-02,
-1.94335938e-01, -2.98828125e-01,  1.43554688e-01, -1.96533203e-02,
 6.98242188e-02,  4.58984375e-02, -3.95507812e-02,  1.23046875e-01,
-2.05078125e-01,  2.18505859e-02, -1.31835938e-01,  1.17187500e-01,
-1.05957031e-01, -1.78222656e-02,  1.27929688e-01,  4.83398438e-02,
 1.26953125e-01,  1.44531250e-01, -1.45507812e-01, -2.46582031e-02,
-1.70898438e-02, -1.04980469e-01,  5.93261719e-02, -1.06933594e-01,
-7.03125000e-02,  2.14843750e-02, -1.17187500e-02,  5.29785156e-02,
-1.01074219e-01,  4.27246094e-03, -1.03027344e-01,  1.63085938e-01,
-4.79125977e-03, -1.11816406e-01,  1.63085938e-01,  2.96875000e-01,
```

```
        -4.34570312e-02,  2.07031250e-01, -2.87109375e-01,  6.39648438e-02,
         2.69531250e-01,  1.60156250e-01, -3.24707031e-02,  5.76171875e-02,
        -2.09960938e-01, -2.13623047e-02, -2.50000000e-01, -8.74023438e-02,
         1.03515625e-01,  2.45361328e-02, -2.14843750e-01, -1.67236328e-0
2],
       dtype=float32),
 'person': array([ 0.27539062, -0.24707031,  0.01721191,  0.16796875, -0.14
550781,
         0.16015625,  0.16503906,  0.12158203,  0.16699219, -0.30664062,
         0.00509644, -0.12158203,  0.11816406, -0.25      ,  0.03857422,
         0.23046875, -0.1953125 ,  0.00982666, -0.11132812, -0.09912109,
        -0.03710938, -0.20019531,  0.02600098, -0.26171875, -0.05224609,
        -0.16015625, -0.19628906,  0.2421875 , -0.02441406, -0.08544922,
        -0.06494141,  0.00588989, -0.27929688,  0.10009766, -0.109375  ,
         0.17578125,  0.00921631, -0.01696777, -0.14648438,  0.17382812,
        -0.07861328, -0.04443359,  0.11181641,  0.14648438,  0.18164062,
        -0.10253906, -0.01171875, -0.0133667 , -0.08544922, -0.1171875 ,
        -0.02758789, -0.10400391,  0.08447266, -0.0088501 ,  0.15820312,
         0.02246094,  0.00561523,  0.04077148,  0.16601562, -0.04858398,
         0.12109375,  0.22363281, -0.17480469,  0.03320312,  0.09228516,
        -0.01287842, -0.02856445,  0.12890625,  0.125     , -0.01708984,
         0.07470703, -0.09228516,  0.02966309, -0.01928711, -0.04492188,
        -0.03173828,  0.04467773, -0.08740234,  0.11376953,  0.19335938,
         0.24804688, -0.20410156,  0.09863281,  0.00604248, -0.00221252,
         0.03979492, -0.08251953,  0.11669922,  0.14160156, -0.06347656,
         0.14746094,  0.11083984, -0.13183594, -0.14941406,  0.16699219,
        -0.15917969,  0.11425781,  0.15820312,  0.08837891,  0.0067749 ,
        -0.11572266, -0.16601562,  0.05541992,  0.07910156, -0.00393677,
        -0.04492188,  0.03088379, -0.05834961,  0.12890625, -0.25195312,
        -0.07910156, -0.19824219, -0.01000977, -0.09179688,  0.19628906,
         0.09716797, -0.01623535, -0.16894531, -0.00601196,  0.12353516,
        -0.00860596, -0.0612793 , -0.15625   ,  0.15625   , -0.1875    ,
        -0.03198242,  0.21777344,  0.08984375,  0.07666016,  0.17480469,
        -0.12207031, -0.24023438, -0.09472656,  0.03735352, -0.0255127 ,
        -0.28710938, -0.05395508, -0.05786133,  0.00622559, -0.0612793 ,
         0.18066406, -0.08496094, -0.19726562,  0.16113281, -0.11035156,
         0.16113281, -0.07861328, -0.02124023, -0.13378906,  0.00497437,
         0.14648438,  0.00738525, -0.19335938, -0.04150391,  0.09570312,
        -0.04882812, -0.00753784, -0.08105469, -0.05908203,  0.12207031,
        -0.11474609,  0.13867188,  0.18457031,  0.19335938, -0.34570312,
        -0.05395508,  0.04858398,  0.08837891,  0.11914062,  0.0612793 ,
         0.00921631, -0.05493164,  0.06103516, -0.32421875, -0.18945312,
        -0.09814453,  0.06176758,  0.05371094, -0.09912109, -0.11425781,
         0.13085938,  0.0703125 , -0.08203125, -0.15625   , -0.11474609,
         0.15136719,  0.13378906,  0.16699219, -0.10595703, -0.02954102,
        -0.03039551,  0.27148438, -0.13964844,  0.17773438, -0.01672363,
        -0.07568359, -0.08642578,  0.06225586, -0.3046875 , -0.18457031,
        -0.05419922,  0.09130859, -0.17382812, -0.02587891, -0.14160156,
        -0.16113281, -0.10742188,  0.00099945,  0.10546875, -0.265625  ,
        -0.04711914, -0.12011719, -0.07910156, -0.04199219, -0.19726562,
         0.17675781, -0.10253906,  0.13671875, -0.22460938,  0.10253906,
         0.07568359, -0.11083984,  0.13476562, -0.14746094,  0.10595703,
         0.05810547,  0.42773438,  0.07519531, -0.02258301, -0.14648438,
         0.09082031, -0.06982422, -0.08544922,  0.15527344, -0.06884766,
        -0.09082031, -0.0090332 , -0.05004883,  0.06445312, -0.04125977,
         0.34179688, -0.12402344, -0.11816406, -0.11230469,  0.19042969,
         0.07958984, -0.08251953, -0.04663086,  0.00817871, -0.15625   ,
         0.11425781, -0.00430298, -0.05688477,  0.00656128,  0.17089844,
        -0.00091934, -0.06201172,  0.09863281,  0.02539062, -0.18554688,
         0.05932617, -0.16503906, -0.12011719, -0.20703125,  0.10888672,
         0.13769531,  0.13769531,  0.19433594, -0.31054688, -0.09179688,
        -0.02294922,  0.06494141,  0.08251953,  0.18261719, -0.11523438,
         0.02514648,  0.0255127 , -0.15234375,  0.00878906,  0.09765625,
         0.02490234, -0.1484375 ,  0.04614258,  0.203125  ,  0.1171875 ,
```

```
         0.04199219, -0.04272461, -0.19042969,  0.11474609,  0.15039062,
         0.05395508,  0.05908203, -0.20507812, -0.10058594, -0.05053711,
         0.14648438,  0.01098633, -0.13085938,  0.07421875, -0.09228516],
       dtype=float32),
 'centered': array([ 0.03540039,  0.265625  ,  0.14257812,  0.10986328, -0.
15527344,
         0.171875  ,  0.18652344, -0.19726562,  0.06738281,  0.06591797,
         0.07128906,  0.10644531,  0.18066406,  0.02539062,  0.20898438,
        -0.11035156,  0.07080078,  0.11914062,  0.16699219,  0.17578125,
        -0.11376953,  0.14746094, -0.08251953,  0.3125    ,  0.06298828,
        -0.04418945, -0.09277344,  0.12060547,  0.23339844, -0.10888672,
         0.13964844, -0.24707031,  0.10107422, -0.03015137, -0.00653076,
        -0.09472656, -0.06591797,  0.04248047,  0.10302734,  0.05639648,
        -0.05419922,  0.17871094, -0.21679688, -0.04614258,  0.20019531,
        -0.2578125 ,  0.14648438, -0.01794434,  0.33398438, -0.13183594,
         0.19140625, -0.16699219, -0.13476562,  0.02429199,  0.03039551,
         0.19238281, -0.27929688, -0.33203125, -0.03930664, -0.13964844,
         0.09619141, -0.07373047,  0.01623535, -0.06176758,  0.296875  ,
        -0.17382812, -0.453125  ,  0.0546875 , -0.00756836,  0.01507568,
        -0.05761719, -0.01965332,  0.26953125,  0.08837891, -0.04882812,
        -0.08935547, -0.04638672,  0.13183594,  0.0050354 ,  0.23828125,
         0.1640625 ,  0.06445312, -0.07080078, -0.09375   ,  0.0703125 ,
        -0.359375  ,  0.13476562,  0.02746582, -0.11865234,  0.08154297,
         0.328125  , -0.31835938,  0.01794434,  0.12695312,  0.05859375,
         0.22363281, -0.109375  , -0.078125  , -0.20898438,  0.05297852,
        -0.04223633, -0.00143433, -0.04052734,  0.07373047,  0.06079102,
        -0.24316406, -0.171875  , -0.12109375,  0.171875  , -0.31445312,
        -0.17089844, -0.01806641,  0.04467773, -0.29296875, -0.10351562,
         0.07763672, -0.00610352, -0.12597656,  0.27929688,  0.01867676,
        -0.14550781, -0.08056641,  0.22167969,  0.06640625, -0.0078125 ,
        -0.09228516,  0.07763672, -0.11914062, -0.16015625, -0.03735352,
         0.01361084, -0.31445312, -0.00512695,  0.23730469, -0.15234375,
         0.14550781,  0.1171875 ,  0.00132751,  0.06787109, -0.0222168 ,
         0.1328125 , -0.06494141,  0.34960938, -0.03088379, -0.2578125 ,
        -0.08398438, -0.19042969, -0.00546265,  0.07275391, -0.06835938,
         0.05712891, -0.13378906, -0.02441406, -0.05566406, -0.02099609,
        -0.04589844,  0.1640625 , -0.25      ,  0.26757812,  0.11474609,
         0.13964844,  0.15039062,  0.01586914, -0.02832031,  0.02526855,
         0.25585938,  0.23242188,  0.0378418 ,  0.00346375,  0.06689453,
        -0.0324707 , -0.14550781,  0.15039062, -0.33984375, -0.11132812,
         0.02001953, -0.06933594,  0.02124023,  0.02502441,  0.07666016,
        -0.07373047, -0.03063965, -0.08886719,  0.15625   , -0.20898438,
         0.17285156, -0.22558594,  0.10791016,  0.07128906, -0.09863281,
         0.23828125,  0.21484375,  0.27148438, -0.16894531, -0.12451172,
        -0.08544922, -0.13671875,  0.08251953,  0.12109375, -0.03564453,
         0.09472656, -0.26171875, -0.18457031, -0.13671875, -0.01940918,
         0.08251953,  0.20507812, -0.04516602,  0.15722656, -0.25585938,
        -0.19140625, -0.07275391, -0.01696777,  0.07128906,  0.15527344,
        -0.3984375 ,  0.13378906,  0.03735352, -0.11962891,  0.11328125,
        -0.08789062,  0.328125  , -0.19335938,  0.04833984,  0.11523438,
         0.01068115,  0.04736328,  0.14257812,  0.04443359,  0.09179688,
         0.21679688, -0.21777344,  0.02026367,  0.18066406, -0.10986328,
        -0.10742188,  0.01660156, -0.22753906,  0.07470703, -0.01586914,
         0.0279541 ,  0.25      ,  0.03198242, -0.10791016, -0.16601562,
        -0.10791016, -0.09765625,  0.08789062, -0.08642578, -0.10400391,
        -0.05200195,  0.24121094,  0.18066406,  0.21386719, -0.18359375,
        -0.03271484, -0.34375   , -0.10351562, -0.15917969, -0.09667969,
        -0.15722656, -0.09082031,  0.11669922, -0.1171875 , -0.12695312,
         0.12695312,  0.12988281, -0.25195312, -0.25976562,  0.11816406,
        -0.49804688,  0.05444336, -0.07373047,  0.00052643,  0.03613281,
         0.01019287, -0.40039062,  0.00286865, -0.24023438,  0.140625  ,
         0.01446533,  0.02966309,  0.18066406,  0.21972656,  0.11376953,
        -0.07080078, -0.09179688,  0.06176758,  0.0859375 , -0.07519531,
        -0.265625  ,  0.10839844, -0.27148438,  0.09179688,  0.16992188,
```

```
        -0.22070312,  0.1796875 , -0.0456543 ,  0.13476562, -0.05151367],
       dtype=float32),
 'strategy': array([ 1.37695312e-01,  1.33789062e-01,  2.36816406e-02,  1.9
0429688e-01,
        -2.80761719e-02, -4.17480469e-02, -1.44653320e-02,  6.59179688e-03,
        -6.53076172e-03, -3.04687500e-01, -1.19628906e-01, -1.55273438e-01,
         1.84570312e-01, -9.37500000e-02, -2.09960938e-01,  8.88671875e-02,
        -3.07617188e-02, -1.40625000e-01,  4.49218750e-02, -1.78710938e-01,
         1.08642578e-02,  1.92382812e-01,  8.44726562e-02,  1.88476562e-01,
        -7.12890625e-02,  1.38671875e-01,  4.37011719e-02,  4.69970703e-03,
         1.34765625e-01,  1.54296875e-01,  2.61718750e-01, -3.17382812e-02,
        -5.05371094e-02, -1.09375000e-01,  1.67968750e-01,  2.91015625e-01,
         1.17675781e-01,  6.83593750e-02,  2.59765625e-01, -1.60156250e-01,
         1.81640625e-01,  2.83203125e-02, -1.68945312e-01, -4.54711914e-03,
        -1.31835938e-01, -8.05664062e-02, -6.25000000e-02, -2.16796875e-01,
        -4.69970703e-03,  1.91406250e-01,  1.16577148e-02,  2.30468750e-01,
        -6.17675781e-02,  1.16699219e-01,  1.14746094e-01, -1.15722656e-01,
        -1.08398438e-01, -1.14746094e-02,  1.66992188e-01, -2.20703125e-01,
        -8.59375000e-02,  2.89062500e-01, -1.93359375e-01,  7.76367188e-02,
        -3.56445312e-02,  7.12890625e-02,  1.03515625e-01,  1.88476562e-01,
        -4.85839844e-02, -4.80957031e-02, -1.32812500e-01,  2.48046875e-01,
         3.04687500e-01,  8.30078125e-02, -9.03320312e-02, -1.73828125e-01,
         1.03027344e-01,  1.38671875e-01, -1.28906250e-01, -1.00708008e-03,
         1.66992188e-01,  1.32446289e-02, -1.43554688e-01,  1.41601562e-01,
         2.46093750e-01, -1.92382812e-01,  3.32031250e-02,  1.97265625e-01,
         1.42578125e-01,  7.51953125e-02,  2.24609375e-01, -1.84570312e-01,
        -2.16796875e-01,  2.30468750e-01,  9.47265625e-02, -1.93359375e-01,
        -1.33789062e-01, -2.92968750e-01,  6.78710938e-02,  2.04101562e-01,
         1.51367188e-02, -7.27539062e-02, -3.05175781e-02,  2.23632812e-01,
        -1.69677734e-02, -8.49609375e-02,  3.87573242e-03, -1.58203125e-01,
         2.12402344e-02,  7.56835938e-02,  1.60156250e-01, -1.79687500e-01,
        -9.52148438e-02,  8.23974609e-03,  2.69531250e-01,  1.14257812e-01,
        -6.78710938e-02, -1.08398438e-01,  4.98046875e-02, -1.04003906e-01,
        -7.86132812e-02, -4.63867188e-02, -2.74658203e-02,  1.47460938e-01,
         4.29687500e-02, -6.29882812e-02,  5.98144531e-02,  7.32421875e-03,
        -3.00292969e-02,  1.51367188e-01,  1.62353516e-02, -1.76757812e-01,
        -6.03027344e-02, -6.34765625e-02,  1.44531250e-01,  1.72851562e-01,
         8.83789062e-02,  3.22265625e-02,  6.20117188e-02,  3.49609375e-01,
         3.53515625e-01, -1.78222656e-02,  2.34375000e-01, -2.09960938e-02,
        -9.37500000e-02, -1.39648438e-01,  2.72216797e-02, -5.34667969e-02,
        -6.83593750e-02,  1.40625000e-01,  6.83593750e-02,  4.51660156e-02,
         1.15722656e-01,  1.23535156e-01, -9.13085938e-02, -2.50000000e-01,
         4.95605469e-02,  1.99218750e-01, -1.08886719e-01, -6.64062500e-02,
        -4.19921875e-02,  4.76074219e-02,  9.52148438e-02, -2.77099609e-02,
        -6.59179688e-02,  3.39355469e-02,  3.00781250e-01, -2.31445312e-01,
         2.79296875e-01, -1.76757812e-01,  1.29882812e-01, -4.56542969e-02,
         2.61230469e-02, -9.52148438e-02,  3.22265625e-01, -4.10079956e-04,
         3.59375000e-01, -2.45117188e-01,  1.37695312e-01, -5.22460938e-02,
        -1.93359375e-01, -1.38671875e-01, -6.44531250e-02,  1.50756836e-02,
        -1.16210938e-01, -1.81640625e-01,  1.65039062e-01,  2.71484375e-01,
         4.05273438e-02,  1.45507812e-01, -1.07421875e-01, -2.51953125e-01,
        -5.12695312e-02,  3.66210938e-03, -3.43750000e-01, -8.34960938e-02,
         6.50024414e-03,  2.07031250e-01,  1.16699219e-01,  1.14135742e-02,
         1.59179688e-01,  1.69921875e-01,  7.76367188e-02,  1.18652344e-01,
         1.09863281e-01, -9.99450684e-04,  2.24609375e-01, -5.66406250e-02,
        -2.07519531e-02, -1.61132812e-01, -2.40234375e-01,  1.15966797e-02,
        -2.18750000e-01,  7.56835938e-02,  2.31445312e-01,  6.10351562e-02,
         1.25976562e-01, -6.88476562e-02, -1.63574219e-02,  2.63671875e-01,
        -1.13281250e-01,  1.40625000e-01,  1.99218750e-01,  4.93164062e-02,
        -1.96289062e-01, -1.70898438e-01, -9.39941406e-03, -5.66406250e-02,
         1.72851562e-01,  1.45507812e-01, -1.76757812e-01, -6.39648438e-02,
         1.04003906e-01, -1.76757812e-01,  2.19726562e-02,  1.03027344e-01,
        -1.25976562e-01,  1.87500000e-01,  7.22656250e-02, -1.62109375e-01,
        -2.55859375e-01,  1.10351562e-01,  1.87988281e-02, -1.86767578e-02,
```

```
         2.40234375e-01,  1.14746094e-02,  1.10839844e-01,  1.69921875e-01,
         1.26953125e-01,  1.34765625e-01, -2.00195312e-01,  3.01513672e-02,
        -1.08886719e-01,  1.20849609e-02,  1.04003906e-01, -5.56640625e-02,
        -8.69140625e-02, -1.64794922e-02, -1.84570312e-01, -2.59765625e-01,
         3.02734375e-01, -6.73828125e-02,  1.44531250e-01,  1.68945312e-01,
        -1.97265625e-01,  2.28515625e-01, -1.28906250e-01, -2.00195312e-01,
        -4.41406250e-01, -6.68945312e-02,  8.74023438e-02,  1.76757812e-01,
         1.28173828e-02, -3.97949219e-02, -1.53320312e-01,  2.28515625e-01,
         2.16064453e-02,  2.17773438e-01, -1.66015625e-02,  1.46484375e-01,
        -1.83105469e-03, -5.81054688e-02,  9.71679688e-02, -2.71606445e-03,
        -1.45507812e-01,  1.01562500e-01, -1.25000000e-01,  1.13769531e-01,
         8.05664062e-02, -2.39257812e-02, -3.12500000e-01,  1.23046875e-01,
         3.17382812e-02, -1.86523438e-01, -1.73828125e-01, -1.29882812e-01,
         3.47656250e-01, -8.20312500e-02, -4.17480469e-02,  6.59179688e-0
2],
       dtype=float32),
 'consultant': array([ 0.16015625, -0.125     , -0.12451172, -0.10888672, -
0.13867188,
         0.34570312, -0.03112793, -0.08203125, -0.08300781, -0.34960938,
         0.09326172, -0.04248047,  0.05761719, -0.31054688, -0.27734375,
         0.37890625,  0.12402344,  0.03833008, -0.00585938, -0.2421875 ,
        -0.17675781,  0.1875    , -0.03857422,  0.03015137,  0.03295898,
         0.07177734, -0.04614258,  0.10400391, -0.44335938, -0.36523438,
         0.04663086,  0.12597656, -0.14941406,  0.03979492,  0.09472656,
        -0.10644531, -0.09570312,  0.359375  ,  0.15820312, -0.38867188,
         0.04858398, -0.12109375, -0.14648438,  0.0456543 , -0.2578125 ,
        -0.22265625, -0.12353516, -0.18945312,  0.28515625,  0.24511719,
        -0.0859375 ,  0.11474609, -0.05200195, -0.08544922, -0.31445312,
        -0.08544922,  0.125     , -0.34570312,  0.01397705, -0.14550781,
        -0.08007812, -0.01397705, -0.22070312,  0.17285156,  0.07519531,
         0.07470703, -0.02856445,  0.4140625 ,  0.15136719, -0.18652344,
        -0.05981445, -0.10888672,  0.18066406,  0.01904297, -0.2578125 ,
        -0.01599121, -0.08300781,  0.20703125, -0.12695312,  0.10644531,
         0.28515625,  0.09912109, -0.29492188,  0.41601562,  0.04638672,
         0.11914062, -0.078125  ,  0.04003906,  0.13378906,  0.05834961,
         0.35351562, -0.12011719, -0.38867188,  0.20410156,  0.08447266,
        -0.02233887, -0.03955078,  0.01422119,  0.00958252,  0.04443359,
         0.03710938, -0.01348877,  0.04174805,  0.13378906,  0.17578125,
        -0.0300293 , -0.35742188,  0.06176758, -0.01806641, -0.22460938,
        -0.05639648,  0.04614258,  0.05419922, -0.17382812, -0.05444336,
        -0.15332031, -0.15722656,  0.04541016,  0.53515625,  0.23144531,
         0.00946045,  0.10742188, -0.27929688, -0.11376953, -0.15332031,
        -0.03515625,  0.17089844, -0.06494141,  0.25390625,  0.30664062,
        -0.11669922, -0.24023438, -0.18945312, -0.11083984, -0.1328125 ,
         0.26757812,  0.05297852,  0.34375   , -0.10644531,  0.14355469,
        -0.20410156,  0.07421875,  0.04980469,  0.10253906,  0.09082031,
         0.02062988, -0.14941406,  0.14160156,  0.05957031,  0.29882812,
         0.13476562,  0.13183594,  0.15136719,  0.2890625 ,  0.11669922,
         0.03735352,  0.05273438,  0.1875    , -0.05102539, -0.08056641,
        -0.06835938,  0.05615234,  0.10449219,  0.29101562,  0.10253906,
         0.24316406, -0.07714844, -0.34179688,  0.453125  ,  0.21484375,
         0.25585938,  0.19921875,  0.10498047,  0.08935547,  0.27929688,
         0.06347656,  0.12988281, -0.05126953, -0.00389099,  0.140625  ,
        -0.17382812, -0.20703125, -0.03198242,  0.07617188, -0.20605469,
        -0.15332031, -0.06689453, -0.00500488,  0.02954102,  0.13671875,
        -0.16015625,  0.22070312,  0.19140625,  0.04663086, -0.13378906,
         0.02429199, -0.22265625, -0.01733398,  0.03320312,  0.09033203,
        -0.17675781,  0.24511719,  0.19335938, -0.11181641,  0.0112915 ,
        -0.09570312, -0.0022583 , -0.07373047,  0.1640625 , -0.203125  ,
         0.10546875, -0.24609375, -0.09033203, -0.03271484,  0.10253906,
         0.20507812, -0.07519531, -0.18359375,  0.39453125,  0.1875    ,
         0.15332031, -0.11230469, -0.125     ,  0.03491211, -0.03320312,
         0.05249023,  0.10058594,  0.01867676, -0.31054688,  0.0222168 ,
         0.00891113, -0.25195312, -0.3046875 , -0.28515625, -0.23339844,
```

```
        -0.00418091,  0.10302734, -0.0625    , -0.1328125 , -0.23828125,
        -0.01269531, -0.12011719, -0.27734375, -0.08496094,  0.00817871,
        -0.08300781, -0.375     ,  0.04077148,  0.02392578, -0.24023438,
         0.02526855,  0.00231934, -0.15429688, -0.10644531,  0.14941406,
         0.15039062, -0.29492188,  0.28125   , -0.12011719, -0.05737305,
        -0.2578125 ,  0.01782227,  0.30664062, -0.19824219, -0.01348877,
         0.05761719, -0.32617188,  0.17871094,  0.09033203,  0.18261719,
         0.0703125 , -0.13378906, -0.012146  , -0.07177734, -0.27539062,
         0.03515625, -0.10058594,  0.18457031,  0.04443359, -0.19824219,
         0.05029297, -0.11962891, -0.07617188,  0.14453125,  0.01818848,
         0.08154297, -0.02062988,  0.15625   ,  0.15917969,  0.16894531,
        -0.02160645, -0.10888672, -0.02587891,  0.11279297,  0.15429688,
        -0.25585938,  0.02392578, -0.19433594, -0.01043701, -0.11035156],
       dtype=float32),
 'applicable': array([-2.79296875e-01, -2.34375000e-01,  2.61718750e-01,
1.44531250e-01,
        -2.18750000e-01, -2.50244141e-02,  1.94335938e-01,  1.82617188e-01,
         3.65234375e-01,  1.28784180e-02, -4.91333008e-03, -1.49414062e-01,
        -1.36718750e-01,  5.78613281e-02, -2.40234375e-01,  1.48437500e-01,
         1.31835938e-01,  8.11767578e-03,  1.25976562e-01, -3.88183594e-02,
        -1.98242188e-01, -1.70898438e-01, -3.94531250e-01,  1.33789062e-01,
         2.27539062e-01, -3.07617188e-02, -1.97265625e-01, -2.16796875e-01,
         9.86328125e-02,  1.51977539e-02, -5.90820312e-02, -4.29687500e-01,
         1.08032227e-02,  1.42578125e-01, -2.36328125e-01, -9.27734375e-02,
        -1.82617188e-01, -2.16796875e-01,  3.73046875e-01,  1.04003906e-01,
         2.48046875e-01,  1.20117188e-01,  4.24804688e-02, -7.86132812e-02,
        -6.68945312e-02, -2.55859375e-01, -6.59179688e-02,  6.34765625e-02,
         5.78613281e-02, -1.32812500e-01, -1.13769531e-01,  2.41699219e-02,
        -6.64062500e-02,  3.34472656e-02,  3.14941406e-02,  9.76562500e-02,
         5.98144531e-02, -1.97265625e-01,  1.43554688e-01, -1.87500000e-01,
        -1.76757812e-01, -2.52685547e-02, -9.42382812e-02, -7.12890625e-02,
        -4.51660156e-02, -2.57812500e-01, -2.06054688e-01,  2.57812500e-01,
        -1.30859375e-01, -1.43432617e-03,  7.95898438e-02, -3.61328125e-01,
         2.09960938e-02,  9.03320312e-02, -1.15234375e-01, -2.34375000e-01,
         3.71093750e-02, -4.39453125e-02,  1.20605469e-01,  2.04101562e-01,
        -1.97265625e-01, -7.42187500e-02, -1.66015625e-01,  1.55273438e-01,
         1.19628906e-01,  2.98828125e-01, -2.27539062e-01,  6.59179688e-03,
        -2.48046875e-01,  1.94335938e-01,  1.08398438e-01,  9.76562500e-02,
         1.93359375e-01, -3.43322754e-03,  1.94335938e-01,  7.12890625e-02,
         1.96289062e-01, -1.22070312e-01, -6.88476562e-02,  1.34765625e-01,
        -9.17968750e-02, -1.57226562e-01, -1.02539062e-01,  1.75781250e-02,
        -4.06250000e-01, -2.81250000e-01, -9.65118408e-04, -2.53906250e-02,
         1.02539062e-01, -6.54296875e-02, -3.29589844e-02, -3.82812500e-01,
        -2.57812500e-01,  2.69531250e-01,  2.61718750e-01,  3.61328125e-01,
        -2.31933594e-02, -2.43164062e-01,  2.48046875e-01,  3.39355469e-02,
         5.27343750e-02, -2.17773438e-01, -1.39160156e-02, -2.38281250e-01,
         1.91406250e-01,  3.73535156e-02,  2.09960938e-02, -8.83789062e-02,
         1.81884766e-02,  3.10546875e-01, -8.64257812e-02, -2.38281250e-01,
        -1.85546875e-01,  4.93164062e-02, -1.32812500e-01, -7.08007812e-02,
        -7.81250000e-02, -8.78906250e-02,  2.20703125e-01,  2.15148926e-03,
         9.91210938e-02,  4.02343750e-01,  4.93164062e-02,  1.00585938e-01,
         1.01074219e-01, -6.05468750e-02, -8.00781250e-02,  1.00585938e-01,
         5.15136719e-02,  3.35693359e-03,  9.17968750e-02,  1.41601562e-01,
        -2.53295898e-03, -2.19726562e-01, -7.56835938e-02, -1.99218750e-01,
        -6.93359375e-02,  2.11914062e-01,  6.64062500e-02,  9.32617188e-02,
         2.01171875e-01,  2.79296875e-01,  1.66992188e-01,  8.00781250e-02,
        -1.42578125e-01,  2.68554688e-02, -1.25976562e-01, -1.18164062e-01,
         1.01562500e-01, -2.83203125e-01, -1.85546875e-01, -2.41210938e-01,
        -3.17382812e-02, -1.77734375e-01,  1.36718750e-01,  9.52148438e-02,
         2.50000000e-01, -2.89062500e-01, -1.82617188e-01, -2.00195312e-01,
        -2.44140625e-01, -9.96093750e-02, -1.98242188e-01, -1.62109375e-01,
        -7.17773438e-02,  2.06054688e-01,  1.77734375e-01,  6.10351562e-02,
        -1.61743164e-03,  2.03125000e-01, -3.75000000e-01,  1.12792969e-01,
        -5.93261719e-02,  2.24609375e-02,  1.17675781e-01,  3.06640625e-01,
```

```
         5.37109375e-02, -7.08007812e-02,  1.01562500e-01, -3.90625000e-01,
        -8.20312500e-02,  3.16406250e-01,  8.00781250e-02, -2.25585938e-01,
        -4.66796875e-01, -1.53198242e-02, -7.61718750e-02,  1.28906250e-01,
         6.49414062e-02,  1.26953125e-01,  1.32812500e-01,  1.04492188e-01,
         2.75390625e-01,  1.38671875e-01, -2.87109375e-01,  4.76562500e-01,
        -4.78515625e-02,  2.69531250e-01, -6.54296875e-02, -8.15429688e-02,
        -8.74023438e-02, -5.64575195e-04,  1.33789062e-01, -2.32421875e-01,
        -1.25000000e-01, -3.66210938e-02,  2.09960938e-01, -1.06445312e-01,
        -4.63867188e-02,  5.03540039e-03,  5.41992188e-02,  1.30859375e-01,
         4.90722656e-02,  2.57812500e-01,  1.42578125e-01,  7.95898438e-02,
         1.50390625e-01, -3.12500000e-02,  6.15234375e-02,  2.44140625e-01,
         7.47070312e-02,  1.19140625e-01,  2.19726562e-01,  4.90722656e-02,
        -1.04492188e-01, -7.91015625e-02, -3.98437500e-01,  2.01171875e-01,
        -2.09960938e-02, -1.50390625e-01,  1.03515625e-01,  1.80664062e-01,
        -1.65039062e-01, -1.01074219e-01,  1.26953125e-01, -2.88085938e-02,
        -3.47656250e-01, -2.41699219e-02,  2.83203125e-01, -7.22656250e-02,
         1.07910156e-01, -1.54296875e-01, -1.43554688e-01, -5.59082031e-02,
        -3.12500000e-02, -2.22167969e-02,  2.31445312e-01, -2.51953125e-01,
        -8.97216797e-03, -4.88281250e-01,  1.68945312e-01,  2.22167969e-02,
        -8.49609375e-02,  1.99218750e-01,  3.45703125e-01, -2.94189453e-02,
        -1.86523438e-01,  2.59399414e-04, -2.25585938e-01,  2.64892578e-02,
        -2.81250000e-01,  6.12792969e-02,  1.30615234e-02,  6.22558594e-02,
         4.17480469e-02, -5.54199219e-02,  9.13085938e-02,  1.95312500e-01,
        -3.83300781e-02,  2.31933594e-02, -6.25000000e-02, -1.83593750e-01,
         1.55273438e-01,  1.61132812e-01,  4.25781250e-01,  1.77734375e-01,
        -1.05957031e-01, -2.89062500e-01,  4.93164062e-02, -1.43554688e-0
1],
       dtype=float32),
 'dsp': array([-0.02197266, -0.08203125, -0.11376953,  0.3046875 , -0.05639
648,
         0.01477051,  0.12890625,  0.01928711, -0.06201172, -0.06640625,
         0.07666016, -0.17871094, -0.2734375 , -0.08105469, -0.11572266,
         0.11914062,  0.10644531,  0.04614258, -0.296875  , -0.0300293 ,
        -0.12988281,  0.00349426, -0.02197266,  0.10449219, -0.19628906,
        -0.16210938, -0.23925781,  0.04174805,  0.02697754, -0.10791016,
         0.02770996,  0.1640625 ,  0.03222656, -0.09765625, -0.44140625,
        -0.05786133,  0.11523438,  0.109375  ,  0.15820312, -0.14453125,
         0.28320312,  0.06835938,  0.17089844,  0.07470703,  0.0390625 ,
        -0.03857422, -0.10644531, -0.2734375 ,  0.06835938,  0.15039062,
        -0.04736328,  0.05395508,  0.02539062, -0.08544922,  0.04956055,
         0.0625    ,  0.02514648, -0.30078125,  0.03112793,  0.04882812,
         0.07714844, -0.05908203, -0.13769531,  0.02307129, -0.09228516,
        -0.19824219,  0.12304688,  0.02355957,  0.03442383, -0.03344727,
         0.08105469,  0.02429199,  0.03344727, -0.2109375 , -0.01489258,
         0.0255127 ,  0.08203125,  0.08496094,  0.10595703, -0.07910156,
        -0.07910156,  0.3359375 , -0.04052734, -0.05102539,  0.33203125,
         0.171875  ,  0.1484375 ,  0.359375  , -0.05322266,  0.09863281,
        -0.01037598, -0.14257812, -0.20898438,  0.13378906,  0.09667969,
         0.05566406, -0.0246582 , -0.09716797,  0.20996094, -0.0703125 ,
         0.18554688,  0.109375  , -0.19726562,  0.02624512, -0.20898438,
         0.05126953,  0.07958984,  0.21484375,  0.36132812,  0.10839844,
        -0.19921875, -0.125     , -0.0859375 ,  0.12060547,  0.00741577,
         0.22460938, -0.14160156, -0.03369141,  0.26367188, -0.23535156,
         0.19238281,  0.06201172,  0.01544189, -0.03198242,  0.24902344,
         0.01953125, -0.35546875,  0.13085938,  0.21777344,  0.02978516,
         0.02355957,  0.04125977, -0.11865234,  0.20898438, -0.15136719,
        -0.03112793,  0.01660156, -0.04199219,  0.04370117,  0.18359375,
         0.15039062, -0.30273438, -0.21777344,  0.04052734,  0.0534668 ,
        -0.12109375,  0.09228516,  0.36132812, -0.22363281, -0.08837891,
         0.21875   , -0.08349609, -0.17480469, -0.0625    , -0.22753906,
        -0.18261719, -0.09619141,  0.41601562, -0.1953125 , -0.10302734,
        -0.22265625,  0.06689453, -0.21679688,  0.00378418, -0.03149414,
        -0.05957031,  0.05493164,  0.02441406, -0.38085938, -0.0222168 ,
        -0.34375   , -0.15234375,  0.11669922, -0.07910156, -0.05566406,
```

```
         0.00062943,  0.04785156, -0.29101562,  0.12597656, -0.00714111,
         0.12597656,  0.09863281, -0.01818848,  0.13378906,  0.2734375 ,
         0.18066406, -0.02404785, -0.08349609,  0.02075195, -0.12158203,
        -0.08300781, -0.11816406, -0.29492188, -0.09912109,  0.08447266,
        -0.01879883, -0.13183594, -0.09667969, -0.05688477, -0.08447266,
        -0.18945312,  0.17773438,  0.08691406, -0.01428223, -0.13476562,
        -0.07617188, -0.08740234,  0.00787354, -0.03051758, -0.05883789,
        -0.03613281,  0.03710938, -0.08300781, -0.0612793 , -0.10742188,
        -0.11425781,  0.09619141, -0.00405884, -0.1328125 , -0.15527344,
         0.01245117,  0.03613281,  0.11523438,  0.03540039, -0.30273438,
         0.13574219, -0.06054688, -0.06591797,  0.13769531,  0.14648438,
        -0.23144531, -0.14941406,  0.00241089, -0.13085938, -0.27539062,
        -0.03417969,  0.078125  ,  0.01989746,  0.04443359,  0.10742188,
         0.04052734,  0.10791016, -0.0480957 ,  0.08837891,  0.11962891,
        -0.19238281, -0.17089844,  0.33007812, -0.07958984, -0.07763672,
         0.12011719, -0.04589844,  0.16992188,  0.0072937 , -0.01672363,
        -0.21582031, -0.02575684, -0.01879883, -0.07421875, -0.01843262,
        -0.03198242, -0.00343323,  0.21191406, -0.1796875 ,  0.00848389,
         0.16699219, -0.12792969, -0.10449219, -0.11181641, -0.27734375,
        -0.03955078, -0.00772095, -0.19726562,  0.08935547,  0.18066406,
        -0.12988281, -0.04296875, -0.02502441, -0.05273438,  0.48828125,
         0.02160645,  0.11230469,  0.29296875,  0.02258301,  0.09765625,
         0.17480469,  0.20410156, -0.05517578,  0.21972656,  0.08154297,
        -0.0703125 ,  0.27539062, -0.00717163,  0.18359375, -0.0043335 ,
        -0.08837891,  0.03198242, -0.140625  , -0.25390625,  0.16015625],
       dtype=float32),
 'trainer': array([-5.10253906e-02, -8.49609375e-02,  8.49609375e-02, -1.84
570312e-01,
         8.60595703e-03,  3.37890625e-01, -1.58203125e-01, -7.22656250e-02,
        -3.29589844e-02, -2.63671875e-01,  1.66015625e-01, -3.34472656e-02,
         2.61718750e-01, -1.78710938e-01,  9.09423828e-03,  3.49609375e-01,
         6.73828125e-02,  1.97265625e-01, -4.17480469e-02, -1.25000000e-01,
         1.76757812e-01,  2.98828125e-01,  1.15234375e-01,  9.22851562e-02,
         7.47070312e-02, -1.59179688e-01, -3.55468750e-01,  4.06250000e-01,
        -1.96289062e-01, -2.10937500e-01, -9.13085938e-02, -7.27539062e-02,
         2.36328125e-01,  7.37304688e-02, -7.42187500e-02,  3.49121094e-02,
        -1.26953125e-01,  2.98828125e-01,  2.28515625e-01, -2.12890625e-01,
        -9.81445312e-02, -3.30078125e-01,  3.67187500e-01,  9.96093750e-02,
         2.05078125e-01,  4.24804688e-02,  1.75781250e-01,  3.56445312e-02,
         9.96093750e-02,  2.85156250e-01, -3.68652344e-02,  3.75976562e-02,
        -1.46484375e-01,  4.98046875e-02,  2.88085938e-02,  1.22070312e-02,
         3.22265625e-01,  2.89062500e-01, -3.37890625e-01, -7.47070312e-02,
         9.13085938e-02,  4.15039062e-02,  3.92578125e-01, -1.09863281e-01,
        -3.61328125e-02,  2.11914062e-01,  1.36718750e-01,  1.64062500e-01,
         5.54199219e-02, -6.49414062e-02,  7.86132812e-02,  3.24218750e-01,
        -1.53320312e-01,  2.09960938e-01, -3.16406250e-01, -1.47460938e-01,
         5.17578125e-02, -2.08984375e-01, -1.29882812e-01,  1.04003906e-01,
        -4.22363281e-02, -1.96289062e-01, -2.18505859e-02, -1.30859375e-01,
         2.21679688e-01, -1.43554688e-01, -1.46484375e-01,  1.74804688e-01,
         1.57226562e-01, -6.12792969e-02, -1.43554688e-01,  1.45507812e-01,
        -3.39843750e-01, -5.07812500e-02,  8.83789062e-02, -4.04296875e-01,
         1.99218750e-01,  3.02734375e-01,  1.53320312e-01, -2.81250000e-01,
         2.61230469e-02, -2.46093750e-01,  4.33593750e-01,  5.73730469e-03,
         3.33984375e-01,  5.34667969e-02, -8.69140625e-02,  1.32812500e-01,
         2.59765625e-01, -1.41601562e-01,  1.74804688e-01,  1.05468750e-01,
         1.00585938e-01, -4.46777344e-02, -1.59179688e-01, -5.56640625e-02,
        -3.65234375e-01, -1.19628906e-01,  1.53320312e-01,  2.61718750e-01,
        -2.17773438e-01,  1.91406250e-01,  9.86328125e-02, -2.50000000e-01,
        -1.15722656e-01, -1.32812500e-01, -3.24218750e-01, -3.71093750e-01,
         2.55584717e-04,  3.80859375e-01, -3.73046875e-01,  1.55273438e-01,
        -1.13769531e-01, -2.41210938e-01,  6.95800781e-03, -2.85156250e-01,
         1.32812500e-01,  2.48046875e-01, -5.78125000e-01,  4.66796875e-01,
        -3.02734375e-01,  2.04101562e-01, -1.13281250e-01, -2.29492188e-01,
         1.57165527e-03, -7.66601562e-02,  2.44140625e-02,  1.48437500e-01,
```

```
        -5.68847656e-02,  4.95605469e-02,  1.52343750e-01,  6.00585938e-02,
        -1.79687500e-01,  3.41796875e-02, -1.38671875e-01,  1.54296875e-01,
         2.31445312e-01, -1.98242188e-01,  5.39550781e-02, -2.83203125e-01,
         1.04492188e-01,  7.81250000e-02,  3.16406250e-01,  8.30078125e-02,
         1.96289062e-01, -3.30078125e-01, -2.32421875e-01, -4.82421875e-01,
         2.81250000e-01,  2.08007812e-01,  1.25000000e-01, -1.07421875e-01,
        -1.19628906e-01,  3.36914062e-02,  7.42187500e-02,  3.00781250e-01,
         1.42578125e-01, -1.25732422e-02, -1.41601562e-01,  8.30078125e-02,
        -2.13867188e-01, -1.79687500e-01, -1.55273438e-01, -8.78906250e-02,
        -2.08740234e-02, -1.66015625e-01,  1.99218750e-01,  3.10058594e-02,
        -2.99072266e-02,  9.17968750e-02, -1.70898438e-01, -7.38525391e-03,
         1.76757812e-01,  5.46875000e-02,  7.56835938e-02, -9.37500000e-02,
        -1.79687500e-01,  7.76367188e-02, -1.63085938e-01,  3.44238281e-02,
        -2.39257812e-01, -1.04980469e-01, -3.45703125e-01,  1.58203125e-01,
        -9.57031250e-02, -2.24609375e-01, -3.78906250e-01, -5.44433594e-02,
         1.47460938e-01, -1.44531250e-01, -2.77343750e-01, -2.75390625e-01,
         3.39843750e-01, -9.71679688e-02,  4.62890625e-01,  2.81250000e-01,
        -1.43554688e-01, -3.59375000e-01, -1.61132812e-01, -8.74023438e-02,
         1.67968750e-01,  3.16406250e-01,  1.26953125e-01,  5.59082031e-02,
         1.40625000e-01, -1.81884766e-02,  1.36718750e-01, -9.71679688e-02,
         9.08203125e-02, -2.77343750e-01,  1.35742188e-01, -1.62109375e-01,
        -2.51953125e-01, -2.00195312e-01,  1.43554688e-01,  1.66015625e-01,
         3.22265625e-02, -1.25000000e-01,  3.49121094e-02, -1.69921875e-01,
         1.53320312e-01, -4.83398438e-02,  1.63085938e-01,  4.30297852e-03,
         2.46093750e-01, -2.18750000e-01, -4.96093750e-01,  3.28125000e-01,
         2.77343750e-01,  2.14843750e-01, -1.50390625e-01,  1.92382812e-01,
         6.25000000e-02, -3.04687500e-01,  1.21093750e-01,  3.65234375e-01,
        -3.22265625e-01, -1.97265625e-01, -3.43750000e-01,  1.54296875e-01,
        -2.25585938e-01,  1.91406250e-01, -1.00097656e-02, -1.23046875e-01,
         7.95898438e-02, -4.22363281e-02,  7.27539062e-02, -5.12695312e-03,
        -2.73437500e-01,  1.40625000e-01, -1.61132812e-01, -1.49414062e-01,
        -3.16406250e-01,  3.93066406e-02, -1.12304688e-01,  1.23535156e-01,
        -3.73046875e-01, -1.76757812e-01,  1.02050781e-01, -4.66308594e-02,
         3.24218750e-01, -1.87988281e-02,  2.27539062e-01, -1.62109375e-01,
         7.37304688e-02,  1.30859375e-01, -1.41601562e-01,  2.16796875e-01,
         2.75390625e-01,  1.72851562e-01, -1.06445312e-01,  6.59179688e-02,
         6.49414062e-02, -8.39843750e-02,  2.69531250e-01, -3.43750000e-01,
        -9.27734375e-02,  1.01074219e-01, -2.27539062e-01, -1.20605469e-0
1],
       dtype=float32),
 'assist': array([-0.11376953, -0.01879883,  0.01385498,  0.07861328, -0.04
760742,
         0.24609375,  0.16992188, -0.08105469, -0.04443359, -0.38085938,
         0.21386719,  0.02526855,  0.06933594,  0.421875  ,  0.22558594,
        -0.14746094, -0.01708984,  0.00289917,  0.01660156, -0.01330566,
         0.31640625,  0.14746094,  0.07470703, -0.09423828,  0.02966309,
         0.08642578, -0.04077148, -0.05541992, -0.07714844, -0.10693359,
         0.20703125, -0.23242188,  0.04223633,  0.02844238,  0.04321289,
        -0.17089844, -0.0324707 , -0.12597656,  0.0088501 ,  0.09033203,
         0.19824219,  0.44140625, -0.14160156, -0.04614258,  0.03735352,
        -0.09667969, -0.18652344, -0.18847656,  0.12695312,  0.32421875,
         0.07910156,  0.12060547,  0.19824219, -0.16894531, -0.14257812,
        -0.08935547, -0.17382812, -0.12597656,  0.15820312, -0.171875  ,
        -0.19140625, -0.07666016, -0.17675781,  0.109375  , -0.02111816,
        -0.20800781, -0.25195312, -0.29296875, -0.12988281,  0.30273438,
        -0.0390625 , -0.15722656,  0.16503906, -0.109375  ,  0.03393555,
        -0.38867188,  0.21777344,  0.09423828,  0.15820312,  0.18359375,
        -0.20507812,  0.21484375, -0.15917969, -0.08251953,  0.26367188,
        -0.01782227, -0.06542969, -0.14550781,  0.08691406,  0.01306152,
         0.25195312, -0.05395508,  0.03686523, -0.14550781,  0.421875  ,
        -0.26757812,  0.01293945, -0.06689453, -0.17285156, -0.01452637,
         0.1953125 ,  0.04223633,  0.04394531,  0.11376953,  0.00405884,
        -0.19726562, -0.08056641, -0.06396484,  0.11181641,  0.09912109,
        -0.06640625, -0.11865234, -0.10009766, -0.04980469, -0.22167969,
```

```
         0.12207031, -0.00585938,  0.15625   ,  0.08154297,  0.17382812,
         0.03393555,  0.06933594, -0.08740234,  0.16601562, -0.10449219,
         0.13964844, -0.0246582 , -0.32617188,  0.18164062,  0.5859375 ,
         0.15625   , -0.09082031, -0.0456543 , -0.00695801, -0.07958984,
         0.08984375, -0.05273438, -0.01733398, -0.03637695,  0.02966309,
         0.11572266,  0.26953125, -0.18359375,  0.20507812,  0.01879883,
        -0.03320312, -0.09375   , -0.05859375, -0.01794434,  0.04125977,
        -0.10400391,  0.14160156, -0.24707031,  0.16992188,  0.08984375,
         0.02233887, -0.05566406, -0.22070312, -0.12597656, -0.13476562,
        -0.04101562,  0.08691406,  0.03222656, -0.18164062,  0.07373047,
         0.04858398,  0.05371094, -0.02709961,  0.21484375, -0.14746094,
         0.04443359,  0.04980469,  0.04589844, -0.13085938,  0.21777344,
        -0.078125  ,  0.22949219,  0.06591797, -0.359375  ,  0.01940918,
        -0.25390625, -0.12988281,  0.16113281,  0.03930664, -0.375     ,
        -0.01721191, -0.11181641,  0.04248047, -0.08691406, -0.03613281,
        -0.06787109, -0.00408936,  0.28710938,  0.02880859, -0.05859375,
         0.04174805,  0.26757812, -0.046875  , -0.29492188, -0.27148438,
        -0.07470703,  0.05004883, -0.04321289, -0.11474609, -0.15429688,
        -0.26953125, -0.18164062,  0.00994873,  0.22363281, -0.02966309,
         0.08984375, -0.07226562, -0.08154297,  0.06445312,  0.12207031,
         0.01989746,  0.25195312,  0.07080078,  0.015625  , -0.32617188,
         0.08935547,  0.21289062, -0.0625    , -0.06494141,  0.08984375,
        -0.03540039, -0.14941406,  0.19628906,  0.07421875, -0.15917969,
         0.25      ,  0.05761719, -0.21875   , -0.07421875, -0.16796875,
        -0.26953125, -0.09912109, -0.23339844, -0.17285156,  0.07421875,
        -0.20703125,  0.16015625,  0.07275391,  0.04296875, -0.12597656,
        -0.09375   ,  0.04443359,  0.08544922,  0.08691406, -0.33007812,
         0.14355469, -0.06005859,  0.15917969,  0.3203125 ,  0.02148438,
        -0.09375   ,  0.22851562,  0.05957031, -0.140625  , -0.14746094,
        -0.12890625, -0.02026367,  0.05053711,  0.23339844,  0.21875   ,
         0.16210938, -0.02734375,  0.24609375, -0.15429688, -0.19628906,
         0.08496094, -0.03686523, -0.24804688,  0.11767578,  0.15332031,
         0.109375  ,  0.12402344, -0.12158203,  0.08203125,  0.14941406,
        -0.13769531, -0.12255859,  0.0703125 ,  0.17773438, -0.15820312,
         0.25585938, -0.05297852, -0.18457031,  0.23925781, -0.07128906,
        -0.046875  , -0.11523438,  0.04345703,  0.03588867, -0.08886719,
         0.07324219, -0.11523438,  0.11474609, -0.38085938, -0.07617188],
       dtype=float32),
 'development': array([-1.57226562e-01,  3.07617188e-02, -6.95800781e-03, -
4.76074219e-02,
        -1.44531250e-01, -1.04003906e-01,  1.36718750e-01, -2.79296875e-01,
        -1.04980469e-01,  9.52148438e-02, -2.19726562e-01, -4.48226929e-04,
        -1.46484375e-01, -1.32812500e-01, -1.65039062e-01, -9.22851562e-02,
        -1.88476562e-01,  1.30004883e-02, -1.25976562e-01,  1.36718750e-01,
        -2.75390625e-01,  3.61328125e-02, -7.51953125e-02,  1.73828125e-01,
        -1.62353516e-02,  1.00097656e-01,  6.34765625e-02, -2.09960938e-02,
        -6.22558594e-03,  6.68334961e-03, -2.06298828e-02, -9.61914062e-02,
         4.56542969e-02, -1.14746094e-01,  3.49121094e-02,  1.67236328e-02,
        -1.05957031e-01,  5.85937500e-02,  1.00585938e-01, -1.74804688e-01,
         6.29882812e-02,  9.76562500e-02,  3.95507812e-02,  1.90429688e-01,
        -1.84570312e-01, -1.31835938e-01, -7.42187500e-02, -1.77764893e-03,
        -9.42382812e-02,  1.75781250e-01,  2.50000000e-01,  3.38745117e-03,
         1.91650391e-02, -8.00781250e-02,  1.80664062e-01,  4.83398438e-02,
        -1.49414062e-01, -2.32421875e-01,  8.98437500e-02, -3.82995605e-03,
        -2.46093750e-01,  1.91650391e-02,  9.57031250e-02, -5.32226562e-02,
        -1.09375000e-01,  8.74023438e-02,  6.88476562e-02,  8.44726562e-02,
         1.08886719e-01,  1.13769531e-01, -3.93066406e-02, -1.28906250e-01,
         1.35742188e-01, -1.23535156e-01, -1.58691406e-02,  4.21142578e-03,
        -1.18164062e-01, -5.02929688e-02, -1.04003906e-01,  3.02734375e-01,
         9.52148438e-02,  2.46582031e-02, -1.73828125e-01,  2.25585938e-01,
         1.56250000e-01, -8.83789062e-02, -1.25000000e-01,  1.95312500e-01,
         8.74023438e-02, -6.17675781e-02,  1.37695312e-01, -2.30468750e-01,
         1.25122070e-03, -6.10351562e-02,  7.27539062e-02, -1.07910156e-01,
        -2.39257812e-02, -8.69140625e-02,  6.20117188e-02,  9.13085938e-02,
```

```
        -5.73730469e-02, -1.00585938e-01,  1.45507812e-01,  1.55273438e-01,
         1.04492188e-01, -7.01904297e-03, -9.86328125e-02,  3.36914062e-02,
         1.33789062e-01,  2.28271484e-02, -1.21093750e-01,  2.24609375e-01,
        -2.20537186e-05,  1.70898438e-01,  8.59375000e-02, -1.05468750e-01,
         1.15966797e-02,  2.66113281e-02,  3.69140625e-01, -2.29492188e-01,
         7.91015625e-02,  6.03027344e-02, -7.86132812e-02,  2.77343750e-01,
        -2.18750000e-01, -2.80761719e-02, -1.35742188e-01, -1.04980469e-02,
        -1.79443359e-02, -3.97949219e-02, -2.38037109e-03,  1.54296875e-01,
        -4.83398438e-02,  2.14843750e-02, -7.75146484e-03,  2.14843750e-01,
        -3.56445312e-02, -8.93554688e-02,  1.48315430e-02, -5.12695312e-03,
         1.30615234e-02, -9.47265625e-02, -2.36328125e-01,  1.80664062e-01,
         8.44726562e-02, -1.64062500e-01,  2.24609375e-02,  3.70025635e-04,
         6.92749023e-03, -1.76757812e-01,  9.81445312e-02, -1.71875000e-01,
         1.06445312e-01,  1.02050781e-01, -5.32226562e-02,  5.56640625e-02,
         7.81250000e-02,  4.39453125e-02,  1.08886719e-01, -2.53906250e-01,
         1.16699219e-01, -1.05468750e-01, -5.59082031e-02,  3.06640625e-01,
        -9.70458984e-03,  3.49121094e-02,  1.80664062e-01, -1.54296875e-01,
         3.73535156e-02, -2.25585938e-01,  1.31835938e-01, -2.74658203e-04,
         4.90722656e-02, -1.08398438e-01,  3.75000000e-01,  7.76367188e-02,
         4.19921875e-02, -3.12500000e-01,  7.86132812e-02,  2.31445312e-01,
        -1.35742188e-01, -6.49414062e-02,  9.91210938e-02, -1.45507812e-01,
        -7.42187500e-02,  1.08398438e-01,  1.19140625e-01,  1.52343750e-01,
         7.66601562e-02,  4.24194336e-03, -1.84570312e-01, -5.83496094e-02,
        -8.44726562e-02, -1.56250000e-01, -4.02832031e-02, -3.34472656e-02,
        -5.95703125e-02,  3.24707031e-02,  1.78710938e-01, -1.32812500e-01,
         5.81054688e-02,  6.20117188e-02,  4.98046875e-02, -2.08007812e-01,
        -8.44726562e-02, -4.61425781e-02,  1.32812500e-01, -3.46679688e-02,
         2.11914062e-01,  1.50390625e-01,  4.66308594e-02, -1.90429688e-01,
        -1.44531250e-01,  2.18750000e-01,  3.68652344e-02,  6.49414062e-02,
         1.73828125e-01, -1.06445312e-01,  4.80957031e-02, -4.80957031e-02,
         1.08886719e-01, -3.32031250e-02,  1.30859375e-01,  3.68652344e-02,
        -5.29785156e-02, -4.07714844e-02,  1.94091797e-02, -7.76367188e-02,
        -1.10839844e-01,  7.91015625e-02,  1.41601562e-01,  3.54003906e-02,
        -1.10839844e-01, -3.47656250e-01,  6.07299805e-03, -4.58984375e-02,
        -3.55529785e-03, -4.63867188e-02,  3.33984375e-01, -2.50000000e-01,
         2.61230469e-02, -3.90625000e-02,  4.73632812e-02, -1.58203125e-01,
         4.54711914e-03, -1.69921875e-01, -7.12890625e-02, -3.61328125e-02,
        -2.97851562e-02, -1.28173828e-02,  4.76074219e-02,  1.81640625e-01,
         8.39843750e-02,  1.07421875e-01,  3.10058594e-02,  1.21582031e-01,
         6.19506836e-03, -1.28906250e-01, -2.46093750e-01, -4.83398438e-02,
        -6.88476562e-02, -1.01562500e-01,  6.98242188e-02,  2.24609375e-01,
         7.56835938e-02,  2.31445312e-01, -4.15039062e-02, -1.23901367e-02,
        -5.35156250e-01,  1.85546875e-02, -1.77734375e-01, -2.13867188e-01,
        -1.63085938e-01, -2.83203125e-01, -8.83789062e-02, -1.16577148e-02,
        -1.01562500e-01, -1.25732422e-02, -1.74804688e-01, -2.51953125e-01,
         1.34765625e-01, -4.68750000e-02,  1.77734375e-01,  1.87500000e-01,
        -4.46777344e-02,  3.33984375e-01, -1.28906250e-01, -6.68945312e-02,
         2.21679688e-01, -1.29882812e-01, -2.53906250e-01,  7.66601562e-02,
        -8.93554688e-02,  5.34667969e-02,  4.80957031e-02,  5.39550781e-02,
        -3.51562500e-02, -1.46484375e-01,  1.25732422e-02,  1.10351562e-0
1],
       dtype=float32),
 'facilitation': array([-8.93554688e-02,  1.59179688e-01,  4.10156250e-02,
-1.45507812e-01,
        -5.85937500e-02,  1.34765625e-01, -2.58789062e-02,  4.69970703e-03,
        -8.05664062e-02, -2.01171875e-01,  1.22070312e-01, -1.15722656e-01,
        -5.37109375e-02,  1.00097656e-01,  3.12500000e-02, -4.12597656e-02,
        -5.31005859e-03, -1.20605469e-01, -6.12792969e-02, -7.17773438e-02,
         5.10253906e-02, -5.56640625e-02,  2.96630859e-02,  2.21679688e-01,
         8.00781250e-02, -1.64062500e-01, -3.88183594e-02,  7.81250000e-02,
         8.39843750e-02, -1.50390625e-01,  8.17871094e-03, -6.21093750e-01,
        -4.82177734e-03,  1.33789062e-01, -1.13525391e-02,  5.41992188e-02,
        -9.61914062e-02,  5.63964844e-02,  2.49023438e-01, -5.00000000e-01,
        -8.98437500e-02,  1.07421875e-01, -1.82617188e-01,  4.39453125e-02,
```

```
-1.45507812e-01, -4.76562500e-01, -3.39355469e-02, -6.68945312e-02,
 1.22680664e-02,  9.22851562e-02, -1.07421875e-01, -1.51367188e-01,
-9.57031250e-02, -1.11328125e-01, -1.25000000e-01,  7.61718750e-02,
-1.81640625e-01,  7.51953125e-02, -1.86767578e-02, -7.47070312e-02,
-3.43750000e-01, -2.17773438e-01, -3.95507812e-02,  6.29882812e-02,
 7.93457031e-03, -8.66699219e-03, -3.49609375e-01, -4.88281250e-02,
 6.34765625e-02,  5.24902344e-02,  7.22656250e-02, -3.03955078e-02,
 3.53515625e-01,  3.20312500e-01, -1.30859375e-01, -4.98046875e-01,
-3.95507812e-02,  2.16796875e-01,  2.34375000e-02,  1.89453125e-01,
-2.55859375e-01,  1.00708008e-02, -2.49023438e-01,  2.09960938e-02,
 2.43186951e-04, -1.67968750e-01,  7.32421875e-02, -6.64062500e-02,
-3.01513672e-02,  2.46093750e-01,  2.34375000e-01, -1.05957031e-01,
-2.87109375e-01, -2.44140625e-01,  7.61718750e-02, -2.38281250e-01,
 2.97851562e-02, -1.14257812e-01, -7.17773438e-02, -1.90429688e-01,
-2.67333984e-02, -1.89453125e-01,  5.76171875e-02,  9.64355469e-03,
-6.17675781e-02,  1.03515625e-01, -1.31835938e-01, -1.20117188e-01,
 4.06250000e-01,  8.97216797e-03, -5.83496094e-02,  8.15429688e-02,
-2.67578125e-01,  1.87500000e-01, -6.34765625e-02,  2.06054688e-01,
-9.27734375e-03,  6.10351562e-02,  2.65625000e-01,  2.96875000e-01,
 1.35742188e-01,  8.00781250e-02, -7.08007812e-02,  2.87109375e-01,
-2.81250000e-01,  1.57226562e-01, -2.89062500e-01,  2.29492188e-01,
 8.54492188e-02,  2.09960938e-01, -1.03515625e-01,  2.39257812e-01,
 4.07714844e-02, -6.64062500e-02, -3.04687500e-01, -1.55273438e-01,
-1.29882812e-01, -2.53906250e-02, -1.17675781e-01, -1.42578125e-01,
-8.88671875e-02,  5.20019531e-02, -8.44726562e-02, -8.10546875e-02,
-3.32031250e-01, -4.30297852e-03, -1.32812500e-01, -8.59375000e-02,
-6.25610352e-03,  2.01171875e-01,  2.41210938e-01,  8.44726562e-02,
-1.10351562e-01,  7.42187500e-02,  7.91015625e-02, -2.50000000e-01,
 2.43164062e-01,  7.51953125e-02, -1.44042969e-02,  5.56640625e-02,
 2.90527344e-02, -1.84570312e-01, -8.05664062e-02,  3.08837891e-02,
-1.61132812e-01,  3.07617188e-02,  2.57812500e-01, -1.94335938e-01,
 8.34960938e-02, -4.58984375e-02,  8.54492188e-02,  9.08203125e-02,
-8.49609375e-02, -3.10546875e-01,  1.23046875e-01,  1.81640625e-01,
 1.17675781e-01, -4.78515625e-01, -7.81250000e-03,  1.10351562e-01,
-1.98242188e-01, -2.81250000e-01,  2.65625000e-01,  1.02539062e-01,
-4.61425781e-02,  2.01416016e-02,  1.86523438e-01, -1.58203125e-01,
-8.20312500e-02, -4.91333008e-03, -1.43554688e-01, -1.11328125e-01,
 7.37304688e-02,  6.59179688e-02,  3.24218750e-01, -1.23046875e-01,
-2.71484375e-01, -2.16796875e-01,  1.91406250e-01, -3.30078125e-01,
 1.50390625e-01,  6.37817383e-03,  1.19628906e-01, -1.12792969e-01,
-1.85966492e-04, -1.10839844e-01, -7.61718750e-02, -4.54101562e-02,
 1.72851562e-01, -4.88281250e-02,  1.48437500e-01, -1.42578125e-01,
-8.69140625e-02,  1.74804688e-01,  1.84326172e-02, -9.81445312e-02,
-5.02929688e-02,  1.08398438e-01, -2.09960938e-01, -3.17382812e-02,
 2.30712891e-02, -1.06933594e-01,  6.39648438e-02,  3.29589844e-02,
-2.01171875e-01, -6.49414062e-02,  3.86718750e-01,  4.22363281e-02,
 6.15234375e-02,  6.39648438e-02,  1.20849609e-02, -6.34765625e-03,
-1.29882812e-01,  2.38281250e-01, -2.85156250e-01, -7.51953125e-02,
 2.31445312e-01,  1.57226562e-01,  3.06640625e-01, -1.32812500e-01,
 2.77343750e-01,  1.34765625e-01, -6.25000000e-02, -7.56835938e-02,
-1.69921875e-01, -3.71093750e-01, -1.57226562e-01, -2.75878906e-02,
-9.81445312e-02, -2.83203125e-01,  2.06054688e-01,  3.30078125e-01,
-5.40161133e-03,  2.48046875e-01, -3.88183594e-02,  1.10351562e-01,
 1.66015625e-01,  1.48437500e-01, -1.84570312e-01, -3.08593750e-01,
 7.76367188e-02, -2.53906250e-01,  5.76171875e-02,  2.88085938e-02,
 4.71191406e-02,  3.56445312e-02,  1.80664062e-02, -6.10351562e-02,
-5.03906250e-01,  1.62109375e-01,  6.64062500e-02,  6.98242188e-02,
 4.12597656e-02,  1.94091797e-02,  2.11914062e-01,  1.05957031e-01,
-1.93359375e-01,  2.09960938e-01, -1.10351562e-01,  1.87988281e-02,
-6.04248047e-03, -9.86328125e-02, -2.68554688e-02, -7.86132812e-02,
-3.51562500e-02,  1.43554688e-01, -1.06445312e-01, -1.68945312e-01,
 1.97753906e-02,  2.35351562e-01, -2.46093750e-01, -7.86132812e-02,
 3.37890625e-01, -9.08203125e-02, -7.61718750e-02,  3.04687500e-01,
-9.82666016e-03, -8.64257812e-02, -1.17187500e-01,  7.22656250e-0
```

```
2],
       dtype=float32),
 'using': array([ 0.13476562, -0.00141907,  0.08544922,  0.05834961, -0.060
05859,
         0.17578125, -0.05102539, -0.08007812, -0.08056641,  0.1875    ,
         0.00080109, -0.12988281, -0.26367188, -0.02966309, -0.07519531,
        -0.20898438, -0.04296875, -0.01867676, -0.18554688, -0.10351562,
        -0.1640625 ,  0.00189972, -0.13476562,  0.03271484, -0.12255859,
        -0.17675781, -0.05297852,  0.29101562, -0.07373047, -0.00393677,
         0.10742188, -0.07226562, -0.01879883, -0.15234375,  0.140625  ,
        -0.0112915 , -0.07714844, -0.11914062,  0.08837891, -0.29296875,
         0.265625  ,  0.18945312,  0.19238281, -0.08398438,  0.00488281,
        -0.06201172, -0.125     ,  0.23339844, -0.02539062,  0.13476562,
        -0.18457031, -0.06787109, -0.04638672, -0.23046875, -0.00201416,
         0.01965332, -0.08105469, -0.15820312,  0.12207031, -0.02197266,
        -0.02355957,  0.08789062, -0.03393555, -0.08496094,  0.1328125 ,
         0.09472656, -0.20117188,  0.15136719,  0.07080078, -0.00909424,
        -0.03881836,  0.08886719,  0.1328125 ,  0.03564453, -0.02612305,
        -0.04760742,  0.24316406,  0.03637695, -0.08251953,  0.10205078,
        -0.05786133,  0.02172852,  0.13769531,  0.17773438,  0.16015625,
        -0.01263428, -0.10400391,  0.15234375, -0.05151367,  0.19824219,
        -0.12792969,  0.04248047,  0.05786133, -0.10449219,  0.05834961,
         0.07568359, -0.02404785, -0.02258301,  0.09960938,  0.21875   ,
         0.00271606, -0.2734375 ,  0.19726562, -0.02319336, -0.0300293 ,
         0.18066406, -0.19238281,  0.07861328,  0.1171875 , -0.11523438,
        -0.24023438,  0.15429688, -0.125     , -0.1171875 ,  0.04223633,
         0.16601562,  0.01611328,  0.05224609,  0.015625  ,  0.00115967,
        -0.00497437, -0.10546875, -0.08496094, -0.00213623,  0.0456543 ,
        -0.01177979, -0.03027344, -0.04980469,  0.00463867, -0.02990723,
         0.01092529,  0.01391602, -0.13183594,  0.006073  ,  0.00537109,
        -0.14257812,  0.14160156, -0.09277344, -0.12304688,  0.09863281,
         0.04882812, -0.13574219, -0.31640625,  0.08056641,  0.20898438,
         0.01409912, -0.17285156, -0.28320312,  0.02856445, -0.02648926,
         0.109375  , -0.09423828, -0.12597656, -0.14453125,  0.0402832 ,
        -0.08251953, -0.31835938, -0.01208496, -0.05297852,  0.07910156,
         0.05126953,  0.23144531, -0.078125  , -0.15136719, -0.21875   ,
        -0.02587891,  0.02966309, -0.15722656,  0.00202942, -0.16601562,
        -0.10351562, -0.05688477, -0.11181641,  0.13085938,  0.01239014,
         0.00491333,  0.03759766, -0.12695312, -0.3046875 ,  0.10791016,
         0.07275391, -0.08935547,  0.02441406, -0.01293945,  0.14550781,
        -0.25585938, -0.25585938, -0.09863281,  0.00506592, -0.00286865,
        -0.17578125,  0.12451172,  0.16601562, -0.2578125 , -0.04467773,
        -0.03112793, -0.0402832 , -0.17089844,  0.02001953, -0.15234375,
         0.08544922,  0.14648438,  0.01574707,  0.0324707 , -0.22167969,
         0.18554688,  0.12792969,  0.0378418 , -0.23046875, -0.15625   ,
         0.06982422,  0.0255127 , -0.01550293,  0.18359375,  0.06542969,
         0.01989746,  0.11816406, -0.04614258, -0.12011719,  0.09082031,
         0.0111084 ,  0.03027344,  0.02062988, -0.00982666, -0.04223633,
         0.22265625, -0.07373047, -0.01403809,  0.03173828, -0.07714844,
         0.05126953, -0.0612793 ,  0.04272461,  0.12255859,  0.03112793,
        -0.1640625 ,  0.04956055, -0.02172852,  0.02868652, -0.03588867,
        -0.03564453,  0.12792969,  0.06738281, -0.11035156,  0.12304688,
         0.00427246, -0.10498047,  0.21972656,  0.1953125 , -0.11474609,
         0.02258301,  0.00309753,  0.06079102,  0.00439453,  0.13867188,
         0.07519531, -0.00101471, -0.04418945,  0.04858398,  0.01586914,
        -0.06640625,  0.03442383,  0.06689453, -0.00151825, -0.15039062,
        -0.08447266,  0.11669922,  0.01708984,  0.08447266,  0.1640625 ,
         0.14453125,  0.02819824,  0.05322266,  0.20019531,  0.0168457 ,
        -0.17675781, -0.18554688, -0.04956055, -0.16992188, -0.10839844,
        -0.04150391,  0.125     ,  0.06542969, -0.00350952, -0.07226562,
        -0.08691406,  0.00196838, -0.08740234,  0.04345703, -0.08496094,
        -0.125     ,  0.09130859, -0.06176758,  0.06347656, -0.01361084,
        -0.05541992,  0.22460938, -0.05664062, -0.26757812,  0.10839844],
       dtype=float32),
```

```
 'discrete': array([ 0.01361084, -0.17382812, -0.08154297,  0.39453125, -0.
15820312,
         0.06054688, -0.14160156,  0.06835938,  0.14550781,  0.11132812,
        -0.01708984, -0.07666016, -0.00341797,  0.19824219,  0.0039978 ,
         0.04296875,  0.05737305,  0.18847656, -0.12695312,  0.01019287,
        -0.17382812, -0.03881836, -0.3203125 ,  0.02453613,  0.02294922,
         0.08789062, -0.16894531, -0.12792969,  0.05957031,  0.01470947,
        -0.04785156,  0.01806641, -0.13085938,  0.03173828, -0.29492188,
        -0.15039062,  0.09472656, -0.20605469,  0.03735352, -0.00946045,
         0.25976562,  0.26367188,  0.13867188, -0.02563477, -0.00134277,
        -0.21484375, -0.01696777, -0.25585938, -0.06494141, -0.07666016,
        -0.11132812, -0.32617188, -0.25976562,  0.12402344, -0.15234375,
         0.20996094,  0.1484375 , -0.29492188,  0.296875  ,  0.23828125,
         0.02453613,  0.20019531, -0.15039062, -0.20605469,  0.04199219,
        -0.04736328, -0.35351562,  0.28515625, -0.09082031, -0.18554688,
         0.08886719, -0.13378906,  0.1484375 , -0.24023438, -0.11962891,
        -0.23632812,  0.16601562, -0.08984375,  0.09179688, -0.24804688,
         0.03393555,  0.01696777, -0.10107422,  0.1640625 ,  0.13574219,
        -0.3203125 ,  0.23046875, -0.06738281, -0.00927734,  0.08349609,
         0.03173828, -0.15527344, -0.1484375 ,  0.17480469, -0.13867188,
        -0.06445312, -0.01550293, -0.25585938,  0.03881836,  0.0534668 ,
         0.09130859, -0.11425781, -0.03369141, -0.09179688, -0.10888672,
         0.02478027,  0.22558594,  0.12109375,  0.20996094, -0.11914062,
        -0.09765625, -0.10351562,  0.12011719,  0.10449219,  0.10644531,
         0.21484375, -0.00933838, -0.15820312,  0.54296875,  0.01782227,
        -0.22558594, -0.03955078, -0.06298828, -0.11669922,  0.18554688,
        -0.11035156,  0.15527344,  0.11914062,  0.06835938,  0.1171875 ,
         0.10644531, -0.02563477, -0.04833984,  0.23925781, -0.04907227,
         0.09228516,  0.06542969, -0.234375  ,  0.22167969, -0.05834961,
         0.01043701, -0.08349609, -0.02490234,  0.3984375 , -0.03198242,
         0.07958984, -0.19824219,  0.16015625, -0.12304688,  0.21679688,
        -0.00239563, -0.11279297, -0.13378906, -0.03735352, -0.28515625,
        -0.02734375,  0.01916504,  0.07226562,  0.01904297,  0.01055908,
        -0.24707031,  0.11474609, -0.02294922, -0.0300293 , -0.12060547,
         0.28320312,  0.07763672,  0.05419922, -0.25976562,  0.02709961,
        -0.265625  , -0.16113281, -0.12890625, -0.10546875,  0.04882812,
         0.15527344,  0.13085938, -0.15429688, -0.05664062,  0.00454712,
        -0.18164062,  0.08691406,  0.02270508,  0.09814453,  0.11083984,
         0.16308594, -0.02392578, -0.01306152,  0.09521484,  0.06933594,
        -0.15136719,  0.02246094, -0.05761719, -0.13183594, -0.06591797,
         0.21484375,  0.09912109, -0.11474609,  0.109375  , -0.02624512,
         0.11181641,  0.15234375, -0.01855469, -0.00634766, -0.23242188,
        -0.36523438, -0.16503906,  0.13769531, -0.04541016, -0.0559082 ,
        -0.19433594, -0.05859375,  0.06689453,  0.17480469,  0.00334167,
        -0.1328125 ,  0.11035156,  0.14648438,  0.01586914, -0.16113281,
        -0.05615234,  0.14941406, -0.22265625, -0.02624512, -0.31640625,
         0.02282715,  0.11181641,  0.03637695,  0.3828125 ,  0.14746094,
        -0.10644531, -0.12890625, -0.10839844, -0.03759766, -0.06689453,
        -0.1328125 , -0.33398438,  0.0859375 ,  0.30078125,  0.12792969,
         0.08984375, -0.00732422, -0.03881836, -0.02929688,  0.13476562,
        -0.13085938, -0.22460938,  0.46484375, -0.01519775, -0.22265625,
         0.28710938, -0.06835938,  0.03442383, -0.265625  ,  0.01647949,
        -0.18164062, -0.08447266, -0.25      ,  0.20996094, -0.07373047,
         0.18847656, -0.13671875, -0.20019531, -0.23242188, -0.20507812,
         0.09960938,  0.03808594, -0.07763672, -0.31445312,  0.00337219,
        -0.00765991, -0.1484375 , -0.01293945, -0.00341797,  0.20800781,
        -0.11279297,  0.07714844, -0.24121094, -0.13867188,  0.17773438,
        -0.1953125 , -0.25390625,  0.01696777, -0.12304688,  0.18457031,
        -0.04296875, -0.0859375 , -0.19824219,  0.19921875,  0.03808594,
         0.00485229,  0.20019531,  0.17089844,  0.26953125, -0.23242188,
        -0.07617188,  0.07910156,  0.0703125 ,  0.05371094, -0.06835938],
       dtype=float32),
 'trial': array([-0.09179688,  0.18652344, -0.03173828,  0.15429688,  0.213
86719,
```

```
         0.01660156,  0.2265625 , -0.07226562,  0.12060547,  0.328125  ,
         0.35742188,  0.09570312,  0.0213623 ,  0.00270081, -0.08007812,
         0.20507812,  0.13964844, -0.18554688, -0.13183594, -0.04980469,
         0.03662109,  0.10058594,  0.09375   ,  0.1953125 ,  0.07568359,
        -0.16796875, -0.37890625,  0.05029297,  0.10839844,  0.171875  ,
         0.0559082 , -0.04467773,  0.0123291 ,  0.02868652,  0.05664062,
         0.43359375,  0.07617188, -0.18554688, -0.02478027, -0.29882812,
        -0.09667969,  0.02075195,  0.12255859, -0.1015625 , -0.28125   ,
        -0.09765625,  0.01660156,  0.18164062, -0.34375   ,  0.46875   ,
         0.24902344, -0.20117188, -0.2578125 , -0.11523438, -0.12988281,
        -0.05297852, -0.18652344, -0.09228516, -0.09912109,  0.05688477,
        -0.35546875, -0.26757812,  0.11523438, -0.21875   , -0.10449219,
         0.02368164,  0.16796875, -0.11474609,  0.12109375, -0.11279297,
         0.15625   ,  0.04882812, -0.06787109, -0.10693359, -0.21875   ,
         0.06347656,  0.02697754, -0.03833008,  0.21875   ,  0.09228516,
        -0.078125  , -0.03417969,  0.03686523, -0.11230469, -0.16894531,
        -0.31054688, -0.16601562,  0.30859375,  0.15917969, -0.08007812,
         0.26367188, -0.19042969,  0.09033203, -0.04785156,  0.15722656,
        -0.05688477,  0.26171875, -0.22167969,  0.2109375 , -0.0859375 ,
        -0.00311279, -0.19042969,  0.07763672,  0.08300781,  0.02001953,
         0.18164062, -0.15527344,  0.07519531,  0.15527344, -0.01745605,
         0.10595703,  0.27734375, -0.21484375, -0.12402344,  0.0032196 ,
        -0.32421875, -0.25976562, -0.03930664,  0.25976562,  0.10205078,
         0.13769531,  0.04296875, -0.2265625 ,  0.01080322,  0.18261719,
        -0.22265625, -0.1640625 , -0.20605469, -0.03588867, -0.0546875 ,
         0.07568359,  0.05639648, -0.09326172, -0.13867188, -0.10058594,
        -0.28710938,  0.40820312,  0.29296875,  0.07910156, -0.02624512,
         0.10107422,  0.28125   ,  0.12207031,  0.03662109,  0.0612793 ,
         0.10546875,  0.07275391, -0.01782227, -0.046875  , -0.10595703,
         0.37304688, -0.24414062,  0.26171875,  0.07519531, -0.13867188,
        -0.0625    , -0.06738281, -0.09082031, -0.09375   , -0.05004883,
        -0.09326172,  0.31640625,  0.29492188, -0.12597656, -0.17089844,
         0.11230469,  0.41601562, -0.03149414,  0.07958984, -0.00683594,
         0.08544922, -0.30273438, -0.20507812,  0.02368164, -0.01202393,
        -0.30273438, -0.08789062,  0.03149414, -0.13769531, -0.20703125,
        -0.01550293,  0.31054688, -0.2734375 , -0.3125    ,  0.08203125,
         0.09130859, -0.14550781,  0.01452637,  0.08349609, -0.03063965,
         0.12353516,  0.20410156,  0.00418091, -0.11669922,  0.14453125,
         0.11474609, -0.01916504,  0.07226562, -0.31445312,  0.07275391,
         0.20410156,  0.09228516,  0.27539062, -0.078125  ,  0.23339844,
        -0.07275391, -0.11767578, -0.09033203, -0.05957031, -0.12353516,
         0.02294922,  0.16894531, -0.10205078,  0.21875   ,  0.01672363,
         0.12109375, -0.02307129, -0.33007812,  0.04980469, -0.16894531,
        -0.07568359,  0.34179688,  0.3046875 ,  0.09472656, -0.04418945,
        -0.03369141, -0.00759888,  0.21972656, -0.20800781,  0.12207031,
         0.06542969, -0.21386719,  0.01055908, -0.19042969, -0.03833008,
         0.02197266, -0.22167969,  0.59375   , -0.00415039,  0.04003906,
        -0.12158203, -0.03588867, -0.10058594, -0.234375  , -0.25390625,
         0.03662109, -0.22949219, -0.08300781,  0.35742188,  0.02087402,
         0.06176758, -0.02294922, -0.20800781, -0.09765625,  0.03881836,
         0.22851562,  0.03735352,  0.11523438,  0.04321289, -0.05004883,
        -0.14941406, -0.22070312, -0.39648438, -0.11181641,  0.05517578,
         0.484375  , -0.05566406,  0.02978516, -0.31640625, -0.06152344,
         0.22851562,  0.14746094,  0.06396484, -0.07519531,  0.20117188,
         0.07470703, -0.375     , -0.00769043,  0.17382812, -0.2421875 ,
         0.19335938,  0.11621094,  0.10888672,  0.09570312, -0.18164062,
        -0.01733398,  0.06030273,  0.01977539,  0.24121094, -0.09814453,
         0.08691406, -0.05322266,  0.02197266, -0.06835938,  0.08740234,
         0.09521484, -0.08935547, -0.17578125,  0.01843262,  0.21191406],
       dtype=float32),
 'natural': array([ 0.03088379,  0.20019531, -0.08789062,  0.14550781, -0.0
0567627,
         0.04956055,  0.27929688, -0.171875  ,  0.03173828,  0.0703125 ,
         0.03491211, -0.07958984, -0.17285156,  0.01135254, -0.04638672,
```

```
         0.04785156, -0.06396484,  0.29882812,  0.01385498,  0.03088379,
        -0.13378906, -0.08154297, -0.359375  ,  0.08154297, -0.10009766,
        -0.01757812, -0.01141357,  0.24414062,  0.15917969, -0.10253906,
        -0.00610352,  0.05737305, -0.12109375, -0.07861328, -0.26953125,
        -0.03491211, -0.27539062, -0.24804688, -0.01672363,  0.06884766,
         0.27734375,  0.14941406,  0.21972656, -0.17578125, -0.04467773,
        -0.09228516,  0.15039062,  0.12060547,  0.01483154,  0.01794434,
         0.05493164, -0.1328125 , -0.1015625 ,  0.07519531, -0.07324219,
         0.17382812, -0.25585938, -0.37890625,  0.05981445,  0.04589844,
        -0.12890625,  0.05615234,  0.09912109,  0.07617188,  0.03930664,
         0.03320312, -0.02282715,  0.00460815, -0.16796875,  0.05444336,
         0.07470703, -0.125     , -0.07128906,  0.05053711, -0.19726562,
         0.04272461,  0.07763672,  0.03344727, -0.02648926,  0.17675781,
         0.08056641,  0.14160156,  0.18652344,  0.06884766, -0.00286865,
        -0.20214844,  0.01586914,  0.17675781,  0.01098633,  0.06933594,
         0.03369141,  0.22070312, -0.15625   , -0.00689697, -0.16308594,
         0.04956055, -0.13574219,  0.03808594,  0.10205078, -0.06591797,
        -0.1484375 ,  0.16210938,  0.03149414,  0.14257812, -0.10742188,
        -0.04785156,  0.11230469, -0.20605469,  0.06347656,  0.21679688,
        -0.265625  ,  0.09570312, -0.13574219,  0.03063965,  0.17773438,
         0.02893066, -0.18261719, -0.06152344, -0.07910156, -0.06640625,
        -0.10546875,  0.00408936,  0.08642578,  0.18359375, -0.21875   ,
         0.14257812,  0.09375   , -0.16601562,  0.29492188,  0.23828125,
        -0.12597656,  0.11425781, -0.30664062,  0.25      ,  0.078125  ,
        -0.265625  ,  0.02648926,  0.1953125 ,  0.19140625,  0.22070312,
         0.19921875,  0.07128906, -0.140625  , -0.10058594,  0.0859375 ,
        -0.05493164,  0.02453613,  0.36328125, -0.06640625,  0.05639648,
        -0.00357056, -0.06445312, -0.08837891,  0.21582031, -0.00842285,
         0.00897217,  0.0037384 , -0.3046875 ,  0.01318359, -0.12011719,
        -0.08251953, -0.14550781, -0.109375  ,  0.05712891,  0.09667969,
         0.0378418 , -0.06933594, -0.06494141,  0.00358582,  0.06005859,
        -0.18945312,  0.11767578, -0.05664062,  0.15332031, -0.03540039,
         0.05493164,  0.03417969, -0.16894531, -0.20898438, -0.12597656,
        -0.12451172, -0.14550781,  0.125     , -0.30273438, -0.18847656,
        -0.01141357, -0.09716797, -0.04272461,  0.16796875, -0.00415039,
        -0.19042969, -0.09228516,  0.07080078,  0.13085938,  0.03442383,
        -0.12988281, -0.18261719, -0.08642578, -0.07666016, -0.26367188,
         0.08740234,  0.08203125,  0.02368164, -0.01867676, -0.05932617,
         0.11816406,  0.22167969, -0.13476562, -0.20117188,  0.21582031,
        -0.32617188, -0.08300781,  0.08496094,  0.1796875 ,  0.14257812,
        -0.05932617,  0.00185394, -0.14550781,  0.0703125 ,  0.08105469,
         0.27539062, -0.10351562, -0.16699219,  0.12207031,  0.09912109,
        -0.02380371,  0.09765625, -0.08642578,  0.07519531,  0.3671875 ,
        -0.03930664,  0.3359375 , -0.03112793,  0.0078125 ,  0.1328125 ,
         0.05517578, -0.02905273,  0.02734375, -0.0456543 , -0.0546875 ,
        -0.05761719, -0.01123047, -0.03710938, -0.18359375,  0.06347656,
         0.04882812,  0.21289062,  0.17382812, -0.16308594, -0.29492188,
        -0.06884766, -0.05224609,  0.06738281, -0.04443359,  0.25390625,
        -0.39648438, -0.29492188,  0.16210938, -0.00772095,  0.04614258,
        -0.08837891, -0.16601562, -0.09375   ,  0.25585938,  0.26171875,
         0.06640625, -0.10009766, -0.15039062, -0.06884766, -0.07373047,
        -0.21484375,  0.03149414, -0.14941406, -0.04760742,  0.05615234,
         0.02209473, -0.10107422, -0.08544922, -0.12353516,  0.03857422,
        -0.05371094,  0.12695312,  0.07910156,  0.04492188, -0.03344727,
        -0.10009766, -0.03271484, -0.10058594,  0.12304688,  0.19433594,
        -0.16894531, -0.10351562, -0.1328125 , -0.02685547, -0.05419922,
        -0.05957031,  0.10205078, -0.04663086,  0.20800781,  0.12402344],
       dtype=float32),
 'model': array([ 0.18066406,  0.12353516,  0.09033203,  0.20800781,  0.012
39014,
        -0.02514648,  0.17675781, -0.31445312, -0.01123047,  0.07714844,
         0.03881836, -0.14160156,  0.15722656, -0.3515625 , -0.0324707 ,
         0.34765625, -0.01965332,  0.10205078, -0.14160156, -0.21875   ,
         0.02270508, -0.01306152, -0.22265625,  0.01019287, -0.00772095,
```

```
         0.10546875, -0.33007812,  0.28515625,  0.11572266, -0.1953125 ,
         0.12207031, -0.07910156, -0.1484375 ,  0.21386719,  0.125     ,
        -0.05029297,  0.14355469,  0.12890625,  0.03222656, -0.06494141,
        -0.01544189,  0.08154297, -0.09912109,  0.20996094,  0.13378906,
        -0.08300781, -0.13769531,  0.09521484,  0.27734375,  0.05249023,
         0.09228516, -0.08349609, -0.23046875, -0.18847656,  0.08544922,
        -0.04980469, -0.03613281, -0.08642578, -0.01721191, -0.14160156,
         0.04443359,  0.12695312, -0.17480469, -0.04785156, -0.06738281,
         0.13183594,  0.15527344,  0.24414062,  0.00842285,  0.19238281,
         0.07373047, -0.03710938,  0.17578125, -0.02282715,  0.03808594,
         0.08056641, -0.07519531,  0.05395508,  0.12353516, -0.01483154,
         0.15917969, -0.0111084 , -0.01153564, -0.13183594, -0.05249023,
         0.16699219,  0.07128906,  0.3359375 ,  0.10693359,  0.1640625 ,
         0.03417969, -0.18359375, -0.20800781,  0.08447266,  0.03540039,
         0.09375   , -0.18359375, -0.10449219,  0.07763672,  0.05737305,
         0.07861328, -0.08789062, -0.18164062,  0.12792969, -0.05737305,
         0.05541992, -0.25195312,  0.10253906,  0.13769531,  0.17675781,
         0.15234375, -0.03393555, -0.25      ,  0.09375   ,  0.14746094,
        -0.11669922, -0.12158203, -0.2734375 ,  0.00595093,  0.12695312,
         0.18847656, -0.28710938, -0.08251953,  0.17382812,  0.28320312,
         0.26171875, -0.00488281,  0.20703125,  0.07275391,  0.14746094,
        -0.01806641, -0.22265625, -0.01806641,  0.16015625,  0.19238281,
        -0.01757812, -0.02416992, -0.03173828, -0.015625  , -0.03271484,
        -0.01000977, -0.03271484,  0.01782227,  0.11621094,  0.10107422,
        -0.06835938,  0.12890625, -0.01916504,  0.02526855,  0.00604248,
         0.03125   , -0.09667969, -0.22167969,  0.06689453,  0.02258301,
        -0.03662109, -0.25195312,  0.12207031,  0.09619141, -0.01989746,
         0.13964844,  0.04150391,  0.09960938,  0.02868652, -0.08837891,
         0.18457031,  0.14160156, -0.11767578, -0.10742188, -0.07128906,
        -0.01013184, -0.00735474, -0.04150391, -0.06982422,  0.14648438,
         0.234375  ,  0.37695312, -0.3046875 , -0.20019531,  0.16796875,
        -0.18457031, -0.16503906, -0.0612793 , -0.05566406,  0.07324219,
         0.01495361,  0.05151367,  0.10839844, -0.1015625 , -0.10302734,
        -0.09130859, -0.07714844,  0.11035156, -0.10009766, -0.08398438,
        -0.06738281,  0.04321289, -0.11816406,  0.22167969,  0.02624512,
         0.05297852,  0.08642578, -0.01745605, -0.1484375 , -0.125     ,
        -0.0480957 , -0.00476074,  0.03051758, -0.0009346 , -0.15625   ,
        -0.15722656,  0.33789062,  0.18261719,  0.00160217,  0.01116943,
         0.05175781,  0.20410156,  0.10449219, -0.05859375,  0.3125    ,
        -0.02575684,  0.05273438,  0.13769531,  0.15917969, -0.00245667,
        -0.20019531,  0.07373047, -0.02856445,  0.09326172,  0.0057373 ,
         0.02429199, -0.05688477,  0.19042969, -0.15332031, -0.10644531,
         0.11376953, -0.15722656, -0.02502441,  0.07324219,  0.07910156,
         0.12792969, -0.12792969, -0.05761719, -0.05249023, -0.04345703,
        -0.07958984, -0.09716797,  0.12304688,  0.12353516,  0.10839844,
         0.1171875 ,  0.29492188,  0.01940918, -0.12207031, -0.01330566,
         0.26367188, -0.11767578,  0.24121094, -0.24609375, -0.1953125 ,
         0.21777344,  0.0234375 , -0.10546875,  0.11181641,  0.18164062,
         0.07519531, -0.01324463,  0.078125  , -0.1328125 ,  0.08789062,
         0.02807617,  0.05151367, -0.01904297, -0.05908203, -0.12304688,
         0.06591797, -0.01080322,  0.17773438, -0.17382812, -0.03979492,
        -0.14941406,  0.25585938,  0.02001953, -0.140625  ,  0.07177734,
        -0.04394531, -0.12597656, -0.09375   ,  0.10253906,  0.04296875,
        -0.22363281,  0.15332031, -0.15136719, -0.08105469,  0.08251953,
         0.1640625 ,  0.00185394,  0.12402344, -0.07226562, -0.06054688],
       dtype=float32),
 'teaching': array([ 0.10742188,  0.01184082,  0.18359375,  0.16503906,  0.
11230469,
         0.08203125,  0.04174805, -0.3203125 , -0.15625   , -0.06884766,
         0.29882812,  0.0703125 , -0.15234375,  0.09472656, -0.19042969,
         0.06103516, -0.07714844,  0.15527344, -0.0378418 , -0.25195312,
         0.21191406,  0.06738281,  0.06591797,  0.20117188, -0.12255859,
        -0.328125  , -0.08837891, -0.10595703, -0.12060547, -0.00402832,
         0.14355469, -0.1484375 , -0.02734375,  0.12792969,  0.08300781,
```

```
        -0.0859375 ,  0.05322266,  0.18945312,  0.16015625, -0.18554688,
         0.05395508, -0.02905273, -0.02478027, -0.17382812, -0.11425781,
        -0.07128906,  0.14648438,  0.1875    , -0.11035156,  0.12890625,
        -0.13671875, -0.12695312, -0.06201172,  0.03149414,  0.234375  ,
         0.08935547, -0.00897217, -0.09960938, -0.04394531, -0.22070312,
         0.13476562,  0.08105469,  0.17675781, -0.30664062,  0.17089844,
         0.10498047, -0.11230469, -0.00424194,  0.13183594, -0.0456543 ,
        -0.11132812,  0.09228516,  0.03857422,  0.25585938, -0.012146  ,
         0.0456543 ,  0.0546875 , -0.11035156,  0.12792969,  0.08105469,
         0.03637695,  0.04492188,  0.08398438,  0.20800781, -0.11035156,
         0.00367737, -0.05615234,  0.12792969,  0.11132812, -0.01611328,
        -0.02416992, -0.03662109, -0.18066406, -0.10546875,  0.09423828,
         0.13867188,  0.24511719, -0.1328125 ,  0.12597656, -0.12402344,
        -0.16015625, -0.03540039, -0.00219727, -0.04418945,  0.01965332,
        -0.06176758, -0.0177002 ,  0.02856445,  0.11230469, -0.39648438,
        -0.35742188,  0.22753906, -0.09863281,  0.06347656,  0.08544922,
        -0.02062988,  0.16796875, -0.09326172,  0.12695312, -0.05029297,
        -0.03710938, -0.02148438,  0.05981445,  0.07275391, -0.30859375,
        -0.26757812, -0.23339844, -0.08837891, -0.32421875,  0.32226562,
         0.06835938, -0.4453125 , -0.27539062, -0.265625  ,  0.20605469,
         0.02697754,  0.01312256, -0.05859375, -0.03112793,  0.19628906,
        -0.20605469, -0.16894531, -0.04296875, -0.3359375 , -0.20703125,
         0.23828125,  0.08789062,  0.08203125, -0.05639648, -0.10644531,
         0.24316406, -0.01171875, -0.16210938,  0.10351562, -0.07714844,
        -0.05883789, -0.15136719, -0.17578125, -0.08007812, -0.12988281,
        -0.07714844,  0.34179688, -0.11181641,  0.09863281, -0.04516602,
         0.09423828,  0.20019531, -0.1875    ,  0.0559082 , -0.22363281,
        -0.06982422,  0.12402344, -0.01953125,  0.05273438,  0.28710938,
         0.20214844, -0.00250244,  0.0324707 , -0.01977539,  0.08789062,
        -0.21289062, -0.08007812,  0.10205078, -0.09130859,  0.02758789,
         0.13085938, -0.19726562, -0.1484375 ,  0.24902344, -0.08837891,
        -0.10351562, -0.09716797,  0.05834961,  0.21386719, -0.24707031,
        -0.06445312,  0.17089844, -0.25      ,  0.1640625 , -0.00175476,
        -0.35742188,  0.01379395,  0.28320312, -0.21484375, -0.4453125 ,
        -0.20996094, -0.19238281, -0.08789062, -0.17480469, -0.11767578,
        -0.04174805,  0.05249023, -0.03295898, -0.17285156,  0.12402344,
         0.03564453, -0.03100586,  0.09814453, -0.03515625, -0.20214844,
         0.14160156, -0.00469971,  0.22167969,  0.08251953,  0.18261719,
        -0.12402344, -0.06494141, -0.15234375, -0.06103516, -0.13183594,
         0.12304688, -0.10546875, -0.04833984, -0.04370117,  0.31445312,
        -0.16699219,  0.17480469, -0.12988281, -0.12109375, -0.046875  ,
         0.03564453,  0.02209473,  0.09326172, -0.2421875 , -0.28710938,
        -0.30273438, -0.2109375 , -0.06030273, -0.08056641, -0.21777344,
         0.03564453,  0.07714844, -0.09765625,  0.25      , -0.0390625 ,
        -0.16796875, -0.23046875,  0.09912109, -0.04931641,  0.22558594,
         0.11230469,  0.12695312, -0.01757812, -0.04760742, -0.10400391,
        -0.05419922,  0.23144531, -0.16015625, -0.09326172,  0.06835938,
         0.11328125, -0.02124023, -0.09179688,  0.10107422,  0.10693359,
        -0.07666016,  0.01330566, -0.09277344, -0.25976562, -0.21582031,
         0.06176758, -0.0267334 ,  0.1796875 ,  0.1953125 ,  0.08300781,
         0.03015137,  0.09375   , -0.03588867,  0.12890625,  0.33007812,
        -0.30078125, -0.00604248, -0.23632812,  0.00343323, -0.06738281,
         0.04272461,  0.16699219, -0.03442383,  0.171875  ,  0.21191406],
       dtype=float32),
 'facilitate': array([-2.89062500e-01,  1.55273438e-01,  1.17675781e-01, -
9.76562500e-02,
        -4.98046875e-02, -6.39648438e-02, -1.05590820e-02,  3.39843750e-01,
         1.10351562e-01, -2.65625000e-01, -1.92382812e-01, -1.15722656e-01,
         1.28906250e-01,  3.02734375e-01,  1.25000000e-01, -3.14941406e-02,
        -1.63574219e-02, -4.93164062e-02, -5.68847656e-02,  2.27050781e-02,
         1.76757812e-01, -2.95410156e-02,  2.25830078e-02,  1.48437500e-01,
        -1.24023438e-01, -3.71093750e-02, -1.44531250e-01,  1.15722656e-01,
         9.61914062e-02, -7.86132812e-02,  5.93261719e-02, -3.16406250e-01,
        -1.00585938e-01,  1.47460938e-01, -1.39648438e-01,  8.74023438e-02,
```

```
 8.74023438e-02, -1.42578125e-01,  2.65625000e-01, -3.06396484e-02,
-6.59179688e-02,  2.59765625e-01,  4.90722656e-02, -2.34375000e-02,
-3.90625000e-02, -3.96484375e-01, -2.51953125e-01,  7.61718750e-02,
 1.51367188e-01,  1.98242188e-01,  9.76562500e-04, -3.24707031e-02,
 5.07812500e-02, -2.91015625e-01, -1.49414062e-01,  3.00781250e-01,
-2.65625000e-01, -1.04003906e-01,  1.83593750e-01, -1.66992188e-01,
-2.36328125e-01, -3.71093750e-01, -1.26953125e-01,  2.71484375e-01,
 7.08007812e-02,  1.42578125e-01, -3.76953125e-01,  8.34960938e-02,
-7.91015625e-02,  6.83593750e-02,  3.90625000e-02, -9.64355469e-03,
 3.78906250e-01,  1.91406250e-01, -1.06445312e-01, -3.33984375e-01,
 3.49121094e-02,  9.22851562e-02, -3.08837891e-02,  1.58203125e-01,
-9.66796875e-02,  2.22167969e-02, -4.07714844e-02, -2.68554688e-02,
 1.48437500e-01,  8.59375000e-02, -9.08203125e-02, -1.58203125e-01,
 5.40161133e-03,  2.55859375e-01,  1.25976562e-01, -5.05371094e-02,
-3.54003906e-02, -3.69140625e-01,  2.26562500e-01, -1.92382812e-01,
-3.07617188e-02,  5.70678711e-03,  2.95410156e-02, -5.27343750e-02,
-4.02832031e-02, -4.49218750e-02, -1.66992188e-01, -1.79443359e-02,
 1.37939453e-02,  2.25830078e-03, -3.08593750e-01, -7.61718750e-02,
 1.39648438e-01,  8.78906250e-02, -2.41210938e-01, -4.12597656e-02,
-1.03027344e-01, -1.50390625e-01,  5.03540039e-03,  1.43554688e-01,
 5.71289062e-02,  2.78320312e-02,  3.20312500e-01,  4.80957031e-02,
 3.32031250e-01,  1.34765625e-01, -1.56250000e-02,  1.24511719e-01,
-1.06933594e-01,  5.15136719e-02, -2.59765625e-01, -6.93359375e-02,
 2.05078125e-01,  3.43750000e-01,  1.38671875e-01,  1.85546875e-01,
 7.08007812e-02,  1.28906250e-01,  8.25195312e-02, -3.66210938e-02,
 2.60009766e-02,  1.87500000e-01,  4.51660156e-02, -5.85937500e-02,
 3.75976562e-02,  3.44238281e-02, -5.81054688e-02,  2.08007812e-01,
-2.25585938e-01, -9.64355469e-03, -1.59179688e-01, -1.47460938e-01,
-5.29785156e-02,  7.47070312e-02,  2.32421875e-01,  8.88671875e-02,
-1.63085938e-01,  2.37304688e-01,  1.04003906e-01, -1.11328125e-01,
 7.56835938e-02,  4.76074219e-02, -2.53906250e-01, -1.10839844e-01,
 1.65039062e-01, -2.41210938e-01, -1.48437500e-01, -1.43554688e-01,
 1.05468750e-01,  1.39648438e-01,  7.14111328e-03, -6.88476562e-02,
 1.40625000e-01, -2.09960938e-01,  7.47070312e-02, -6.22558594e-02,
-5.54199219e-02, -1.85546875e-01,  2.57812500e-01,  2.30712891e-02,
 1.31835938e-01, -1.47460938e-01, -6.17675781e-02,  2.47070312e-01,
-1.53320312e-01, -1.97265625e-01,  2.05078125e-01, -6.88476562e-02,
-2.07031250e-01,  8.98437500e-02,  1.21582031e-01, -5.98144531e-02,
 1.28906250e-01, -3.54003906e-02, -1.55273438e-01, -1.18164062e-01,
 1.23535156e-01, -3.32031250e-02,  7.61718750e-02, -1.73828125e-01,
-1.24023438e-01, -1.35742188e-01, -2.72216797e-02, -3.12500000e-01,
 1.89453125e-01, -1.55639648e-02,  1.48315430e-02, -5.29785156e-02,
-1.65039062e-01, -1.98242188e-01,  7.32421875e-02,  8.44726562e-02,
 1.10839844e-01, -2.54821777e-03,  4.71191406e-02,  7.08007812e-02,
-2.18505859e-02,  2.08984375e-01,  9.96093750e-02, -1.78710938e-01,
 6.07910156e-02,  2.27539062e-01, -5.10253906e-02, -2.34375000e-02,
 1.84570312e-01, -1.51367188e-01,  2.83203125e-02,  1.77734375e-01,
-1.20117188e-01,  9.37500000e-02,  3.24707031e-02, -1.31225586e-03,
 2.36328125e-01,  1.11328125e-01,  1.57226562e-01,  3.11279297e-02,
 3.06396484e-02,  3.85742188e-02,  4.02832031e-02, -1.93359375e-01,
-1.07421875e-01, -3.68652344e-02,  1.91406250e-01, -5.92041016e-03,
-1.18652344e-01,  1.43554688e-01, -1.22680664e-02,  1.71875000e-01,
-4.07714844e-02, -2.02636719e-02, -1.49414062e-01,  4.35546875e-01,
-4.66308594e-02, -2.47070312e-01,  1.85546875e-01,  2.53906250e-01,
-4.22363281e-02,  2.59765625e-01,  6.34765625e-02,  6.39648438e-02,
 5.07812500e-02,  1.46484375e-01, -1.00097656e-01, -1.69921875e-01,
 1.25000000e-01, -2.14843750e-01,  1.17187500e-01,  1.09863281e-01,
 3.04687500e-01,  3.12500000e-02,  6.39648438e-02, -2.00195312e-01,
-1.74804688e-01, -1.27929688e-01, -2.96630859e-02,  2.02148438e-01,
-1.96695328e-05,  7.66601562e-02,  1.50390625e-01,  1.85546875e-02,
-5.46875000e-02, -1.04370117e-02,  4.54101562e-02, -1.28906250e-01,
-2.30712891e-02,  7.03125000e-02, -3.93066406e-02,  1.23046875e-01,
 7.03125000e-02,  1.46484375e-01, -2.28515625e-01, -1.47460938e-01,
 4.41894531e-02, -4.97698784e-06, -3.02734375e-01,  1.29882812e-01,
```

```
        6.07910156e-02, -1.86767578e-02, -4.41894531e-02,  9.27734375e-02,
       -1.76757812e-01, -4.22363281e-02, -1.21582031e-01, -5.76171875e-0
2],
      dtype=float32),
 'identification': array([-3.83300781e-02, -1.15722656e-01, -6.29882812e-0
2,  9.32617188e-02,
       -3.90625000e-01, -3.63769531e-02, -8.39843750e-02, -2.21679688e-01,
        3.68652344e-02, -2.05078125e-01,  4.47265625e-01, -2.13867188e-01,
       -1.47460938e-01,  1.00097656e-01, -2.19726562e-01, -1.30615234e-02,
        8.64257812e-02,  7.91015625e-02, -2.51953125e-01, -4.19921875e-01,
        1.03027344e-01, -2.51953125e-01, -1.10839844e-01,  3.02734375e-01,
       -3.20312500e-01, -1.14746094e-01, -3.65234375e-01, -8.59375000e-02,
        3.41796875e-01, -1.74804688e-01,  1.31225586e-02, -1.71875000e-01,
        2.57812500e-01, -1.98974609e-02,  9.96093750e-02,  1.61132812e-01,
       -7.12890625e-02,  1.17187500e-01,  7.56835938e-02, -8.78906250e-02,
       -2.53906250e-01,  1.22680664e-02,  3.19824219e-02, -8.54492188e-02,
        2.53906250e-01, -3.73046875e-01, -2.69531250e-01,  3.12500000e-01,
       -3.69140625e-01,  9.86328125e-02, -1.92382812e-01, -1.89453125e-01,
       -1.40625000e-01, -1.90429688e-01, -2.83203125e-01, -1.30004883e-02,
       -1.05468750e-01, -7.22656250e-02,  3.06640625e-01, -4.41894531e-02,
        9.61914062e-02, -1.29882812e-01, -1.55273438e-01, -2.71484375e-01,
       -1.85546875e-01,  3.47656250e-01, -3.19824219e-02,  2.83203125e-01,
        4.85839844e-02, -2.01171875e-01, -6.34765625e-02,  3.35937500e-01,
        2.67578125e-01,  8.34960938e-02,  1.26953125e-01,  9.37500000e-02,
       -1.40625000e-01,  2.16064453e-02,  3.67187500e-01,  2.40234375e-01,
        1.05957031e-01, -6.73828125e-02,  1.45263672e-02,  1.37329102e-02,
        1.49536133e-02, -5.32226562e-02, -1.57470703e-02, -5.05371094e-02,
       -8.88671875e-02, -2.28515625e-01,  2.79541016e-02, -3.29589844e-02,
       -4.61425781e-02, -2.49023438e-01,  1.83593750e-01, -1.77734375e-01,
       -3.32031250e-02,  1.74804688e-01,  5.44433594e-02,  9.09423828e-03,
       -1.68945312e-01, -1.88476562e-01,  2.34375000e-01,  2.59765625e-01,
        1.03027344e-01, -1.82617188e-01,  2.07031250e-01, -2.13867188e-01,
        2.46093750e-01, -8.44726562e-02,  4.07714844e-02, -2.45117188e-01,
        3.46679688e-02, -2.82287598e-03, -3.28125000e-01,  3.33984375e-01,
       -2.17773438e-01,  2.57812500e-01,  3.49609375e-01,  8.00781250e-02,
       -9.81445312e-02,  3.24218750e-01,  8.36181641e-03,  7.81250000e-03,
        1.96533203e-02,  1.09863281e-01, -4.51660156e-02,  1.37695312e-01,
        1.20849609e-02,  4.25781250e-01,  2.55859375e-01, -1.02539062e-01,
       -2.94921875e-01,  2.67333984e-02, -2.29492188e-02, -1.07421875e-02,
       -6.20117188e-02, -2.89062500e-01, -1.34765625e-01,  3.16406250e-01,
       -2.08007812e-01,  6.73828125e-02, -4.84375000e-01,  1.40625000e-01,
       -5.32226562e-02, -6.80541992e-03,  9.52148438e-02, -2.87109375e-01,
       -1.44531250e-01, -8.49609375e-02, -3.22265625e-02, -2.05078125e-01,
        2.06298828e-02, -7.72094727e-03, -2.08984375e-01, -2.57812500e-01,
       -3.35693359e-04, -1.73339844e-02, -6.59179688e-02,  2.01171875e-01,
       -9.15527344e-03, -1.04980469e-01,  8.93554688e-02, -8.34960938e-02,
        4.78515625e-02,  1.55273438e-01,  7.66601562e-02, -3.35937500e-01,
       -1.83593750e-01, -9.61914062e-02,  2.98828125e-01, -4.15039062e-03,
        1.60156250e-01, -8.69140625e-02,  8.54492188e-02,  1.05957031e-01,
        1.90429688e-01, -1.72851562e-01, -7.51953125e-02, -2.42187500e-01,
       -1.25000000e-01, -6.49414062e-02,  4.61425781e-02, -1.31835938e-01,
        5.81054688e-02, -2.02148438e-01, -3.30078125e-01, -1.25000000e-01,
        4.66308594e-02,  2.41210938e-01, -2.77343750e-01, -9.15527344e-03,
       -6.88476562e-02, -1.28906250e-01, -2.52685547e-02, -1.04980469e-01,
        2.03125000e-01, -8.64257812e-02, -4.58984375e-02, -1.24511719e-01,
        3.98437500e-01,  1.73828125e-01, -1.40625000e-01, -5.34667969e-02,
       -1.64062500e-01, -1.90429688e-01,  2.63671875e-01,  3.90625000e-01,
        3.88671875e-01,  5.27954102e-03, -3.49426270e-03, -6.34765625e-02,
       -1.55639648e-02,  1.35742188e-01, -6.64062500e-02,  3.33984375e-01,
        2.77343750e-01,  1.63574219e-02, -2.39257812e-01, -4.62890625e-01,
       -4.27734375e-01, -9.37500000e-02, -1.35742188e-01, -3.16406250e-01,
        1.36718750e-01, -6.88476562e-02,  7.95898438e-02,  3.18359375e-01,
       -6.59179688e-02, -1.81884766e-02, -1.33789062e-01,  4.46777344e-02,
       -1.61132812e-01,  1.59179688e-01, -1.37695312e-01, -2.51953125e-01,
```

```
         1.01074219e-01, -3.90625000e-02,  2.47070312e-01, -2.05078125e-02,
         3.92578125e-01, -1.35742188e-01, -2.57812500e-01,  3.22265625e-01,
        -1.01074219e-01,  1.66992188e-01,  1.76757812e-01,  1.85546875e-01,
         1.34765625e-01,  9.42382812e-02, -1.06933594e-01,  8.69140625e-02,
        -2.69775391e-02, -2.27539062e-01, -9.17968750e-02, -1.25976562e-01,
         1.03027344e-01, -2.57568359e-02, -1.22558594e-01, -8.98437500e-02,
         1.42578125e-01, -2.48046875e-01, -1.31835938e-01, -2.98828125e-01,
         2.59765625e-01, -7.42187500e-02, -1.31835938e-01, -4.17480469e-02,
        -2.51953125e-01,  6.28662109e-03, -1.50390625e-01,  6.29882812e-02,
        -3.78417969e-03,  2.61718750e-01,  1.06201172e-02, -4.39453125e-02,
        -2.07031250e-01, -1.81640625e-01,  2.75390625e-01,  1.82617188e-01,
         1.62109375e-01,  1.59179688e-01,  2.05078125e-01, -1.58203125e-01,
        -2.87109375e-01, -1.46484375e-02,  2.40234375e-01, -4.27246094e-02,
        -1.61132812e-01, -2.33398438e-01, -2.71484375e-01,  1.51367188e-01,
         6.03027344e-02,  1.91650391e-02,  1.34765625e-01,  2.46093750e-01,
         6.83593750e-03, -3.76953125e-01,  1.89781189e-04, -4.73632812e-0
2],
       dtype=float32),
 'resource': array([-9.46044922e-03, -1.97265625e-01,  1.96289062e-01, -4.1
0156250e-02,
        -2.31933594e-02, -7.37304688e-02,  1.40625000e-01, -6.05468750e-02,
         3.52478027e-03,  1.22558594e-01, -7.56835938e-02, -1.16699219e-01,
         4.39453125e-02,  9.17968750e-02,  5.92041016e-03, -5.88378906e-02,
        -2.00195312e-01,  1.29882812e-01, -1.31835938e-01, -3.98437500e-01,
         4.51660156e-02, -1.95312500e-01, -1.02050781e-01,  1.74560547e-02,
         4.12597656e-02,  3.20312500e-01, -4.90722656e-02,  2.03125000e-01,
         4.78515625e-02, -3.78906250e-01,  3.28125000e-01, -4.58984375e-02,
        -1.90429688e-01, -1.85546875e-01, -1.94335938e-01, -4.71191406e-02,
        -3.12500000e-02,  1.65039062e-01,  4.94140625e-01, -2.61230469e-02,
        -1.03759766e-02,  3.45703125e-01,  1.00097656e-01,  1.57226562e-01,
        -1.31835938e-01, -2.11914062e-01, -3.33984375e-01,  1.75781250e-01,
        -8.00781250e-02,  2.72216797e-02, -7.12890625e-02, -3.78906250e-01,
        -2.09960938e-01, -4.71191406e-02, -1.66992188e-01,  4.73632812e-02,
        -2.34375000e-01, -1.11816406e-01,  1.31835938e-01,  2.43164062e-01,
        -9.86328125e-02, -2.14843750e-01,  5.68847656e-02, -5.81054688e-02,
        -5.15625000e-01,  6.98242188e-02, -1.56250000e-01, -2.38281250e-01,
         4.15039062e-02, -2.78320312e-02,  1.97753906e-02, -2.55859375e-01,
         1.51367188e-01, -1.56250000e-01,  1.82617188e-01, -1.04492188e-01,
         4.49218750e-02,  8.78906250e-02, -2.68554688e-02,  1.67968750e-01,
         1.88476562e-01,  1.45507812e-01, -3.44238281e-02,  1.42578125e-01,
         1.66992188e-01,  1.98974609e-02, -1.25000000e-01,  6.46972656e-03,
         1.64062500e-01, -2.01171875e-01,  2.48046875e-01, -4.41894531e-02,
         1.31835938e-01, -7.37304688e-02, -1.34765625e-01, -7.76367188e-02,
        -1.26953125e-01,  1.02539062e-01,  2.12890625e-01, -1.59179688e-01,
         7.76367188e-02, -8.15429688e-02, -1.90429688e-01, -1.79687500e-01,
        -8.00781250e-02, -9.42382812e-02, -3.04687500e-01, -2.00195312e-01,
         1.23046875e-01,  2.44140625e-02, -1.18652344e-01, -2.52685547e-02,
         3.34472656e-02,  1.86523438e-01,  1.41601562e-01,  1.11816406e-01,
        -2.85644531e-02, -1.03515625e-01,  2.32421875e-01,  4.12597656e-02,
        -9.57031250e-02,  5.10253906e-02, -1.67968750e-01,  4.58984375e-01,
        -8.44726562e-02,  1.11816406e-01, -3.22265625e-01, -5.29785156e-02,
         2.57873535e-03,  8.34960938e-02, -7.61718750e-02, -2.87109375e-01,
        -1.31835938e-01,  3.32031250e-01, -1.27929688e-01, -1.76757812e-01,
        -1.17797852e-02, -6.49414062e-02,  1.66015625e-01,  2.26562500e-01,
         1.39648438e-01, -1.50390625e-01, -7.08007812e-02, -4.27246094e-02,
         1.37939453e-02, -1.13769531e-01,  1.66015625e-01,  2.69531250e-01,
         9.47265625e-02, -3.75976562e-02,  6.05468750e-02,  6.29425049e-04,
        -1.08886719e-01,  2.91015625e-01,  3.35937500e-01, -2.22206116e-04,
         7.27539062e-02, -7.91015625e-02, -3.14453125e-01, -3.43750000e-01,
         1.20605469e-01,  1.79443359e-02,  1.20117188e-01,  2.08007812e-01,
         1.28784180e-02,  2.71484375e-01, -1.39648438e-01, -1.71875000e-01,
         1.14257812e-01, -2.20703125e-01, -2.17773438e-01,  8.88671875e-02,
         1.16699219e-01,  8.59375000e-02,  1.74804688e-01, -2.06298828e-02,
        -6.07910156e-02, -1.68945312e-01, -1.93359375e-01,  8.98437500e-02,
```

```
        -4.95605469e-02, -1.71875000e-01,  1.80664062e-02, -1.47460938e-01,
        -1.64062500e-01, -9.96093750e-02, -2.15820312e-01,  1.37695312e-01,
         3.20312500e-01,  2.13623047e-02, -3.61328125e-01, -3.08593750e-01,
        -1.22558594e-01,  7.51953125e-02, -3.65234375e-01,  4.54101562e-02,
         2.14843750e-02, -1.66015625e-01,  1.53320312e-01, -3.47656250e-01,
        -4.24804688e-02, -2.18505859e-02, -3.27148438e-02, -1.84570312e-01,
        -1.24023438e-01,  6.17675781e-02,  1.31835938e-01, -1.39648438e-01,
        -4.54101562e-02,  1.27929688e-01, -3.22265625e-02,  3.41796875e-02,
         5.27343750e-02, -4.41894531e-02,  2.30468750e-01,  3.18359375e-01,
         1.70898438e-01,  2.31933594e-03, -1.23046875e-01,  3.36914062e-02,
         1.81640625e-01, -1.39648438e-01,  1.66992188e-01,  4.85839844e-02,
         7.37304688e-02,  4.29687500e-02, -4.19921875e-02, -2.04101562e-01,
        -1.13281250e-01, -4.44335938e-02, -1.24023438e-01,  2.83203125e-02,
        -3.33984375e-01, -3.04687500e-01, -1.37695312e-01,  2.11914062e-01,
        -1.20605469e-01,  1.37329102e-02,  1.24511719e-01,  3.73840332e-03,
         1.53198242e-02,  1.71875000e-01,  2.92968750e-01, -6.59179688e-02,
        -6.88476562e-02, -2.24304199e-03,  1.28906250e-01, -2.13867188e-01,
        -1.63085938e-01,  1.72119141e-02, -1.33789062e-01,  2.51464844e-02,
         4.63867188e-02, -4.55856323e-04,  2.53906250e-01,  2.62451172e-02,
        -2.71484375e-01, -9.22851562e-02, -1.85546875e-01,  1.12304688e-01,
         2.31445312e-01, -3.75000000e-01,  6.73828125e-02,  3.49609375e-01,
        -6.34765625e-02,  2.41210938e-01,  2.02636719e-02,  2.71484375e-01,
        -1.28906250e-01, -5.73730469e-02, -1.82617188e-01,  6.34765625e-02,
        -2.52685547e-02,  9.86328125e-02, -7.91015625e-02,  3.08593750e-01,
         1.45507812e-01,  2.88085938e-02, -2.29492188e-02, -7.69042969e-03,
        -1.58203125e-01, -6.83593750e-02,  1.42578125e-01,  2.35351562e-01,
        -1.70898438e-01, -8.44726562e-02, -3.47656250e-01, -2.97851562e-02,
         1.99218750e-01,  1.64062500e-01, -3.61328125e-02, -2.34375000e-01,
        -2.00195312e-01,  3.95507812e-02, -2.10571289e-03, -4.46777344e-02,
        -4.63867188e-02, -1.36718750e-02,  2.02636719e-02,  6.88476562e-0
2],
       dtype=float32),
 'information': array([-7.17773438e-02, -2.65625000e-01,  1.48437500e-01, -
2.05078125e-01,
        -3.75976562e-02,  1.04980469e-01,  1.26953125e-01,  1.17675781e-01,
        -5.41992188e-02, -3.76953125e-01,  1.26647949e-03,  5.85937500e-02,
        -1.93359375e-01,  7.42187500e-02,  2.17773438e-01,  1.22558594e-01,
        -1.04980469e-01,  2.50244141e-02, -2.61718750e-01, -3.04687500e-01,
         4.24804688e-02, -1.16699219e-01, -1.07910156e-01,  1.68945312e-01,
        -2.08740234e-02,  3.08593750e-01, -3.90625000e-02,  8.54492188e-02,
         8.34960938e-02, -3.12500000e-01,  1.82617188e-01, -2.42187500e-01,
        -6.39648438e-02, -7.08007812e-02, -4.68750000e-02, -5.12695312e-02,
         1.02539062e-01, -1.34765625e-01,  2.23632812e-01, -8.25195312e-02,
        -2.94921875e-01,  3.02734375e-02, -2.03125000e-01,  1.33666992e-02,
         5.34667969e-02, -1.07910156e-01, -1.72851562e-01,  2.41210938e-01,
        -1.38671875e-01,  8.59375000e-02,  5.56640625e-02,  1.02539062e-01,
         8.98437500e-02,  1.94091797e-02, -2.83203125e-01,  3.78417969e-02,
        -6.64062500e-02, -2.39257812e-01,  1.30859375e-01,  2.50244141e-02,
        -4.54101562e-02, -2.69531250e-01, -2.12890625e-01, -1.15722656e-01,
        -1.90429688e-01,  1.19628906e-01,  1.97753906e-02, -6.44531250e-02,
         2.36328125e-01,  3.85742188e-02,  1.62109375e-01,  2.15148926e-03,
         1.70898438e-01,  2.45361328e-02,  8.44726562e-02,  1.23291016e-02,
         1.22070312e-01,  4.30297852e-03,  3.76953125e-01,  1.92382812e-01,
         4.66308594e-02,  4.39453125e-02,  2.18750000e-01,  5.71289062e-02,
         7.81250000e-02, -3.95507812e-02, -1.70898438e-01,  4.05883789e-03,
         1.89208984e-02,  2.29492188e-01,  3.86718750e-01, -2.32421875e-01,
        -1.29882812e-01, -1.63085938e-01,  6.39648438e-02,  9.21630859e-03,
         1.69677734e-02,  1.37939453e-02,  3.12500000e-01,  7.86132812e-02,
        -1.00708008e-02,  3.03649902e-03,  1.06933594e-01,  1.39160156e-02,
        -6.98242188e-02,  8.05664062e-02, -6.34765625e-02, -8.05664062e-02,
         1.05468750e-01, -1.83593750e-01,  5.49316406e-02, -1.88476562e-01,
         3.17382812e-02, -2.12890625e-01, -6.29882812e-02,  9.27734375e-02,
         3.80859375e-02, -1.06933594e-01,  4.08203125e-01,  2.25585938e-01,
        -1.86523438e-01,  1.94335938e-01, -3.44238281e-02,  5.90820312e-02,
```

```
        -2.95410156e-02,  5.68847656e-02, -1.57226562e-01, -4.07714844e-02,
         2.43164062e-01,  1.60156250e-01, -2.67578125e-01, -3.57421875e-01,
        -7.04956055e-03,  2.94921875e-01,  1.09375000e-01, -3.04687500e-01,
         1.94335938e-01, -2.87109375e-01, -2.36328125e-01,  2.81250000e-01,
         1.14257812e-01,  1.92871094e-02,  6.12792969e-02,  7.23266602e-03,
         1.10473633e-02, -1.78527832e-03,  2.08007812e-01,  1.22680664e-02,
        -2.73437500e-01, -1.63085938e-01,  3.90625000e-02,  1.29882812e-01,
        -3.24218750e-01,  1.53320312e-01,  3.97949219e-02, -1.83593750e-01,
        -1.05957031e-01, -3.34472656e-02, -2.81250000e-01, -4.07714844e-02,
         1.07421875e-01,  1.19140625e-01, -2.13867188e-01,  5.73730469e-02,
        -7.42187500e-02,  1.50390625e-01, -1.99218750e-01,  1.02539062e-01,
        -9.94873047e-03,  3.96728516e-03,  2.57812500e-01,  8.59375000e-02,
         1.57226562e-01, -1.21093750e-01, -4.51660156e-02, -2.35351562e-01,
        -1.66015625e-02, -1.36718750e-01, -1.29882812e-01, -3.24218750e-01,
         1.66015625e-02, -8.30078125e-02,  3.20312500e-01, -3.86718750e-01,
         3.63769531e-02, -9.57031250e-02, -2.31445312e-01,  1.05468750e-01,
         1.06933594e-01,  1.99218750e-01, -3.71093750e-02,  2.58789062e-02,
        -1.56250000e-01, -2.12890625e-01,  1.10839844e-01,  3.14941406e-02,
         7.76367188e-02, -1.04980469e-01,  3.26171875e-01, -9.91210938e-02,
        -1.43554688e-01,  9.00268555e-04, -1.54296875e-01,  2.27539062e-01,
        -1.40625000e-01, -1.42578125e-01,  1.08398438e-01, -2.39257812e-01,
        -1.65039062e-01,  1.15234375e-01,  1.11328125e-01,  1.21093750e-01,
         3.14941406e-02,  1.17187500e-01, -6.98242188e-02,  3.45703125e-01,
         1.40625000e-01,  2.91015625e-01, -3.22265625e-02, -8.49609375e-02,
        -2.95410156e-02, -1.56250000e-01, -1.86767578e-02, -2.33398438e-01,
        -1.50146484e-02, -1.89453125e-01,  9.13085938e-02,  1.17187500e-01,
        -4.41894531e-02, -6.49414062e-02, -2.68554688e-02,  9.17968750e-02,
        -8.54492188e-02, -3.47656250e-01,  5.52368164e-03, -3.43750000e-01,
         1.60156250e-01, -9.03320312e-02,  1.39648438e-01, -1.53808594e-02,
         1.12304688e-01,  1.71875000e-01,  8.83789062e-02,  6.03027344e-02,
         1.75781250e-01, -2.86865234e-03,  2.47070312e-01,  1.46484375e-01,
         2.05078125e-01,  1.18164062e-01,  1.85546875e-02,  9.86328125e-02,
        -2.94921875e-01, -1.23046875e-01, -5.43212891e-03, -1.46484375e-01,
        -1.16699219e-01, -1.48437500e-01, -1.56250000e-01,  7.03125000e-02,
         3.34472656e-02,  7.22656250e-02, -4.04296875e-01, -6.89697266e-03,
        -4.73632812e-02,  1.17675781e-01,  9.57031250e-02, -9.81445312e-02,
        -7.27539062e-02, -2.75390625e-01,  1.64062500e-01,  2.17773438e-01,
         3.61328125e-01,  2.02148438e-01,  1.66992188e-01, -2.11181641e-02,
        -6.17675781e-02, -9.71679688e-02,  2.98828125e-01,  1.05590820e-02,
        -1.88476562e-01,  4.05273438e-02,  9.86328125e-02,  1.16348267e-04,
        -1.43554688e-01,  6.68945312e-02,  4.83398438e-02,  5.15625000e-01,
         2.83203125e-01, -1.67968750e-01, -5.54199219e-02,  1.19140625e-01,
         5.37109375e-02, -9.96093750e-02, -1.85546875e-02, -4.95605469e-02,
         6.73828125e-02, -2.59765625e-01,  1.68945312e-01, -1.63085938e-0
1],
       dtype=float32),
 'client': array([-1.35742188e-01,  3.73535156e-02, -1.68945312e-01,  7.177
73438e-02,
        -7.81250000e-03,  3.30078125e-01, -1.80816650e-03,  7.03125000e-02,
         3.76953125e-01,  4.02832031e-02,  8.60595703e-03,  1.63085938e-01,
         1.79443359e-02, -1.07910156e-01,  3.93066406e-02,  2.01171875e-01,
         3.34472656e-02,  1.65039062e-01, -1.02539062e-01,  1.23535156e-01,
        -5.63964844e-02, -1.02050781e-01,  7.95898438e-02, -4.05273438e-02,
         1.69921875e-01, -3.39843750e-01, -2.04101562e-01,  3.12500000e-01,
         8.59375000e-02,  3.26156616e-04,  1.07910156e-01,  4.95605469e-02,
         2.46582031e-02, -9.71679688e-02,  1.77001953e-02,  1.57226562e-01,
         2.07031250e-01,  1.27563477e-02,  1.26953125e-01, -3.73046875e-01,
         1.75781250e-01,  1.50390625e-01, -4.37011719e-02, -1.17675781e-01,
         2.96630859e-02, -1.42578125e-01, -1.34765625e-01,  4.54711914e-03,
         7.87353516e-03,  1.13281250e-01,  1.91406250e-01, -9.08203125e-02,
        -2.03125000e-01,  1.37939453e-02, -1.20605469e-01,  7.91015625e-02,
        -6.78710938e-02,  1.68945312e-01, -4.05273438e-02, -1.66015625e-01,
         8.74023438e-02,  3.24707031e-02,  6.83593750e-02,  7.59887695e-03,
        -9.03320312e-02,  1.66992188e-01,  1.14257812e-01, -2.71484375e-01,
```

```
         9.22851562e-02, -5.85937500e-02,  2.19726562e-02,  3.46679688e-02,
         1.47460938e-01,  7.86132812e-02, -2.14843750e-01,  1.25732422e-02,
         3.55468750e-01, -5.71289062e-02,  5.76171875e-02, -6.39648438e-02,
         6.73828125e-02, -3.00292969e-02, -3.56445312e-02, -7.37304688e-02,
         2.50000000e-01, -2.07031250e-01, -1.67968750e-01,  3.33984375e-01,
         3.90625000e-03, -8.44726562e-02,  2.61718750e-01, -2.65625000e-01,
        -1.06445312e-01, -9.57031250e-02,  4.78515625e-02, -3.75000000e-01,
         1.01074219e-01, -1.31835938e-02,  1.72851562e-01, -1.71875000e-01,
        -4.78515625e-02, -3.75976562e-02, -6.10351562e-02, -5.24902344e-02,
         1.35742188e-01, -1.72851562e-01, -1.90429688e-01,  1.46484375e-01,
         1.98974609e-02, -8.54492188e-02, -2.13867188e-01, -2.07031250e-01,
        -3.55468750e-01, -1.14746094e-01,  6.49414062e-02, -8.98437500e-02,
        -2.38281250e-01, -4.76074219e-02,  3.92578125e-01,  2.44140625e-02,
        -9.91210938e-02, -1.87500000e-01, -6.17675781e-02,  5.71289062e-02,
         1.91406250e-01, -1.31835938e-01,  4.17480469e-02,  1.19140625e-01,
         2.28515625e-01, -7.51953125e-02, -1.70898438e-01, -6.39648438e-02,
        -4.00390625e-02, -2.26562500e-01, -7.20214844e-03, -1.92382812e-01,
         2.10937500e-01,  1.87500000e-01,  2.22656250e-01, -1.78222656e-02,
        -2.12890625e-01,  3.78417969e-02, -5.90820312e-02,  1.95312500e-01,
        -1.45874023e-02,  2.03125000e-01, -3.52478027e-03,  4.24804688e-02,
        -8.64257812e-02,  2.33398438e-01,  3.67187500e-01,  9.47265625e-02,
        -4.60815430e-03, -3.66210938e-02, -1.67968750e-01,  6.64062500e-02,
        -6.05468750e-02, -5.32226562e-02, -2.65625000e-01,  2.92968750e-01,
        -1.83593750e-01, -1.08642578e-02, -1.06445312e-01,  2.37304688e-01,
        -2.16796875e-01,  1.75781250e-01,  7.76367188e-02, -3.12500000e-02,
        -5.85937500e-02,  2.87109375e-01,  2.18505859e-02,  3.85742188e-02,
         4.22363281e-02, -1.50390625e-01, -4.10156250e-02, -2.86865234e-02,
         4.58984375e-01, -2.62451172e-03, -1.86523438e-01, -1.72851562e-01,
         1.74560547e-02, -2.31933594e-02, -1.12304688e-01, -2.31445312e-01,
        -9.96093750e-02,  7.37304688e-02,  1.43554688e-01,  2.06054688e-01,
        -1.00097656e-01, -3.16406250e-01, -3.32031250e-01, -3.41796875e-01,
         2.29492188e-02, -2.61230469e-02, -5.10253906e-02,  1.67236328e-02,
        -1.86523438e-01,  1.25000000e-01, -7.42187500e-02, -2.49023438e-01,
         3.22265625e-02,  4.88281250e-02,  7.32421875e-02, -2.25830078e-02,
        -1.83105469e-02,  1.35742188e-01, -2.59765625e-01, -5.82885742e-03,
        -2.14843750e-02, -1.40625000e-01,  9.86328125e-02, -1.95312500e-01,
        -8.48388672e-03, -1.81640625e-01, -1.02539062e-01,  1.01074219e-01,
        -6.59179688e-02,  2.05078125e-01, -2.10937500e-01, -4.51660156e-02,
         2.88085938e-02,  1.23535156e-01, -6.49414062e-02, -3.63769531e-02,
        -8.39843750e-02,  1.67846680e-03,  6.15234375e-02, -7.86132812e-02,
        -1.15966797e-02, -4.00390625e-02, -6.44531250e-02,  7.51953125e-02,
        -4.70703125e-01, -4.16015625e-01, -3.45703125e-01, -1.78710938e-01,
        -2.08984375e-01,  1.83593750e-01, -2.30468750e-01, -1.58203125e-01,
        -1.33789062e-01, -1.13769531e-01, -1.73828125e-01, -3.61328125e-01,
         3.30078125e-01,  1.29699707e-03, -9.76562500e-02,  8.00781250e-02,
         1.36718750e-01, -1.48010254e-03, -1.31835938e-01,  2.28271484e-02,
        -6.39648438e-02,  1.01074219e-01, -1.19140625e-01, -6.75201416e-04,
        -3.12500000e-01,  9.91210938e-02, -7.08007812e-02,  4.54101562e-02,
        -1.39648438e-01, -4.32128906e-02, -6.78710938e-02, -6.29882812e-02,
        -1.47460938e-01,  2.92968750e-01, -1.61132812e-01, -9.47265625e-02,
        -2.16796875e-01, -6.39648438e-02,  1.13769531e-01, -6.86645508e-03,
        -3.44238281e-02,  1.96533203e-02, -1.85546875e-02, -1.58203125e-01,
        -1.17675781e-01,  1.79687500e-01,  7.22656250e-02, -5.98144531e-02,
        -4.85839844e-02, -2.06298828e-02, -1.88446045e-03,  1.83593750e-01,
        -2.02148438e-01,  2.87109375e-01, -7.56835938e-02, -1.19140625e-01,
        -1.22070312e-02,  7.61718750e-02,  6.25000000e-02,  1.76757812e-01,
        -3.41796875e-02, -2.85644531e-02,  5.34667969e-02,  1.52343750e-01,
         1.71875000e-01, -1.63085938e-01, -1.65039062e-01, -2.44140625e-0
1],
       dtype=float32),
 'instructional': array([ 1.15871429e-04, -1.65039062e-01,  2.26562500e-01,
1.27929688e-01,
        -3.75976562e-02,  1.65039062e-01,  1.27929688e-01, -1.63085938e-01,
        -2.42187500e-01, -1.25000000e-01, -5.51757812e-02,  2.37304688e-01,
```

```
-6.44531250e-02,  1.86523438e-01, -1.85546875e-02,  7.47070312e-02,
-4.58984375e-02,  1.21582031e-01,  2.16796875e-01,  1.15234375e-01,
 1.43554688e-01,  1.60156250e-01, -3.39355469e-02,  2.65625000e-01,
-1.79687500e-01, -9.13085938e-02, -1.37695312e-01, -2.69775391e-02,
-4.05273438e-02, -5.61523438e-02, -1.45507812e-01, -1.32812500e-01,
-8.17871094e-03,  1.16210938e-01,  2.01416016e-02, -3.16406250e-01,
-9.96093750e-02,  6.68945312e-02,  2.48046875e-01, -2.51953125e-01,
 2.06054688e-01,  1.57470703e-02,  2.02148438e-01, -9.76562500e-02,
-2.12890625e-01, -1.10839844e-01,  1.82617188e-01, -1.28784180e-02,
-5.37109375e-02,  3.12500000e-01, -2.05078125e-01, -2.03125000e-01,
-3.68652344e-02,  5.29785156e-02,  1.39648438e-01,  9.86328125e-02,
 2.22656250e-01, -2.63671875e-02,  2.12890625e-01,  3.10058594e-02,
-7.81250000e-02,  3.85742188e-02,  8.30078125e-02, -3.67187500e-01,
 1.22558594e-01,  1.81884766e-02, -3.53515625e-01,  1.37695312e-01,
 2.63671875e-01, -9.64355469e-03, -5.32226562e-02,  2.44140625e-02,
 1.04980469e-02,  4.73632812e-02, -4.58984375e-02,  5.42968750e-01,
 1.71875000e-01,  4.85229492e-03, -3.41796875e-02, -1.00097656e-01,
 3.22265625e-01, -6.00585938e-02, -3.00781250e-01,  2.43164062e-01,
 2.09960938e-01, -2.14843750e-01,  1.37695312e-01,  3.67187500e-01,
 1.65039062e-01,  1.41601562e-01, -9.81445312e-02, -1.06933594e-01,
-2.05078125e-02, -5.90820312e-02,  1.42578125e-01, -2.25585938e-01,
 1.85546875e-01,  1.16210938e-01, -2.57812500e-01, -1.77001953e-02,
 1.47460938e-01,  1.72851562e-01, -1.33789062e-01, -1.07910156e-01,
 8.05664062e-03, -8.64257812e-02,  3.18359375e-01,  1.55273438e-01,
-1.94335938e-01, -2.27539062e-01, -1.31835938e-01,  1.36718750e-01,
-3.14453125e-01,  7.86132812e-02,  4.66308594e-02,  1.77764893e-03,
 1.18652344e-01, -1.93359375e-01,  2.85156250e-01, -6.68945312e-02,
 2.02636719e-02,  8.42285156e-03,  3.00781250e-01,  2.09960938e-01,
 1.01562500e-01, -2.67578125e-01, -4.19921875e-01,  2.59765625e-01,
-1.06933594e-01,  6.64062500e-01, -1.10473633e-02, -2.91015625e-01,
-2.41210938e-01,  4.63867188e-02,  1.36718750e-01, -1.36718750e-01,
-1.11328125e-01, -2.19726562e-01, -1.29394531e-02, -3.11279297e-02,
-2.06054688e-01, -1.65039062e-01, -1.74560547e-02, -1.89453125e-01,
-8.34960938e-02,  3.36914062e-02,  2.23388672e-02,  9.71679688e-02,
 1.78710938e-01, -4.10156250e-02,  1.12792969e-01,  1.07910156e-01,
-5.73730469e-02,  6.25000000e-02, -7.81250000e-02, -1.72851562e-01,
 1.26953125e-01, -3.10546875e-01, -2.28515625e-01, -3.56445312e-02,
-1.41601562e-01,  1.25000000e-01,  3.73535156e-02,  2.87109375e-01,
-2.81250000e-01, -7.22656250e-02,  3.19824219e-02, -1.60156250e-01,
 2.32421875e-01, -2.01416016e-02,  7.27539062e-02, -1.85546875e-02,
-7.66601562e-02,  1.37939453e-02,  3.33984375e-01,  2.37304688e-01,
-3.19824219e-02,  3.88183594e-02, -1.36718750e-01,  1.21582031e-01,
-2.22656250e-01, -1.36718750e-01,  2.44140625e-01,  1.40625000e-01,
 4.98046875e-02,  2.50000000e-01, -3.78906250e-01, -3.02734375e-01,
 5.19531250e-01,  4.78515625e-02, -4.73632812e-02, -1.73828125e-01,
-9.37500000e-02, -5.05371094e-02, -4.06250000e-01, -1.93359375e-01,
 2.96875000e-01, -4.02343750e-01,  2.83203125e-02, -2.45117188e-01,
-1.32812500e-01, -9.96093750e-02,  1.86523438e-01,  1.06445312e-01,
-3.30078125e-01, -3.82812500e-01, -1.74804688e-01, -2.65625000e-01,
-1.68945312e-01,  1.72851562e-01,  9.13085938e-02, -9.13085938e-02,
-9.91210938e-02, -1.34765625e-01,  1.27929688e-01,  1.45507812e-01,
 1.98242188e-01,  5.56640625e-02, -1.75781250e-01, -4.43359375e-01,
 2.13867188e-01, -8.49609375e-02,  1.54296875e-01, -1.11328125e-01,
-8.05664062e-02,  7.22656250e-02, -1.18652344e-01, -1.04003906e-01,
 2.30468750e-01, -1.35742188e-01, -2.76184082e-03, -5.17578125e-02,
 8.78906250e-03, -1.66992188e-01,  7.12890625e-02,  2.51953125e-01,
 1.41601562e-02, -1.30615234e-02,  1.58691406e-02, -4.10156250e-02,
-4.46777344e-02,  6.07910156e-02,  3.55468750e-01, -7.96875000e-01,
-4.16015625e-01, -8.05664062e-02, -2.35351562e-01, -5.71289062e-02,
-1.39648438e-01, -4.19921875e-01, -1.23291016e-02,  1.29882812e-01,
-2.36328125e-01,  2.34375000e-01,  6.78710938e-02, -1.47460938e-01,
-3.30078125e-01, -1.40625000e-01,  2.72216797e-02,  1.21093750e-01,
-2.71484375e-01,  3.41796875e-01, -1.93359375e-01, -4.14062500e-01,
-2.30468750e-01, -2.45361328e-02, -2.88085938e-02, -4.29687500e-02,
```

```
        -2.37304688e-01, -4.83398438e-02,  2.20703125e-01,  8.39843750e-02,
        -3.28125000e-01,  1.32446289e-02, -4.49218750e-02, -7.51953125e-02,
         3.06396484e-02, -2.31445312e-01, -2.20947266e-02, -1.73828125e-01,
        -1.50146484e-02,  2.29492188e-01,  1.94335938e-01,  6.07910156e-02,
        -3.41796875e-01, -1.08886719e-01, -2.92968750e-01,  1.42578125e-01,
         1.60156250e-01,  2.01171875e-01, -1.77734375e-01, -1.53320312e-01,
         1.40625000e-01, -3.39355469e-02,  1.43554688e-01,  5.81054688e-02,
         1.32812500e-01, -8.48388672e-03,  1.90429688e-02,  8.25195312e-0
2],
       dtype=float32),
 'practicum': array([-3.08593750e-01, -4.53125000e-01, -2.14843750e-01,  2.
15820312e-01,
         5.23437500e-01,  4.63867188e-02,  2.55859375e-01, -1.13281250e-01,
        -2.51953125e-01, -2.14843750e-01,  3.78906250e-01,  1.10839844e-01,
         1.04003906e-01,  9.61914062e-02, -1.47460938e-01,  2.40234375e-01,
        -1.19628906e-01,  1.50390625e-01,  4.80957031e-02, -4.70703125e-01,
         6.29882812e-02,  3.45703125e-01, -1.07421875e-01,  1.54296875e-01,
         6.98242188e-02, -1.49414062e-01, -1.61132812e-01, -3.20312500e-01,
        -2.27539062e-01, -3.49121094e-02, -1.73828125e-01, -1.88476562e-01,
        -1.93359375e-01, -9.33837891e-03, -6.04248047e-03, -2.61718750e-01,
        -2.50000000e-01,  6.64062500e-02,  2.23632812e-01, -2.17773438e-01,
        -2.61718750e-01, -1.07421875e-01, -2.27539062e-01,  6.68945312e-02,
        -2.06054688e-01, -1.28906250e-01,  6.20117188e-02,  2.56347656e-02,
         5.54199219e-02,  2.29492188e-01,  5.17578125e-02, -3.24218750e-01,
        -1.15234375e-01,  1.95312500e-02,  7.22656250e-02,  1.23535156e-01,
         1.72851562e-01,  1.15722656e-01, -1.33056641e-02, -3.65234375e-01,
        -1.37695312e-01,  1.92382812e-01,  7.86132812e-02,  2.45361328e-02,
        -1.87988281e-02,  3.01513672e-02,  8.30078125e-02, -2.85156250e-01,
        -1.41601562e-02, -3.06640625e-01, -2.04101562e-01,  8.74023438e-02,
         2.36328125e-01, -7.61718750e-02,  6.25000000e-02, -6.29882812e-02,
         2.07031250e-01, -1.37695312e-01,  3.90625000e-02,  2.09960938e-01,
        -6.68945312e-02,  9.81445312e-02, -1.57226562e-01, -1.21459961e-02,
        -1.65039062e-01,  1.38671875e-01, -3.16406250e-01,  2.01171875e-01,
         1.93359375e-01, -1.17675781e-01, -3.37890625e-01, -4.10156250e-01,
        -2.50000000e-01,  7.81250000e-02,  1.38671875e-01, -1.71875000e-01,
         5.68847656e-02, -1.35742188e-01, -1.32812500e-01, -2.41210938e-01,
         3.43750000e-01, -3.16406250e-01, -2.55859375e-01, -3.32031250e-01,
         2.91015625e-01, -3.63281250e-01,  9.96093750e-02, -9.22851562e-02,
         2.13867188e-01, -6.00585938e-02,  5.59082031e-02,  1.41601562e-01,
         1.74804688e-01,  8.54492188e-02,  9.08203125e-02,  1.79687500e-01,
         4.54101562e-02, -1.72851562e-01,  2.49023438e-01, -9.57031250e-02,
         3.87191772e-04, -2.79296875e-01,  1.96533203e-02,  3.45703125e-01,
        -1.31835938e-01,  1.57226562e-01, -2.57812500e-01, -5.71289062e-02,
         2.50244141e-02,  4.21875000e-01, -3.86718750e-01, -3.66210938e-02,
        -1.68457031e-02, -2.85156250e-01,  5.34057617e-03,  2.79296875e-01,
        -4.49218750e-02, -1.61132812e-02, -1.89453125e-01,  2.24609375e-01,
        -4.06250000e-01,  7.22656250e-02,  1.25976562e-01, -3.61328125e-01,
         5.88378906e-02,  1.58203125e-01, -8.64257812e-02,  2.35351562e-01,
        -1.77734375e-01, -2.44140625e-01,  6.36718750e-01,  1.56250000e-01,
         1.22558594e-01,  2.94921875e-01,  2.69531250e-01, -2.55859375e-01,
        -7.56835938e-02, -2.46093750e-01, -1.78710938e-01, -8.15429688e-02,
         2.38037109e-02,  3.10546875e-01, -1.18164062e-01,  3.55468750e-01,
         1.65039062e-01,  3.51562500e-01,  5.50781250e-01, -7.91015625e-02,
         5.27343750e-02, -1.87500000e-01,  2.73437500e-01, -4.39453125e-02,
        -1.16210938e-01,  1.55273438e-01,  2.65625000e-01,  1.85546875e-01,
        -9.17968750e-02, -3.22265625e-02, -2.57812500e-01, -1.31835938e-02,
        -3.37890625e-01,  1.33789062e-01,  1.59179688e-01, -1.19628906e-01,
        -3.37890625e-01,  1.32812500e-01,  1.14135742e-02, -6.64062500e-02,
         1.39648438e-01, -3.12500000e-02, -6.64062500e-02, -4.46777344e-02,
         2.71484375e-01,  2.49023438e-01, -1.12304688e-01,  4.66308594e-02,
         3.06640625e-01, -1.81640625e-01, -1.84570312e-01,  3.41796875e-02,
         2.57812500e-01,  3.06640625e-01,  3.22265625e-01, -5.37872314e-04,
        -6.36718750e-01, -2.15820312e-01, -1.03027344e-01, -1.40625000e-01,
         3.14453125e-01,  1.11328125e-01, -6.16455078e-03, -1.14257812e-01,
```

```
        -3.63281250e-01, -6.74438477e-03,  2.73437500e-01,  2.94189453e-02,
         1.35742188e-01, -1.05957031e-01,  1.06933594e-01, -3.08593750e-01,
         2.18200684e-03,  1.39648438e-01,  1.86523438e-01,  3.83300781e-02,
         7.76367188e-02, -3.66210938e-02,  2.95410156e-02, -2.14843750e-02,
        -2.50000000e-01, -9.76562500e-02,  1.42211914e-02, -9.32617188e-02,
         9.09423828e-03, -2.71484375e-01,  3.51562500e-01,  8.83789062e-02,
         2.55859375e-01,  3.10546875e-01, -3.02734375e-01,  3.30078125e-01,
        -4.00390625e-02,  1.99218750e-01,  5.51757812e-02, -4.45312500e-01,
        -8.54492188e-02, -3.55468750e-01, -2.29492188e-01,  1.05468750e-01,
        -3.00781250e-01, -4.31640625e-01, -1.83593750e-01,  1.71875000e-01,
        -1.94335938e-01, -1.26953125e-01,  1.42578125e-01,  2.96630859e-02,
         1.69677734e-02,  6.39648438e-02, -2.42187500e-01,  7.86132812e-02,
         4.05273438e-02,  2.57568359e-02,  3.24707031e-02, -1.29882812e-01,
         1.19018555e-02, -5.20019531e-02,  1.78710938e-01,  1.66992188e-01,
        -4.76562500e-01,  1.56250000e-01, -7.61718750e-02, -3.01513672e-02,
         3.45703125e-01,  2.69531250e-01,  1.76757812e-01, -6.32812500e-01,
         3.17382812e-03,  5.12695312e-02, -1.98242188e-01,  2.91015625e-01,
         2.38281250e-01, -2.67578125e-01,  6.12792969e-02,  3.24218750e-01,
        -3.61328125e-01, -2.49023438e-02,  1.10839844e-01,  1.42578125e-01,
        -1.57226562e-01,  3.67187500e-01, -3.98437500e-01,  1.88476562e-01,
        -9.96093750e-02,  4.05273438e-02,  1.06933594e-01,  2.61718750e-01,
        -2.36816406e-02, -3.96484375e-01,  2.00195312e-01,  2.21679688e-0
1],
       dtype=float32),
 'class': array([-8.05664062e-02,  2.14843750e-01, -6.05468750e-02,  2.3925
7812e-01,
        -4.68750000e-02, -4.07714844e-02,  1.58203125e-01, -1.97265625e-01,
        -1.06933594e-01,  9.17968750e-02,  2.38281250e-01,  2.05078125e-01,
         2.87109375e-01, -1.25976562e-01, -6.88476562e-02,  1.44531250e-01,
        -6.78710938e-02,  1.04980469e-01,  1.06933594e-01, -1.51367188e-01,
         4.49218750e-02,  5.76171875e-02, -1.04980469e-01, -5.93261719e-02,
        -5.10253906e-02,  1.29394531e-02, -9.66796875e-02,  1.41601562e-01,
         4.61425781e-02,  2.64892578e-02,  7.76367188e-02,  1.83105469e-02,
         1.05957031e-01,  2.68554688e-02,  7.17773438e-02, -3.19824219e-02,
        -3.01513672e-02,  3.66210938e-02,  6.22558594e-02,  1.07910156e-01,
        -1.56250000e-01,  9.94873047e-03,  2.08740234e-02,  8.93554688e-02,
         1.60156250e-01, -3.17382812e-02,  2.55859375e-01,  2.65625000e-01,
        -4.39453125e-02,  6.00585938e-02, -1.54296875e-01, -9.71679688e-02,
        -1.18652344e-01, -1.56250000e-01,  2.38281250e-01,  2.05078125e-01,
         3.80859375e-02, -2.32421875e-01, -8.69140625e-02, -1.49414062e-01,
         1.05468750e-01,  1.35742188e-01, -2.75390625e-01, -1.77734375e-01,
        -3.56445312e-02, -1.56250000e-01, -8.54492188e-02,  2.39257812e-01,
         1.78222656e-02,  1.48437500e-01, -2.05078125e-01, -1.96533203e-02,
         2.10937500e-01,  1.25000000e-01,  1.29394531e-02,  1.36718750e-01,
         2.65625000e-01, -6.29882812e-02,  1.43554688e-01,  4.32128906e-02,
        -4.37011719e-02,  6.00585938e-02, -1.77734375e-01, -1.27929688e-01,
         8.10546875e-02, -1.69921875e-01, -1.61132812e-01,  1.45507812e-01,
         1.97265625e-01,  1.19140625e-01, -8.74023438e-02, -1.62109375e-01,
        -5.54199219e-02, -3.93066406e-02, -1.83593750e-01, -2.89306641e-02,
        -6.53076172e-03, -3.12500000e-02, -1.88476562e-01, -5.95703125e-02,
         1.06933594e-01, -1.28906250e-01, -2.26562500e-01, -8.15429688e-02,
        -1.89453125e-01, -6.54296875e-02,  1.31835938e-01,  8.64257812e-02,
         8.39843750e-02, -1.10839844e-01,  3.51562500e-02,  1.61132812e-01,
        -1.35742188e-01,  1.10839844e-01,  1.65039062e-01,  1.03759766e-02,
        -4.80957031e-02,  2.23388672e-02,  6.49414062e-02, -7.86132812e-02,
        -1.94091797e-02,  8.48388672e-03,  7.86132812e-02, -8.44726562e-02,
         4.68750000e-02,  6.64062500e-02,  1.04003906e-01, -2.06054688e-01,
         7.91015625e-02,  7.95898438e-02,  5.02929688e-02,  4.56542969e-02,
        -1.51367188e-01, -1.07421875e-01,  3.95507812e-02, -3.16406250e-01,
         3.34472656e-02,  2.53906250e-01, -7.66601562e-02,  1.98974609e-02,
        -1.92382812e-01, -2.98828125e-01,  1.40625000e-01, -2.74658203e-02,
        -3.12500000e-02, -1.09863281e-01,  1.19140625e-01,  1.44531250e-01,
         1.79687500e-01,  1.33789062e-01,  5.03906250e-01,  7.17773438e-02,
        -9.21630859e-03, -1.36108398e-02, -1.10351562e-01, -1.01074219e-01,
```

```
        -5.06591797e-03, -8.05664062e-02, -8.93554688e-02, -3.75976562e-02,
        -8.20312500e-02,  8.60595703e-03,  8.05664062e-02, -1.25000000e-01,
        -1.68945312e-01,  1.54296875e-01, -2.46763229e-05, -5.73730469e-02,
        -9.61914062e-02, -2.63977051e-03, -4.16015625e-01, -1.25000000e-01,
         1.14257812e-01, -1.43554688e-01,  2.24609375e-01,  2.07519531e-02,
         3.95507812e-02,  1.35742188e-01, -1.05468750e-01,  2.36328125e-01,
         4.24804688e-02,  5.37109375e-02, -2.12890625e-01,  1.09375000e-01,
        -8.36181641e-03, -1.34765625e-01,  1.96289062e-01, -6.15234375e-02,
         2.07031250e-01, -8.00781250e-02,  1.29882812e-01, -7.37304688e-02,
         4.02832031e-03, -2.17285156e-02,  4.22363281e-02,  7.81250000e-02,
        -3.71093750e-02,  1.23535156e-01, -8.78906250e-02, -1.31835938e-01,
        -1.50390625e-01, -1.26953125e-02,  2.33154297e-02,  1.53808594e-02,
        -4.35546875e-01, -5.02929688e-02, -1.60156250e-01,  1.08398438e-01,
        -1.98242188e-01, -9.21630859e-03,  1.52343750e-01,  1.52587891e-02,
        -1.56250000e-01, -6.93359375e-02,  2.74658203e-02,  2.10937500e-01,
        -4.83398438e-02, -3.71093750e-02, -1.13281250e-01, -1.56250000e-01,
        -1.26953125e-01,  8.83789062e-02,  1.30859375e-01,  5.12695312e-02,
         7.76367188e-02, -1.72119141e-02,  1.07421875e-01, -7.56835938e-02,
         2.33154297e-02, -1.68945312e-01,  1.49414062e-01,  2.85644531e-02,
         2.30468750e-01, -1.03027344e-01,  2.19726562e-01, -2.55126953e-02,
        -2.73437500e-02,  3.90625000e-03,  1.56250000e-01, -7.95898438e-02,
         1.98242188e-01, -9.22851562e-02, -1.99218750e-01,  5.93261719e-02,
         1.47094727e-02, -9.47265625e-02, -1.41601562e-01, -1.57226562e-01,
        -1.54296875e-01, -1.32812500e-01,  9.96093750e-02, -3.24707031e-02,
         2.07519531e-03,  3.10058594e-02,  2.85644531e-02, -2.98828125e-01,
        -1.94335938e-01,  4.83398438e-02, -1.66992188e-01, -6.07910156e-02,
         6.29882812e-02, -8.60595703e-03, -2.77343750e-01,  3.83300781e-02,
         9.76562500e-03,  8.44726562e-02,  3.33984375e-01,  6.50024414e-03,
        -2.51464844e-02, -1.33789062e-01, -9.61914062e-02,  5.98144531e-02,
        -1.03515625e-01,  1.82617188e-01,  4.10156250e-02, -3.14941406e-02,
        -1.53198242e-02, -3.86718750e-01, -2.45117188e-01, -1.91406250e-01,
         1.74804688e-01, -9.13085938e-02,  2.96630859e-02,  1.58691406e-02,
        -1.90429688e-01,  1.89453125e-01, -1.57226562e-01,  9.22851562e-02,
         9.08203125e-02,  2.27050781e-02,  2.83813477e-03, -6.39648438e-02,
        -1.69921875e-01, -5.54199219e-02,  3.06396484e-02,  6.54296875e-02,
        -1.77734375e-01,  1.31835938e-01, -2.99072266e-02,  2.40478516e-0
2],
       dtype=float32),
 'instruction': array([ 9.61914062e-02, -8.59375000e-02,  1.95312500e-01, -
1.04370117e-02,
         6.49414062e-02,  2.05078125e-01,  1.18164062e-01, -2.55859375e-01,
        -2.20703125e-01, -1.66992188e-01,  1.13769531e-01,  2.10937500e-01,
         5.17578125e-02,  1.14257812e-01, -5.39550781e-02,  3.00781250e-01,
        -1.84570312e-01,  4.22363281e-02, -6.53076172e-03, -1.96289062e-01,
         3.06640625e-01,  2.91015625e-01, -6.78710938e-02,  2.67578125e-01,
        -1.74804688e-01, -3.33984375e-01, -6.78710938e-02, -7.95898438e-02,
        -1.44531250e-01,  1.33789062e-01,  1.62109375e-01, -1.62109375e-01,
        -1.08886719e-01,  7.08007812e-02, -1.18164062e-01, -2.74658203e-02,
        -6.59179688e-02,  9.71679688e-02,  1.85546875e-01, -1.87500000e-01,
        -3.14941406e-02,  8.49609375e-02,  1.03027344e-01, -1.42578125e-01,
         4.30297852e-03, -5.61523438e-02,  1.68945312e-01,  5.10253906e-02,
        -1.56250000e-01,  1.67968750e-01,  1.29394531e-02, -9.03320312e-02,
        -6.44531250e-02,  1.13769531e-01,  1.00585938e-01,  5.41992188e-02,
         1.32812500e-01, -2.89306641e-02, -1.32812500e-01, -2.23632812e-01,
        -6.64062500e-02,  8.39843750e-02,  8.20312500e-02, -4.27734375e-01,
         1.82617188e-01, -2.77099609e-02, -2.91015625e-01, -1.83105469e-02,
        -4.44335938e-02,  8.97216797e-03, -9.81445312e-02, -1.54296875e-01,
         2.03125000e-01,  2.05078125e-01, -2.90527344e-02,  1.37695312e-01,
         1.29882812e-01, -3.54003906e-02,  1.36718750e-01,  3.44238281e-02,
         2.57812500e-01, -4.68750000e-02,  4.71191406e-02,  1.12792969e-01,
        -5.81054688e-02, -6.93359375e-02,  6.05468750e-02,  1.92382812e-01,
         2.36328125e-01,  2.18505859e-02,  1.15722656e-01, -1.29882812e-01,
         1.26342773e-02, -5.85937500e-03,  1.54296875e-01, -1.42211914e-02,
         6.10351562e-02, -1.00585938e-01, -6.78710938e-02, -7.03125000e-02,
```

```
         4.63867188e-02,  1.14746094e-01, -1.72851562e-01,  4.88281250e-02,
        -1.12304688e-01, -7.95898438e-02,  4.23828125e-01,  6.05468750e-02,
         4.98046875e-02, -1.82617188e-01, -8.69140625e-02,  1.04003906e-01,
        -1.48437500e-01,  9.71679688e-02, -1.42211914e-02,  1.34765625e-01,
         1.84570312e-01, -8.72802734e-03,  6.22558594e-02,  5.98144531e-03,
        -2.59765625e-01,  1.52343750e-01,  1.11328125e-01,  7.17773438e-02,
         1.09863281e-01, -1.42578125e-01, -3.26171875e-01, -3.00292969e-02,
         1.23291016e-02,  5.46875000e-01, -8.44726562e-02, -2.02148438e-01,
        -2.04101562e-01, -5.44433594e-02,  1.18652344e-01, -1.56250000e-01,
         2.32421875e-01, -1.38671875e-01, -7.56835938e-02,  7.47070312e-02,
        -2.15820312e-01,  4.54101562e-02, -8.88671875e-02, -2.16796875e-01,
        -2.08984375e-01, -8.00781250e-02,  9.52148438e-02,  2.85644531e-02,
         1.73828125e-01,  3.72314453e-03,  7.81250000e-02,  1.28906250e-01,
        -1.32812500e-01, -1.24511719e-01, -4.68750000e-02, -1.29882812e-01,
        -1.41601562e-01, -4.80957031e-02, -3.24218750e-01, -9.13085938e-02,
        -5.71289062e-02,  2.39257812e-01, -6.73828125e-02,  1.03515625e-01,
        -3.53515625e-01, -1.23046875e-01,  2.65625000e-01, -1.02050781e-01,
         1.69677734e-02, -6.78710938e-02, -1.61132812e-01,  3.93066406e-02,
        -1.47460938e-01, -1.64062500e-01,  3.86718750e-01,  1.22558594e-01,
        -2.90527344e-02, -1.39648438e-01, -6.20117188e-02, -1.01928711e-02,
        -3.22265625e-01,  1.42211914e-02,  2.34375000e-01,  2.19726562e-01,
         1.29882812e-01,  1.47460938e-01,  1.74804688e-01, -2.51953125e-01,
         3.02734375e-01, -3.22341919e-04, -6.39648438e-02, -2.53906250e-02,
        -9.03320312e-02,  2.39257812e-02, -1.26953125e-01, -2.81250000e-01,
         1.57226562e-01, -2.57812500e-01, -7.72094727e-03, -7.12890625e-02,
        -6.49414062e-02, -1.75781250e-01,  5.76171875e-02, -1.08398438e-01,
        -1.00585938e-01, -1.71875000e-01, -1.69677734e-02, -1.13281250e-01,
        -1.71875000e-01,  3.95507812e-02,  5.39550781e-02, -7.23266602e-03,
         2.49023438e-02, -1.31835938e-02,  7.66601562e-02,  1.12792969e-01,
         2.71484375e-01,  1.65039062e-01, -2.53906250e-01, -4.29687500e-01,
        -6.31713867e-03, -4.34570312e-02,  5.24902344e-02,  1.74560547e-02,
        -5.41992188e-02, -5.02929688e-02,  7.42187500e-02,  9.22851562e-02,
         7.51953125e-02, -5.49316406e-02,  6.12792969e-02, -3.67187500e-01,
        -1.26953125e-01, -1.66015625e-01,  1.48437500e-01,  9.61914062e-02,
         1.25000000e-01,  1.12792969e-01,  1.26953125e-01, -4.73632812e-02,
        -9.27734375e-02,  1.02539062e-01,  1.37695312e-01, -1.43554688e-01,
        -8.34960938e-02, -3.69140625e-01, -1.50390625e-01, -7.26318359e-03,
         1.15722656e-01, -1.22070312e-01,  1.55273438e-01,  4.88281250e-03,
        -2.46093750e-01,  1.42578125e-01,  6.20117188e-02, -1.36718750e-01,
        -2.50000000e-01, -1.47460938e-01, -7.32421875e-02,  1.21582031e-01,
         5.20019531e-02,  3.39843750e-01, -3.35937500e-01, -3.75000000e-01,
        -1.96289062e-01,  2.19726562e-01,  2.17773438e-01,  8.23974609e-03,
        -2.75390625e-01, -8.60595703e-03,  9.37500000e-02, -3.55529785e-03,
        -1.90429688e-01,  1.72851562e-01,  6.34765625e-03, -7.56835938e-02,
        -6.54296875e-02, -1.62109375e-01,  3.06396484e-02,  1.19628906e-01,
         6.44531250e-02,  7.76367188e-02,  4.37500000e-01,  2.13623047e-02,
        -1.72851562e-01,  9.76562500e-04,  8.54492188e-03,  2.57812500e-01,
         2.81982422e-02,  3.04687500e-01, -1.83593750e-01,  5.71289062e-02,
         2.69531250e-01, -2.94921875e-01,  2.21679688e-01, -8.49609375e-02,
        -3.56445312e-02, -1.54296875e-01, -9.52148438e-02,  2.02148438e-0
1],
       dtype=float32),
 'tool': array([ 3.55468750e-01, -1.05957031e-01,  6.10351562e-02, -2.33154
297e-02,
        -3.14453125e-01,  3.49609375e-01,  1.51367188e-01,  5.10253906e-02,
         1.24511719e-01, -8.49609375e-02,  9.37500000e-02, -3.59375000e-01,
         1.23535156e-01, -9.08203125e-02,  2.09960938e-01,  5.12695312e-03,
         1.47460938e-01,  4.29687500e-02, -3.33984375e-01, -4.02343750e-01,
         3.32031250e-01,  1.35742188e-01, -2.22656250e-01,  3.26171875e-01,
        -9.03320312e-02,  8.98437500e-02,  7.26318359e-03,  1.37695312e-01,
        -1.40625000e-01, -2.47070312e-01,  5.93261719e-02, -1.52343750e-01,
        -6.49414062e-02, -8.93554688e-02,  1.23535156e-01,  2.91015625e-01,
        -1.35742188e-01, -1.01074219e-01,  3.98437500e-01, -5.90820312e-02,
         3.04687500e-01,  1.66992188e-01,  2.07031250e-01,  9.76562500e-02,
```

```
-2.97851562e-02, -1.25976562e-01, -3.57421875e-01,  1.31835938e-01,
-1.75476074e-03,  1.77734375e-01, -1.59179688e-01, -1.08398438e-01,
-9.27734375e-02, -4.35546875e-01,  1.37695312e-01,  9.91210938e-02,
-2.08007812e-01, -3.30078125e-01,  8.39843750e-02,  2.11914062e-01,
 2.55126953e-02, -9.37500000e-02, -8.83789062e-02,  6.20117188e-02,
-3.35937500e-01,  1.85546875e-01, -1.79687500e-01, -2.73437500e-01,
-1.21093750e-01,  1.58691406e-02, -1.81884766e-02,  1.98242188e-01,
 1.49414062e-01, -8.49609375e-02,  2.33398438e-01, -1.77734375e-01,
 9.96093750e-02,  7.22656250e-02, -4.76074219e-02, -7.08007812e-02,
 1.34765625e-01,  1.02050781e-01,  1.59179688e-01,  6.98242188e-02,
 1.76757812e-01,  9.71679688e-02, -1.22070312e-01, -4.05273438e-02,
 2.02148438e-01,  3.80859375e-02, -4.02832031e-02, -2.83203125e-01,
-1.66992188e-01,  5.00488281e-03,  1.23046875e-01, -1.05468750e-01,
-6.83593750e-02,  9.76562500e-02,  1.99218750e-01, -1.40625000e-01,
-4.22363281e-02, -1.21093750e-01, -1.05957031e-01, -2.61718750e-01,
-1.51367188e-01,  1.26953125e-01, -2.67578125e-01,  8.17871094e-03,
 1.19140625e-01, -2.92968750e-01, -1.89453125e-01, -5.12695312e-02,
 1.25000000e-01, -2.92968750e-02,  1.00097656e-01,  1.15234375e-01,
 1.02539062e-02,  7.17773438e-02, -4.00390625e-02, -3.73535156e-02,
 9.37500000e-02,  1.10473633e-02, -1.59179688e-01, -3.83300781e-02,
 2.67578125e-01,  2.23632812e-01, -1.52343750e-01,  1.75781250e-02,
 2.51953125e-01,  1.42578125e-01,  1.20605469e-01, -2.28515625e-01,
-1.47460938e-01,  6.25000000e-02,  1.25000000e-01, -1.70898438e-01,
 1.45507812e-01,  1.25976562e-01,  2.47192383e-03, -1.18164062e-01,
 3.63281250e-01, -8.48770142e-05,  1.17187500e-01, -1.63085938e-01,
-2.70996094e-02, -2.45117188e-01, -4.90722656e-02, -1.00585938e-01,
 8.54492188e-02, -9.96093750e-02,  1.89208984e-02,  5.27343750e-02,
-2.50000000e-01, -1.57470703e-02,  2.75390625e-01, -1.80664062e-01,
-4.04296875e-01,  2.91748047e-02, -2.92968750e-01, -2.05078125e-01,
 1.25976562e-01,  1.04003906e-01, -4.66308594e-02, -2.25830078e-02,
-1.88476562e-01,  4.42504883e-03, -1.25976562e-01, -1.25976562e-01,
 1.77734375e-01, -4.73632812e-02,  4.73632812e-02,  2.42187500e-01,
-1.66015625e-01, -2.28271484e-02,  2.53906250e-01,  4.29687500e-02,
 1.65039062e-01, -2.49023438e-01, -2.25585938e-01,  2.51953125e-01,
-2.92968750e-01, -1.68945312e-01,  2.28271484e-02, -1.60156250e-01,
-1.36718750e-01,  3.85742188e-02, -1.58691406e-02,  2.53906250e-01,
 2.44140625e-01, -5.27343750e-02, -3.00781250e-01,  4.05273438e-02,
 1.24511719e-01, -2.18750000e-01, -3.94531250e-01, -2.34375000e-01,
 1.59912109e-02, -6.49414062e-02, -4.85839844e-02, -2.67578125e-01,
-1.67968750e-01,  3.95507812e-02, -1.41601562e-01, -1.14746094e-01,
-1.56250000e-01, -7.32421875e-02,  2.61718750e-01,  9.32617188e-02,
-8.05664062e-02,  1.68609619e-03,  2.14843750e-01,  2.22656250e-01,
-3.08593750e-01,  1.17675781e-01, -8.98437500e-02,  5.81054688e-02,
 1.77734375e-01,  2.22656250e-01,  5.00488281e-02,  2.77343750e-01,
 6.34765625e-02, -1.22680664e-02, -1.15722656e-01, -1.48437500e-01,
-1.50390625e-01, -9.22851562e-02, -5.49316406e-02, -1.26953125e-01,
-6.34765625e-02, -2.53906250e-01, -1.73828125e-01, -1.04980469e-02,
-6.05468750e-02, -2.19726562e-01, -1.23046875e-01, -3.46679688e-02,
-2.50000000e-01, -1.29882812e-01,  2.25585938e-01,  5.22460938e-02,
 2.92968750e-01, -1.66015625e-01,  3.83300781e-02, -6.93359375e-02,
 4.58984375e-02, -1.65039062e-01, -2.79296875e-01,  1.44531250e-01,
 2.50000000e-01, -2.01171875e-01, -8.34960938e-02, -1.83593750e-01,
 1.25976562e-01, -7.71484375e-02,  9.17968750e-02,  1.56250000e-01,
-1.97753906e-02, -4.88281250e-02,  1.58691406e-02, -2.94921875e-01,
 1.56250000e-01, -2.22167969e-02, -1.86767578e-02,  4.18090820e-03,
-1.33789062e-01,  5.78613281e-02,  3.82995605e-03, -8.78906250e-02,
-1.50390625e-01, -1.50390625e-01,  2.19726562e-01,  1.53320312e-01,
-2.81250000e-01,  2.73437500e-01, -1.77734375e-01, -6.64062500e-02,
 1.16210938e-01, -4.61425781e-02,  1.01074219e-01,  8.69140625e-02,
-1.78710938e-01,  9.03320312e-02,  1.88476562e-01,  7.37304688e-02,
-2.67578125e-01, -9.61914062e-02, -1.04492188e-01,  4.32128906e-02,
 1.04003906e-01, -9.52148438e-02, -2.85156250e-01,  8.88671875e-02,
-1.43554688e-01,  9.91210938e-02, -3.20312500e-01, -2.39257812e-01,
-3.18527222e-04,  2.13867188e-01, -1.72851562e-01,  1.19628906e-0
```

```
1],
       dtype=float32),
 'conduct': array([-1.84570312e-01, -1.96533203e-02,  1.19628906e-01, -1.39
648438e-01,
        -1.53320312e-01, -1.38671875e-01, -1.80664062e-02, -1.50390625e-01,
         3.06640625e-01, -1.50390625e-01, -8.88671875e-02, -2.53906250e-02,
         4.32128906e-02,  2.18750000e-01, -7.95898438e-02,  4.68750000e-01,
        -1.17187500e-01,  7.86132812e-02, -1.61132812e-01, -1.67968750e-01,
         3.63769531e-02, -3.14453125e-01, -4.50134277e-04,  1.87500000e-01,
        -1.48315430e-02, -2.34375000e-01,  3.12500000e-02,  8.66699219e-03,
        -1.23046875e-01,  1.10839844e-01,  1.89208984e-02, -1.23535156e-01,
        -1.14746094e-01, -1.25000000e-01,  9.52148438e-03,  1.22558594e-01,
        -2.51464844e-02,  2.73437500e-02,  2.05078125e-01, -2.51953125e-01,
        -1.15722656e-01,  1.46484375e-01, -2.40234375e-01,  6.25000000e-02,
        -2.63671875e-01, -3.46679688e-02, -1.64062500e-01, -1.42578125e-01,
        -3.37890625e-01,  9.08203125e-02, -1.64794922e-02,  1.70898438e-01,
         3.26171875e-01, -3.51562500e-02, -5.12695312e-02,  7.12890625e-02,
        -1.29882812e-01, -2.98828125e-01, -9.66796875e-02, -1.01074219e-01,
         4.80957031e-02, -6.49414062e-02,  6.46972656e-03,  2.97851562e-02,
        -1.58203125e-01, -4.32128906e-02, -8.10546875e-02,  2.02148438e-01,
         3.17382812e-02,  4.76074219e-03,  1.67236328e-02, -5.83496094e-02,
         3.14453125e-01,  2.23632812e-01,  1.91406250e-01, -2.55859375e-01,
        -1.20849609e-02, -2.94921875e-01,  3.78417969e-02,  1.89453125e-01,
         1.77001953e-02,  1.43554688e-01, -1.14746094e-01, -1.63574219e-02,
        -9.81445312e-02,  5.27343750e-02,  3.07617188e-02,  1.13281250e-01,
         2.83203125e-02,  2.38281250e-01,  1.69677734e-02, -2.29492188e-01,
         1.27929688e-01, -1.13769531e-01,  2.92968750e-01, -1.74804688e-01,
         2.12402344e-02,  1.13769531e-01,  1.35742188e-01, -1.95312500e-01,
         5.73730469e-02, -2.50000000e-01,  1.94335938e-01,  1.92382812e-01,
         4.46777344e-02, -1.25000000e-01,  1.26953125e-01,  5.81054688e-02,
        -1.70898438e-01, -3.29589844e-02, -1.58203125e-01, -2.36511230e-03,
        -9.57031250e-02, -2.61718750e-01, -1.08032227e-02, -2.17285156e-02,
         1.46484375e-01,  1.70898438e-01,  2.43164062e-01,  1.32812500e-01,
         4.73632812e-02, -6.68945312e-02, -6.73828125e-02,  1.36718750e-01,
        -5.93261719e-02,  1.25976562e-01, -1.41601562e-01, -2.45117188e-01,
         1.29882812e-01, -1.78222656e-02, -2.73437500e-01, -2.09960938e-01,
        -4.10156250e-02,  9.27734375e-02, -1.61132812e-02, -1.01562500e-01,
         2.06054688e-01,  1.10839844e-01, -6.59179688e-02, -2.33398438e-01,
        -9.91210938e-02,  1.53320312e-01, -2.53906250e-01,  2.07031250e-01,
        -1.67968750e-01, -9.37500000e-02, -1.79687500e-01,  3.27148438e-02,
        -8.69140625e-02,  1.42578125e-01, -3.68652344e-02,  9.91210938e-02,
        -2.63671875e-01, -1.23901367e-02, -3.68652344e-02, -2.81250000e-01,
         7.61718750e-02, -1.22558594e-01,  1.34765625e-01,  1.54296875e-01,
         1.47460938e-01,  1.40625000e-01,  8.30078125e-02, -1.62109375e-01,
        -1.16699219e-01,  6.46972656e-03,  4.37500000e-01, -9.27734375e-02,
         1.34765625e-01, -6.59179688e-02,  1.67968750e-01, -2.24609375e-01,
         1.09375000e-01, -8.93554688e-02,  2.89062500e-01, -2.94921875e-01,
         2.57812500e-01, -4.39453125e-02, -2.09960938e-01,  2.95410156e-02,
        -9.61914062e-02,  5.46875000e-02,  1.08886719e-01,  1.20605469e-01,
         1.28906250e-01,  1.25976562e-01,  2.47070312e-01, -1.16210938e-01,
         6.49414062e-02,  1.34765625e-01,  8.97216797e-03, -2.11181641e-02,
         1.72851562e-01, -9.91210938e-02, -1.47460938e-01, -1.91406250e-01,
         2.44140625e-01,  1.17797852e-02, -2.06298828e-02, -2.79541016e-02,
         1.58203125e-01,  1.82617188e-01, -6.03027344e-02, -2.23388672e-02,
        -6.39648438e-02, -7.14111328e-03,  7.37304688e-02, -3.32031250e-02,
        -2.59399414e-03, -1.84326172e-02, -1.03515625e-01,  1.90429688e-01,
         1.03027344e-01, -2.60009766e-02, -6.29882812e-02,  9.91210938e-02,
         9.17968750e-02,  1.90429688e-01, -2.06054688e-01, -1.76757812e-01,
         2.13867188e-01, -1.95312500e-01, -4.02832031e-02, -1.77001953e-02,
         1.67968750e-01,  5.78613281e-02,  2.34375000e-01, -2.16064453e-02,
         3.76953125e-01, -1.48437500e-01,  8.05664062e-03, -6.59179688e-02,
        -1.76757812e-01, -2.17285156e-02,  3.78417969e-02, -1.05468750e-01,
         2.81982422e-02, -1.27929688e-01,  1.25000000e-01, -4.37011719e-02,
        -2.64892578e-02,  6.17675781e-02, -1.30859375e-01, -1.15966797e-02,
```

```
        -8.98437500e-02, -7.32421875e-02, -1.95312500e-01, -2.53906250e-02,
         2.86865234e-02, -2.61718750e-01, -1.10473633e-02,  3.10058594e-02,
         9.81445312e-02, -1.43554688e-01, -6.64062500e-02,  1.05957031e-01,
         2.27539062e-01,  7.95898438e-02,  9.47265625e-02, -7.91015625e-02,
         2.44140625e-01, -1.12304688e-01,  2.12890625e-01,  6.73828125e-02,
         4.83398438e-02,  5.29785156e-02,  6.00585938e-02,  2.03125000e-01,
        -7.27539062e-02,  1.36718750e-02,  1.38671875e-01,  1.41601562e-01,
        -1.71875000e-01,  2.73437500e-01, -9.70458984e-03, -1.95312500e-01,
        -1.40625000e-01,  1.38671875e-01, -4.68750000e-02,  9.76562500e-02,
         2.79296875e-01,  3.95507812e-02,  3.75000000e-01,  1.80664062e-01,
         9.71679688e-02,  2.03857422e-02, -1.97753906e-02, -1.38671875e-01,
         1.36718750e-01,  6.78710938e-02, -8.44726562e-02,  2.30468750e-01,
        -1.27929688e-01,  2.03125000e-01, -8.59375000e-02, -1.34765625e-01,
         2.02148438e-01, -4.07714844e-02,  8.54492188e-03, -9.91210938e-0
2],
       dtype=float32),
 'develop': array([-3.67187500e-01,  4.39453125e-02, -8.98437500e-02,  7.47
070312e-02,
        -1.89453125e-01,  3.56445312e-02, -8.35418701e-04, -1.41601562e-01,
        -1.41601562e-01, -9.66796875e-02, -1.51367188e-01,  5.81054688e-02,
        -5.32226562e-02,  1.16699219e-01, -2.01171875e-01, -5.66406250e-02,
        -3.06640625e-01,  2.79296875e-01,  7.03125000e-02,  1.00585938e-01,
        -1.81640625e-01,  4.83398438e-02,  3.44238281e-02,  6.78710938e-02,
        -1.71661377e-04, -4.97436523e-03,  1.16210938e-01, -1.19628906e-02,
        -8.78906250e-02, -1.98974609e-02, -1.14257812e-01,  8.15429688e-02,
        -1.93359375e-01, -1.65039062e-01, -1.36718750e-01,  2.78320312e-02,
        -4.17480469e-02, -6.07910156e-02,  1.04003906e-01,  5.83496094e-02,
         1.15234375e-01,  6.10351562e-02, -9.17968750e-02,  1.52587891e-02,
        -1.09863281e-01, -2.11914062e-01, -2.08007812e-01, -9.32617188e-02,
        -3.83300781e-02,  1.36718750e-01,  4.61425781e-02,  1.69677734e-02,
         5.58471680e-03, -1.97265625e-01,  4.17480469e-02,  3.24707031e-02,
        -1.19628906e-01, -4.47265625e-01,  1.51977539e-02, -7.81250000e-02,
         1.19140625e-01, -6.05468750e-02, -3.34167480e-03,  9.91210938e-02,
        -2.08007812e-01,  2.48046875e-01, -3.68652344e-02,  9.76562500e-02,
         1.24023438e-01,  8.34960938e-02, -3.51562500e-02,  7.12890625e-02,
         1.93359375e-01, -4.07714844e-02,  1.89971924e-03, -1.60156250e-01,
         1.97753906e-02,  6.98242188e-02, -1.09863281e-01,  4.17968750e-01,
         2.14843750e-01, -2.16796875e-01, -1.20117188e-01,  2.34375000e-01,
         6.83593750e-02,  8.93554688e-02, -2.10937500e-01,  1.00097656e-01,
        -1.83593750e-01,  1.44531250e-01,  9.08203125e-02, -1.71875000e-01,
        -8.78906250e-02, -2.49023438e-02,  1.60156250e-01, -1.64062500e-01,
         5.15136719e-02, -6.04248047e-03,  8.25195312e-02,  6.80541992e-03,
        -5.82885742e-03, -1.36718750e-01,  5.71289062e-02,  1.97265625e-01,
         1.08886719e-01, -1.27929688e-01, -8.10546875e-02, -1.18652344e-01,
         7.91015625e-02,  1.30859375e-01, -3.12500000e-01,  1.34765625e-01,
        -1.25976562e-01, -1.04492188e-01,  1.73828125e-01,  5.51757812e-02,
        -6.44531250e-02, -4.10156250e-02,  2.09960938e-01, -2.04101562e-01,
         1.39160156e-02, -2.63671875e-01, -2.28271484e-02,  8.88671875e-02,
        -1.59179688e-01, -1.27929688e-01, -3.85742188e-02, -1.58203125e-01,
        -3.12500000e-02,  1.42578125e-01,  1.24023438e-01,  7.27539062e-02,
         4.61425781e-02,  1.35742188e-01,  1.01318359e-02,  1.72851562e-01,
         1.79687500e-01, -2.65502930e-03,  1.36108398e-02, -5.76171875e-02,
        -3.61633301e-03,  6.15234375e-02, -3.04687500e-01,  1.44531250e-01,
         1.31835938e-01, -1.43554688e-01, -1.62109375e-01, -3.86718750e-01,
        -6.59179688e-02, -1.12792969e-01,  8.69140625e-02, -1.49414062e-01,
         6.29882812e-02,  1.13281250e-01, -2.31933594e-02,  1.29882812e-01,
         1.35742188e-01, -7.08007812e-02, -8.34960938e-02, -6.29882812e-02,
         3.51562500e-01,  2.50244141e-02, -2.00195312e-01, -2.44140625e-02,
         4.49218750e-02,  8.20312500e-02,  1.93359375e-01, -1.98242188e-01,
         1.66015625e-02, -1.39648438e-01, -5.44433594e-02,  1.92871094e-02,
        -1.75781250e-01,  2.08740234e-02,  3.45703125e-01, -5.06591797e-03,
         2.26562500e-01, -2.09960938e-01, -2.18750000e-01,  2.08984375e-01,
         3.56445312e-02, -1.94335938e-01,  2.68554688e-02, -6.44531250e-02,
        -1.99218750e-01, -6.17675781e-02, -2.71606445e-03, -2.02148438e-01,
```

```
        -3.63769531e-02, -9.03320312e-02, -2.10937500e-01,  3.75976562e-02,
         2.57568359e-02, -2.03125000e-01, -1.10839844e-01, -1.88476562e-01,
         1.64062500e-01, -1.05957031e-01, -4.68750000e-02, -2.01171875e-01,
         2.70996094e-02, -1.46484375e-03,  1.00585938e-01,  6.68945312e-02,
        -2.37304688e-01, -2.04101562e-01, -2.31933594e-02, -2.23632812e-01,
         1.79687500e-01, -1.42578125e-01,  1.12304688e-01, -7.12890625e-02,
        -2.99072266e-02,  1.83593750e-01, -1.09863281e-01, -3.11279297e-02,
         3.06640625e-01, -8.49609375e-02,  1.17675781e-01,  2.29492188e-02,
        -5.51757812e-02, -9.08203125e-02,  3.39355469e-02,  2.38281250e-01,
         1.75781250e-01, -9.08203125e-02,  8.05664062e-02, -6.17675781e-02,
        -1.18164062e-01, -3.10058594e-02,  8.44726562e-02, -9.21630859e-03,
         1.53320312e-01, -3.66210938e-02,  1.90429688e-01, -4.29687500e-02,
        -1.19140625e-01, -7.08007812e-02,  1.47460938e-01, -1.28173828e-02,
        -3.08593750e-01,  4.30297852e-03,  1.68457031e-02, -5.46875000e-02,
         5.41992188e-02,  8.20312500e-02,  1.81884766e-02,  8.64257812e-02,
        -7.37304688e-02, -7.32421875e-02,  4.98046875e-02,  7.56835938e-02,
        -2.12402344e-02,  3.56445312e-02, -4.05273438e-02,  1.66015625e-01,
        -7.37304688e-02, -2.05078125e-02, -3.78906250e-01, -8.49609375e-02,
        -4.32128906e-02, -4.78515625e-02,  8.66699219e-03,  6.98242188e-02,
         1.84570312e-01, -2.68554688e-02, -4.78515625e-02, -2.19726562e-01,
        -2.57812500e-01,  9.58251953e-03, -1.16210938e-01,  6.12792969e-02,
        -3.68652344e-02, -5.41992188e-02,  6.49414062e-02,  8.15429688e-02,
        -2.77343750e-01, -1.23046875e-01, -2.26562500e-01, -1.40625000e-01,
         2.61230469e-02,  8.69140625e-02,  1.75781250e-01,  9.03320312e-02,
        -4.94384766e-03,  1.04003906e-01, -8.20312500e-02,  8.74023438e-02,
         1.26953125e-01,  2.47802734e-02, -5.20019531e-02,  3.20312500e-01,
        -2.11914062e-01, -1.23535156e-01, -1.59179688e-01, -2.61230469e-02,
        -1.75781250e-02,  4.90722656e-02,  1.48925781e-02,  5.59082031e-0
2],
       dtype=float32),
 'teach': array([ 0.11865234, -0.03833008,  0.21777344,  0.07910156,  0.117
67578,
         0.125     ,  0.24511719, -0.13378906, -0.17285156, -0.19238281,
         0.16699219,  0.13671875, -0.06005859,  0.20410156, -0.12402344,
         0.22070312, -0.171875  ,  0.26171875, -0.04638672, -0.18945312,
         0.3515625 ,  0.19042969,  0.29101562,  0.20605469, -0.15136719,
        -0.22753906, -0.00436401, -0.0859375 , -0.09619141, -0.09179688,
         0.11083984,  0.04052734, -0.15820312,  0.05175781, -0.04125977,
        -0.05810547,  0.00817871,  0.01647949,  0.17773438, -0.10253906,
         0.05859375,  0.06542969,  0.13769531, -0.08886719, -0.21582031,
         0.09179688, -0.11328125,  0.01940918, -0.0133667 ,  0.12109375,
        -0.33789062,  0.09521484,  0.06494141, -0.16015625, -0.00151062,
        -0.01501465, -0.0300293 , -0.24121094, -0.09179688, -0.24804688,
         0.34765625, -0.10839844,  0.07958984, -0.19726562,  0.17871094,
        -0.19140625, -0.16601562,  0.15234375,  0.03295898, -0.02246094,
         0.0279541 ,  0.10986328,  0.12451172,  0.1484375 ,  0.02392578,
        -0.17675781,  0.07080078,  0.00466919,  0.15527344,  0.11669922,
        -0.0032959 ,  0.04272461, -0.08203125,  0.14941406, -0.17675781,
         0.12353516, -0.14453125,  0.08984375,  0.03149414,  0.04321289,
        -0.06445312, -0.01342773, -0.21484375, -0.22460938,  0.13574219,
        -0.08154297,  0.25585938, -0.04248047,  0.05444336, -0.16210938,
        -0.07275391, -0.12597656, -0.12597656,  0.13964844,  0.02001953,
        -0.12060547, -0.18359375, -0.10644531,  0.09472656, -0.203125  ,
        -0.32617188,  0.19042969, -0.13378906, -0.00439453,  0.04077148,
         0.02856445,  0.21972656, -0.03588867, -0.09033203, -0.01855469,
        -0.04589844,  0.12207031,  0.0612793 ,  0.16796875, -0.11523438,
        -0.06542969, -0.22460938, -0.14160156,  0.09912109,  0.24316406,
         0.10107422, -0.41210938, -0.12792969, -0.06591797,  0.31835938,
         0.11181641,  0.29492188,  0.07958984,  0.01501465,  0.01745605,
        -0.14941406, -0.09619141, -0.17773438, -0.26171875, -0.14550781,
         0.15917969,  0.11962891, -0.05371094,  0.11474609, -0.13769531,
         0.20117188, -0.01757812, -0.21484375,  0.140625  , -0.17675781,
         0.06933594, -0.20410156, -0.21582031, -0.09814453, -0.08837891,
         0.1953125 ,  0.33007812, -0.16601562, -0.20019531,  0.06054688,
```

```
         0.08789062,  0.30664062, -0.28710938,  0.17578125, -0.10107422,
        -0.26953125,  0.06787109,  0.05688477,  0.11962891,  0.44140625,
         0.16699219,  0.18457031,  0.10595703, -0.15429688,  0.08642578,
        -0.11865234, -0.10888672,  0.17382812,  0.03295898, -0.07958984,
         0.07373047, -0.10498047, -0.21386719,  0.16992188,  0.00479126,
        -0.03393555, -0.03088379,  0.02380371,  0.15332031, -0.10839844,
        -0.23046875,  0.31054688, -0.27929688, -0.24609375, -0.16015625,
        -0.12597656, -0.17773438, -0.02722168, -0.02832031, -0.56640625,
        -0.20703125, -0.15625   , -0.07763672, -0.29492188, -0.13671875,
        -0.20214844,  0.25585938,  0.07421875, -0.11279297,  0.12792969,
         0.15136719,  0.21875   , -0.12011719, -0.13964844, -0.30078125,
         0.11328125,  0.02185059,  0.19238281,  0.01806641,  0.234375  ,
        -0.18457031,  0.09326172,  0.00326538, -0.02905273, -0.25585938,
         0.125     , -0.0222168 ,  0.02233887,  0.00976562,  0.546875  ,
        -0.02148438,  0.1484375 , -0.11230469, -0.10888672, -0.03857422,
        -0.1875    ,  0.07666016,  0.03979492, -0.00750732, -0.30078125,
        -0.16503906, -0.27539062, -0.03515625, -0.02819824, -0.3125    ,
         0.02770996,  0.1328125 , -0.09814453,  0.18359375,  0.12597656,
        -0.140625  , -0.21386719,  0.07324219, -0.21972656, -0.01556396,
        -0.0703125 ,  0.05126953, -0.08056641, -0.1328125 ,  0.01367188,
        -0.06884766,  0.21386719, -0.10595703, -0.0703125 ,  0.10009766,
         0.07714844,  0.10644531, -0.09472656,  0.09960938,  0.08789062,
        -0.05932617, -0.15917969, -0.13671875, -0.41015625, -0.25585938,
         0.12304688, -0.09716797,  0.20800781,  0.13183594,  0.0625    ,
        -0.10400391, -0.11865234,  0.07421875,  0.00927734,  0.3125    ,
        -0.11669922,  0.13671875, -0.16894531, -0.13964844, -0.22460938,
        -0.08203125, -0.05004883, -0.1640625 ,  0.18164062,  0.10058594],
       dtype=float32),
 'reduce': array([-0.30859375,  0.05615234, -0.05444336, -0.02954102, -0.06
933594,
         0.04467773,  0.06298828,  0.15234375,  0.1953125 ,  0.02197266,
        -0.08154297, -0.11914062,  0.09619141,  0.26367188,  0.00582886,
        -0.20605469, -0.22851562,  0.07324219, -0.08837891,  0.23828125,
         0.10205078,  0.03564453,  0.12207031, -0.11181641, -0.15429688,
         0.06298828, -0.07080078,  0.05151367, -0.05932617, -0.05078125,
         0.08154297, -0.24414062, -0.1484375 , -0.10498047, -0.07763672,
        -0.20214844,  0.04345703, -0.07470703,  0.25976562,  0.55859375,
         0.109375  ,  0.03613281, -0.10888672, -0.06298828, -0.36328125,
        -0.1796875 , -0.05297852, -0.04980469,  0.12988281, -0.13769531,
        -0.01324463,  0.04614258,  0.03112793, -0.34960938, -0.1015625 ,
        -0.24316406, -0.453125  , -0.08691406,  0.01141357, -0.05053711,
         0.09863281,  0.05712891, -0.26367188,  0.05688477,  0.16992188,
         0.34570312,  0.03637695,  0.48046875, -0.20410156,  0.07373047,
         0.19824219,  0.14160156,  0.03076172,  0.359375  , -0.33007812,
        -0.390625  ,  0.11035156,  0.25976562, -0.28710938, -0.00622559,
         0.15625   , -0.296875  , -0.09082031, -0.0546875 ,  0.26171875,
         0.11572266, -0.08691406,  0.37695312,  0.0300293 ,  0.15234375,
         0.22949219, -0.05615234,  0.01696777, -0.05444336, -0.04760742,
        -0.26171875, -0.125     ,  0.12988281,  0.07128906,  0.10839844,
        -0.11572266, -0.12451172, -0.03271484, -0.09326172, -0.01324463,
        -0.06347656, -0.00958252, -0.28320312,  0.21386719, -0.32421875,
         0.13085938, -0.09619141,  0.0255127 ,  0.03710938,  0.21582031,
        -0.00527954,  0.07421875, -0.0559082 ,  0.125     ,  0.12158203,
         0.16015625,  0.19335938, -0.02514648, -0.05029297,  0.05444336,
         0.07666016, -0.25195312, -0.10449219,  0.203125  ,  0.21289062,
         0.24511719,  0.171875  ,  0.03686523, -0.09130859,  0.17382812,
        -0.12109375, -0.02648926, -0.01184082,  0.21777344,  0.13085938,
        -0.01977539, -0.23339844, -0.11816406,  0.36132812,  0.03295898,
        -0.06884766, -0.11865234, -0.15429688, -0.04443359,  0.01306152,
         0.18066406, -0.08837891,  0.12353516,  0.0612793 ,  0.2890625 ,
        -0.05908203,  0.14355469, -0.0625    , -0.47265625, -0.02587891,
         0.22265625,  0.02416992, -0.09863281, -0.20214844,  0.05737305,
         0.20605469, -0.01757812, -0.08544922,  0.24121094, -0.3125    ,
        -0.03515625, -0.17773438, -0.20703125,  0.10742188,  0.10253906,
```

```
        -0.00909424,  0.35351562,  0.20214844, -0.22265625, -0.05981445,
        -0.23242188, -0.0390625 ,  0.2421875 ,  0.10644531,  0.05102539,
         0.04418945, -0.11181641, -0.05078125,  0.02600098, -0.05493164,
        -0.265625  , -0.07861328, -0.10351562, -0.12695312, -0.15136719,
        -0.109375  ,  0.13964844, -0.08544922, -0.0123291 , -0.11230469,
         0.12792969, -0.06689453,  0.04492188, -0.10693359,  0.00976562,
         0.04345703, -0.01843262, -0.03442383, -0.13476562, -0.19824219,
         0.109375  , -0.23242188,  0.07714844,  0.30078125, -0.03466797,
         0.00546265,  0.00491333, -0.14257812, -0.0703125 ,  0.11035156,
        -0.08740234, -0.04101562,  0.21386719, -0.18457031, -0.03125   ,
         0.10595703, -0.07128906, -0.07373047,  0.11230469,  0.23242188,
        -0.01306152,  0.14257812,  0.22460938, -0.12011719, -0.06225586,
        -0.19140625, -0.14550781,  0.11767578,  0.05371094, -0.09472656,
        -0.31835938,  0.02209473,  0.07324219, -0.08154297, -0.05786133,
        -0.1171875 , -0.17773438, -0.01269531, -0.14746094, -0.19335938,
        -0.125     , -0.06591797, -0.15429688, -0.16210938, -0.17773438,
        -0.04711914, -0.03222656,  0.07226562, -0.05419922, -0.01342773,
         0.19628906, -0.11572266, -0.09375   , -0.18945312,  0.10205078,
        -0.171875  , -0.13574219, -0.04272461, -0.10302734, -0.18945312,
         0.01513672,  0.3828125 ,  0.06396484, -0.21484375, -0.12890625,
        -0.265625  , -0.32617188, -0.10595703, -0.00128174, -0.06201172,
        -0.00531006,  0.14550781,  0.14257812, -0.28515625, -0.00564575,
        -0.05908203, -0.17480469,  0.17578125, -0.00836182, -0.22753906,
        -0.07763672,  0.24316406, -0.07226562,  0.06054688, -0.38867188,
         0.08251953, -0.13183594,  0.00160217, -0.12011719,  0.02941895],
       dtype=float32),
 'maladaptive': array([ 0.13574219,  0.18457031, -0.07568359,  0.23242188,
-0.20214844,
         0.20898438,  0.08935547,  0.09765625, -0.02514648, -0.05517578,
        -0.18261719, -0.19433594,  0.09423828,  0.17871094,  0.12353516,
         0.265625  ,  0.06787109,  0.30078125,  0.18164062, -0.20019531,
         0.30078125, -0.36132812,  0.02355957, -0.18457031, -0.16308594,
        -0.13476562, -0.13085938,  0.16796875,  0.11865234, -0.23632812,
         0.10253906, -0.09228516,  0.08984375,  0.24804688, -0.265625  ,
        -0.33203125,  0.08740234, -0.07470703,  0.10107422, -0.15722656,
         0.33984375,  0.18554688,  0.19140625,  0.10253906,  0.12988281,
        -0.18652344,  0.10546875,  0.12207031, -0.31445312, -0.03662109,
        -0.31054688, -0.08496094, -0.54296875, -0.16308594,  0.28125   ,
        -0.07324219, -0.23925781, -0.4296875 ,  0.19140625,  0.14355469,
         0.06982422,  0.23144531, -0.05078125,  0.21191406, -0.04541016,
        -0.09765625,  0.1484375 ,  0.04956055, -0.35351562, -0.20410156,
         0.01507568, -0.21484375, -0.10205078,  0.03112793, -0.02844238,
        -0.46679688, -0.14257812,  0.08105469,  0.08398438,  0.19042969,
        -0.01409912, -0.06494141,  0.09423828,  0.12695312,  0.03063965,
         0.1328125 ,  0.02648926,  0.44726562, -0.07519531,  0.03833008,
         0.02819824, -0.19335938, -0.375     ,  0.03088379,  0.24511719,
         0.03564453,  0.38085938, -0.37109375, -0.13964844, -0.02709961,
         0.29101562, -0.12109375, -0.03857422,  0.11767578,  0.17871094,
        -0.08886719, -0.1328125 , -0.03808594,  0.31445312,  0.08984375,
        -0.39453125, -0.41015625, -0.09082031, -0.30078125,  0.51953125,
        -0.23046875, -0.13574219, -0.32617188,  0.08300781, -0.02941895,
         0.09716797, -0.0625    ,  0.00239563, -0.18261719, -0.34375   ,
        -0.41601562, -0.07568359,  0.32226562, -0.17382812,  0.34375   ,
         0.25      , -0.375     , -0.07421875, -0.15820312, -0.19238281,
        -0.06933594,  0.11474609,  0.24902344, -0.00680542,  0.18652344,
         0.07666016,  0.11083984, -0.11914062,  0.18847656, -0.22949219,
        -0.03564453, -0.43554688,  0.48828125, -0.16796875, -0.08691406,
         0.09277344, -0.18457031,  0.05688477,  0.14746094, -0.18652344,
        -0.30078125, -0.06787109, -0.12695312,  0.17089844, -0.12792969,
        -0.02197266,  0.08398438,  0.00759888,  0.04541016, -0.04174805,
        -0.1953125 ,  0.13476562,  0.265625  ,  0.2109375 ,  0.25      ,
        -0.01574707, -0.2421875 , -0.40625   ,  0.16796875, -0.00564575,
         0.22363281,  0.12988281,  0.12988281,  0.11035156,  0.09960938,
         0.05908203,  0.03857422,  0.0201416 ,  0.1328125 , -0.30078125,
```

```
         0.10986328, -0.171875  ,  0.10839844,  0.08935547, -0.00793457,
        -0.11621094, -0.359375  , -0.24414062, -0.19335938, -0.06738281,
        -0.25390625, -0.11425781,  0.05737305, -0.02148438, -0.0625    ,
         0.125     ,  0.07324219, -0.10644531, -0.10107422,  0.09277344,
        -0.12109375,  0.28515625,  0.17675781, -0.04589844, -0.06933594,
        -0.5234375 , -0.27734375, -0.24121094,  0.36132812,  0.14355469,
        -0.17382812,  0.09423828, -0.04199219, -0.02294922, -0.07226562,
        -0.1171875 , -0.0625    , -0.03735352,  0.05712891, -0.12890625,
        -0.31054688,  0.03710938, -0.02087402, -0.3046875 ,  0.49023438,
        -0.16210938,  0.18359375,  0.24511719, -0.0546875 ,  0.10693359,
        -0.09375   ,  0.06225586, -0.02978516, -0.14648438,  0.06396484,
         0.20703125, -0.44335938,  0.01385498, -0.38476562, -0.05810547,
         0.14550781, -0.09033203,  0.48828125, -0.17578125, -0.34765625,
         0.22851562, -0.14160156, -0.10693359, -0.0267334 , -0.33984375,
        -0.58203125,  0.27148438, -0.06396484, -0.16210938, -0.24121094,
        -0.05810547, -0.05102539, -0.00714111, -0.06030273,  0.17871094,
         0.125     , -0.01531982,  0.0213623 , -0.24316406,  0.03613281,
        -0.37695312,  0.4140625 , -0.04174805,  0.00772095,  0.35351562,
        -0.16210938,  0.00491333,  0.48242188,  0.06933594,  0.24511719,
         0.23730469,  0.13574219,  0.02319336, -0.56640625,  0.06591797,
        -0.17773438,  0.28515625, -0.13378906,  0.328125  ,  0.22753906,
        -0.21484375,  0.22949219,  0.19042969,  0.0859375 , -0.20019531,
        -0.01928711,  0.02905273, -0.04101562,  0.10498047,  0.33398438],
       dtype=float32),
 'aba': array([ 9.91210938e-02,  1.13281250e-01,  5.46875000e-02,  1.308593
75e-01,
         1.08886719e-01,  3.63769531e-02,  9.86328125e-02, -1.32812500e-01,
         1.36108398e-02, -6.00585938e-02, -7.32421875e-03, -4.00390625e-01,
        -6.40625000e-01,  1.41601562e-01, -2.14843750e-01,  2.42187500e-01,
         1.29882812e-01,  1.06445312e-01, -1.09375000e-01,  6.03027344e-02,
        -3.85742188e-02, -1.05468750e-01,  5.68847656e-02,  1.25976562e-01,
        -2.59765625e-01,  4.63867188e-03,  5.59082031e-02, -2.36328125e-01,
        -3.61328125e-02, -4.15039062e-02, -2.53906250e-02, -4.83398438e-02,
         6.05468750e-02, -4.24804688e-02, -1.06933594e-01,  8.91113281e-03,
         1.21093750e-01,  1.39648438e-01,  2.23632812e-01, -4.23828125e-01,
         2.05078125e-02,  7.23266602e-03,  9.57031250e-02,  1.23535156e-01,
         1.38671875e-01, -4.57031250e-01, -1.58203125e-01, -1.39648438e-01,
        -1.94335938e-01,  3.10058594e-02, -2.64892578e-02,  1.15966797e-02,
         1.79687500e-01,  1.21582031e-01,  1.61132812e-01, -4.19616699e-04,
        -2.61718750e-01, -1.61132812e-01, -6.34765625e-02, -1.75781250e-01,
        -2.38281250e-01,  2.66113281e-02,  1.59912109e-02, -1.03515625e-01,
         1.42578125e-01, -7.27539062e-02, -1.42578125e-01,  3.02734375e-02,
        -6.44531250e-02,  1.49414062e-01,  6.88476562e-02,  3.26171875e-01,
         2.15148926e-03,  1.05957031e-01, -2.67578125e-01,  2.48046875e-01,
        -2.03857422e-02,  8.49609375e-02, -1.50390625e-01, -5.61523438e-02,
         4.63867188e-02, -1.67968750e-01, -2.05078125e-01, -5.81054688e-02,
         1.01562500e-01,  5.32226562e-02,  7.71484375e-02,  1.17187500e-01,
        -2.37304688e-01, -1.42578125e-01,  1.20605469e-01, -6.49414062e-02,
        -1.43554688e-01, -2.51953125e-01, -1.41601562e-01,  2.98828125e-01,
         1.76757812e-01,  9.66796875e-02,  6.07910156e-02, -1.62353516e-02,
        -1.61132812e-01,  7.91015625e-02, -6.17675781e-02,  2.08984375e-01,
        -1.78710938e-01,  2.48046875e-01, -6.64062500e-02,  1.78710938e-01,
         1.54296875e-01,  6.50024414e-03, -3.45703125e-01, -2.34375000e-01,
        -2.01171875e-01, -1.53320312e-01,  1.08886719e-01,  1.97265625e-01,
        -5.88378906e-02, -2.85156250e-01, -1.41601562e-01,  5.22460938e-02,
         8.49609375e-02,  2.21679688e-01, -1.69921875e-01, -1.76757812e-01,
         1.84570312e-01,  1.10839844e-01, -2.57812500e-01, -5.73730469e-02,
         1.38671875e-01,  1.39648438e-01, -8.83789062e-02, -6.56127930e-03,
         8.93554688e-02, -6.68945312e-02, -2.14843750e-01,  8.93554688e-02,
        -1.27929688e-01,  8.10546875e-02, -3.93066406e-02,  5.66406250e-02,
         4.35546875e-01, -1.23046875e-01,  2.62451172e-02, -4.27246094e-02,
        -8.69140625e-02,  4.34570312e-02, -2.87109375e-01, -8.88671875e-02,
        -4.51660156e-02, -2.75878906e-02,  1.22070312e-01, -2.50000000e-01,
        -2.29492188e-01, -2.16796875e-01, -6.59179688e-02, -1.42578125e-01,
```

```
         1.73828125e-01,  5.50781250e-01,  1.65039062e-01, -1.75781250e-01,
        -5.46875000e-02, -9.27734375e-02, -2.01171875e-01, -2.13867188e-01,
        -2.59765625e-01, -1.43554688e-01, -1.08398438e-01,  5.61523438e-02,
        -1.83593750e-01,  1.21582031e-01, -4.80957031e-02, -5.41992188e-02,
         7.47070312e-02, -7.42187500e-02,  9.96093750e-02,  2.61718750e-01,
         1.32812500e-01, -1.00585938e-01,  3.82812500e-01, -2.51953125e-01,
        -7.81250000e-02, -1.58203125e-01, -2.80761719e-02,  6.88476562e-02,
        -2.16796875e-01,  1.21582031e-01,  8.20312500e-02, -6.39648438e-02,
        -2.22167969e-02,  1.95312500e-01,  2.08007812e-01, -2.53906250e-01,
        -8.34960938e-02, -5.34667969e-02,  1.30859375e-01, -3.41796875e-02,
         1.83105469e-02, -5.85937500e-03, -7.29370117e-03, -6.98242188e-02,
        -2.96875000e-01, -1.47460938e-01, -1.04980469e-01, -2.36328125e-01,
        -3.34472656e-02, -2.96875000e-01,  2.83203125e-01, -1.35742188e-01,
        -1.81640625e-01,  1.31835938e-01,  3.08593750e-01, -1.32446289e-02,
        -2.05078125e-01,  9.70458984e-03,  3.29971313e-04,  2.36328125e-01,
         1.44531250e-01, -2.00195312e-01, -1.09863281e-01, -1.12304688e-02,
         6.07910156e-02, -1.64794922e-02, -1.49414062e-01, -9.86328125e-02,
         2.47070312e-01,  9.13085938e-02,  6.03027344e-02,  2.89062500e-01,
        -1.72851562e-01, -1.60156250e-01,  2.61718750e-01,  5.51757812e-02,
        -7.22656250e-02,  5.98144531e-02, -9.61914062e-02,  8.88671875e-02,
         2.77343750e-01,  1.86523438e-01, -9.76562500e-02,  1.36718750e-01,
         6.64062500e-02,  1.24511719e-02,  2.04101562e-01,  4.51660156e-02,
        -5.31005859e-03,  6.29882812e-02, -2.61718750e-01,  1.55273438e-01,
        -2.50000000e-01, -5.20019531e-02,  5.81054688e-02,  2.51953125e-01,
         2.87109375e-01, -4.90722656e-02,  7.08007812e-02, -1.26953125e-01,
        -3.51562500e-01, -9.91210938e-02,  2.53906250e-01,  3.90625000e-02,
         2.25585938e-01,  9.52148438e-02,  3.12500000e-01, -2.00195312e-01,
        -5.71289062e-02,  1.01562500e-01, -8.69140625e-02,  1.22070312e-01,
         2.52685547e-02, -9.22851562e-02, -3.65234375e-01, -6.44531250e-02,
        -9.37500000e-02,  1.33789062e-01,  3.43750000e-01,  8.30078125e-02,
        -1.72119141e-02,  1.79687500e-01,  4.98046875e-02,  4.86328125e-01,
        -2.42187500e-01,  4.73632812e-02,  1.13281250e-01, -1.88476562e-01,
        -7.59887695e-03,  6.78710938e-02, -1.20117188e-01,  1.80664062e-01,
        -8.93554688e-02, -1.09863281e-01,  6.59179688e-02,  1.18164062e-01,
         8.49609375e-02, -9.22851562e-02, -2.45117188e-01, -1.26647949e-03,
        -2.44140625e-01, -2.65625000e-01, -9.03320312e-02,  2.21679688e-0
1],
       dtype=float32),
 'implementers': array([-8.88671875e-02, -1.49414062e-01,  8.25195312e-02,
4.19921875e-01,
        -1.20117188e-01, -7.95898438e-02,  2.36328125e-01,  1.41601562e-01,
        -2.57812500e-01,  1.21093750e-01,  1.17675781e-01,  4.08935547e-03,
        -4.39453125e-02,  7.86132812e-02, -2.16064453e-02,  3.80859375e-02,
         1.05957031e-01, -2.07031250e-01, -3.98437500e-01,  1.52343750e-01,
        -6.83593750e-02,  2.27539062e-01,  8.59375000e-02,  3.71093750e-01,
         6.67968750e-01, -1.46484375e-01,  1.77734375e-01, -1.36718750e-01,
        -1.92382812e-01, -4.88281250e-01,  2.29492188e-02, -3.86718750e-01,
        -8.93554688e-02, -4.66796875e-01,  1.25122070e-02,  1.00585938e-01,
         2.34375000e-01,  2.25830078e-02,  2.49023438e-01, -6.83593750e-02,
        -7.78198242e-03,  1.95312500e-01, -6.20117188e-02,  3.84765625e-01,
        -1.37695312e-01, -2.41210938e-01, -2.45117188e-01, -1.36718750e-01,
         2.86865234e-02,  3.14453125e-01, -6.29882812e-02, -1.32812500e-01,
        -4.35546875e-01, -3.44238281e-02, -2.89062500e-01,  2.47070312e-01,
         3.17382812e-02, -3.43750000e-01, -7.91015625e-02,  7.37304688e-02,
         1.16577148e-02, -1.64062500e-01,  3.22265625e-02,  2.18750000e-01,
         5.88378906e-02, -1.80664062e-01, -1.01562500e-01,  3.59375000e-01,
        -2.95410156e-02,  1.05957031e-01, -3.53515625e-01,  3.49609375e-01,
         1.15234375e-01, -1.55273438e-01,  2.12890625e-01, -2.57812500e-01,
         2.81250000e-01, -4.49218750e-02, -1.54296875e-01,  2.55859375e-01,
         1.66992188e-01,  1.18652344e-01, -2.48046875e-01, -2.75878906e-02,
        -1.10351562e-01, -6.39648438e-02,  2.30468750e-01, -4.47265625e-01,
         1.04003906e-01,  8.92639160e-04,  2.28271484e-02, -3.80859375e-01,
        -5.46875000e-02, -2.39257812e-01,  2.21679688e-01, -2.22656250e-01,
         9.94873047e-03,  5.64575195e-03, -5.49316406e-02, -8.20312500e-02,
```

```
         1.55273438e-01, -2.48046875e-01,  4.29687500e-02,  1.17187500e-01,
        -3.88671875e-01,  2.57812500e-01, -1.65039062e-01,  3.20312500e-01,
         2.73437500e-01, -1.26953125e-01, -9.37500000e-02, -1.33666992e-02,
        -3.06640625e-01,  2.63671875e-01,  2.27539062e-01,  1.34887695e-02,
         2.74658203e-02, -2.69531250e-01,  2.65625000e-01, -1.77734375e-01,
        -2.32421875e-01,  1.18652344e-01, -3.12500000e-01,  1.14746094e-01,
         3.46679688e-02, -9.32617188e-02, -6.56250000e-01, -1.56250000e-01,
        -3.29589844e-02,  9.21630859e-03, -5.73730469e-02,  5.76171875e-02,
        -4.95605469e-02, -1.20117188e-01, -1.89453125e-01, -2.22656250e-01,
        -2.18750000e-01,  1.07910156e-01,  1.39648438e-01, -6.93359375e-02,
        -8.85009766e-03, -1.52343750e-01, -2.07031250e-01, -4.66308594e-02,
         1.33789062e-01,  1.29394531e-02,  7.95898438e-02, -2.31445312e-01,
         4.44335938e-02, -2.71484375e-01,  1.26953125e-01, -6.44531250e-02,
        -4.25781250e-01,  1.76757812e-01,  1.96289062e-01, -1.56250000e-01,
        -1.85546875e-01,  4.98046875e-02, -4.68750000e-02, -3.26171875e-01,
         7.47070312e-02,  8.69140625e-02, -2.15820312e-01, -8.88671875e-02,
        -3.33984375e-01,  7.99560547e-03,  5.17578125e-02,  1.32812500e-01,
         2.45361328e-02,  3.27148438e-02, -4.41406250e-01,  2.59765625e-01,
        -2.85644531e-02, -3.08593750e-01,  3.41796875e-02,  2.61718750e-01,
         1.17187500e-01, -6.09375000e-01,  1.89453125e-01, -3.78417969e-02,
        -7.32421875e-02,  8.30078125e-02,  1.28906250e-01, -5.73730469e-02,
        -1.67968750e-01,  4.39453125e-01, -2.78320312e-02,  1.28173828e-02,
         1.56250000e-01,  1.84570312e-01, -2.06054688e-01, -3.88671875e-01,
         4.46777344e-02, -2.39257812e-01,  3.32031250e-01,  2.83203125e-01,
        -4.97436523e-03, -8.78906250e-02, -6.68945312e-02, -1.36718750e-01,
         9.82666016e-03,  9.42382812e-02, -4.71191406e-02, -1.59179688e-01,
        -1.81640625e-01, -1.17675781e-01, -3.06640625e-01, -3.04687500e-01,
         2.33398438e-01, -3.93066406e-02,  9.13085938e-02, -8.44726562e-02,
         9.91210938e-02,  7.51953125e-02, -3.67187500e-01, -1.61132812e-01,
        -9.66796875e-02,  1.04980469e-01, -2.92968750e-03,  4.35546875e-01,
        -1.87500000e-01, -1.70898438e-01,  3.06396484e-02,  1.07910156e-01,
        -1.05468750e-01,  3.97949219e-02,  6.78710938e-02,  3.71093750e-02,
         1.88476562e-01, -1.95312500e-01, -6.04248047e-03, -3.96728516e-03,
        -2.47070312e-01, -2.71484375e-01, -3.58886719e-02, -1.62109375e-01,
         2.25585938e-01,  3.35937500e-01,  1.33056641e-02,  1.43554688e-01,
        -2.55859375e-01, -1.23046875e-01,  9.27734375e-03,  4.95910645e-04,
        -6.88476562e-02, -1.61132812e-01, -1.81640625e-01,  3.85742188e-02,
         7.91015625e-02,  2.49023438e-01, -2.73437500e-01,  3.04687500e-01,
        -1.03027344e-01, -5.70678711e-03, -5.59082031e-02, -1.72851562e-01,
        -1.27929688e-01,  6.88476562e-02,  1.08642578e-02, -5.29785156e-02,
        -3.86718750e-01,  6.64062500e-02, -9.66796875e-02, -1.70898438e-02,
        -1.80664062e-01, -3.39355469e-02, -1.78710938e-01,  1.45507812e-01,
        -4.92187500e-01, -2.70996094e-02,  1.46865845e-04, -7.17773438e-02,
         2.34375000e-02,  2.63671875e-01, -1.86523438e-01,  1.66992188e-01,
        -2.47070312e-01,  6.00585938e-02,  8.15429688e-02,  1.15722656e-01,
        -6.22558594e-02, -2.51953125e-01,  2.87109375e-01, -1.43554688e-01,
        -3.32031250e-02, -4.66796875e-01,  5.22460938e-02, -2.07031250e-01,
         1.62109375e-01, -6.49414062e-02, -2.39257812e-01, -1.90429688e-01,
        -7.22656250e-02,  1.78710938e-01, -5.06591797e-03, -1.14746094e-01,
        -2.41210938e-01,  5.76171875e-02, -5.54199219e-02,  3.49609375e-0
1],
       dtype=float32),
 'role': array([ 0.16992188,  0.03369141, -0.06054688, -0.24902344, -0.1777
3438,
         0.20703125,  0.140625  , -0.13769531,  0.15039062,  0.15820312,
         0.10400391, -0.20800781,  0.16894531, -0.08056641, -0.20898438,
         0.15527344, -0.02612305,  0.02246094, -0.06445312, -0.11767578,
        -0.0859375 , -0.04931641, -0.00854492,  0.21777344,  0.06982422,
         0.21972656, -0.16894531, -0.12890625, -0.12988281,  0.42578125,
        -0.03662109, -0.16015625,  0.01855469,  0.10400391,  0.13769531,
         0.44140625,  0.15820312,  0.296875  ,  0.04541016, -0.02661133,
        -0.00866699,  0.00343323, -0.27539062, -0.20117188, -0.15332031,
        -0.36328125, -0.27539062,  0.16894531,  0.19824219,  0.05615234,
        -0.12890625, -0.06347656,  0.02258301, -0.03588867,  0.10888672,
```

```
        -0.19824219, -0.06176758, -0.00442505, -0.09423828, -0.06347656,
        -0.08203125,  0.39257812, -0.1796875 ,  0.375     , -0.13183594,
         0.39453125, -0.06176758,  0.17382812, -0.0045166 ,  0.12109375,
         0.10351562, -0.01086426,  0.07617188, -0.05712891, -0.02355957,
        -0.109375  ,  0.4375    ,  0.25195312,  0.1328125 ,  0.14355469,
        -0.00805664,  0.26953125,  0.34375   , -0.29296875, -0.05859375,
         0.00558472,  0.00643921, -0.09570312,  0.1328125 , -0.03149414,
         0.33398438, -0.11132812, -0.08349609, -0.18554688,  0.16503906,
        -0.2578125 , -0.13964844, -0.16503906, -0.08251953, -0.20410156,
        -0.11376953,  0.23242188,  0.01953125,  0.14550781,  0.04125977,
        -0.30273438, -0.33007812, -0.00592041,  0.04589844,  0.19921875,
        -0.01269531, -0.00982666, -0.02026367,  0.10498047,  0.13183594,
        -0.06689453,  0.01037598,  0.25195312,  0.31640625, -0.1171875 ,
         0.03588867, -0.25      , -0.07128906,  0.49609375,  0.00860596,
         0.03515625,  0.05810547,  0.30859375, -0.05151367,  0.0559082 ,
         0.15429688, -0.17089844, -0.32226562,  0.15722656, -0.04223633,
         0.06396484, -0.03564453, -0.00170135,  0.078125  ,  0.078125  ,
         0.11474609,  0.08740234,  0.29101562, -0.30664062,  0.00521851,
        -0.00463867,  0.12988281,  0.23828125,  0.10546875,  0.12695312,
         0.07324219, -0.03759766, -0.16992188,  0.11230469, -0.00147247,
        -0.0168457 ,  0.03417969, -0.31640625,  0.26757812, -0.12109375,
         0.39453125,  0.04492188,  0.2421875 ,  0.0177002 , -0.17089844,
         0.09179688, -0.02441406,  0.01855469, -0.03686523,  0.03271484,
        -0.13476562,  0.1484375 ,  0.11914062, -0.14746094,  0.18945312,
        -0.13476562,  0.03100586, -0.51171875, -0.06835938,  0.17675781,
        -0.34765625,  0.07226562, -0.06787109, -0.17089844, -0.0378418 ,
         0.02429199,  0.13867188,  0.01965332, -0.06591797,  0.07177734,
         0.19433594,  0.06738281,  0.21191406, -0.20800781, -0.0625    ,
        -0.109375  ,  0.13964844, -0.0246582 ,  0.26953125,  0.03393555,
        -0.09277344,  0.08154297, -0.15136719, -0.24121094,  0.19238281,
        -0.22460938,  0.15039062, -0.28125   , -0.19726562, -0.03173828,
         0.05541992,  0.04052734, -0.11865234, -0.10205078, -0.22949219,
        -0.14746094, -0.00430298, -0.22460938, -0.11181641, -0.28515625,
         0.15625   ,  0.11230469, -0.22363281,  0.05444336, -0.02111816,
        -0.01599121, -0.09521484, -0.18164062, -0.01287842, -0.01525879,
         0.04150391, -0.1328125 , -0.01989746, -0.19433594,  0.11181641,
        -0.24414062, -0.17382812, -0.08300781, -0.18554688, -0.01312256,
        -0.25390625,  0.0112915 ,  0.14257812,  0.0612793 ,  0.04614258,
        -0.21972656,  0.12158203,  0.05029297,  0.16308594, -0.25      ,
         0.15429688, -0.02001953, -0.02319336,  0.14648438, -0.09960938,
         0.12304688,  0.12890625,  0.13183594, -0.37890625, -0.07177734,
         0.0043335 ,  0.06396484, -0.00772095,  0.44726562,  0.22265625,
         0.18359375, -0.08496094,  0.13867188, -0.41601562, -0.07275391,
        -0.21386719, -0.34765625, -0.08154297,  0.13574219,  0.19140625,
        -0.00909424,  0.07666016,  0.0703125 , -0.08203125,  0.0050354 ,
         0.07714844, -0.13378906, -0.19140625,  0.05761719,  0.0177002 ,
        -0.01184082, -0.16015625, -0.34179688,  0.02478027, -0.08691406,
        -0.2890625 , -0.15527344,  0.0012207 , -0.26757812, -0.15722656,
         0.11621094,  0.03735352,  0.32421875,  0.04760742,  0.16992188],
       dtype=float32),
 'paraprofessional': array([ 0.06591797, -0.53125   , -0.20996094,  0.22558
594, -0.34179688,
         0.08935547,  0.46679688, -0.06835938, -0.25976562, -0.48046875,
         0.33203125,  0.19042969, -0.28320312, -0.22558594,  0.10302734,
         0.35546875,  0.09326172, -0.28125   ,  0.33984375, -0.40820312,
         0.04467773, -0.09082031,  0.29101562,  0.14355469,  0.01843262,
        -0.31640625, -0.23046875,  0.13085938, -0.27148438,  0.12158203,
        -0.12597656, -0.23925781, -0.04858398,  0.11474609, -0.01287842,
        -0.6484375 ,  0.36328125,  0.38867188, -0.10351562, -0.29882812,
         0.0045166 ,  0.05834961,  0.04321289, -0.41210938, -0.06225586,
        -0.22167969,  0.11035156, -0.11035156, -0.29492188,  0.43164062,
        -0.37890625, -0.40234375, -0.15429688,  0.01977539,  0.12695312,
        -0.03759766, -0.18261719,  0.05517578, -0.08105469,  0.15625   ,
        -0.19824219,  0.15527344, -0.02905273, -0.04638672,  0.36523438,
```

```
         0.08154297, -0.17773438, -0.1171875 , -0.00567627,  0.15722656,
        -0.03857422,  0.296875  , -0.03149414,  0.35546875, -0.234375  ,
         0.14160156,  0.14941406, -0.25195312, -0.05981445,  0.12597656,
         0.21679688,  0.03466797, -0.05273438,  0.36914062,  0.39453125,
         0.21875   ,  0.03344727,  0.56640625,  0.03881836,  0.05737305,
         0.10498047, -0.29882812, -0.13574219,  0.45507812,  0.06298828,
        -0.36914062,  0.34179688,  0.35546875,  0.06445312, -0.14550781,
         0.03759766, -0.04833984, -0.05297852, -0.11279297, -0.1328125 ,
        -0.25195312,  0.06494141, -0.08300781, -0.13574219, -0.31835938,
        -0.04858398,  0.10302734,  0.09033203, -0.01757812, -0.17382812,
        -0.10253906,  0.03857422,  0.01202393,  0.19824219, -0.34765625,
         0.17675781, -0.00198364, -0.1484375 , -0.00415039, -0.04931641,
        -0.01647949, -0.1796875 ,  0.18554688,  0.12597656,  0.57421875,
        -0.07958984, -0.265625  , -0.12792969, -0.43164062,  0.01245117,
        -0.17871094, -0.03466797, -0.21875   , -0.21875   ,  0.07275391,
        -0.19140625, -0.27734375,  0.05151367, -0.25195312, -0.26367188,
         0.36523438, -0.43359375,  0.57421875, -0.18261719,  0.02539062,
         0.4453125 , -0.02331543, -0.11816406,  0.34765625, -0.12109375,
         0.15234375,  0.09179688,  0.05273438,  0.01843262,  0.12988281,
        -0.0546875 ,  0.15625   ,  0.25585938,  0.20019531, -0.03588867,
        -0.03076172,  0.02832031,  0.00747681,  0.26171875,  0.46484375,
        -0.06030273,  0.12597656,  0.16113281, -0.14941406, -0.06738281,
         0.20605469, -0.13867188,  0.20019531,  0.00088882,  0.01818848,
        -0.31445312, -0.22070312,  0.09033203,  0.01049805, -0.20214844,
         0.17675781, -0.12597656,  0.04931641,  0.19042969,  0.17675781,
        -0.375     , -0.34375   , -0.03051758,  0.02441406, -0.19140625,
         0.20996094,  0.07861328, -0.34375   ,  0.0402832 ,  0.140625  ,
        -0.30078125,  0.13964844,  0.3125    , -0.03320312, -0.32617188,
        -0.6484375 , -0.43164062, -0.18847656,  0.11035156, -0.09179688,
        -0.0534668 , -0.43359375, -0.36132812, -0.14257812,  0.44921875,
         0.171875  ,  0.04736328, -0.15625   , -0.25976562, -0.37890625,
         0.14160156,  0.03735352,  0.484375  ,  0.06591797, -0.03149414,
        -0.05639648, -0.09033203, -0.03271484,  0.03540039, -0.09716797,
         0.00759888,  0.25976562,  0.01171875,  0.22851562, -0.13867188,
        -0.13671875, -0.05517578, -0.3046875 ,  0.02941895, -0.26367188,
         0.04321289, -0.08935547,  0.08740234, -0.625     , -0.47070312,
         0.27539062, -0.34179688, -0.12890625,  0.01757812, -0.30078125,
         0.04956055,  0.05615234, -0.47070312,  0.16796875, -0.13085938,
        -0.29882812, -0.20214844, -0.22265625,  0.11230469,  0.22363281,
         0.03393555,  0.06298828, -0.04711914, -0.4453125 , -0.15234375,
        -0.10107422,  0.34179688,  0.46679688, -0.01794434,  0.23730469,
        -0.11572266, -0.17578125, -0.22265625,  0.17675781,  0.08007812,
        -0.0378418 ,  0.19433594, -0.27539062, -0.10791016, -0.2734375 ,
        -0.23339844,  0.0234375 , -0.13183594,  0.4375    , -0.34765625,
        -0.09912109, -0.02856445,  0.00238037,  0.25585938,  0.45703125,
        -0.20898438, -0.18164062, -0.04199219, -0.11376953,  0.17480469,
         0.07910156,  0.16894531,  0.16601562,  0.18164062, -0.05419922],
       dtype=float32),
 'staff': array([-0.17578125,  0.00098419, -0.00341797,  0.04272461, -0.208
98438,
         0.02001953, -0.16699219,  0.03442383,  0.01055908, -0.00524902,
         0.00067139, -0.12158203,  0.14746094, -0.04370117, -0.16699219,
         0.06005859, -0.04272461, -0.10009766, -0.00485229,  0.03955078,
         0.09082031, -0.13085938,  0.29492188, -0.04199219,  0.03637695,
        -0.01184082, -0.19335938,  0.10644531, -0.14746094, -0.16699219,
         0.23828125, -0.25976562, -0.109375  , -0.03930664,  0.23925781,
        -0.30859375,  0.00878906,  0.16015625,  0.00061035, -0.08886719,
         0.13574219, -0.40820312, -0.28710938, -0.16699219,  0.19042969,
        -0.04150391, -0.1328125 , -0.02429199, -0.08740234,  0.1171875 ,
         0.09130859, -0.18066406, -0.02490234,  0.16113281,  0.06079102,
        -0.02111816,  0.11962891,  0.04516602, -0.17675781,  0.03686523,
        -0.01190186,  0.13378906, -0.17480469, -0.12695312,  0.21289062,
        -0.0402832 , -0.02539062,  0.01635742,  0.09619141,  0.11767578,
        -0.08789062, -0.07226562,  0.11962891, -0.08740234, -0.05419922,
```

```
         0.05712891,  0.15625   , -0.012146  , -0.04296875, -0.01318359,
         0.00157928, -0.0168457 ,  0.09130859,  0.17675781,  0.10839844,
        -0.265625  , -0.01391602, -0.09228516, -0.08642578,  0.03662109,
         0.05493164, -0.05908203, -0.0859375 , -0.04101562,  0.13671875,
        -0.06054688, -0.10351562,  0.31054688, -0.03613281, -0.07714844,
         0.20507812, -0.14355469,  0.01324463,  0.00527954,  0.07275391,
        -0.15820312,  0.04003906,  0.07324219,  0.00085068, -0.1953125 ,
        -0.06591797, -0.15722656, -0.05444336, -0.17382812,  0.11376953,
         0.09082031,  0.1484375 , -0.13574219,  0.15039062, -0.07128906,
        -0.44140625,  0.01104736, -0.03979492,  0.03930664,  0.11083984,
         0.09472656, -0.17089844, -0.04492188,  0.11425781,  0.09619141,
        -0.10351562, -0.19921875, -0.22167969, -0.31835938, -0.0291748 ,
         0.02941895, -0.29296875,  0.23339844, -0.05615234, -0.02209473,
        -0.06884766, -0.25195312,  0.08203125, -0.11279297,  0.1796875 ,
         0.04882812, -0.03588867, -0.05566406,  0.08837891,  0.15136719,
         0.12255859,  0.31640625,  0.09179688,  0.26171875,  0.27148438,
        -0.23535156,  0.15820312, -0.02429199, -0.19433594, -0.00326538,
         0.13378906,  0.14453125,  0.09228516,  0.03295898,  0.03063965,
        -0.16113281, -0.203125  , -0.02624512,  0.10449219, -0.02624512,
         0.16503906,  0.00878906,  0.08447266, -0.03466797,  0.05737305,
        -0.14257812,  0.08691406,  0.21972656,  0.03222656,  0.08837891,
        -0.17480469,  0.07275391,  0.02233887, -0.17089844, -0.23730469,
        -0.10351562,  0.03112793,  0.03125   ,  0.21875   ,  0.01153564,
        -0.28710938, -0.1015625 ,  0.07080078,  0.13574219, -0.10742188,
         0.08105469,  0.00442505,  0.0050354 , -0.10400391,  0.00093079,
        -0.09619141,  0.27734375, -0.04223633, -0.0246582 , -0.07177734,
        -0.16796875,  0.03149414, -0.04003906,  0.09375   , -0.1328125 ,
         0.23828125, -0.28125   , -0.16113281, -0.03710938,  0.22363281,
         0.06542969,  0.11816406,  0.0625    , -0.12597656, -0.08398438,
         0.23925781,  0.01397705,  0.0123291 ,  0.16699219,  0.12792969,
        -0.20605469,  0.01831055,  0.10351562,  0.03393555, -0.20117188,
        -0.08203125,  0.07666016,  0.10498047, -0.02990723, -0.00619507,
        -0.19238281,  0.04003906,  0.10449219, -0.04272461, -0.18652344,
        -0.04467773,  0.11083984,  0.00958252, -0.28710938, -0.19824219,
         0.00389099, -0.13085938, -0.04931641, -0.07861328,  0.03295898,
        -0.09912109,  0.19824219, -0.12695312,  0.02502441, -0.05151367,
        -0.2421875 ,  0.06982422,  0.22753906, -0.15527344,  0.19433594,
         0.08251953, -0.04394531, -0.09179688,  0.06591797, -0.11621094,
         0.00053406, -0.05883789, -0.00595093, -0.10742188,  0.00176239,
         0.06005859,  0.04956055,  0.0213623 ,  0.12304688,  0.04956055,
        -0.05737305,  0.21777344, -0.10253906,  0.08154297, -0.19726562,
         0.00805664,  0.04223633,  0.09521484,  0.203125  ,  0.18359375,
         0.17480469, -0.2578125 , -0.09179688,  0.40429688,  0.09619141,
        -0.11474609, -0.04541016, -0.02246094,  0.09570312,  0.02734375,
         0.07910156,  0.14257812, -0.11474609, -0.13378906, -0.05834961],
       dtype=float32),
 'principle': array([ 1.67968750e-01,  4.34570312e-02,  1.66992188e-01,  3.
00781250e-01,
        -1.86523438e-01,  1.37695312e-01,  3.47656250e-01, -6.44531250e-02,
         1.50146484e-02,  1.86523438e-01, -2.02148438e-01, -3.08837891e-02,
         1.38671875e-01, -1.23046875e-01, -3.51562500e-01,  3.24218750e-01,
         1.26953125e-01,  9.70458984e-03, -1.51367188e-01, -6.39648438e-02,
        -1.11328125e-01,  3.97949219e-02,  8.39843750e-02,  1.51367188e-01,
         1.22558594e-01,  2.12097168e-03,  1.53198242e-02,  1.92382812e-01,
        -1.66015625e-01,  3.17382812e-02, -6.73828125e-02, -1.14746094e-01,
         1.20605469e-01,  1.41601562e-01,  8.44726562e-02,  2.42187500e-01,
         1.16210938e-01,  1.42578125e-01,  1.55273438e-01, -1.64062500e-01,
         8.93554688e-02, -4.39453125e-03,  1.92871094e-02, -2.54821777e-03,
        -6.03027344e-02,  9.03320312e-02, -3.44238281e-02, -2.69531250e-01,
        -1.14746094e-01, -6.07910156e-02,  5.55419922e-03,  4.54101562e-02,
        -4.39453125e-02, -1.18652344e-01,  2.26562500e-01, -3.90625000e-02,
        -3.16406250e-01, -4.11987305e-03, -1.04492188e-01, -7.95898438e-02,
         6.15234375e-02,  1.31835938e-01,  1.97265625e-01,  4.73632812e-02,
         5.66406250e-02, -2.29492188e-01, -1.61132812e-01,  1.37695312e-01,
```

```
        -3.46679688e-02, -5.61523438e-02,  1.18408203e-02, -9.03320312e-02,
         1.73828125e-01, -1.62353516e-02, -6.88476562e-02, -3.76953125e-01,
         4.45556641e-03, -1.37939453e-02,  2.09960938e-01,  1.77734375e-01,
        -7.66601562e-02, -7.17773438e-02,  6.64062500e-02, -1.40991211e-02,
         1.45507812e-01, -2.53906250e-01,  4.56542969e-02,  1.04980469e-01,
         5.39550781e-02, -1.19628906e-01,  1.38671875e-01,  9.61914062e-02,
        -2.13867188e-01, -9.76562500e-02, -2.46582031e-02, -3.51562500e-02,
         6.56127930e-03, -3.51562500e-01,  4.27246094e-02, -1.57226562e-01,
         7.42187500e-02,  1.39770508e-02, -1.51367188e-01,  1.98242188e-01,
         1.16699219e-01,  8.44726562e-02,  5.46875000e-02, -8.05664062e-02,
         9.52148438e-02,  6.83593750e-02, -4.49218750e-02,  1.67968750e-01,
        -7.86132812e-02,  2.71484375e-01,  4.06250000e-01,  1.94335938e-01,
         1.77001953e-02,  1.19628906e-01, -1.16699219e-01,  2.57812500e-01,
         2.10937500e-01, -1.19140625e-01, -1.61132812e-01,  2.33398438e-01,
        -1.63085938e-01,  7.86132812e-02,  1.48437500e-01, -2.83203125e-02,
         1.06445312e-01,  6.88476562e-02,  1.59912109e-02, -3.39843750e-01,
        -1.43554688e-01, -1.69921875e-01, -2.67333984e-02, -5.98144531e-03,
        -1.26953125e-01, -9.57031250e-02,  3.46374512e-03, -4.95605469e-02,
         7.22656250e-02, -4.54101562e-02,  2.67578125e-01, -1.79443359e-02,
        -2.29492188e-01, -7.81250000e-02, -1.44531250e-01, -5.93261719e-02,
         1.99218750e-01,  2.97851562e-02,  9.47265625e-02,  7.95898438e-02,
        -4.22363281e-02, -2.31933594e-02,  9.96093750e-02, -4.02832031e-02,
        -1.55273438e-01, -2.46582031e-02,  1.66015625e-01,  5.63964844e-02,
        -1.54296875e-01, -4.10156250e-02,  1.56250000e-01, -1.12792969e-01,
         1.61132812e-02, -9.91210938e-02, -1.81640625e-01, -6.20117188e-02,
        -1.88476562e-01, -1.92382812e-01,  8.00781250e-02,  1.15234375e-01,
         6.43920898e-03, -1.67236328e-02,  1.50390625e-01, -1.06933594e-01,
         6.73828125e-02, -3.08593750e-01, -1.10351562e-01, -1.39648438e-01,
        -2.61718750e-01,  1.31835938e-02,  1.57470703e-02, -1.52343750e-01,
         1.87500000e-01,  4.39453125e-03,  4.22000885e-05,  6.93359375e-02,
        -4.44335938e-02,  3.66210938e-02, -2.49023438e-01,  2.23632812e-01,
         1.20239258e-02,  1.39648438e-01, -1.93359375e-01, -1.48437500e-01,
        -1.19140625e-01,  4.97436523e-03,  4.19921875e-02,  9.66796875e-02,
         5.10253906e-02,  1.86523438e-01,  2.55126953e-02,  4.54101562e-02,
        -2.89062500e-01, -7.03125000e-02,  1.52343750e-01, -2.05078125e-02,
         1.05468750e-01, -2.25585938e-01, -5.66406250e-02,  2.00195312e-02,
         2.73437500e-01,  7.47070312e-02, -1.21582031e-01, -1.02539062e-01,
        -8.78906250e-03,  6.15234375e-02,  2.43164062e-01,  1.98242188e-01,
         3.50952148e-03, -4.66308594e-02,  3.00781250e-01,  8.10546875e-02,
        -2.71484375e-01, -3.56445312e-02,  3.02734375e-01,  2.44140625e-01,
         1.57226562e-01,  1.62109375e-01,  3.29589844e-02, -7.86132812e-02,
        -1.58691406e-02,  5.54199219e-02,  1.74560547e-02,  1.25000000e-01,
        -3.75976562e-02,  1.34765625e-01,  3.41796875e-02, -7.17773438e-02,
        -2.52685547e-02, -1.56250000e-01,  1.73339844e-02, -2.41699219e-02,
         7.17773438e-02,  1.11816406e-01, -5.24902344e-03,  1.89453125e-01,
        -8.59375000e-02, -7.12890625e-02, -3.85742188e-02,  4.24804688e-02,
        -7.51953125e-02, -1.56250000e-01,  2.24609375e-01, -6.98242188e-02,
        -1.20605469e-01,  2.81982422e-02, -3.85742188e-02, -5.49316406e-03,
         3.63281250e-01, -2.41210938e-01, -8.64257812e-02,  1.00097656e-01,
         1.30615234e-02,  3.26171875e-01,  7.51953125e-02, -2.03125000e-01,
        -3.06640625e-01, -1.71875000e-01,  1.40625000e-01, -7.50732422e-03,
         3.73535156e-02,  1.21582031e-01, -8.83789062e-02,  1.43554688e-01,
        -2.63671875e-01,  1.06201172e-02, -1.85546875e-01,  1.64062500e-01,
        -6.34765625e-02,  3.51562500e-01,  4.58984375e-02,  1.41601562e-01,
         2.96875000e-01, -7.51953125e-02,  5.00488281e-02,  1.75781250e-01,
         5.24902344e-03,  1.47460938e-01, -1.52343750e-01,  9.37500000e-02,
         1.53320312e-01, -2.03125000e-01, -1.62109375e-01,  1.31225586e-02,
        -1.40991211e-02, -4.02832031e-02,  4.83398438e-02,  5.78613281e-0
2],
       dtype=float32),
 'methodology': array([ 1.01562500e-01, -1.18652344e-01,  2.91015625e-01,
1.66015625e-01,
        -6.01196289e-03,  1.83593750e-01, -2.49023438e-02, -9.03320312e-03,
         2.06054688e-01, -1.33789062e-01,  3.85742188e-02, -1.42578125e-01,
```

```
 3.10546875e-01, -1.68945312e-01, -2.81250000e-01,  3.06640625e-01,
-6.49414062e-02, -2.45117188e-01, -3.00781250e-01, -1.45507812e-01,
-1.79443359e-02,  5.54199219e-02, -8.25195312e-02,  5.62500000e-01,
-8.00781250e-02, -1.25976562e-01, -4.34570312e-02, -3.17382812e-02,
-1.45507812e-01, -1.16210938e-01, -1.03027344e-01, -1.95312500e-01,
-3.68652344e-02,  1.49414062e-01,  1.84570312e-01,  2.12890625e-01,
-9.17968750e-02, -1.30859375e-01,  3.08593750e-01, -3.41796875e-01,
 1.73828125e-01,  8.20312500e-02, -1.48437500e-01,  1.38549805e-02,
 3.88183594e-02, -9.52148438e-03, -4.76562500e-01, -2.35351562e-01,
-5.66406250e-02,  3.43750000e-01, -4.24804688e-02,  1.06933594e-01,
-3.32031250e-01, -2.81250000e-01,  2.11914062e-01,  7.56835938e-02,
-1.42822266e-02, -1.58203125e-01,  1.94335938e-01, -2.71484375e-01,
 4.29687500e-02, -1.47094727e-02, -8.05664062e-02,  5.07812500e-02,
-1.28784180e-02,  7.76367188e-02,  9.52148438e-03,  1.02539062e-01,
 2.96875000e-01,  6.01196289e-03, -8.00781250e-02, -6.05468750e-02,
 8.54492188e-02, -2.45117188e-01,  5.15136719e-02, -1.08886719e-01,
 1.12792969e-01,  3.80859375e-02,  1.53320312e-01,  1.67968750e-01,
 6.73828125e-02, -1.81884766e-02, -4.98046875e-02,  1.12304688e-01,
 2.28515625e-01, -1.30859375e-01,  9.96093750e-02,  3.08593750e-01,
-1.22558594e-01,  6.15234375e-02,  1.42578125e-01,  1.63574219e-02,
-2.91015625e-01,  1.45507812e-01,  5.05371094e-02,  2.53906250e-01,
-2.25585938e-01, -1.91406250e-01,  1.77734375e-01, -9.27734375e-02,
 2.36328125e-01, -1.94091797e-02, -5.93261719e-02,  6.88476562e-02,
-1.06445312e-01, -1.44042969e-02, -2.63671875e-01,  1.59179688e-01,
 2.75390625e-01, -2.06054688e-01,  1.57226562e-01,  8.88671875e-02,
-1.46484375e-01,  5.07812500e-02,  4.82177734e-03,  3.73046875e-01,
-2.15820312e-01, -1.88476562e-01,  6.73828125e-02,  2.05078125e-01,
-1.38671875e-01,  2.00195312e-01, -4.05273438e-02, -4.76074219e-02,
 1.28906250e-01,  3.86718750e-01, -3.59375000e-01,  6.64062500e-02,
-2.96875000e-01, -2.22167969e-02, -1.42578125e-01, -3.67187500e-01,
-1.78710938e-01, -7.71484375e-02,  8.20312500e-02, -2.96630859e-02,
 1.86523438e-01, -7.86132812e-02,  1.63085938e-01,  2.17773438e-01,
 1.28906250e-01,  2.00195312e-02,  1.16210938e-01, -8.64257812e-02,
-2.15820312e-01, -8.11767578e-03,  6.39648438e-02, -5.27343750e-02,
-4.27246094e-02,  1.48437500e-01, -1.41143799e-04, -7.76367188e-02,
-9.96093750e-02,  2.17773438e-01,  2.27539062e-01, -4.10156250e-01,
-1.23535156e-01,  2.03125000e-01, -8.34960938e-02,  3.11279297e-02,
 3.05175781e-02,  3.66210938e-02,  9.61914062e-02, -1.28906250e-01,
-1.09863281e-01,  2.91015625e-01,  2.32421875e-01, -7.03125000e-02,
 1.02539062e-02, -2.88085938e-02,  1.85546875e-01, -8.25195312e-02,
-1.97265625e-01,  1.65039062e-01,  2.05078125e-01, -3.66210938e-02,
 2.12890625e-01, -2.28515625e-01, -1.49414062e-01, -1.74804688e-01,
-3.33984375e-01,  2.85644531e-02,  1.56250000e-01,  2.45117188e-01,
 1.93359375e-01, -1.41601562e-01,  1.33789062e-01,  9.96093750e-02,
 1.29882812e-01,  1.41601562e-01, -2.63671875e-01, -4.47265625e-01,
 5.78613281e-02, -2.61718750e-01, -2.21679688e-01,  5.93261719e-02,
 1.20117188e-01, -8.83789062e-02,  1.42578125e-01, -5.85937500e-02,
-1.80664062e-01,  2.71484375e-01, -1.72851562e-01,  2.34375000e-01,
-3.82812500e-01,  3.03955078e-02,  1.26953125e-01,  7.47070312e-02,
 5.73730469e-02, -1.40625000e-01, -5.24902344e-02, -2.72216797e-02,
 1.00708008e-02, -1.92382812e-01, -2.94921875e-01,  5.93261719e-02,
 2.23388672e-02,  3.80859375e-01,  1.71875000e-01,  4.83398438e-02,
-5.29785156e-02,  1.26953125e-01,  2.28515625e-01, -2.10937500e-01,
-9.86328125e-02,  8.54492188e-02,  2.55859375e-01,  4.11987305e-03,
 2.89306641e-02,  3.84765625e-01, -9.81445312e-02, -2.99072266e-02,
 3.85742188e-02, -2.11914062e-01, -1.67968750e-01, -5.39550781e-02,
 5.41992188e-02, -1.24511719e-01,  1.77734375e-01, -1.76757812e-01,
-1.64794922e-02, -1.04003906e-01,  6.73828125e-02, -2.02148438e-01,
-2.83203125e-02, -2.06054688e-01,  1.64062500e-01,  3.30078125e-01,
-1.66015625e-01,  6.83593750e-02, -1.40380859e-02, -4.69970703e-03,
-1.33789062e-01, -2.83203125e-01, -3.46679688e-02, -5.68847656e-02,
-1.57226562e-01,  1.82617188e-01,  1.63574219e-02, -1.74804688e-01,
 3.08593750e-01, -1.79687500e-01,  8.39843750e-02,  1.34765625e-01,
 5.34667969e-02,  1.59179688e-01, -1.08886719e-01, -4.22363281e-02,
```

```
        -2.10937500e-01, -2.06054688e-01, -9.70458984e-03,  2.67578125e-01,
        -1.59179688e-01,  3.08593750e-01, -2.69531250e-01,  2.88391113e-03,
        -7.81250000e-02,  2.20703125e-01,  2.63671875e-01, -4.07714844e-02,
        -2.16796875e-01,  1.93359375e-01, -2.99072266e-02, -2.47192383e-03,
         9.42382812e-02, -1.76757812e-01, -7.27539062e-02, -1.89208984e-02,
        -1.76757812e-01,  8.66699219e-03, -3.47656250e-01,  2.94921875e-01,
        -7.56835938e-02,  1.58203125e-01, -1.74804688e-01, -3.83300781e-02,
         1.66992188e-01,  7.17773438e-02, -2.65625000e-01,  3.07617188e-0
2],
       dtype=float32),
 'create': array([-0.03857422,  0.02062988, -0.03149414, -0.05688477, -0.03
466797,
        -0.04614258,  0.06982422,  0.00442505, -0.08105469, -0.01635742,
        -0.18847656,  0.00473022, -0.05810547, -0.00466919,  0.04077148,
         0.140625  , -0.18261719,  0.24511719,  0.00086975,  0.05493164,
        -0.01721191,  0.12158203, -0.00256348, -0.00360107, -0.10498047,
         0.0234375 ,  0.04760742, -0.05102539, -0.05053711, -0.10791016,
        -0.140625  , -0.00176239, -0.12158203, -0.11132812, -0.08789062,
        -0.09423828,  0.09814453,  0.03125   ,  0.05908203,  0.36914062,
         0.08935547,  0.16113281,  0.06298828, -0.01623535, -0.19628906,
        -0.24707031, -0.04077148,  0.11621094,  0.13964844,  0.13085938,
        -0.08349609,  0.11230469, -0.0255127 , -0.15332031,  0.07666016,
         0.06835938, -0.1640625 , -0.35351562, -0.0559082 , -0.14941406,
         0.3046875 , -0.13964844, -0.10888672, -0.05639648, -0.21679688,
         0.35351562, -0.11767578,  0.12207031,  0.08984375,  0.08886719,
         0.02575684,  0.26757812,  0.17480469, -0.11035156,  0.00050354,
        -0.22363281,  0.09375   ,  0.08251953, -0.3046875 ,  0.12695312,
         0.0625    , -0.234375  , -0.03637695,  0.10058594,  0.21679688,
         0.0559082 , -0.13964844,  0.12890625, -0.265625  , -0.02124023,
         0.16210938, -0.07861328, -0.15625   , -0.17578125,  0.109375  ,
        -0.10058594,  0.04980469,  0.17675781,  0.22753906,  0.03271484,
        -0.07617188,  0.01831055, -0.13085938,  0.14257812, -0.01574707,
        -0.04248047, -0.09765625, -0.15136719, -0.05541992,  0.00494385,
        -0.33398438,  0.07666016, -0.05541992, -0.08203125,  0.17675781,
        -0.01733398, -0.04101562, -0.04956055,  0.09765625, -0.06152344,
         0.04443359, -0.25195312,  0.02124023,  0.05151367,  0.12890625,
         0.00082397,  0.03173828, -0.14257812,  0.10400391,  0.140625  ,
         0.28515625,  0.17773438, -0.05737305,  0.28710938,  0.19824219,
         0.07568359, -0.15429688, -0.03198242,  0.17578125, -0.13671875,
         0.01696777, -0.22070312, -0.26171875,  0.14257812,  0.16992188,
        -0.16113281, -0.20410156, -0.25390625, -0.01965332,  0.05834961,
         0.14257812, -0.11083984,  0.03149414,  0.11035156,  0.16210938,
        -0.07617188,  0.07958984, -0.19628906, -0.17675781, -0.12792969,
        -0.03039551, -0.171875  , -0.26171875, -0.04492188,  0.09326172,
         0.1484375 ,  0.20507812, -0.12597656, -0.05908203, -0.12451172,
        -0.171875  , -0.24414062, -0.16503906,  0.02258301,  0.05981445,
        -0.08349609,  0.08007812,  0.01794434, -0.13671875,  0.1328125 ,
         0.04638672, -0.1796875 ,  0.16601562,  0.05151367, -0.2109375 ,
        -0.03173828,  0.02966309, -0.12060547,  0.01611328, -0.00952148,
        -0.14453125, -0.03125   ,  0.13574219, -0.20703125, -0.09521484,
        -0.2734375 , -0.01611328, -0.12158203, -0.15429688, -0.22363281,
         0.12695312,  0.06982422,  0.13085938, -0.25      ,  0.01403809,
        -0.05224609,  0.04589844,  0.03198242, -0.00466919, -0.13964844,
         0.03466797, -0.01831055,  0.00964355,  0.26367188, -0.06445312,
        -0.16113281,  0.24316406,  0.03588867, -0.12060547,  0.04174805,
         0.08349609, -0.07666016, -0.16894531,  0.0859375 ,  0.02282715,
         0.10595703, -0.08349609,  0.03100586,  0.03271484,  0.15820312,
        -0.11474609,  0.12597656,  0.09179688, -0.02111816,  0.2421875 ,
        -0.04125977,  0.05371094, -0.06835938,  0.16210938, -0.02539062,
        -0.19140625,  0.09814453, -0.08203125, -0.01434326,  0.0625    ,
         0.08300781, -0.10888672,  0.21386719, -0.19921875, -0.03271484,
         0.01757812,  0.12890625, -0.0703125 ,  0.14355469, -0.03417969,
         0.05444336, -0.08789062,  0.02294922, -0.10009766, -0.13867188,
        -0.07763672, -0.015625  ,  0.09179688,  0.01672363, -0.06542969,
```

```
         0.08935547,  0.09277344, -0.1328125 , -0.2578125 , -0.0168457 ,
        -0.02966309,  0.13574219, -0.02331543,  0.07714844,  0.07177734,
        -0.0168457 , -0.22558594, -0.30273438,  0.01721191, -0.14257812,
        -0.09423828,  0.00738525, -0.0222168 ,  0.19824219,  0.15136719,
         0.07519531, -0.27734375, -0.19140625,  0.05834961, -0.08056641,
        -0.3671875 ,  0.26953125, -0.12695312,  0.05761719, -0.18261719,
        -0.10400391,  0.21289062, -0.11767578,  0.17089844, -0.24707031],
       dtype=float32),
 'data': array([-1.72851562e-01, -1.42578125e-01,  4.37011719e-02, -3.34472
656e-02,
        -7.86132812e-02, -1.39648438e-01, -1.44531250e-01,  7.12890625e-02,
         1.65039062e-01, -1.46484375e-01, -3.41796875e-02, -9.08203125e-02,
        -1.58203125e-01, -1.72851562e-01,  6.44531250e-02,  1.03515625e-01,
        -1.43554688e-01,  1.33789062e-01, -2.10937500e-01, -5.03906250e-01,
        -1.73828125e-01,  4.90722656e-02, -1.02539062e-01,  9.32617188e-02,
         7.71484375e-02,  9.61914062e-02, -1.19628906e-01,  3.00781250e-01,
        -1.84570312e-01, -1.39648438e-01,  3.35937500e-01, -2.07031250e-01,
         4.58984375e-02, -2.96875000e-01, -3.16406250e-01, -6.39648438e-02,
        -6.12792969e-02, -1.10351562e-01,  1.51367188e-01,  4.22363281e-02,
        -1.30859375e-01,  1.34765625e-01,  2.26562500e-01,  1.48437500e-01,
         2.16064453e-02, -8.20312500e-02, -2.95410156e-02,  2.01171875e-01,
         1.19140625e-01,  1.86523438e-01,  1.66992188e-01, -2.66113281e-02,
        -1.72119141e-02, -2.18750000e-01, -7.51953125e-02, -2.74658203e-02,
        -1.14257812e-01,  8.05664062e-03,  1.72851562e-01, -1.89453125e-01,
        -2.33154297e-02,  1.04370117e-02, -1.88476562e-01,  2.33154297e-02,
        -1.69921875e-01,  1.65039062e-01, -1.10839844e-01,  1.75781250e-01,
         1.02539062e-01, -1.59179688e-01, -3.88183594e-02, -2.15820312e-01,
         3.57421875e-01, -1.87500000e-01, -2.52685547e-02,  8.10546875e-02,
         7.76367188e-02, -1.07421875e-01,  1.97265625e-01,  1.84326172e-02,
         6.93359375e-02,  3.36914062e-02,  9.76562500e-02, -2.29492188e-01,
         1.62109375e-01,  9.57031250e-02, -8.00781250e-02,  1.40625000e-01,
        -2.16796875e-01,  5.20019531e-02,  1.42578125e-01, -2.65625000e-01,
        -1.02539062e-01, -3.80859375e-02, -7.51953125e-02, -1.31835938e-01,
         7.66601562e-02, -1.67968750e-01,  3.73046875e-01,  5.85937500e-02,
         7.56835938e-02, -1.32812500e-01,  5.90820312e-02, -7.08007812e-02,
         8.54492188e-02,  1.49414062e-01, -2.27539062e-01, -8.44726562e-02,
         1.38671875e-01, -1.66015625e-02,  7.32421875e-02,  8.25195312e-02,
         5.63964844e-02,  1.38671875e-01,  5.49316406e-02,  2.24609375e-01,
         4.81605530e-05, -4.88281250e-02,  5.66406250e-01,  1.60156250e-01,
        -2.94921875e-01,  9.71679688e-02, -2.28515625e-01,  1.60156250e-01,
         1.19628906e-01,  1.38671875e-01, -2.67578125e-01, -1.20239258e-02,
         2.79541016e-02,  2.78320312e-02, -2.27539062e-01, -8.74023438e-02,
         2.83203125e-01,  2.35351562e-01, -8.93554688e-02, -3.10546875e-01,
         2.32421875e-01, -1.55639648e-02, -2.43164062e-01,  3.08837891e-02,
         1.66992188e-01, -6.98242188e-02,  1.34765625e-01,  2.81250000e-01,
        -1.33789062e-01, -1.48437500e-01,  4.45312500e-01,  1.29882812e-01,
         1.90429688e-02, -1.85546875e-01, -3.05175781e-02,  3.32031250e-02,
        -1.31835938e-01,  3.59375000e-01,  1.46484375e-01, -1.03515625e-01,
        -2.03125000e-01,  1.25000000e-01, -2.51953125e-01, -3.46679688e-02,
        -2.03125000e-01, -1.06445312e-01, -1.75781250e-01, -1.00585938e-01,
        -1.08886719e-01,  2.33398438e-01,  1.12304688e-02,  2.41210938e-01,
        -1.46484375e-01, -1.21093750e-01, -1.06201172e-02, -1.35742188e-01,
        -2.20703125e-01,  1.76757812e-01,  1.72851562e-01, -1.37695312e-01,
        -1.19628906e-01, -1.78710938e-01,  1.49536133e-02, -3.24218750e-01,
        -1.97265625e-01, -1.67968750e-01, -2.86865234e-02, -2.15820312e-01,
         1.44531250e-01,  1.09863281e-01, -4.78515625e-01,  1.28906250e-01,
         8.69140625e-02,  2.12890625e-01, -2.00195312e-01, -3.08593750e-01,
        -1.34765625e-01, -1.27929688e-01,  1.74560547e-02,  7.32421875e-03,
         2.19726562e-01, -2.63671875e-01,  1.01074219e-01, -1.06201172e-02,
        -3.06640625e-01, -7.56835938e-02, -8.97216797e-03,  1.72119141e-02,
         1.06201172e-02,  1.99218750e-01, -3.05175781e-02, -2.07031250e-01,
         1.71875000e-01, -1.37695312e-01,  1.02539062e-01,  2.34375000e-01,
        -6.25000000e-02,  6.49414062e-02, -2.11914062e-01,  1.29882812e-01,
         1.28173828e-02,  3.08593750e-01,  4.93164062e-02,  1.91406250e-01,
```

```
        -1.74804688e-01,  5.98144531e-02, -2.77099609e-02, -3.41796875e-01,
        -3.00781250e-01,  1.55029297e-02,  9.21630859e-03, -3.51562500e-02,
         8.93554688e-02, -1.57470703e-02, -9.37500000e-02, -1.39648438e-01,
         9.37500000e-02, -3.63281250e-01, -1.16210938e-01, -1.89453125e-01,
        -3.27148438e-02, -7.56835938e-02,  1.02539062e-01, -9.91210938e-02,
         2.02148438e-01,  6.78710938e-02,  9.47265625e-02, -4.93164062e-02,
        -8.64257812e-02,  2.06298828e-02,  1.12304688e-01,  3.53515625e-01,
         8.49609375e-02,  7.55310059e-04, -3.53515625e-01,  2.46582031e-02,
        -4.29687500e-01, -1.34765625e-01, -2.71484375e-01, -2.63671875e-02,
         7.76367188e-02, -1.87500000e-01, -2.74658203e-02, -5.88378906e-02,
         1.91406250e-01, -2.06054688e-01, -2.49023438e-01,  1.24511719e-01,
        -3.66210938e-02, -1.03149414e-02, -2.18505859e-02, -3.29589844e-02,
        -3.85742188e-02,  6.49414062e-02,  4.32128906e-02,  2.31445312e-01,
         2.38281250e-01, -1.94091797e-02,  1.36718750e-01,  1.74560547e-02,
        -8.39843750e-02,  5.59082031e-02,  2.89062500e-01, -1.49414062e-01,
        -4.08203125e-01,  2.79296875e-01,  2.20703125e-01, -2.80761719e-02,
        -1.07421875e-02, -1.26953125e-01,  2.30468750e-01,  2.19726562e-01,
         1.20117188e-01,  4.78515625e-02,  6.59179688e-02,  1.24023438e-01,
         6.25000000e-02,  1.13525391e-02, -2.04101562e-01,  1.69921875e-01,
         5.39550781e-02, -1.34765625e-01,  1.00097656e-01, -1.65039062e-0
1],
       dtype=float32),
 'collection': array([ 0.04418945,  0.32421875, -0.05810547,  0.21289062,
0.26171875,
        -0.0480957 ,  0.0390625 , -0.15039062,  0.07617188,  0.25      ,
        -0.02038574, -0.27929688,  0.06396484,  0.02319336, -0.37890625,
        -0.21191406,  0.29492188,  0.17578125, -0.04638672,  0.03613281,
        -0.03173828, -0.18847656,  0.02355957,  0.125     , -0.07958984,
        -0.08105469, -0.10009766,  0.09521484, -0.07666016, -0.11230469,
        -0.11230469,  0.07275391,  0.05078125,  0.24121094, -0.06640625,
        -0.10205078,  0.05957031, -0.16894531, -0.12597656, -0.12597656,
         0.14257812,  0.18359375, -0.08398438,  0.08886719,  0.04321289,
        -0.39257812, -0.1953125 , -0.12890625, -0.06494141,  0.00601196,
         0.15527344, -0.16308594,  0.0222168 , -0.2109375 , -0.04003906,
         0.27929688, -0.07763672, -0.00576782, -0.125     ,  0.01953125,
         0.16503906, -0.24707031, -0.00402832, -0.3828125 ,  0.00726318,
         0.10253906, -0.23632812,  0.05126953,  0.14648438, -0.02429199,
         0.25      , -0.19921875,  0.234375  , -0.18457031, -0.08300781,
         0.265625  ,  0.24511719, -0.01373291,  0.09619141, -0.05786133,
         0.07275391, -0.23535156,  0.21679688, -0.19140625,  0.12988281,
         0.13574219, -0.06787109, -0.04370117,  0.07666016,  0.08789062,
         0.02563477, -0.08984375,  0.09228516, -0.02770996, -0.03491211,
        -0.07324219,  0.11083984, -0.02661133,  0.11035156,  0.10205078,
        -0.03344727,  0.22167969, -0.11572266, -0.09863281,  0.13378906,
        -0.12060547,  0.07958984,  0.19140625, -0.19824219, -0.07958984,
        -0.07666016,  0.05761719, -0.08300781, -0.00233459,  0.02941895,
         0.0291748 , -0.16992188, -0.03039551,  0.13085938,  0.05151367,
        -0.11132812,  0.01525879,  0.13378906,  0.00735474,  0.08105469,
         0.04980469, -0.00891113,  0.06347656, -0.07080078, -0.01269531,
         0.171875  , -0.17773438,  0.02001953,  0.00196838, -0.05615234,
        -0.05395508, -0.19921875, -0.14941406, -0.02722168, -0.19335938,
         0.08349609, -0.08447266, -0.03442383,  0.19628906,  0.20117188,
        -0.05224609,  0.00415039,  0.20019531, -0.03076172,  0.05029297,
         0.12792969,  0.09423828,  0.05688477,  0.296875  ,  0.19433594,
        -0.34375   ,  0.0062561 ,  0.13769531, -0.07763672,  0.03149414,
        -0.01879883, -0.02563477,  0.02490234,  0.20800781,  0.0324707 ,
        -0.02099609,  0.51953125, -0.19726562, -0.17578125,  0.03955078,
        -0.05273438,  0.12890625,  0.17773438,  0.0016098 ,  0.09521484,
         0.04077148,  0.07861328, -0.2109375 , -0.16308594,  0.01245117,
        -0.08154297,  0.05810547,  0.02197266, -0.03051758, -0.0480957 ,
        -0.04125977, -0.33789062,  0.078125  , -0.08300781,  0.10791016,
         0.12890625, -0.1640625 ,  0.30273438,  0.12792969, -0.29296875,
        -0.15722656,  0.12109375,  0.13867188, -0.05664062, -0.03710938,
        -0.04833984, -0.04150391, -0.08447266,  0.11962891, -0.20898438,
```

```
         0.29101562, -0.29882812,  0.17382812,  0.0859375 ,  0.02307129,
        -0.0234375 , -0.00341797,  0.03295898, -0.02001953,  0.06176758,
         0.29882812, -0.14453125,  0.11669922, -0.21484375,  0.08349609,
        -0.13769531,  0.09033203, -0.20410156, -0.02111816, -0.01940918,
        -0.12695312, -0.30078125, -0.18164062,  0.00854492, -0.10644531,
         0.11572266,  0.11181641, -0.25390625,  0.00221252,  0.06396484,
         0.06738281, -0.00946045, -0.00579834, -0.03637695, -0.171875  ,
         0.140625  , -0.19433594,  0.13183594, -0.07128906, -0.0703125 ,
         0.21484375,  0.12207031,  0.01782227, -0.08935547, -0.07421875,
        -0.09814453,  0.00053406, -0.02246094, -0.00494385, -0.12597656,
         0.03588867, -0.02111816, -0.16699219, -0.10302734, -0.23046875,
         0.22558594,  0.03222656, -0.10107422, -0.20507812, -0.18066406,
         0.02124023, -0.26953125,  0.08300781, -0.15820312,  0.31835938,
         0.13964844,  0.00799561,  0.13671875,  0.21191406,  0.43164062,
         0.12304688,  0.19238281,  0.0456543 ,  0.0480957 ,  0.02893066,
        -0.05981445,  0.11328125,  0.515625  , -0.14453125, -0.08935547,
         0.05786133, -0.00970459,  0.03833008,  0.24316406,  0.0859375 ,
        -0.07324219,  0.04760742,  0.06054688,  0.14648438,  0.0255127 ,
        -0.02502441,  0.0065918 ,  0.08886719,  0.04882812, -0.14941406],
       dtype=float32),
 'system': array([-2.02941895e-03, -1.55273438e-01,  8.74023438e-02,  6.835
93750e-02,
        -1.66015625e-01,  5.73730469e-02, -6.64062500e-02,  1.20849609e-02,
        -5.10253906e-02, -6.29882812e-02, -1.70898438e-01, -3.08593750e-01,
         1.57226562e-01, -2.67578125e-01, -1.75781250e-02,  1.15722656e-01,
         9.66796875e-02, -5.34667969e-02, -3.83300781e-02, -1.26953125e-01,
         9.96093750e-02,  1.08886719e-01, -2.31933594e-03,  8.10546875e-02,
         1.19140625e-01, -1.55273438e-01, -3.12500000e-01,  2.02148438e-01,
        -3.24707031e-02, -9.76562500e-02, -7.22656250e-02, -1.78710938e-01,
        -1.58691406e-02, -1.23046875e-01,  1.37695312e-01, -1.17187500e-01,
         7.71484375e-02, -1.57226562e-01,  1.66992188e-01, -3.97949219e-02,
        -2.17285156e-02, -1.06933594e-01,  1.08886719e-01,  5.02929688e-02,
         2.41210938e-01, -1.52343750e-01, -8.98437500e-02, -1.64794922e-02,
        -3.92578125e-01, -1.50146484e-02,  2.34375000e-02, -6.73828125e-02,
         6.88476562e-02, -2.14843750e-01,  2.41699219e-02,  1.21093750e-01,
        -3.41796875e-01, -1.13281250e-01,  5.10253906e-02, -4.98046875e-02,
        -2.90527344e-02, -5.59082031e-02, -1.03515625e-01, -1.22070312e-01,
         1.08886719e-01, -1.09863281e-01, -1.42578125e-01,  3.49121094e-02,
        -1.62109375e-01,  1.04980469e-01,  2.83203125e-02,  1.32812500e-01,
         1.44531250e-01, -1.10351562e-01, -5.00488281e-02, -3.30078125e-01,
         1.04003906e-01,  1.79443359e-02,  2.05078125e-01, -6.20117188e-02,
         1.84570312e-01,  1.02050781e-01,  1.16577148e-02, -1.90429688e-01,
         1.70898438e-01,  2.79541016e-02, -2.18750000e-01,  2.27539062e-01,
         8.49609375e-02,  9.27734375e-02,  1.14746094e-01, -1.99890137e-03,
         7.71484375e-02,  7.03125000e-02, -8.00781250e-02,  3.16406250e-01,
        -1.48437500e-01, -7.91015625e-02,  2.30468750e-01,  2.14843750e-01,
         3.68652344e-02, -2.85339355e-03, -2.09960938e-01, -6.68945312e-02,
        -2.19726562e-02,  1.08398438e-01, -2.69531250e-01,  7.42187500e-02,
         1.15234375e-01, -1.25732422e-02,  2.37304688e-01,  5.02929688e-02,
        -7.37304688e-02, -5.34667969e-02,  1.73828125e-01,  1.40625000e-01,
        -4.54101562e-02,  4.93164062e-02,  9.39941406e-03,  2.84423828e-02,
        -1.86523438e-01, -8.88671875e-02,  2.12890625e-01,  1.02539062e-01,
         1.81640625e-01,  1.30859375e-01, -1.27929688e-01,  6.98242188e-02,
         1.12792969e-01, -5.49316406e-02,  2.14843750e-01, -6.25610352e-03,
        -2.01171875e-01, -6.07910156e-02,  1.44531250e-01, -2.31933594e-02,
         2.31445312e-01, -2.80761719e-02, -1.74804688e-01,  8.39843750e-02,
         1.78222656e-02, -1.41601562e-01,  1.24023438e-01,  1.88476562e-01,
         4.85839844e-02, -1.63085938e-01,  1.05468750e-01, -6.59179688e-02,
         6.34765625e-02,  2.63671875e-01,  7.17773438e-02, -2.23388672e-02,
        -6.71386719e-03,  1.53320312e-01,  4.63867188e-02, -1.72851562e-01,
        -2.16796875e-01, -6.24656677e-05, -1.07421875e-01, -9.13085938e-02,
         8.15429688e-02,  6.10351562e-02,  8.64257812e-02, -4.27246094e-02,
        -7.44628906e-03,  5.51757812e-02,  7.27539062e-02, -2.02148438e-01,
         2.79296875e-01,  3.12805176e-03, -1.21582031e-01, -1.53320312e-01,
```

```
        -1.75781250e-01,  4.29687500e-02,  6.25000000e-02, -2.36816406e-02,
         1.19628906e-01, -3.34472656e-02, -2.12890625e-01,  5.00488281e-02,
        -2.34375000e-01, -7.95898438e-02, -4.63867188e-02,  1.73828125e-01,
        -4.18090820e-03,  1.18164062e-01, -6.29882812e-02,  1.29882812e-01,
        -1.84570312e-01,  5.41992188e-02, -2.08007812e-01, -9.32617188e-02,
         5.73730469e-02,  5.15747070e-03, -2.85156250e-01, -6.39648438e-02,
        -2.89062500e-01, -5.10253906e-02, -1.37695312e-01, -7.76367188e-02,
        -8.34960938e-02, -1.40380859e-02,  1.62109375e-01,  1.07421875e-01,
        -5.15136719e-02, -2.29492188e-01,  2.13867188e-01,  3.56445312e-02,
         1.30004883e-02, -2.27539062e-01, -1.38549805e-02,  1.40625000e-01,
        -4.98046875e-02,  1.10839844e-01, -1.29882812e-01, -3.76892090e-03,
        -9.76562500e-02,  1.54296875e-01, -2.50000000e-01,  6.83593750e-02,
        -3.44238281e-02, -3.20312500e-01,  2.06054688e-01,  2.50000000e-01,
        -1.11816406e-01, -5.49316406e-02,  6.16455078e-03, -1.31225586e-02,
        -3.02734375e-01,  1.15722656e-01, -6.10351562e-02, -1.40625000e-01,
         2.19726562e-01, -1.44531250e-01, -1.36718750e-01,  5.98144531e-02,
         3.44238281e-02, -1.24023438e-01,  1.89453125e-01, -9.82666016e-03,
        -6.83593750e-02, -8.54492188e-02,  5.66406250e-02, -6.20117188e-02,
        -6.29882812e-02, -6.64062500e-02, -9.47265625e-02,  7.76367188e-02,
         1.16699219e-01,  1.00097656e-01, -1.05957031e-01, -6.07910156e-02,
        -1.08886719e-01, -2.63671875e-01, -1.47460938e-01, -1.92382812e-01,
         9.37500000e-02,  6.29882812e-02, -2.11914062e-01, -7.61718750e-02,
         1.91406250e-01, -8.54492188e-02, -8.10546875e-02,  1.70898438e-01,
        -1.80664062e-02,  7.91015625e-02, -1.04980469e-01, -8.44726562e-02,
        -3.88671875e-01,  1.35742188e-01,  4.66918945e-03, -1.39648438e-01,
        -3.51562500e-02,  1.37695312e-01, -2.06054688e-01, -5.93261719e-02,
         1.21093750e-01, -1.15234375e-01, -8.17871094e-03, -2.28271484e-02,
        -2.61718750e-01,  1.47460938e-01,  1.58203125e-01,  1.68945312e-01,
        -2.09960938e-02, -1.40625000e-01,  2.40478516e-02, -1.57226562e-01,
         1.19140625e-01, -3.27148438e-02, -2.75390625e-01,  1.86523438e-01,
         1.01562500e-01,  1.62353516e-02, -4.76074219e-02,  9.61914062e-02,
        -1.04980469e-01, -1.53320312e-01, -7.95898438e-02, -7.17773438e-0
2],
       dtype=float32),
 'establish': array([-0.328125  ,  0.11669922, -0.21484375,  0.02355957,
0.09326172,
        -0.01843262, -0.03295898, -0.06884766,  0.00946045, -0.18457031,
        -0.16601562,  0.17871094, -0.02502441,  0.28125   , -0.06396484,
         0.11962891, -0.13769531,  0.10205078,  0.07519531,  0.06835938,
        -0.07275391,  0.11816406, -0.01757812,  0.03344727, -0.00454712,
        -0.00738525, -0.11230469,  0.0019989 , -0.00939941, -0.01696777,
         0.00836182, -0.06542969, -0.15820312, -0.08300781, -0.32226562,
        -0.03930664, -0.01879883, -0.01361084,  0.26953125,  0.16503906,
         0.03735352,  0.05664062, -0.01489258, -0.12890625, -0.05322266,
        -0.25976562, -0.01086426,  0.0859375 ,  0.06298828,  0.2265625 ,
         0.08203125,  0.08984375, -0.09472656, -0.25195312, -0.05688477,
         0.20898438, -0.28320312, -0.31445312, -0.265625  , -0.21289062,
        -0.02783203, -0.08544922, -0.02502441, -0.22167969, -0.14746094,
         0.14648438, -0.05249023,  0.16308594,  0.13476562,  0.03515625,
        -0.05737305,  0.28320312,  0.02954102, -0.02478027, -0.06640625,
        -0.35742188,  0.15136719, -0.09912109, -0.00537109,  0.265625  ,
         0.15332031, -0.24609375,  0.06787109,  0.05566406, -0.15039062,
         0.109375  , -0.16308594, -0.01855469, -0.32617188,  0.1328125 ,
         0.08886719,  0.04174805, -0.00927734, -0.31054688,  0.21777344,
        -0.00674438,  0.03271484,  0.15332031,  0.10839844, -0.04248047,
        -0.05004883, -0.06542969,  0.12597656,  0.27148438, -0.00337219,
        -0.06982422, -0.07910156, -0.01055908, -0.04272461,  0.23144531,
        -0.3203125 ,  0.11669922, -0.24511719, -0.10839844,  0.01184082,
        -0.00750732, -0.0168457 ,  0.1484375 ,  0.24804688, -0.02709961,
         0.15917969, -0.23339844, -0.01733398,  0.08447266, -0.24023438,
        -0.01904297, -0.06298828, -0.29101562,  0.08544922,  0.203125  ,
         0.2890625 , -0.13085938,  0.14257812,  0.19140625, -0.06591797,
         0.17773438,  0.05957031,  0.05932617, -0.09667969, -0.13476562,
         0.06054688,  0.25585938, -0.18652344,  0.265625  , -0.04663086,
```

```
         0.00579834, -0.375     , -0.26757812, -0.07373047,  0.07421875,
         0.13769531,  0.05908203, -0.06738281,  0.11816406,  0.20507812,
         0.05273438,  0.17089844,  0.11132812,  0.06347656,  0.03149414,
         0.10839844, -0.06347656, -0.1328125 , -0.29101562, -0.06005859,
         0.203125  ,  0.1640625 , -0.1640625 , -0.01153564, -0.03955078,
         0.10351562, -0.11181641,  0.09375   , -0.09423828,  0.31054688,
        -0.17089844,  0.29882812, -0.07861328, -0.17871094,  0.10986328,
         0.03271484, -0.125     ,  0.0625    , -0.04150391, -0.02868652,
        -0.1015625 , -0.00769043, -0.15429688, -0.10693359,  0.15332031,
        -0.27539062, -0.08251953,  0.05078125, -0.13183594, -0.06152344,
        -0.20410156,  0.22167969, -0.22753906, -0.03100586, -0.23046875,
         0.21582031,  0.01489258,  0.07519531, -0.19335938, -0.02441406,
        -0.1484375 ,  0.06225586, -0.06835938,  0.29101562, -0.12792969,
         0.11914062,  0.19824219, -0.23144531,  0.13183594, -0.25195312,
         0.08300781,  0.23046875, -0.14550781,  0.11767578, -0.15625   ,
         0.01928711, -0.16503906, -0.08251953,  0.1640625 ,  0.28515625,
        -0.01623535,  0.234375  ,  0.2421875 , -0.04663086,  0.09521484,
        -0.15917969, -0.16796875,  0.0703125 ,  0.00151825,  0.15429688,
         0.04248047,  0.01696777, -0.06982422, -0.078125  , -0.05029297,
        -0.28710938, -0.14746094,  0.03027344,  0.04956055,  0.04101562,
        -0.03088379,  0.00823975,  0.13769531,  0.05883789, -0.08154297,
        -0.09130859,  0.1640625 , -0.01794434,  0.08496094,  0.0612793 ,
         0.19335938, -0.10888672,  0.19726562, -0.18066406, -0.08789062,
         0.13574219, -0.17285156,  0.12890625,  0.05786133,  0.24707031,
        -0.08544922,  0.20996094, -0.33398438, -0.18554688, -0.16015625,
        -0.31445312,  0.04296875,  0.02893066,  0.03515625,  0.04882812,
         0.14257812, -0.26171875, -0.28320312,  0.00531006, -0.00133514,
        -0.07861328, -0.05151367,  0.03173828,  0.22460938,  0.16894531,
         0.06884766, -0.30859375,  0.00683594,  0.15332031,  0.02734375,
        -0.10839844,  0.3515625 , -0.06591797,  0.02954102, -0.34375   ,
        -0.1875    ,  0.08300781,  0.11376953,  0.04052734, -0.20996094],
       dtype=float32),
 'baseline': array([-2.53906250e-02, -2.59765625e-01,  7.95898438e-02,  1.3
9648438e-01,
        -1.39648438e-01, -2.65625000e-01,  1.63085938e-01,  1.16210938e-01,
         1.56250000e-01,  2.53906250e-02, -1.87500000e-01, -2.41210938e-01,
         2.73437500e-01,  1.44531250e-01, -1.97265625e-01, -9.61914062e-02,
         2.77099609e-02, -1.22680664e-02, -7.66754150e-04, -9.81445312e-02,
        -1.89453125e-01,  3.75000000e-01, -1.83593750e-01,  2.73437500e-01,
         7.37304688e-02, -1.59179688e-01, -5.58593750e-01,  1.36718750e-01,
        -1.95312500e-02, -1.44531250e-01, -1.98242188e-01, -3.12500000e-01,
        -3.66210938e-02, -1.17187500e-01, -6.01562500e-01, -8.88671875e-02,
        -3.43750000e-01,  7.32421875e-02, -5.07812500e-02, -6.34765625e-02,
         1.15234375e-01, -8.30078125e-02,  2.74658203e-02, -8.39843750e-02,
        -6.64062500e-02, -1.78222656e-02,  7.61718750e-02,  1.22070312e-01,
         2.21679688e-01,  4.07714844e-02, -9.76562500e-02, -1.25000000e-01,
        -4.62890625e-01, -7.12890625e-02, -1.16699219e-01,  2.26562500e-01,
        -6.78710938e-02, -9.61914062e-02,  3.08837891e-02,  1.12304688e-01,
        -1.22070312e-01, -8.10546875e-02, -1.32812500e-01, -1.27929688e-01,
         2.81250000e-01,  4.21875000e-01,  4.06250000e-01,  2.07031250e-01,
         1.89453125e-01, -1.95312500e-01, -2.77343750e-01, -2.50000000e-01,
         2.21679688e-01, -2.42187500e-01, -3.53515625e-01, -2.11914062e-01,
         2.51953125e-01,  1.66992188e-01, -9.37500000e-02,  3.43750000e-01,
         1.57470703e-02,  1.47460938e-01, -1.83593750e-01, -1.54296875e-01,
         2.55859375e-01,  2.32421875e-01,  1.25000000e-01,  2.14843750e-01,
         4.88281250e-01, -1.44531250e-01, -2.48046875e-01, -9.42382812e-02,
        -8.49609375e-02,  2.35595703e-02, -2.16064453e-02,  1.64062500e-01,
         3.14941406e-02, -3.94531250e-01, -2.98828125e-01, -9.32617188e-02,
         1.84570312e-01,  2.11181641e-02,  1.25976562e-01,  1.50390625e-01,
         1.24511719e-01, -1.48437500e-01, -1.31835938e-01,  6.98242188e-02,
         7.95898438e-02,  1.96289062e-01,  9.76562500e-03, -8.44726562e-02,
        -2.63671875e-01,  1.12792969e-01,  1.49414062e-01,  2.79296875e-01,
        -2.50244141e-02,  1.28906250e-01, -1.28906250e-01, -8.16345215e-04,
        -1.94335938e-01, -4.44335938e-02, -2.40234375e-01, -8.39843750e-02,
```

```
         4.31640625e-01,  4.00390625e-02,  1.01562500e-01,  9.13085938e-02,
         9.17968750e-02, -9.76562500e-02, -1.11816406e-01, -1.51367188e-01,
        -2.06054688e-01,  2.06298828e-02, -2.71484375e-01, -1.45507812e-01,
         5.07812500e-01,  5.81054688e-02, -2.85156250e-01,  1.15234375e-01,
        -3.39843750e-01,  1.20605469e-01, -7.86132812e-02,  4.41894531e-02,
        -9.86328125e-02, -2.19726562e-02, -2.83203125e-02, -4.49218750e-02,
        -7.32421875e-02,  3.49121094e-02,  1.30859375e-01,  3.33984375e-01,
        -4.17968750e-01,  5.82031250e-01,  4.85839844e-02,  2.16796875e-01,
         1.75781250e-02,  5.27954102e-03,  5.07812500e-02, -5.71289062e-02,
        -3.28125000e-01,  3.96484375e-01,  2.23632812e-01, -8.93554688e-02,
        -3.73535156e-02,  1.48437500e-01,  3.41796875e-02, -8.78906250e-02,
        -8.10546875e-02, -1.61132812e-02,  8.98437500e-02,  2.08740234e-02,
         1.11816406e-01,  2.26562500e-01,  5.17578125e-02, -3.24218750e-01,
         1.51367188e-01, -1.35742188e-01,  9.96093750e-02, -5.73730469e-02,
        -1.84570312e-01,  7.81250000e-02,  5.24902344e-03,  2.38281250e-01,
         3.02124023e-03, -1.34765625e-01,  9.37500000e-02, -2.88085938e-02,
         1.03515625e-01, -3.11279297e-02, -2.67333984e-02, -3.14453125e-01,
         3.51562500e-01, -2.45117188e-01,  5.53131104e-04,  1.01562500e-01,
         2.50000000e-01, -1.23046875e-01,  3.22265625e-02, -1.90429688e-01,
        -3.55468750e-01,  3.02734375e-01, -1.56250000e-01, -1.62109375e-01,
         1.40625000e-01,  2.01416016e-02,  5.07812500e-02, -2.69531250e-01,
         2.71484375e-01, -3.71093750e-02,  7.47070312e-02,  2.24609375e-01,
        -2.16796875e-01, -3.12500000e-02, -2.57568359e-02, -2.45117188e-01,
         5.49316406e-02,  1.67968750e-01,  1.81640625e-01, -1.69677734e-02,
        -2.38281250e-01,  3.41796875e-02,  7.61718750e-02, -4.92187500e-01,
        -3.58886719e-02,  1.15234375e-01,  1.07421875e-01,  4.12109375e-01,
         4.02343750e-01,  2.21679688e-01,  2.51464844e-02,  1.60156250e-01,
         1.87500000e-01, -3.16406250e-01,  1.84570312e-01, -1.29882812e-01,
        -1.35742188e-01,  1.15722656e-01,  4.07714844e-02,  7.03125000e-02,
        -1.93359375e-01,  3.27148438e-02,  3.24218750e-01, -6.22558594e-02,
        -1.65039062e-01,  1.76757812e-01, -2.20703125e-01,  7.17773438e-02,
         3.83300781e-02,  1.22070312e-01,  1.50390625e-01,  5.39550781e-02,
        -2.20703125e-01, -1.25000000e-01, -7.66601562e-02, -1.76757812e-01,
         9.46044922e-03, -2.49023438e-02, -1.52343750e-01, -1.85546875e-01,
         1.62109375e-01,  1.22070312e-01, -2.15820312e-01, -4.35546875e-01,
        -9.76562500e-02, -2.05078125e-02, -1.34765625e-01,  2.00195312e-01,
         1.02050781e-01, -6.44531250e-02,  6.98242188e-02,  1.61132812e-01,
        -1.52343750e-01, -1.78710938e-01, -4.97436523e-03,  2.85156250e-01,
        -2.08007812e-01, -9.27734375e-02,  1.66992188e-01,  2.57812500e-01,
         5.41992188e-02,  3.17382812e-02, -6.64062500e-02, -3.78906250e-01,
        -1.08886719e-01, -1.73828125e-01,  1.03027344e-01, -2.20703125e-01,
         2.77099609e-02,  1.47460938e-01, -1.78710938e-01,  4.04296875e-01,
        -1.55273438e-01, -1.55029297e-02,  1.13281250e-01, -7.03125000e-02,
         2.25830078e-03,  2.85156250e-01,  1.56250000e-01, -2.16064453e-0
2],
       dtype=float32),
 'programmatic': array([ 2.30712891e-02, -1.32812500e-01, -3.29589844e-03,
3.37890625e-01,
        -2.33398438e-01, -2.98828125e-01,  1.04003906e-01,  3.08593750e-01,
         1.29882812e-01, -2.51953125e-01, -2.71484375e-01,  3.22265625e-02,
        -1.44531250e-01,  3.39843750e-01, -1.22680664e-02, -5.88378906e-02,
        -1.56250000e-01, -5.98144531e-02, -6.28662109e-03, -4.71191406e-02,
        -2.49023438e-01,  8.74023438e-02,  5.98144531e-02,  1.42578125e-01,
        -1.79687500e-01, -1.86523438e-01,  1.50390625e-01, -2.13623047e-03,
        -2.33398438e-01, -2.08984375e-01, -8.30078125e-02, -2.09960938e-01,
        -6.29882812e-02, -3.36914062e-02, -4.98046875e-02, -3.04687500e-01,
         5.34667969e-02,  2.03857422e-02,  1.97265625e-01, -2.25585938e-01,
         9.03320312e-02,  2.98828125e-01,  1.56250000e-01,  3.08593750e-01,
        -3.03649902e-03, -1.63085938e-01,  5.66406250e-02, -2.79296875e-01,
         1.47460938e-01,  8.34960938e-02, -4.85839844e-02, -6.07910156e-02,
        -2.23632812e-01, -8.00781250e-02, -1.10839844e-01,  1.09375000e-01,
         1.04370117e-02, -2.77343750e-01,  7.08007812e-02, -1.65039062e-01,
        -1.94335938e-01,  9.66796875e-02,  3.43750000e-01, -1.66015625e-01,
         1.04492188e-01, -6.64062500e-02,  1.80664062e-01,  1.69921875e-01,
```

```
         1.22070312e-01, -3.80859375e-02, -5.24902344e-02, -1.83593750e-01,
        -1.38671875e-01, -1.66015625e-01, -1.58203125e-01,  1.28784180e-02,
         1.67968750e-01, -6.83593750e-02, -1.19140625e-01,  8.10546875e-02,
         4.58984375e-02,  1.59179688e-01, -2.23388672e-02,  6.64062500e-02,
         7.47070312e-02, -1.46484375e-01,  4.05273438e-02, -4.19921875e-02,
         4.68750000e-02,  1.77734375e-01, -1.28906250e-01, -3.67187500e-01,
         8.20312500e-02, -4.07714844e-02,  1.98242188e-01,  7.86132812e-02,
         8.20312500e-02,  9.91210938e-02, -2.43164062e-01,  9.76562500e-02,
        -1.10351562e-01,  1.31835938e-01, -1.41601562e-01, -9.71679688e-02,
        -1.25000000e-01, -1.13769531e-01,  1.64062500e-01,  5.88378906e-02,
        -1.51367188e-01, -4.45556641e-03, -3.43750000e-01, -6.20117188e-02,
        -1.28906250e-01,  9.42382812e-02,  8.69140625e-02,  2.41210938e-01,
         4.24804688e-02, -2.25585938e-01,  5.07812500e-01, -2.44140625e-03,
        -2.43164062e-01, -1.84570312e-01, -6.49414062e-02,  1.40625000e-01,
         8.78906250e-02, -9.57031250e-02, -3.10058594e-02,  3.71093750e-01,
        -1.28906250e-01, -3.03955078e-02,  9.94873047e-03, -2.10937500e-01,
        -5.83496094e-02,  8.49609375e-02, -3.14331055e-03, -1.58203125e-01,
        -9.37500000e-02, -1.92871094e-02,  1.91406250e-01,  5.63964844e-02,
        -3.88183594e-02, -6.59179688e-02, -2.43164062e-01,  1.40625000e-01,
        -1.31225586e-02,  8.83789062e-02, -1.78710938e-01,  2.57812500e-01,
        -9.76562500e-02,  4.07714844e-02,  5.46875000e-02, -2.39257812e-01,
         6.54296875e-02,  2.21679688e-01,  5.37109375e-02, -1.62109375e-01,
        -3.63769531e-02,  3.32031250e-02, -1.08886719e-01, -3.54003906e-02,
        -1.05957031e-01, -9.27734375e-03, -2.12890625e-01,  3.59375000e-01,
        -1.24511719e-01, -6.68945312e-02,  6.83593750e-02,  2.40478516e-02,
        -1.66992188e-01,  9.57031250e-02, -4.71191406e-02, -2.42919922e-02,
        -9.08970833e-07, -1.39648438e-01,  2.07031250e-01, -6.59179688e-02,
        -1.69921875e-01, -1.05957031e-01, -3.43750000e-01, -1.69677734e-02,
        -2.51953125e-01, -5.22460938e-02, -2.21252441e-03,  8.15429688e-02,
        -1.87500000e-01,  1.99218750e-01,  8.64257812e-02,  5.21850586e-03,
         6.93359375e-02,  8.49609375e-02, -1.01074219e-01, -2.71484375e-01,
         2.01171875e-01, -9.96093750e-02, -4.94140625e-01, -2.06298828e-02,
         4.05273438e-02, -2.69531250e-01,  1.10351562e-01, -5.39550781e-02,
        -9.82666016e-03,  2.19726562e-01, -1.21582031e-01, -5.88378906e-02,
         3.78417969e-03,  5.83496094e-02, -6.73828125e-02, -1.31835938e-01,
         6.83593750e-02,  2.55126953e-02,  1.99218750e-01, -2.09960938e-02,
         4.34570312e-02,  6.49414062e-02, -2.53906250e-01, -4.19921875e-01,
         1.34765625e-01,  3.20312500e-01, -3.36914062e-02,  1.77734375e-01,
        -1.08886719e-01,  1.61132812e-01,  8.93554688e-02,  2.65625000e-01,
         6.15234375e-02, -1.80664062e-01,  1.51367188e-01,  2.73437500e-01,
         2.94921875e-01,  2.73437500e-01,  3.05175781e-02,  3.78417969e-02,
        -1.92382812e-01, -1.13281250e-01, -3.34472656e-02, -2.00195312e-02,
        -3.19824219e-02,  6.17675781e-02,  1.37695312e-01, -5.27343750e-02,
        -1.87988281e-02,  1.15722656e-01, -9.21630859e-03,  1.28906250e-01,
        -9.91210938e-02, -3.69140625e-01, -4.41894531e-02,  5.90820312e-02,
        -2.20703125e-01,  9.96093750e-02, -4.42504883e-03,  2.13867188e-01,
        -3.30078125e-01,  8.10546875e-02,  1.48437500e-01, -5.31250000e-01,
        -9.47265625e-02,  5.32226562e-02, -6.44531250e-02,  2.66113281e-02,
         1.22558594e-01, -3.24707031e-02, -1.20117188e-01, -2.13867188e-01,
        -2.53906250e-01,  2.19726562e-01, -6.59179688e-02, -1.16699219e-01,
        -4.78515625e-01,  2.09960938e-02,  6.83593750e-02,  1.55273438e-01,
        -2.83203125e-02,  7.86132812e-02, -1.54296875e-01,  6.29882812e-02,
        -6.25610352e-03, -2.63671875e-01, -2.35595703e-02,  1.31835938e-01,
        -2.37304688e-01, -1.77001953e-02,  5.63964844e-02, -6.07910156e-02,
        -1.68945312e-01,  2.94921875e-01,  3.06640625e-01, -1.94091797e-02,
         4.98046875e-02, -1.24023438e-01, -2.85156250e-01, -5.93261719e-02,
        -1.98974609e-02,  1.50390625e-01, -7.17773438e-02,  2.13867188e-01,
         1.97265625e-01,  1.63085938e-01,  4.29687500e-02,  1.28906250e-0
1],
       dtype=float32),
 'efficacy': array([-4.68750000e-02,  4.43359375e-01, -1.86767578e-02, -9.2
2851562e-02,
         1.06445312e-01,  6.54296875e-02,  1.66992188e-01, -3.14453125e-01,
         1.48437500e-01,  2.50000000e-01, -1.86523438e-01, -3.39843750e-01,
```

```
 3.39355469e-02,  2.49023438e-01, -2.94921875e-01,  3.67187500e-01,
-6.54296875e-02, -2.58789062e-02, -1.77001953e-02, -7.42187500e-02,
 3.34472656e-02,  8.30078125e-02, -4.23828125e-01,  4.57031250e-01,
-3.20312500e-01, -3.10546875e-01, -1.68945312e-01,  3.41796875e-02,
-1.71875000e-01,  1.32812500e-01,  1.03515625e-01, -1.04003906e-01,
-4.23828125e-01, -1.48437500e-01, -4.53125000e-01,  2.11914062e-01,
 6.95800781e-03,  2.96875000e-01, -1.89971924e-03, -2.79296875e-01,
 3.17382812e-02,  1.53320312e-01, -7.42187500e-02,  4.08203125e-01,
-3.12500000e-01, -2.77343750e-01, -4.83398438e-02, -1.48437500e-01,
 4.00390625e-02, -4.44335938e-02, -1.46484375e-01,  2.95410156e-02,
-1.85546875e-01, -4.66796875e-01,  3.55468750e-01, -1.74804688e-01,
-1.23046875e-01,  7.69042969e-03,  2.22656250e-01, -2.18750000e-01,
-7.56835938e-02,  8.59375000e-02,  7.37304688e-02, -1.37695312e-01,
-2.03125000e-01, -2.28515625e-01, -1.77734375e-01,  2.38281250e-01,
-9.66796875e-02, -1.70898438e-01, -1.83593750e-01, -6.34765625e-02,
-6.62231445e-03,  8.00781250e-02, -1.37695312e-01, -2.44140625e-01,
-4.66308594e-02, -2.16796875e-01,  2.51953125e-01,  6.17187500e-01,
-3.45703125e-01,  3.41796875e-02, -1.19628906e-01,  1.31225586e-02,
-5.61523438e-02,  1.91406250e-01,  3.32031250e-02,  9.37500000e-02,
-1.60156250e-01,  1.11816406e-01,  5.32226562e-02, -2.03125000e-01,
 1.78710938e-01,  1.62109375e-01,  2.22656250e-01, -1.78710938e-01,
 2.01416016e-02, -6.34765625e-02,  7.61718750e-02,  3.12500000e-02,
 3.35937500e-01,  1.10351562e-01,  3.43750000e-01, -7.95898438e-02,
 2.19726562e-01, -2.32421875e-01, -4.68750000e-01,  4.74609375e-01,
 4.19921875e-01,  2.94189453e-02,  7.95898438e-02,  2.87109375e-01,
-2.99072266e-02,  5.44433594e-02, -4.19921875e-02, -2.50000000e-01,
-2.38281250e-01, -3.04687500e-01,  2.57812500e-01, -1.57226562e-01,
 3.97949219e-02,  2.79235840e-03, -2.06054688e-01, -1.38671875e-01,
 4.31640625e-01,  3.82812500e-01, -2.01171875e-01,  9.42382812e-02,
 3.71093750e-02, -3.39355469e-02, -1.09375000e-01,  5.15136719e-02,
 5.05371094e-02, -4.23828125e-01, -2.08007812e-01, -1.00585938e-01,
 3.16406250e-01, -6.15234375e-02,  5.35156250e-01,  5.17578125e-02,
 1.19140625e-01,  1.65039062e-01,  8.30078125e-02,  3.43750000e-01,
 1.95312500e-01, -1.24023438e-01, -5.02929688e-02, -4.34570312e-02,
 2.39257812e-01, -3.86718750e-01,  6.34765625e-02, -4.17968750e-01,
 5.15136719e-02,  9.96093750e-02,  1.62109375e-01, -3.35937500e-01,
-3.32031250e-01, -3.43750000e-01, -5.34057617e-04,  9.17968750e-02,
-3.02734375e-01,  1.83593750e-01,  6.54296875e-02,  1.20117188e-01,
-3.37890625e-01, -1.33789062e-01, -3.02734375e-01,  2.44140625e-01,
 1.44042969e-02,  9.32617188e-02,  1.70898438e-01, -2.44140625e-01,
-1.59179688e-01,  3.75976562e-02,  8.85009766e-03, -2.45117188e-01,
-2.08984375e-01, -2.15820312e-01, -1.14746094e-01,  1.50390625e-01,
-1.72851562e-01,  1.76757812e-01,  1.05590820e-02, -3.00781250e-01,
-1.28906250e-01, -3.43750000e-01, -1.72851562e-01, -4.33593750e-01,
 3.05175781e-02,  1.72851562e-01, -1.90429688e-01, -5.76782227e-03,
-1.05468750e-01,  7.37304688e-02,  1.05468750e-01, -1.10839844e-01,
 5.15625000e-01,  6.98242188e-02,  2.77343750e-01, -5.66406250e-02,
-1.27929688e-01, -1.14746094e-01,  1.92382812e-01, -2.69775391e-02,
 2.11181641e-02, -2.16796875e-01,  1.79687500e-01, -2.92968750e-02,
-2.40234375e-01,  7.12890625e-02, -1.38671875e-01, -3.49121094e-02,
-2.31445312e-01,  5.15136719e-02, -1.98974609e-02, -2.51953125e-01,
 2.40234375e-01, -5.20019531e-02, -1.41601562e-01,  3.43750000e-01,
-3.61328125e-01,  3.90625000e-01,  2.87109375e-01,  1.78222656e-02,
 2.00195312e-01,  1.77734375e-01,  9.57031250e-02, -2.31445312e-01,
-3.14941406e-02,  8.00781250e-02, -1.97265625e-01,  4.94140625e-01,
 2.03125000e-01, -6.83593750e-02, -2.79296875e-01, -1.68945312e-01,
-7.17773438e-02,  3.45703125e-01, -2.53906250e-01, -2.27539062e-01,
 8.74023438e-02, -2.17773438e-01,  3.41796875e-01,  9.37500000e-02,
-3.06640625e-01,  1.35742188e-01, -1.49414062e-01, -2.03857422e-02,
-3.00781250e-01, -2.04101562e-01, -1.42578125e-01, -1.03027344e-01,
-5.00488281e-02, -3.75976562e-02,  4.32128906e-02, -7.71484375e-02,
 2.79296875e-01, -1.21093750e-01,  1.27929688e-01, -2.23632812e-01,
 2.77343750e-01, -3.32031250e-02, -8.10546875e-02, -5.68847656e-02,
-1.62109375e-01,  2.13867188e-01,  1.68945312e-01, -3.73046875e-01,
```

```
        -2.53906250e-01, -2.65625000e-01, -8.78906250e-02,  2.15820312e-01,
        -9.03320312e-02,  7.42187500e-02,  1.39648438e-01,  1.37695312e-01,
        -2.39257812e-01, -1.66015625e-01,  6.93359375e-02,  7.51953125e-02,
         9.52148438e-02,  2.57812500e-01,  1.88476562e-01, -4.83398438e-02,
        -2.87109375e-01, -3.55468750e-01,  5.66406250e-02, -5.56640625e-02,
         1.16699219e-01,  9.22851562e-02, -1.37695312e-01,  1.16210938e-01,
         1.49414062e-01,  2.50000000e-01, -6.05468750e-02,  2.25585938e-01,
         1.67236328e-02, -1.68457031e-02,  1.30859375e-01, -6.44531250e-0
2],
       dtype=float32),
 'consumer': array([ 0.16015625,  0.0703125 , -0.19140625,  0.19628906,  0.
0546875 ,
         0.07373047, -0.00393677,  0.00866699,  0.19140625, -0.15039062,
        -0.24511719,  0.09521484, -0.03588867, -0.24511719, -0.3125    ,
        -0.00527954,  0.35742188,  0.02368164, -0.18359375,  0.140625  ,
         0.07861328,  0.20410156,  0.03686523,  0.0390625 ,  0.03320312,
         0.05249023,  0.04785156,  0.203125  ,  0.19824219,  0.0534668 ,
        -0.12597656, -0.01257324, -0.18847656,  0.07421875, -0.04199219,
         0.0045166 ,  0.10693359,  0.15039062,  0.10498047,  0.11816406,
        -0.34570312,  0.12792969,  0.25      ,  0.19335938, -0.27734375,
         0.00689697,  0.29296875,  0.32617188,  0.09960938,  0.20117188,
         0.36914062,  0.07910156, -0.05175781,  0.05639648,  0.32226562,
         0.20898438, -0.18457031, -0.06005859,  0.22851562, -0.17871094,
        -0.3125    ,  0.05664062, -0.4375    ,  0.328125  , -0.07226562,
        -0.0300293 , -0.296875  ,  0.12597656,  0.12304688, -0.09814453,
         0.04370117, -0.27539062,  0.18261719, -0.04467773, -0.16601562,
         0.04711914,  0.23144531,  0.21679688,  0.0201416 , -0.00382996,
         0.11376953,  0.07275391,  0.12158203, -0.06738281,  0.07861328,
        -0.06982422, -0.08935547,  0.25585938, -0.16503906,  0.09228516,
         0.24121094, -0.28125   , -0.03295898, -0.06542969, -0.07519531,
        -0.328125  ,  0.08837891,  0.12597656,  0.11230469,  0.09277344,
         0.30273438, -0.0189209 ,  0.03686523, -0.02966309,  0.20605469,
        -0.15332031, -0.18945312,  0.20214844,  0.19238281, -0.2890625 ,
        -0.15234375, -0.29492188, -0.02514648,  0.0279541 ,  0.22363281,
         0.04492188, -0.23730469,  0.15039062,  0.28710938,  0.14355469,
         0.05029297,  0.17480469, -0.21582031,  0.23925781,  0.23144531,
        -0.03930664,  0.03393555,  0.078125  , -0.15917969,  0.00778198,
        -0.18261719,  0.16210938, -0.04150391, -0.07617188, -0.09228516,
         0.203125  ,  0.17285156, -0.09228516,  0.07177734, -0.23535156,
        -0.12255859, -0.21386719, -0.27148438,  0.08349609,  0.11669922,
        -0.23828125,  0.29492188,  0.24316406, -0.21386719, -0.14746094,
         0.01806641, -0.05175781, -0.28320312,  0.05322266, -0.18261719,
         0.01257324, -0.30664062, -0.21289062,  0.07910156, -0.0456543 ,
        -0.35546875, -0.265625  , -0.09521484, -0.00482178, -0.07763672,
         0.01867676, -0.14257812,  0.20898438,  0.11376953, -0.13476562,
        -0.25195312, -0.125     ,  0.14257812,  0.06689453, -0.27148438,
        -0.1484375 ,  0.17871094, -0.10839844, -0.00274658, -0.12207031,
        -0.11279297, -0.18261719, -0.10595703, -0.36132812, -0.01647949,
         0.00442505, -0.13378906,  0.14941406, -0.015625  ,  0.13476562,
        -0.19921875, -0.03637695, -0.25195312, -0.10693359, -0.02380371,
         0.00210571,  0.13476562, -0.15234375, -0.00939941, -0.18359375,
        -0.265625  , -0.15917969,  0.05566406,  0.24121094, -0.0144043 ,
        -0.00671387,  0.03662109, -0.15039062, -0.13867188, -0.23339844,
        -0.09912109, -0.08740234,  0.06152344,  0.03271484, -0.05200195,
         0.03222656,  0.23242188,  0.11132812, -0.16210938,  0.30078125,
         0.08105469, -0.25195312,  0.05029297, -0.03930664, -0.19335938,
         0.08642578,  0.17871094, -0.296875  ,  0.02307129,  0.01470947,
        -0.33984375,  0.12890625,  0.04321289, -0.02355957, -0.04907227,
         0.19042969,  0.1640625 ,  0.12207031, -0.04467773,  0.08886719,
         0.12792969, -0.06738281,  0.07714844,  0.04101562,  0.23632812,
         0.17871094, -0.20703125, -0.00084305, -0.23535156, -0.2890625 ,
        -0.15332031, -0.00588989, -0.16503906, -0.37109375, -0.2578125 ,
        -0.06396484, -0.05615234, -0.23828125,  0.16601562, -0.21582031,
        -0.17578125, -0.31445312,  0.1484375 , -0.0703125 , -0.18359375,
```

```
         0.03930664, -0.39453125, -0.19238281, -0.02075195,  0.19335938,
        -0.02929688,  0.19335938, -0.12353516, -0.203125  , -0.13085938,
         0.03125   , -0.0625    , -0.11230469,  0.19140625, -0.00561523,
        -0.1796875 , -0.18066406,  0.34375   , -0.00701904, -0.05249023,
         0.09326172, -0.04711914,  0.09716797,  0.14746094,  0.26367188,
        -0.08447266, -0.04516602, -0.14941406, -0.04663086,  0.04174805,
         0.15234375,  0.265625  ,  0.10839844,  0.28125   ,  0.04296875],
       dtype=float32),
 'analyze': array([-0.22753906, -0.10449219,  0.14550781, -0.08447266, -0.0
859375 ,
         0.00738525,  0.00115204, -0.06933594,  0.18164062, -0.29296875,
        -0.24511719, -0.046875  ,  0.0559082 ,  0.328125  , -0.07324219,
         0.11816406, -0.23046875,  0.36132812, -0.00515747, -0.19726562,
        -0.08496094,  0.02172852, -0.2109375 ,  0.16503906, -0.04150391,
        -0.140625  ,  0.05151367, -0.03710938, -0.11523438,  0.01464844,
        -0.05737305,  0.09375   , -0.07958984, -0.03881836, -0.265625  ,
         0.0279541 , -0.35546875, -0.19140625,  0.19824219,  0.04614258,
         0.00933838,  0.00631714,  0.23144531,  0.00994873, -0.06591797,
        -0.11816406, -0.18359375, -0.2265625 ,  0.08203125,  0.20117188,
        -0.03198242, -0.08935547, -0.14550781, -0.25585938, -0.515625  ,
         0.11083984,  0.02746582, -0.4453125 ,  0.19140625,  0.05810547,
         0.0612793 , -0.13183594, -0.02990723, -0.1328125 ,  0.234375  ,
         0.14355469,  0.01977539,  0.34375   ,  0.16601562, -0.29882812,
         0.06347656, -0.08349609,  0.32226562, -0.25195312, -0.09326172,
        -0.16308594,  0.15527344,  0.16015625, -0.11865234,  0.10107422,
         0.06298828,  0.07177734,  0.02355957,  0.140625  ,  0.1875    ,
        -0.18164062, -0.08007812,  0.26953125, -0.390625  ,  0.32421875,
         0.06884766, -0.11035156, -0.16796875,  0.09179688, -0.11474609,
        -0.04931641,  0.02526855,  0.04443359,  0.19726562,  0.10888672,
         0.22265625, -0.11376953,  0.16699219, -0.08300781,  0.01000977,
         0.23046875,  0.03930664,  0.0625    ,  0.07568359, -0.1171875 ,
        -0.12597656, -0.12695312, -0.06689453, -0.3671875 ,  0.32421875,
         0.02246094,  0.03442383, -0.08691406,  0.23925781,  0.14550781,
        -0.25390625, -0.02416992, -0.16113281, -0.10058594,  0.05517578,
        -0.19433594, -0.19335938, -0.14453125, -0.21875   ,  0.17089844,
         0.04052734, -0.09863281, -0.04443359,  0.04077148,  0.31054688,
        -0.14257812,  0.16992188,  0.08935547,  0.15234375, -0.05664062,
         0.16113281,  0.00585938, -0.26171875,  0.15429688,  0.03808594,
         0.00714111,  0.02526855, -0.10253906,  0.07373047,  0.17285156,
        -0.09570312, -0.00253296, -0.20800781,  0.26367188,  0.24707031,
         0.06982422,  0.10302734,  0.09326172, -0.22460938, -0.05419922,
         0.07910156, -0.06005859, -0.15039062, -0.13867188,  0.109375  ,
         0.12158203,  0.29492188, -0.1640625 ,  0.12597656,  0.18847656,
        -0.04223633,  0.20410156,  0.00363159,  0.328125  ,  0.265625  ,
         0.03466797,  0.18652344, -0.11230469, -0.24023438, -0.10205078,
         0.03759766,  0.01660156,  0.171875  , -0.10986328,  0.07421875,
        -0.03442383, -0.20117188,  0.21484375, -0.10791016,  0.10205078,
        -0.16015625, -0.01147461,  0.06396484, -0.17578125,  0.00897217,
        -0.06738281,  0.49023438, -0.2890625 , -0.09423828,  0.00592041,
         0.0201416 ,  0.21777344, -0.19433594,  0.1484375 , -0.05810547,
        -0.08837891, -0.08642578,  0.0480957 ,  0.15429688, -0.26367188,
         0.08154297,  0.14550781, -0.10205078, -0.05102539, -0.359375  ,
         0.01855469,  0.25585938, -0.00273132,  0.10595703, -0.15234375,
        -0.06176758,  0.04370117, -0.24511719, -0.18066406,  0.03930664,
        -0.17773438,  0.04077148, -0.02893066,  0.0234375 ,  0.03417969,
         0.18457031, -0.19921875, -0.04516602, -0.20800781,  0.16601562,
        -0.20800781, -0.07910156, -0.12695312, -0.0222168 , -0.04931641,
        -0.24316406,  0.11083984, -0.08447266,  0.21289062, -0.33789062,
        -0.05419922, -0.10253906,  0.234375  , -0.1171875 , -0.18359375,
        -0.04760742,  0.09667969, -0.05224609,  0.0279541 , -0.15429688,
         0.07080078, -0.00393677,  0.03393555, -0.01177979, -0.30664062,
        -0.09667969, -0.00640869, -0.14941406, -0.05322266,  0.07275391,
        -0.07373047,  0.04052734,  0.08789062, -0.18359375,  0.09765625,
         0.13574219,  0.31445312, -0.05664062,  0.20019531,  0.03955078,
```

```
         0.02282715, -0.2109375 , -0.08154297, -0.02001953, -0.13476562,
        -0.27734375, -0.05151367,  0.12792969,  0.05932617, -0.10546875,
        -0.11621094, -0.16210938,  0.3203125 ,  0.16503906,  0.06689453,
         0.04882812,  0.3125    , -0.01623535,  0.16015625, -0.18554688,
        -0.12402344,  0.140625  , -0.09863281, -0.09277344, -0.05957031],
       dtype=float32),
 'frequent': array([-0.05932617,  0.06176758, -0.36523438,  0.14648438, -0.
2578125 ,
         0.14160156,  0.04077148,  0.19433594,  0.27148438,  0.22753906,
        -0.01977539,  0.03125   ,  0.19824219,  0.390625  ,  0.06005859,
        -0.13964844, -0.12792969, -0.0378418 , -0.04858398,  0.03125   ,
        -0.09228516,  0.0546875 , -0.15429688,  0.24414062, -0.28320312,
        -0.20117188, -0.10009766, -0.02563477, -0.08496094, -0.12060547,
        -0.02941895, -0.3671875 , -0.0088501 , -0.16601562, -0.21679688,
        -0.29882812,  0.10351562,  0.10791016,  0.13671875, -0.20996094,
         0.17675781, -0.10253906,  0.15429688, -0.05883789, -0.0145874 ,
        -0.12304688, -0.12988281, -0.01989746, -0.13867188, -0.31835938,
        -0.07421875,  0.05541992, -0.2734375 ,  0.125     , -0.02941895,
         0.3203125 ,  0.09082031, -0.10742188,  0.19921875, -0.10791016,
        -0.06933594, -0.08007812, -0.11669922,  0.16113281, -0.03540039,
         0.18945312, -0.19433594, -0.04663086, -0.30078125, -0.04614258,
         0.20605469,  0.09277344, -0.01037598,  0.15039062, -0.43554688,
        -0.0090332 , -0.2890625 ,  0.3671875 ,  0.01904297,  0.28125   ,
        -0.05615234,  0.04589844,  0.20703125, -0.13867188, -0.24511719,
        -0.16308594, -0.15039062,  0.02783203,  0.10009766, -0.01251221,
        -0.01306152, -0.20703125, -0.28125   , -0.18359375, -0.14355469,
         0.05786133, -0.07861328,  0.02709961,  0.00854492,  0.03393555,
        -0.04003906, -0.04931641, -0.13378906, -0.12060547,  0.11962891,
         0.06884766,  0.07373047,  0.15527344,  0.11083984, -0.23828125,
        -0.07324219, -0.30078125,  0.13378906, -0.18457031,  0.17578125,
        -0.1171875 ,  0.19042969, -0.12304688,  0.34179688,  0.05737305,
        -0.20507812,  0.16308594,  0.11474609,  0.13769531,  0.12597656,
         0.03564453,  0.02978516, -0.15136719, -0.00848389,  0.04711914,
        -0.0625    , -0.37304688, -0.00442505,  0.21386719, -0.03735352,
        -0.26953125,  0.17382812,  0.06298828, -0.02392578,  0.23632812,
        -0.00126648, -0.00817871,  0.07275391,  0.11669922,  0.15136719,
        -0.23925781,  0.09423828,  0.02709961,  0.02746582,  0.05126953,
         0.01275635,  0.08837891,  0.00372314, -0.18847656, -0.18066406,
        -0.33984375,  0.07177734,  0.16015625,  0.10449219, -0.11816406,
         0.22167969,  0.15527344, -0.09863281,  0.02722168,  0.1328125 ,
         0.34960938, -0.02868652, -0.33789062,  0.20117188, -0.24023438,
        -0.04858398,  0.0018158 , -0.00933838, -0.13867188, -0.22363281,
        -0.09423828, -0.29882812, -0.23828125, -0.09570312,  0.0625    ,
         0.12109375, -0.06176758,  0.04003906,  0.02722168,  0.12988281,
         0.16503906,  0.25195312, -0.14453125, -0.01293945,  0.02856445,
         0.07714844, -0.16894531,  0.11083984, -0.15722656, -0.14550781,
        -0.12890625, -0.16796875, -0.05126953, -0.27929688, -0.04589844,
         0.12158203,  0.20605469,  0.06787109, -0.13671875,  0.23828125,
        -0.11621094,  0.03125   ,  0.0246582 ,  0.03515625,  0.02148438,
        -0.23046875, -0.10742188,  0.00521851,  0.125     ,  0.17773438,
        -0.30664062, -0.05737305,  0.19433594, -0.13769531,  0.0267334 ,
         0.16113281,  0.15722656,  0.00836182,  0.06982422,  0.14355469,
         0.0546875 ,  0.29492188,  0.21289062,  0.12353516, -0.13183594,
         0.03955078,  0.10546875,  0.07763672,  0.16308594,  0.16015625,
         0.03198242,  0.07128906, -0.26367188, -0.16894531,  0.04492188,
        -0.0625    , -0.21191406, -0.00778198, -0.17382812,  0.22363281,
         0.12597656,  0.08984375,  0.0324707 , -0.01226807, -0.17480469,
         0.01184082,  0.13183594,  0.21289062, -0.15234375,  0.01696777,
        -0.01196289,  0.03442383,  0.06494141, -0.16308594, -0.01696777,
         0.14160156,  0.19433594,  0.09179688,  0.02368164,  0.16894531,
        -0.13476562, -0.29492188,  0.01831055,  0.09082031, -0.08984375,
         0.00558472,  0.14160156, -0.19433594,  0.11767578, -0.10644531,
        -0.20996094, -0.31445312, -0.04736328,  0.19628906, -0.27539062,
         0.12890625,  0.06030273,  0.22949219, -0.1640625 , -0.02929688,
```

```
         0.19628906, -0.08886719,  0.05419922,  0.01141357, -0.06982422,
         0.03515625, -0.09619141,  0.1875    , -0.15820312, -0.04296875,
        -0.05297852, -0.03881836,  0.06591797,  0.12695312,  0.01599121],
       dtype=float32),
 'basis': array([-3.05175781e-02, -1.82617188e-01, -1.24511719e-02,  1.7773
4375e-01,
        -3.58886719e-02,  7.08007812e-02,  3.26171875e-01, -8.74023438e-02,
         1.88476562e-01,  1.52343750e-01,  1.03515625e-01, -7.75146484e-03,
         1.46484375e-01,  8.25195312e-02, -1.94335938e-01,  7.01904297e-03,
         9.37500000e-02, -1.33789062e-01,  1.74804688e-01, -1.38671875e-01,
        -2.22656250e-01, -1.54296875e-01, -2.63671875e-02, -4.76074219e-02,
         2.45361328e-02, -7.61718750e-02, -1.61132812e-01,  8.10546875e-02,
        -8.74023438e-02,  9.37500000e-02, -3.41796875e-02, -4.84375000e-01,
         7.01904297e-03,  2.27539062e-01, -5.46875000e-02,  1.71875000e-01,
        -8.69140625e-02,  1.35742188e-01,  1.88476562e-01, -8.59375000e-02,
         4.63867188e-02, -1.59179688e-01,  1.14746094e-01,  8.05664062e-02,
         1.79687500e-01, -2.02148438e-01,  1.59179688e-01,  7.08007812e-02,
         2.31933594e-02,  4.34570312e-02,  2.22656250e-01,  3.93676758e-03,
        -1.66992188e-01,  1.57226562e-01, -9.61914062e-02, -3.34472656e-02,
        -3.22265625e-02, -8.83789062e-02, -3.63769531e-02, -1.66015625e-01,
        -9.61914062e-02, -1.45507812e-01, -5.68847656e-02, -1.63574219e-02,
         2.59765625e-01, -2.96630859e-02, -2.34375000e-01,  1.39648438e-01,
         8.98437500e-02, -9.76562500e-02, -4.17480469e-02, -2.50000000e-01,
         2.10937500e-01,  1.18164062e-01,  6.83593750e-02, -3.37890625e-01,
         1.46484375e-01,  1.44958496e-03,  9.76562500e-02,  6.73828125e-02,
        -6.54296875e-02, -1.58203125e-01,  8.66699219e-03,  8.78906250e-02,
         3.22265625e-01, -2.08984375e-01, -1.17187500e-01,  9.03320312e-02,
         4.73632812e-02,  8.30078125e-02, -1.75781250e-02, -9.22851562e-02,
         5.00488281e-02, -3.83300781e-02,  1.79687500e-01, -6.44531250e-02,
        -1.16210938e-01, -1.13525391e-02,  1.13281250e-01, -1.05957031e-01,
         2.79296875e-01, -2.57812500e-01, -2.23388672e-02,  2.87109375e-01,
         6.59179688e-02, -8.44726562e-02, -1.67968750e-01, -1.00097656e-01,
        -5.17578125e-02,  1.18164062e-01, -6.29882812e-02, -2.12890625e-01,
        -2.31445312e-01, -3.21960449e-03,  3.46374512e-03, -4.37011719e-02,
        -1.52343750e-01, -1.21093750e-01,  3.14453125e-01,  2.94921875e-01,
         7.27539062e-02, -7.08007812e-02, -2.26562500e-01,  1.90429688e-02,
        -7.03125000e-02, -5.98144531e-02,  1.74804688e-01,  1.16577148e-02,
         1.22070312e-01, -1.79443359e-02,  1.39648438e-01, -3.90625000e-01,
        -5.15747070e-03, -1.69921875e-01, -1.40625000e-01,  6.54296875e-02,
        -3.08837891e-02,  1.48437500e-01,  9.22851562e-02, -2.11181641e-02,
        -1.19018555e-02, -3.00598145e-03,  2.14843750e-01,  2.23632812e-01,
        -5.61523438e-02,  4.27246094e-02, -7.51953125e-02, -2.55859375e-01,
        -5.17578125e-02,  3.33984375e-01, -9.66796875e-02,  1.04492188e-01,
        -1.01562500e-01, -8.69140625e-02,  1.24023438e-01,  1.63574219e-02,
        -8.25195312e-02, -1.20239258e-02, -2.45117188e-01, -5.68847656e-02,
         3.06640625e-01,  9.42382812e-02, -6.03027344e-02,  1.35742188e-01,
         8.96453857e-04,  2.17773438e-01, -1.00585938e-01, -1.68609619e-03,
        -1.00097656e-01, -3.71093750e-02, -1.27929688e-01, -1.58691406e-02,
         1.19628906e-01,  1.88476562e-01, -5.02929688e-02, -1.53320312e-01,
        -1.70898438e-01, -3.55468750e-01,  7.41577148e-03,  1.64062500e-01,
        -2.59765625e-01, -2.26562500e-01,  1.88476562e-01,  7.61718750e-02,
         1.09375000e-01,  8.25195312e-02, -1.56250000e-01,  3.08593750e-01,
         3.10546875e-01,  1.25000000e-01, -5.24902344e-02, -2.14843750e-02,
        -4.90722656e-02,  8.36181641e-03, -1.86767578e-02, -2.83203125e-01,
        -2.29492188e-01,  1.56250000e-01, -1.52343750e-01, -1.24511719e-01,
        -7.47070312e-02,  3.46679688e-02,  1.70898438e-02,  3.12500000e-02,
        -9.61914062e-02, -4.02832031e-02, -1.89453125e-01, -1.42822266e-02,
        -2.80761719e-02, -1.56250000e-01,  5.83496094e-02,  1.66015625e-02,
        -1.47460938e-01,  2.02636719e-02, -7.51953125e-02, -2.67578125e-01,
         1.77734375e-01,  1.86523438e-01,  1.09863281e-01,  2.38037109e-02,
        -1.28906250e-01,  6.05468750e-01, -9.82666016e-03, -4.10156250e-02,
         8.64257812e-02,  8.78906250e-02,  9.71679688e-02,  2.41210938e-01,
         2.65625000e-01,  5.41992188e-02, -8.10546875e-02, -2.79296875e-01,
         2.20703125e-01, -5.05371094e-02,  8.98437500e-02, -1.92382812e-01,
```

```
        -4.78515625e-02,  1.39648438e-01,  7.08007812e-02,  2.20703125e-01,
         2.52685547e-02,  1.41601562e-01,  1.50390625e-01,  1.39648438e-01,
        -7.71484375e-02,  2.83203125e-01, -1.15722656e-01, -1.58691406e-02,
        -2.30468750e-01, -4.78515625e-02,  1.61132812e-01, -2.19726562e-01,
        -1.52343750e-01,  9.47265625e-02,  1.51367188e-01,  8.00781250e-02,
        -3.85284424e-04, -1.01318359e-02,  6.64062500e-02, -1.46484375e-01,
         9.37500000e-02,  2.06054688e-01, -6.54296875e-02, -6.04248047e-03,
        -6.78710938e-02,  1.50390625e-01,  1.89453125e-01, -1.55273438e-01,
        -6.17675781e-02, -1.20605469e-01,  4.93164062e-02,  9.27734375e-02,
         4.37011719e-02,  4.80468750e-01,  3.18359375e-01,  4.85839844e-02,
        -2.26562500e-01,  1.55273438e-01,  1.03515625e-01,  3.14941406e-02,
        -2.45117188e-01, -1.37695312e-01,  2.63671875e-01,  3.65234375e-01,
         3.97949219e-02, -3.06640625e-01, -5.49316406e-02,  1.30859375e-01,
         1.44653320e-02,  2.55859375e-01,  1.47705078e-02,  1.75781250e-01,
         1.14746094e-01,  9.47265625e-02,  9.27734375e-02,  1.53320312e-01,
        -1.19628906e-01,  1.06933594e-01, -1.10839844e-01, -2.79296875e-0
1],
       dtype=float32),
 'guide': array([ 0.03833008, -0.02294922, -0.13867188, -0.26367188,  0.002
79236,
        -0.01867676, -0.08886719, -0.07275391, -0.02746582, -0.3359375 ,
         0.18261719,  0.07568359,  0.20898438,  0.08203125, -0.00152588,
         0.06640625, -0.00238037,  0.13183594, -0.16796875, -0.32226562,
         0.47460938,  0.18359375, -0.21777344,  0.12890625, -0.03125   ,
         0.08447266, -0.13378906,  0.29882812,  0.05859375, -0.23925781,
         0.11230469, -0.09228516, -0.35351562,  0.25195312, -0.07666016,
        -0.01159668, -0.20117188, -0.10742188,  0.35546875, -0.1875    ,
         0.00546265, -0.07177734, -0.06640625,  0.07470703,  0.07861328,
        -0.24121094,  0.00527954, -0.16503906,  0.04711914,  0.08642578,
        -0.22363281,  0.18359375,  0.11816406, -0.07226562, -0.01171875,
        -0.04101562, -0.05273438, -0.50390625, -0.00221252, -0.01074219,
        -0.203125  , -0.0177002 ,  0.05639648,  0.125     ,  0.01495361,
        -0.15625   , -0.05981445, -0.02978516,  0.13769531, -0.01464844,
        -0.02197266,  0.15917969,  0.10644531, -0.21679688,  0.09033203,
        -0.10791016, -0.11230469,  0.33007812, -0.08105469,  0.04248047,
         0.24609375, -0.12109375, -0.05664062, -0.14550781,  0.20703125,
         0.24804688, -0.21289062, -0.2109375 ,  0.13867188,  0.04101562,
         0.265625  , -0.06445312, -0.15234375,  0.06787109,  0.14746094,
        -0.12988281, -0.01104736, -0.15820312, -0.11181641, -0.046875  ,
        -0.04125977,  0.13867188, -0.03173828,  0.11816406, -0.10449219,
         0.05517578, -0.26953125, -0.11279297, -0.09667969, -0.15625   ,
        -0.01977539,  0.04614258, -0.03063965, -0.12988281,  0.10693359,
        -0.03039551, -0.0324707 ,  0.07421875,  0.06689453, -0.01477051,
        -0.16894531,  0.14160156, -0.02905273, -0.03198242,  0.14453125,
         0.10839844, -0.18652344, -0.28515625,  0.10449219,  0.28710938,
        -0.2109375 , -0.15136719, -0.13085938,  0.10205078,  0.13085938,
         0.20214844, -0.14648438,  0.12060547,  0.08447266,  0.19238281,
         0.09619141,  0.14355469, -0.25585938,  0.18945312, -0.0009613 ,
        -0.07470703, -0.04516602, -0.22363281,  0.12011719, -0.10351562,
        -0.25976562, -0.12060547, -0.27539062,  0.09619141,  0.03149414,
        -0.07275391, -0.00115204,  0.04345703, -0.2421875 , -0.01904297,
         0.16015625,  0.10742188,  0.125     , -0.13671875,  0.15429688,
         0.03076172,  0.16796875, -0.05151367, -0.15429688, -0.23339844,
        -0.0612793 ,  0.07421875,  0.10009766, -0.14160156,  0.04638672,
         0.26757812,  0.10791016, -0.11865234, -0.10205078,  0.03735352,
        -0.31445312, -0.34765625,  0.00787354, -0.0267334 , -0.20019531,
        -0.10351562, -0.25195312,  0.03735352,  0.12597656, -0.04956055,
         0.05322266, -0.06835938,  0.125     ,  0.05541992, -0.24511719,
        -0.13769531, -0.19726562, -0.21582031, -0.19628906, -0.26171875,
        -0.08984375,  0.078125  , -0.32617188,  0.203125  , -0.17578125,
        -0.15917969, -0.02539062, -0.17285156,  0.03295898,  0.00159454,
        -0.03979492,  0.18847656, -0.02978516, -0.04907227,  0.07275391,
         0.01470947,  0.3359375 ,  0.08740234,  0.06005859, -0.15527344,
         0.07519531, -0.07714844,  0.06738281, -0.18164062, -0.05908203,
```

```
        -0.16699219,  0.25585938,  0.06835938,  0.00325012, -0.16210938,
        -0.02197266, -0.18164062,  0.11376953,  0.01391602,  0.10595703,
         0.20605469,  0.14550781,  0.078125  , -0.08886719, -0.05737305,
         0.08203125, -0.18652344,  0.00823975, -0.06225586,  0.02441406,
        -0.125     , -0.16796875,  0.01098633, -0.0300293 ,  0.06640625,
         0.14453125,  0.03088379, -0.02770996,  0.00153351,  0.08691406,
        -0.05078125, -0.26367188, -0.07421875, -0.19335938, -0.13574219,
        -0.03588867,  0.05395508,  0.10498047,  0.04345703,  0.03540039,
         0.09765625,  0.13085938, -0.07714844,  0.08056641, -0.31054688,
         0.22363281,  0.12451172, -0.00289917,  0.19628906,  0.09912109,
         0.03979492,  0.07470703, -0.11279297,  0.01831055, -0.06982422,
         0.27539062, -0.06494141,  0.10644531,  0.24609375,  0.04980469,
         0.14746094, -0.52734375,  0.13378906,  0.14453125,  0.20507812,
         0.02282715, -0.07226562,  0.09619141, -0.11962891, -0.01434326,
        -0.05322266, -0.08447266, -0.05004883,  0.171875  ,  0.15332031],
       dtype=float32),
 'plan': array([ 0.07861328,  0.09814453,  0.16894531,  0.08349609, -0.0283
2031,
        -0.10546875,  0.0559082 ,  0.04370117, -0.01446533, -0.24804688,
        -0.12792969, -0.00799561,  0.04199219, -0.30859375, -0.18261719,
         0.17773438,  0.04516602, -0.08740234, -0.02087402, -0.09521484,
         0.03857422,  0.21875   ,  0.0402832 , -0.03833008, -0.10498047,
         0.20214844,  0.10742188,  0.16894531, -0.00878906,  0.10791016,
         0.10449219, -0.02636719, -0.10546875, -0.19824219,  0.06298828,
         0.11669922,  0.30273438,  0.04150391,  0.0456543 , -0.0017395 ,
        -0.01043701,  0.04736328,  0.04296875,  0.04663086, -0.25976562,
        -0.28710938,  0.05175781, -0.26757812, -0.2109375 ,  0.07763672,
        -0.08349609,  0.12255859, -0.1171875 ,  0.21289062,  0.03662109,
        -0.12597656, -0.18652344, -0.03613281,  0.12988281,  0.09423828,
         0.01989746,  0.13378906, -0.18554688, -0.05029297,  0.20214844,
        -0.05810547,  0.11230469,  0.13476562, -0.02282715, -0.06982422,
        -0.13085938,  0.09912109,  0.16015625,  0.06689453,  0.02331543,
        -0.13964844, -0.05566406,  0.08740234, -0.18652344,  0.03173828,
         0.24804688, -0.08398438, -0.09863281,  0.17382812,  0.19335938,
        -0.01733398, -0.08203125,  0.22070312,  0.25      , -0.04077148,
         0.14257812, -0.06445312, -0.12988281, -0.16210938, -0.04248047,
        -0.05932617, -0.13964844, -0.3125    , -0.08642578,  0.11376953,
        -0.01721191, -0.01477051, -0.03088379,  0.09912109, -0.02563477,
         0.00595093,  0.09472656, -0.27734375,  0.05078125,  0.09912109,
         0.15722656,  0.03088379,  0.08886719, -0.03735352,  0.11914062,
         0.21875   , -0.01733398, -0.1953125 , -0.06738281,  0.10595703,
         0.00151062, -0.03125   ,  0.08789062,  0.15917969,  0.18066406,
        -0.06787109,  0.08544922, -0.32617188, -0.05322266,  0.00952148,
        -0.08349609,  0.05761719,  0.00066757, -0.234375  ,  0.03417969,
         0.10058594, -0.08203125,  0.09960938, -0.0291748 ,  0.2734375 ,
         0.01513672, -0.09375   ,  0.12353516, -0.13476562,  0.08984375,
        -0.203125  , -0.16015625,  0.00497437, -0.12060547,  0.17285156,
         0.0703125 , -0.00854492,  0.04443359,  0.08251953,  0.03564453,
        -0.14648438,  0.15332031,  0.140625  , -0.10546875,  0.11767578,
         0.05395508,  0.03540039,  0.15429688,  0.02893066, -0.109375  ,
         0.01831055,  0.32421875,  0.01116943,  0.23339844, -0.2890625 ,
         0.01867676, -0.03369141, -0.11474609,  0.05029297,  0.23632812,
         0.00872803,  0.20214844,  0.04077148, -0.03808594,  0.05908203,
        -0.30273438, -0.26757812, -0.11474609,  0.16308594,  0.03930664,
        -0.23535156,  0.10107422,  0.01263428,  0.12207031,  0.08349609,
        -0.13476562, -0.14355469,  0.12353516,  0.06982422, -0.3828125 ,
        -0.06738281,  0.05932617,  0.10205078,  0.18554688, -0.109375  ,
         0.04394531,  0.05444336,  0.10253906,  0.0135498 ,  0.16015625,
         0.1875    ,  0.10400391, -0.10742188,  0.21875   , -0.13085938,
        -0.17089844,  0.13085938, -0.12451172,  0.06933594,  0.03417969,
         0.01953125, -0.04614258,  0.11132812, -0.09277344,  0.04980469,
         0.00370789, -0.07470703,  0.06494141,  0.0072937 ,  0.07861328,
        -0.14550781,  0.01855469,  0.05932617,  0.07861328,  0.12304688,
         0.04589844, -0.01513672,  0.24414062, -0.05102539,  0.16210938,
```

```
         0.14648438,  0.140625  , -0.06982422,  0.21777344, -0.11962891,
        -0.00274658, -0.00744629, -0.03857422, -0.16015625,  0.08203125,
         0.06445312,  0.22070312,  0.14941406,  0.0625    ,  0.09277344,
        -0.1953125 ,  0.22070312,  0.04345703, -0.04541016,  0.00860596,
        -0.03808594, -0.01818848,  0.10595703, -0.25390625, -0.08398438,
         0.11376953,  0.00485229, -0.2578125 ,  0.0625    , -0.07470703,
         0.35742188, -0.17382812, -0.0090332 , -0.34765625,  0.10449219,
         0.14550781,  0.16210938,  0.17480469,  0.08837891,  0.00741577,
        -0.10595703,  0.16015625, -0.03369141, -0.03808594, -0.07275391,
        -0.12109375,  0.08496094,  0.0189209 ,  0.15527344, -0.00325012,
        -0.05517578, -0.0625    ,  0.10791016,  0.37695312,  0.01586914,
        -0.30273438,  0.04248047,  0.05541992, -0.18945312, -0.15136719,
         0.05566406, -0.04833984, -0.28515625, -0.04589844, -0.11572266],
       dtype=float32),
 'focus': array([ 7.71484375e-02,  1.60156250e-01,  7.08007812e-02,  1.0986
3281e-02,
        -1.68945312e-01,  5.66406250e-02,  2.48046875e-01, -2.65625000e-01,
         1.49536133e-02, -1.79443359e-02, -2.83203125e-02,  1.09863281e-01,
         1.87500000e-01,  1.53320312e-01,  8.69140625e-02, -8.98437500e-02,
        -2.42919922e-02,  1.68945312e-01,  2.12890625e-01, -1.17675781e-01,
         4.49218750e-02,  5.71289062e-02,  4.00390625e-02,  4.04296875e-01,
        -7.76367188e-02, -3.68652344e-02,  3.84765625e-01, -1.38671875e-01,
         1.24511719e-01, -8.59375000e-02,  1.47460938e-01, -9.32617188e-02,
         2.94189453e-02, -7.56835938e-02,  6.98242188e-02,  9.27734375e-02,
        -7.08007812e-02,  1.19628906e-01,  2.63671875e-01, -2.42233276e-04,
         1.33789062e-01,  2.23632812e-01, -1.23535156e-01,  1.29882812e-01,
         7.87353516e-03, -2.98828125e-01,  1.54296875e-01, -8.88671875e-02,
         8.44726562e-02,  9.81445312e-02,  1.66015625e-01, -1.19628906e-01,
        -4.51660156e-03, -4.90722656e-02,  1.04980469e-01, -2.44140625e-02,
        -4.22363281e-02, -1.11328125e-01,  1.12792969e-01, -2.67578125e-01,
        -1.27929688e-01, -6.88476562e-02, -1.29882812e-01,  1.68945312e-01,
         2.46093750e-01, -4.91333008e-03, -1.92382812e-01,  1.31835938e-01,
         4.66308594e-02,  6.54296875e-02, -1.95312500e-01, -1.00097656e-01,
         3.22265625e-01,  1.86523438e-01, -2.99072266e-03, -9.22851562e-02,
         2.19726562e-01,  2.55859375e-01, -6.12792969e-02,  5.61523438e-02,
         7.37304688e-02,  6.49414062e-02,  3.06640625e-01,  2.20947266e-02,
        -6.95800781e-03, -2.83203125e-01,  1.35742188e-01, -5.15136719e-02,
         6.98242188e-02,  1.30859375e-01,  2.50000000e-01, -1.93359375e-01,
         8.64257812e-02,  1.38671875e-01,  1.55639648e-02, -6.29882812e-02,
        -9.71679688e-02, -7.22656250e-02, -2.71484375e-01, -2.24609375e-02,
        -1.31835938e-01, -1.19628906e-01,  1.99218750e-01,  9.27734375e-02,
         1.31225586e-02, -5.00000000e-01, -6.88476562e-02, -8.74023438e-02,
         1.44531250e-01, -7.27539062e-02, -4.83398438e-02, -1.48437500e-01,
        -2.81982422e-02, -8.10546875e-02,  5.27343750e-02, -5.49316406e-02,
        -7.91015625e-02, -1.94335938e-01,  2.15820312e-01,  1.04980469e-01,
        -1.93359375e-01, -1.50390625e-01, -1.01074219e-01,  2.03125000e-01,
        -1.64062500e-01, -1.96289062e-01, -9.91210938e-02,  9.17968750e-02,
        -6.17675781e-02, -1.80664062e-02,  1.06933594e-01, -3.20312500e-01,
         4.88281250e-03, -2.67333984e-02,  1.48437500e-01,  2.74658203e-02,
         1.57226562e-01,  1.22070312e-01,  1.51977539e-02, -6.73828125e-02,
         1.97265625e-01, -1.63085938e-01,  1.06933594e-01, -1.42578125e-01,
        -9.03320312e-02, -1.84570312e-01, -7.91015625e-02,  7.95898438e-02,
        -1.62353516e-02, -3.93066406e-02, -1.71875000e-01,  8.98437500e-02,
         1.47705078e-02,  7.03125000e-02, -4.10156250e-01, -4.71191406e-02,
         2.68554688e-02, -2.89062500e-01, -8.59375000e-02,  1.67968750e-01,
         6.22558594e-02,  1.04492188e-01,  1.21093750e-01, -1.12792969e-01,
         1.62109375e-01,  1.00097656e-01,  5.18798828e-03, -8.74023438e-02,
         1.13281250e-01, -1.12792969e-01,  6.83593750e-02, -1.31835938e-01,
        -1.04980469e-01, -1.28906250e-01, -1.43432617e-02, -1.66015625e-01,
         1.76757812e-01, -2.53906250e-01, -1.00585938e-01, -1.66015625e-01,
        -4.49218750e-01, -8.00781250e-02,  2.11914062e-01,  2.44140625e-01,
        -2.35351562e-01,  7.71484375e-02, -9.27734375e-02,  3.29589844e-02,
         1.71875000e-01,  6.93359375e-02, -4.41894531e-02, -1.81640625e-01,
         7.66601562e-02,  6.44531250e-02, -3.14453125e-01, -8.93554688e-02,
```

```
         7.86132812e-02,  1.98242188e-01,  1.27929688e-01,  1.19140625e-01,
         1.22070312e-01,  3.39355469e-02, -1.59179688e-01, -2.57812500e-01,
        -2.00195312e-01,  2.12402344e-02, -1.13281250e-01, -1.37695312e-01,
         2.07519531e-02, -1.47460938e-01, -3.11279297e-02,  3.32031250e-02,
        -1.46484375e-02, -7.04956055e-03,  2.19726562e-01, -3.20312500e-01,
         7.37304688e-02,  2.88085938e-02,  7.08007812e-02, -1.46484375e-01,
        -2.26562500e-01,  2.18750000e-01, -2.34375000e-01,  1.63085938e-01,
        -6.68945312e-02, -2.41210938e-01, -5.49316406e-02,  1.46484375e-01,
         5.88378906e-02,  1.50390625e-01, -1.35742188e-01, -1.14257812e-01,
        -7.32421875e-02,  1.21093750e-01, -5.81054688e-02, -1.44531250e-01,
        -3.04687500e-01, -2.02636719e-02, -1.63085938e-01, -5.41992188e-02,
        -1.43554688e-01,  2.65625000e-01, -9.66796875e-02,  5.49316406e-02,
         6.12792969e-02,  1.56250000e-02,  7.91015625e-02,  2.07031250e-01,
         5.10253906e-02, -2.23632812e-01, -1.68945312e-01,  1.67968750e-01,
        -6.54296875e-02,  2.24609375e-02, -1.34765625e-01,  1.79687500e-01,
        -8.49609375e-02,  3.07617188e-02, -1.37695312e-01, -5.70678711e-03,
         5.21850586e-03, -9.52148438e-02,  7.03125000e-02,  8.36181641e-03,
         5.07812500e-02,  1.20605469e-01, -9.27734375e-02, -1.40625000e-01,
        -3.37890625e-01, -7.03125000e-02, -1.84570312e-01,  2.30468750e-01,
         6.44531250e-02,  1.79687500e-01,  1.23046875e-01, -5.41992188e-02,
        -2.46093750e-01, -1.99218750e-01, -3.14453125e-01, -1.75781250e-01,
         5.22460938e-02, -2.01171875e-01,  1.45507812e-01,  1.56250000e-01,
        -1.73828125e-01,  1.38671875e-01, -1.87500000e-01,  2.28515625e-01,
         1.58203125e-01, -6.93359375e-02, -8.34960938e-02,  2.03125000e-01,
        -1.64062500e-01, -7.22656250e-02,  6.15234375e-02, -3.10546875e-01,
         2.11914062e-01,  1.45507812e-01,  1.87500000e-01, -1.36718750e-0
1],
       dtype=float32),
 'antecedent': array([ 0.25195312, -0.21582031,  0.08544922,  0.30273438, -
0.13574219,
         0.20703125,  0.01574707,  0.07861328,  0.26171875,  0.13867188,
        -0.00823975,  0.0201416 ,  0.01348877,  0.17382812,  0.02258301,
         0.27539062,  0.125     ,  0.0625    ,  0.01373291, -0.1953125 ,
        -0.05712891, -0.19433594, -0.09912109,  0.03015137,  0.11914062,
        -0.2578125 ,  0.05737305,  0.12988281, -0.19238281, -0.03173828,
        -0.03710938, -0.23632812, -0.08740234,  0.25390625, -0.10449219,
         0.39453125,  0.36328125, -0.02807617,  0.20117188,  0.05810547,
         0.12158203,  0.09375   , -0.00915527,  0.23730469,  0.11425781,
         0.04150391, -0.13183594, -0.07373047, -0.06396484, -0.33789062,
        -0.23535156, -0.22363281, -0.171875  , -0.3046875 ,  0.13085938,
         0.3046875 , -0.453125  , -0.23046875, -0.02758789, -0.11816406,
        -0.01721191,  0.22558594,  0.00172424, -0.20800781, -0.30273438,
        -0.11865234, -0.34960938,  0.3125    , -0.27734375, -0.38476562,
         0.31054688, -0.15820312,  0.14355469, -0.03271484, -0.07275391,
        -0.14355469,  0.20605469, -0.13867188,  0.07910156,  0.03637695,
         0.00117493, -0.0402832 , -0.03588867, -0.32421875, -0.0378418 ,
         0.10791016,  0.04223633,  0.07470703,  0.10546875,  0.15625   ,
         0.06689453, -0.19042969,  0.09521484,  0.04736328,  0.16796875,
         0.02807617,  0.06103516,  0.19238281, -0.10791016, -0.03466797,
        -0.14746094,  0.16601562, -0.09570312, -0.10058594, -0.12988281,
        -0.21972656,  0.04492188,  0.00787354, -0.05908203, -0.02124023,
        -0.31835938,  0.078125  , -0.00891113,  0.04541016,  0.27148438,
         0.22949219, -0.01318359,  0.26757812,  0.04223633,  0.27539062,
        -0.1484375 , -0.13769531,  0.02526855, -0.3671875 ,  0.02233887,
         0.36328125, -0.09472656,  0.09033203,  0.06396484,  0.15332031,
        -0.20410156, -0.14453125,  0.02124023,  0.15722656, -0.07128906,
        -0.17578125, -0.11181641, -0.04736328,  0.0213623 ,  0.11865234,
         0.02539062,  0.125     , -0.12060547,  0.31640625,  0.11767578,
        -0.08740234, -0.23144531,  0.27148438, -0.0234375 , -0.01556396,
         0.04516602, -0.03686523, -0.19433594, -0.01062012, -0.06738281,
        -0.29492188, -0.18847656,  0.11230469,  0.31640625, -0.38867188,
         0.10595703, -0.15917969, -0.12988281, -0.18164062,  0.05249023,
         0.18554688,  0.00891113,  0.14453125, -0.09326172,  0.33203125,
         0.18261719,  0.1953125 ,  0.1796875 , -0.29101562,  0.03735352,
```

```
        -0.16210938,  0.23828125, -0.4296875 ,  0.32226562, -0.03588867,
        -0.08056641, -0.08056641,  0.12988281, -0.12304688,  0.07373047,
         0.18554688, -0.13574219, -0.09228516, -0.07324219,  0.30859375,
        -0.13769531, -0.06542969, -0.01257324, -0.06347656,  0.16894531,
         0.09960938, -0.13476562, -0.01940918,  0.16992188, -0.10791016,
         0.09179688,  0.32617188, -0.22949219,  0.11767578,  0.015625  ,
        -0.11181641, -0.109375  ,  0.04223633,  0.13671875, -0.05517578,
         0.08447266,  0.12451172,  0.10791016,  0.07226562, -0.21875   ,
        -0.18261719,  0.09863281, -0.13476562, -0.02697754,  0.140625  ,
        -0.00267029,  0.19335938,  0.27734375,  0.12695312,  0.21875   ,
         0.22460938,  0.17089844,  0.09521484, -0.07958984,  0.18066406,
         0.02990723, -0.04736328, -0.35351562,  0.01989746,  0.08007812,
        -0.0456543 ,  0.02368164, -0.01171875, -0.04174805, -0.10449219,
         0.02160645, -0.43945312,  0.15429688,  0.09033203, -0.08105469,
        -0.03540039, -0.0144043 ,  0.234375  ,  0.03588867, -0.04370117,
         0.16503906,  0.0456543 , -0.07373047,  0.02355957, -0.05786133,
        -0.18554688, -0.12988281,  0.265625  ,  0.01574707,  0.0390625 ,
         0.02209473, -0.02709961, -0.2734375 , -0.08203125, -0.03393555,
         0.16308594,  0.05639648, -0.24511719, -0.08935547,  0.04125977,
        -0.0390625 , -0.13671875,  0.14941406,  0.3046875 ,  0.22851562,
        -0.18457031, -0.140625  ,  0.01843262,  0.05249023,  0.3828125 ,
         0.07519531, -0.04589844, -0.09179688, -0.10498047, -0.02185059,
        -0.16113281,  0.04711914,  0.05664062, -0.26367188, -0.25      ,
        -0.21875   ,  0.08544922, -0.22070312, -0.11962891,  0.05053711,
         0.02954102, -0.04174805, -0.09082031, -0.20898438,  0.09228516],
       dtype=float32),
 'reducing': array([-0.33789062,  0.10400391, -0.08886719, -0.02514648, -0.
07958984,
        -0.02905273,  0.04296875,  0.04907227,  0.23535156,  0.08349609,
        -0.09472656, -0.22558594,  0.13183594,  0.18652344, -0.08251953,
        -0.328125  , -0.2421875 ,  0.12988281, -0.16210938,  0.19628906,
         0.11669922, -0.04516602, -0.12255859, -0.07861328, -0.09912109,
         0.05517578, -0.16113281,  0.10205078, -0.20214844,  0.01940918,
         0.09179688, -0.41796875, -0.09814453, -0.03051758,  0.02429199,
        -0.15136719,  0.06689453, -0.06347656,  0.3359375 ,  0.38671875,
         0.04907227, -0.01940918, -0.00148773,  0.12890625, -0.3671875 ,
        -0.18554688,  0.15625   ,  0.15917969,  0.109375  , -0.2734375 ,
         0.16113281, -0.01202393, -0.03125   , -0.30078125,  0.04492188,
        -0.15527344, -0.38476562, -0.006073  ,  0.06396484,  0.00878906,
        -0.05249023,  0.42382812, -0.25195312, -0.19238281,  0.21484375,
         0.27929688, -0.0546875 ,  0.2890625 , -0.23828125, -0.10644531,
         0.00093842,  0.16601562, -0.09423828,  0.22167969, -0.30078125,
        -0.40234375,  0.14160156,  0.26171875, -0.21777344,  0.05004883,
         0.01635742, -0.18554688, -0.07958984, -0.11279297,  0.30664062,
        -0.00064087, -0.04907227,  0.30078125,  0.19140625,  0.10107422,
         0.140625  , -0.09814453,  0.02770996, -0.08544922, -0.10888672,
        -0.1640625 , -0.05151367,  0.0234375 , -0.04467773,  0.17675781,
        -0.1953125 , -0.17773438,  0.07666016, -0.13769531, -0.06884766,
         0.04345703,  0.09228516, -0.23535156,  0.22558594, -0.4609375 ,
         0.11962891, -0.15332031,  0.01538086,  0.14648438,  0.18847656,
         0.07470703,  0.078125  , -0.00799561,  0.14746094,  0.15429688,
         0.0055542 ,  0.33007812,  0.02868652,  0.06298828,  0.02978516,
         0.09960938, -0.27539062,  0.03015137, -0.03564453,  0.23242188,
         0.19824219,  0.03417969, -0.11132812, -0.05883789,  0.06152344,
        -0.16503906, -0.13183594, -0.15039062,  0.14941406,  0.24609375,
         0.03320312, -0.21679688, -0.07226562,  0.17871094,  0.140625  ,
        -0.07128906, -0.12109375, -0.2421875 ,  0.05493164, -0.00189209,
         0.13867188, -0.125     , -0.02099609, -0.08789062,  0.24707031,
         0.00793457,  0.14941406,  0.00646973, -0.36523438,  0.00466919,
         0.13671875,  0.01977539, -0.01818848, -0.09570312, -0.1796875 ,
         0.23046875, -0.05224609,  0.01141357,  0.11767578, -0.40039062,
        -0.04833984, -0.12158203, -0.14453125,  0.15039062, -0.04077148,
        -0.00598145,  0.20703125, -0.05786133, -0.265625  , -0.0480957 ,
        -0.16992188, -0.01013184,  0.25390625,  0.17871094,  0.06494141,
```

```
         0.19042969, -0.2890625 , -0.01672363,  0.0703125 ,  0.02770996,
        -0.30273438, -0.03344727, -0.04418945, -0.09716797, -0.19628906,
        -0.18066406,  0.08056641, -0.02111816,  0.19726562, -0.11474609,
         0.13769531, -0.08154297,  0.06298828, -0.234375  ,  0.11035156,
         0.01904297, -0.06225586,  0.07373047, -0.25585938, -0.12207031,
         0.1015625 , -0.24707031, -0.0255127 ,  0.23144531,  0.04223633,
         0.02966309, -0.06396484, -0.18261719, -0.10302734,  0.09960938,
        -0.02526855,  0.04321289,  0.28320312, -0.11621094, -0.17578125,
         0.11181641, -0.11279297, -0.09521484, -0.0045166 ,  0.11132812,
        -0.1953125 ,  0.04370117,  0.12890625, -0.02075195, -0.20996094,
        -0.25390625, -0.17382812,  0.05688477, -0.13476562, -0.18652344,
        -0.13574219,  0.09130859, -0.07324219, -0.13671875,  0.03466797,
        -0.1484375 , -0.10351562,  0.06591797, -0.0222168 , -0.140625  ,
        -0.20996094, -0.00396729, -0.04272461, -0.09277344, -0.1796875 ,
        -0.05859375,  0.1015625 ,  0.06347656, -0.01049805,  0.06542969,
         0.29296875, -0.10498047, -0.02624512, -0.15234375, -0.0018158 ,
        -0.09814453, -0.06884766, -0.02038574, -0.09228516, -0.13574219,
         0.03198242,  0.30273438, -0.08740234, -0.35742188, -0.11035156,
        -0.1484375 , -0.23730469,  0.06982422, -0.05981445, -0.02966309,
        -0.0480957 ,  0.10009766,  0.01000977, -0.29296875, -0.06347656,
         0.06396484, -0.04150391,  0.12890625,  0.19140625, -0.11425781,
        -0.23828125,  0.11865234, -0.00643921,  0.02624512, -0.35351562,
         0.20507812, -0.02734375, -0.125     , -0.04370117,  0.12792969],
       dtype=float32),
 'problematic': array([ 1.96289062e-01, -5.22460938e-02,  3.11279297e-02,
1.09375000e-01,
        -2.46093750e-01,  1.43554688e-01,  2.55859375e-01,  3.06640625e-01,
         4.27246094e-02,  7.12890625e-02,  9.13085938e-02, -2.22656250e-01,
         6.44531250e-02, -1.66015625e-02, -2.11914062e-01,  2.07031250e-01,
         2.07031250e-01, -1.33789062e-01, -9.08203125e-02, -7.91015625e-02,
         4.68750000e-02, -1.71875000e-01, -1.44531250e-01,  1.66015625e-01,
         1.19628906e-02, -1.20117188e-01, -8.78906250e-02, -8.54492188e-02,
         3.27148438e-02,  1.17187500e-01,  9.42382812e-02,  1.07421875e-01,
         2.77343750e-01, -2.20947266e-02,  1.43554688e-01, -2.63671875e-01,
         1.37695312e-01,  7.66601562e-02,  1.22070312e-01, -1.43554688e-01,
         1.98242188e-01, -4.51660156e-03, -9.52148438e-03,  9.52148438e-03,
        -2.31445312e-01,  2.42919922e-02, -7.37304688e-02, -1.11389160e-03,
        -7.95898438e-02, -3.49121094e-02, -2.13623047e-02, -2.32421875e-01,
        -1.98242188e-01, -2.63671875e-01, -3.71093750e-02,  1.19140625e-01,
         2.36328125e-01, -1.12304688e-01,  8.88671875e-02, -1.66015625e-01,
        -4.34570312e-02,  9.03320312e-02, -2.30468750e-01, -3.34472656e-02,
         4.73632812e-02, -6.54296875e-02, -1.17187500e-01,  1.03027344e-01,
        -3.24218750e-01, -2.55859375e-01,  1.08886719e-01, -9.17968750e-02,
        -6.44531250e-02, -1.19628906e-01,  1.89208984e-02,  1.73950195e-03,
         1.56250000e-01,  3.33984375e-01,  5.22460938e-02,  4.80468750e-01,
        -1.06933594e-01, -1.00585938e-01,  8.69140625e-02,  1.17675781e-01,
        -1.19140625e-01, -3.11279297e-02, -1.68945312e-01, -5.21850586e-03,
        -8.39843750e-02,  1.03027344e-01,  6.49414062e-02, -1.60156250e-01,
         1.54296875e-01, -8.64257812e-02,  6.15234375e-02, -4.90722656e-02,
         9.47265625e-02, -8.88671875e-02, -1.12792969e-01,  1.39648438e-01,
         1.06445312e-01,  2.01171875e-01, -9.13085938e-02, -1.09863281e-01,
        -1.46484375e-01, -1.45507812e-01, -2.31933594e-02, -8.88671875e-02,
         8.83789062e-02, -1.61132812e-01, -2.13623047e-02, -1.24023438e-01,
        -7.59887695e-03, -1.49414062e-01,  2.08007812e-01, -1.83593750e-01,
         2.19726562e-01, -2.97851562e-02,  1.59179688e-01,  1.38671875e-01,
        -1.74804688e-01, -3.24707031e-02,  1.25976562e-01, -1.30859375e-01,
        -3.41796875e-01, -2.30468750e-01, -7.03125000e-02,  1.26953125e-01,
        -1.66015625e-01,  7.37304688e-02, -6.54296875e-02,  1.07421875e-02,
         4.17480469e-02,  2.47070312e-01, -9.39941406e-03, -1.16699219e-01,
         1.16699219e-01, -9.70458984e-03, -1.36718750e-01,  1.76757812e-01,
         1.53320312e-01,  1.24511719e-01,  2.00195312e-01,  3.28125000e-01,
         4.90722656e-02, -2.14843750e-01, -2.09960938e-01,  1.71875000e-01,
        -2.12890625e-01, -1.23535156e-01,  1.83593750e-01,  1.39770508e-02,
        -4.83398438e-02,  1.32812500e-01, -7.95898438e-02, -9.21630859e-03,
```

```
        -1.93359375e-01, -1.67968750e-01, -1.37695312e-01, -7.56835938e-02,
        -6.29882812e-02, -5.56640625e-02,  2.26562500e-01, -1.34765625e-01,
         1.91650391e-02,  1.21093750e-01, -5.61523438e-02, -1.28906250e-01,
         3.95507812e-02, -4.51660156e-02,  2.25830078e-02,  1.72119141e-02,
        -1.90429688e-01,  4.12597656e-02,  1.24511719e-01,  1.57226562e-01,
        -3.49121094e-02, -1.66015625e-01, -1.08398438e-01,  8.69140625e-02,
        -1.01562500e-01, -1.05468750e-01, -3.12500000e-01,  2.86865234e-02,
        -3.90625000e-02,  1.99218750e-01, -1.26953125e-01,  2.51953125e-01,
        -8.93554688e-02,  1.44531250e-01,  1.34277344e-02,  1.83105469e-02,
         1.42578125e-01, -7.08007812e-02, -1.67968750e-01,  3.66210938e-02,
        -1.26953125e-01, -2.65625000e-01,  1.55273438e-01, -1.25000000e-01,
         2.85156250e-01,  3.20312500e-01, -6.07910156e-02, -2.28515625e-01,
         1.52587891e-02, -6.10351562e-02, -8.69140625e-02,  4.66308594e-02,
        -1.32812500e-01, -7.91015625e-02, -2.31933594e-02, -1.90429688e-01,
        -1.42578125e-01,  1.07421875e-01, -5.37109375e-02, -1.75781250e-01,
         1.72851562e-01, -1.44042969e-02,  8.30078125e-03,  2.50000000e-01,
        -1.58203125e-01, -6.34765625e-03, -1.39648438e-01,  1.04980469e-01,
         2.01171875e-01, -1.22070312e-01,  4.15039062e-02,  1.22558594e-01,
         6.59179688e-02,  5.63964844e-02, -7.61718750e-02,  2.26562500e-01,
        -2.39257812e-02,  1.34765625e-01,  2.97851562e-02,  6.59179688e-02,
        -1.23046875e-01, -4.72656250e-01, -1.06933594e-01,  1.19140625e-01,
         1.55273438e-01, -2.68554688e-03,  1.61132812e-01, -1.47460938e-01,
         1.14746094e-02, -7.27539062e-02, -5.44433594e-02,  2.11914062e-01,
         4.27246094e-02, -3.61328125e-02, -8.39843750e-02, -6.88476562e-02,
         2.14843750e-02,  9.37500000e-02,  8.59375000e-02, -1.50390625e-01,
         4.85839844e-02, -6.59179688e-02,  8.54492188e-02, -7.99560547e-03,
        -4.41894531e-02,  8.20312500e-02,  2.86865234e-02,  3.11279297e-02,
         2.06054688e-01, -2.12402344e-02, -9.37500000e-02, -1.23535156e-01,
        -1.52343750e-01, -7.47070312e-02,  1.28906250e-01,  1.67968750e-01,
         4.78515625e-02,  1.11328125e-01, -2.96630859e-02, -2.92968750e-01,
         4.15039062e-02, -1.87988281e-02, -2.15768814e-05,  6.98242188e-02,
        -3.34472656e-02,  2.31445312e-01,  5.12695312e-02, -8.93554688e-02,
         9.52148438e-02,  8.44726562e-02, -1.61132812e-01,  1.08032227e-02,
        -1.00097656e-01, -1.17187500e-01,  5.27343750e-02,  1.82617188e-01,
         1.44531250e-01,  3.46679688e-02, -1.20605469e-01,  2.33398438e-01,
        -1.86523438e-01, -5.83496094e-02,  1.06933594e-01,  1.73828125e-0
1],
       dtype=float32),
 'meet': array([-3.69140625e-01,  1.71875000e-01,  8.10546875e-02,  1.96533
203e-02,
        -8.98437500e-02, -2.56347656e-02,  2.97851562e-02,  1.85546875e-02,
         5.49316406e-02,  5.03540039e-03, -1.72851562e-01,  1.83593750e-01,
         1.64794922e-02, -1.11694336e-02, -1.06445312e-01,  8.69140625e-02,
         1.22680664e-02,  2.48046875e-01,  1.92382812e-01, -1.73828125e-01,
         1.56250000e-01,  1.51367188e-02, -2.91748047e-02,  2.02148438e-01,
         2.30468750e-01, -1.80664062e-02, -3.55468750e-01, -1.43554688e-01,
        -1.90429688e-02, -2.57812500e-01,  2.56347656e-02,  5.49316406e-02,
        -1.67968750e-01, -2.89306641e-02, -1.45507812e-01, -1.39648438e-01,
         1.39648438e-01, -1.44042969e-02,  2.09960938e-01,  3.33984375e-01,
        -8.88671875e-02,  1.03027344e-01,  3.45230103e-04,  1.14746094e-01,
        -2.27539062e-01, -1.92382812e-01, -1.04003906e-01,  6.92749023e-03,
        -9.91210938e-02,  1.72851562e-01,  1.18164062e-01,  1.63085938e-01,
        -1.35742188e-01, -1.53320312e-01, -2.46093750e-01, -9.57031250e-02,
        -1.50146484e-02,  4.92095947e-04,  2.16796875e-01, -5.81054688e-02,
        -1.16210938e-01, -2.27050781e-02, -7.61718750e-02,  9.09423828e-03,
        -9.66796875e-02, -9.71679688e-02, -6.49414062e-02, -2.19726562e-03,
         1.24511719e-01,  1.66015625e-01, -5.79833984e-04, -1.76757812e-01,
        -1.14746094e-01, -7.47070312e-02, -3.46679688e-02,  1.09375000e-01,
         8.72802734e-03,  6.00585938e-02,  5.83496094e-02,  2.46093750e-01,
         1.92871094e-02, -1.54418945e-02, -9.37500000e-02,  2.08007812e-01,
         2.83203125e-01, -1.89208984e-02, -1.48437500e-01, -1.89453125e-01,
        -7.91015625e-02,  5.51757812e-02,  1.16699219e-01, -3.24218750e-01,
        -5.43212891e-03, -2.83203125e-01, -3.63769531e-02, -3.63281250e-01,
         6.39648438e-02,  1.31835938e-01, -1.53320312e-01, -1.66992188e-01,
```

```
        -1.20117188e-01, -1.18164062e-01, -1.04003906e-01,  2.29492188e-02,
        -8.83789062e-02, -1.92382812e-01, -1.68457031e-02, -2.33398438e-01,
        -3.00292969e-02,  6.64062500e-02,  1.10351562e-01, -2.71484375e-01,
        -3.02734375e-01,  6.71386719e-03,  6.64062500e-02,  5.73730469e-02,
         1.92382812e-01, -1.78710938e-01, -1.00097656e-01, -1.63085938e-01,
        -4.44335938e-02, -3.46679688e-02,  4.17968750e-01, -5.55419922e-03,
         3.49121094e-02,  7.76367188e-02, -2.80761719e-02,  7.12890625e-02,
         7.12890625e-02,  1.73828125e-01,  4.45556641e-03, -1.78710938e-01,
         2.81250000e-01, -1.96289062e-01, -1.03027344e-01, -1.22558594e-01,
         1.36718750e-01,  1.59179688e-01, -4.24804688e-02, -2.53906250e-02,
        -1.38671875e-01,  2.04101562e-01, -1.28906250e-01, -1.61132812e-01,
         2.22656250e-01,  1.39648438e-01, -4.54101562e-02, -2.04101562e-01,
         1.61132812e-01,  3.82812500e-01, -1.42578125e-01,  1.63085938e-01,
         2.05078125e-02,  1.33056641e-02,  1.10351562e-01, -1.83593750e-01,
        -7.91015625e-02,  6.00585938e-02,  4.41894531e-02, -3.55468750e-01,
         1.35742188e-01, -3.24707031e-02, -1.19140625e-01, -2.02148438e-01,
        -2.35595703e-02, -5.12695312e-02,  1.25976562e-01, -3.41796875e-02,
         8.93554688e-02,  8.25195312e-02, -1.63085938e-01, -2.03125000e-01,
         5.63964844e-02, -5.12695312e-02, -6.22558594e-02, -1.14257812e-01,
         2.35351562e-01,  7.08007812e-02, -3.92578125e-01,  1.39160156e-02,
        -6.73828125e-02,  4.54101562e-02, -2.09960938e-02,  9.76562500e-02,
         4.19921875e-02, -2.24609375e-01, -4.93164062e-02, -1.54296875e-01,
         1.31225586e-02,  5.78613281e-02,  1.25976562e-01, -3.71093750e-02,
         1.44531250e-01,  1.94091797e-02,  6.83593750e-02,  1.26953125e-01,
         1.16210938e-01, -3.61328125e-02, -2.57812500e-01, -2.55859375e-01,
         1.21582031e-01,  1.10351562e-01,  1.22558594e-01, -2.34375000e-02,
        -1.05957031e-01, -9.27734375e-02, -2.08007812e-01,  2.36328125e-01,
         1.95312500e-01, -7.95898438e-02, -6.03027344e-02,  3.07617188e-02,
         1.42578125e-01, -1.53320312e-01, -1.81640625e-01,  1.09863281e-01,
         1.82617188e-01,  8.60595703e-03, -2.61718750e-01,  6.34765625e-03,
        -1.11328125e-01,  7.71484375e-02,  3.90625000e-02,  1.67968750e-01,
         2.08007812e-01, -2.21679688e-01, -3.18359375e-01,  6.10351562e-02,
         1.32812500e-01,  9.17968750e-02,  5.27343750e-02,  5.10253906e-02,
        -5.63964844e-02, -7.61718750e-02,  2.77343750e-01, -9.52148438e-03,
        -3.36914062e-02,  9.76562500e-03,  3.44238281e-02,  1.68945312e-01,
        -2.30468750e-01,  4.19921875e-02, -4.05273438e-02,  1.50390625e-01,
        -7.66601562e-02, -1.25976562e-01, -6.59179688e-02, -1.80664062e-01,
        -1.37695312e-01, -4.58984375e-02, -1.47460938e-01,  1.35742188e-01,
         9.58251953e-03,  2.77343750e-01, -9.32617188e-02,  1.35742188e-01,
         1.88476562e-01, -1.26953125e-02,  1.48437500e-01,  1.53320312e-01,
        -8.59375000e-02, -4.95605469e-02, -5.02929688e-02,  9.57031250e-02,
         3.22265625e-01,  2.28515625e-01,  8.54492188e-02,  1.51367188e-01,
        -4.12597656e-02,  4.71191406e-02,  1.17675781e-01,  7.61718750e-02,
        -2.02636719e-02,  1.20849609e-02,  1.63085938e-01, -3.80859375e-01,
        -2.85156250e-01, -3.41796875e-01, -1.23535156e-01, -5.54199219e-02,
        -6.22558594e-02, -1.66015625e-01, -2.78949738e-05,  9.13085938e-02,
         1.37695312e-01,  5.90820312e-02, -2.37304688e-01,  9.22851562e-02,
         6.12792969e-02,  1.59179688e-01,  1.43554688e-01,  2.31933594e-02,
        -1.75781250e-01,  8.97216797e-03, -2.44140625e-02,  1.16729736e-03,
        -8.30078125e-02,  1.45507812e-01,  1.78710938e-01, -2.51953125e-0
1],
       dtype=float32),
 'needed': array([-4.54101562e-02,  8.30078125e-02,  4.51660156e-02, -2.050
78125e-01,
        -2.41210938e-01, -3.80859375e-02,  2.53906250e-01, -1.21582031e-01,
        -1.39648438e-01,  1.23901367e-02,  1.24511719e-01, -1.61132812e-02,
        -2.81982422e-02,  3.01513672e-02, -6.73828125e-02,  5.15136719e-02,
        -1.79443359e-02,  5.17578125e-02,  5.15136719e-02,  8.88671875e-02,
        -2.12890625e-01, -8.64257812e-02,  1.50390625e-01,  1.70135498e-03,
        -1.36718750e-01, -8.69140625e-02, -1.80664062e-01,  1.98974609e-02,
         9.22851562e-02,  1.21582031e-01,  8.05664062e-02,  6.59179688e-03,
        -3.58886719e-02, -2.04101562e-01,  4.46777344e-02, -1.13281250e-01,
         7.91015625e-02,  1.48437500e-01,  1.29882812e-01, -2.38037109e-02,
         5.88378906e-02, -7.37304688e-02,  1.37695312e-01, -1.07421875e-01,
```

```
-1.91650391e-02, -1.32812500e-01, -3.29589844e-02, -1.20117188e-01,
 1.43432617e-02,  1.69921875e-01, -1.59179688e-01, -1.07910156e-01,
-8.54492188e-02,  7.47070312e-02, -1.59179688e-01, -2.27050781e-02,
-1.30615234e-02,  4.02832031e-02,  8.05664062e-02, -1.40625000e-01,
-9.57031250e-02, -6.64062500e-02, -1.85546875e-01, -2.94921875e-01,
 1.92382812e-01, -5.20019531e-02, -7.47070312e-02,  5.73730469e-02,
-1.30859375e-01, -7.08007812e-02,  7.66601562e-02,  2.62451172e-02,
 1.24511719e-01,  5.05371094e-02, -1.49414062e-01,  4.21142578e-03,
 2.53906250e-01,  2.50000000e-01, -4.78515625e-02,  6.20117188e-02,
-2.14843750e-02,  1.29882812e-01, -3.80859375e-02, -6.73828125e-02,
-1.24511719e-01,  6.28662109e-03,  2.00195312e-02,  6.05468750e-02,
 6.25000000e-02,  7.61718750e-02,  5.79833984e-04,  1.33789062e-01,
 1.66992188e-01, -1.85546875e-01,  7.95898438e-02, -3.59375000e-01,
-5.66406250e-02,  5.15136719e-02, -3.14453125e-01,  1.67968750e-01,
-6.25000000e-02,  1.25000000e-01, -1.45507812e-01,  4.27246094e-02,
-2.28515625e-01,  3.07617188e-02, -9.86328125e-02, -1.50390625e-01,
-4.83398438e-02,  2.24609375e-01, -1.47460938e-01,  1.27929688e-01,
-2.17773438e-01,  5.61523438e-02,  2.08007812e-01,  1.55273438e-01,
 1.75781250e-01,  1.39648438e-01,  1.77734375e-01,  3.08837891e-02,
-3.17382812e-02, -3.12500000e-02,  1.72119141e-02, -7.03125000e-02,
-1.85546875e-01, -1.65039062e-01,  4.37011719e-02, -1.85546875e-01,
-1.63085938e-01, -1.99890137e-03,  4.68750000e-02,  3.60107422e-03,
-1.90429688e-01, -7.08007812e-02,  3.26538086e-03, -7.32421875e-02,
 1.53320312e-01,  2.03857422e-02, -1.55273438e-01,  2.50000000e-01,
-3.46679688e-02, -2.14843750e-01,  1.18652344e-01,  7.42187500e-02,
 6.83593750e-02, -8.88671875e-02, -1.95312500e-01, -9.42382812e-02,
-9.52148438e-02, -1.35742188e-01, -8.93554688e-02,  1.33789062e-01,
-5.46875000e-02,  9.03320312e-02,  8.74023438e-02,  1.18164062e-01,
-2.05078125e-01, -1.25976562e-01, -1.74804688e-01, -4.78515625e-02,
 1.59179688e-01, -1.69677734e-02,  4.05273438e-02,  7.37304688e-02,
-7.12890625e-02, -3.43750000e-01, -1.93359375e-01, -1.00097656e-02,
 2.57812500e-01, -2.61718750e-01, -4.80957031e-02, -5.39550781e-02,
-2.53906250e-01, -4.19921875e-02,  1.25000000e-01, -1.26342773e-02,
 1.27929688e-01, -5.29785156e-02, -1.25976562e-01,  1.39648438e-01,
-2.18750000e-01,  9.52148438e-02,  1.13769531e-01,  2.52685547e-02,
-9.13085938e-02, -2.23632812e-01,  1.82342529e-03, -9.86328125e-02,
 1.00585938e-01,  1.00708008e-02,  3.02734375e-02, -3.78417969e-02,
 2.36328125e-01, -5.76171875e-02, -7.66601562e-02, -3.32031250e-02,
 1.30859375e-01, -2.43164062e-01, -1.03027344e-01, -3.96484375e-01,
-1.54296875e-01,  2.85156250e-01,  6.25000000e-02,  6.73828125e-02,
 1.52343750e-01,  1.55029297e-02, -3.49121094e-02,  3.68652344e-02,
 1.86523438e-01, -1.66992188e-01, -2.20947266e-02,  8.54492188e-03,
-1.31835938e-01,  9.66796875e-02,  2.07519531e-03, -4.58984375e-02,
 1.85546875e-01,  1.48437500e-01, -6.00585938e-02,  2.32421875e-01,
-7.20214844e-03,  4.93164062e-02,  3.78417969e-02, -1.94335938e-01,
 1.21459961e-02,  5.29785156e-02,  5.29785156e-02, -3.12500000e-02,
 1.58691406e-03,  1.46484375e-01,  2.55126953e-02, -3.34472656e-02,
 1.04492188e-01, -1.47460938e-01, -3.80859375e-02,  3.36914062e-02,
 1.74560547e-02, -2.30468750e-01,  1.81640625e-01, -1.07910156e-01,
 9.47265625e-02,  1.06933594e-01,  7.95898438e-02, -1.39648438e-01,
 6.54296875e-02,  3.49121094e-02, -1.77383423e-04,  1.87500000e-01,
 1.51367188e-01, -1.06445312e-01,  1.70898438e-02,  2.25585938e-01,
 3.46679688e-02,  2.96875000e-01,  8.49609375e-02, -7.76367188e-02,
 1.05468750e-01, -1.59179688e-01, -1.10839844e-01, -3.22265625e-02,
-2.71484375e-01,  1.78222656e-02, -1.63085938e-01,  6.49414062e-02,
 8.78906250e-03, -2.02636719e-02,  1.31835938e-01, -1.01074219e-01,
-2.80761719e-02, -8.44726562e-02,  1.75781250e-01,  6.44531250e-02,
 7.95898438e-02,  1.14257812e-01,  1.08886719e-01, -1.24511719e-01,
 6.29882812e-02, -2.39257812e-01, -9.37500000e-02,  1.38671875e-01,
-1.12792969e-01, -1.58203125e-01,  1.07421875e-01,  1.43554688e-01,
-7.37304688e-02, -7.12890625e-02,  3.14941406e-02,  4.29687500e-02,
 1.34765625e-01,  9.81445312e-02, -1.66015625e-01, -4.34570312e-02,
-6.50024414e-03,  1.33789062e-01, -1.79443359e-02,  2.69531250e-01,
-6.12792969e-02,  7.20214844e-03,  8.54492188e-02, -9.81445312e-0
```

```
2],
       dtype=float32),
 'supervised': array([-0.35546875, -0.25390625,  0.375     , -0.24804688,
0.05322266,
        -0.07324219, -0.1875    , -0.1953125 , -0.16992188, -0.32226562,
         0.02709961, -0.18261719,  0.02844238, -0.03613281, -0.05151367,
         0.359375  , -0.06176758, -0.20410156, -0.03015137, -0.0859375 ,
         0.03369141, -0.01965332,  0.00854492,  0.27539062, -0.09814453,
        -0.43554688, -0.08300781,  0.02050781, -0.18847656, -0.07373047,
        -0.03833008, -0.4453125 , -0.09570312,  0.32421875,  0.02038574,
        -0.3515625 , -0.09521484, -0.36328125, -0.11816406, -0.24316406,
         0.17285156, -0.12304688, -0.05541992, -0.00604248, -0.08789062,
         0.07910156,  0.03088379,  0.04199219,  0.0300293 , -0.14550781,
        -0.07177734, -0.01916504,  0.07958984,  0.15234375, -0.17285156,
         0.01708984,  0.05444336, -0.07470703, -0.05175781, -0.40234375,
        -0.19238281, -0.09912109, -0.00358582,  0.09130859, -0.00738525,
        -0.09570312, -0.21972656, -0.01385498, -0.13085938, -0.47070312,
         0.28125   , -0.00650024,  0.18945312,  0.13085938, -0.02209473,
        -0.05175781, -0.10546875,  0.24609375,  0.06689453,  0.08203125,
        -0.09472656,  0.02783203, -0.18066406,  0.23242188, -0.05371094,
         0.21679688,  0.20703125, -0.06152344,  0.21386719, -0.24121094,
         0.25390625, -0.15332031,  0.11230469, -0.1015625 ,  0.35742188,
        -0.05566406,  0.08398438, -0.25585938, -0.15039062, -0.06591797,
         0.20703125, -0.00066757, -0.02758789,  0.12255859,  0.11279297,
        -0.265625  ,  0.16308594, -0.109375  , -0.10351562,  0.07421875,
         0.10888672,  0.07080078, -0.13671875, -0.11425781,  0.00946045,
         0.06542969,  0.06835938, -0.11962891,  0.10791016,  0.21386719,
        -0.12597656,  0.13867188,  0.05200195,  0.20605469, -0.06640625,
        -0.11181641,  0.20117188, -0.01013184,  0.25195312,  0.14941406,
        -0.09179688,  0.09130859, -0.09472656,  0.11035156, -0.24023438,
        -0.10498047, -0.09130859,  0.21972656, -0.01281738,  0.30273438,
         0.07128906, -0.02160645, -0.3828125 , -0.13867188, -0.10595703,
         0.19042969,  0.10449219,  0.38085938,  0.10644531, -0.19335938,
         0.18554688,  0.01251221, -0.09863281,  0.38476562,  0.09472656,
         0.16796875, -0.16308594,  0.20996094,  0.03759766,  0.3046875 ,
         0.23144531,  0.12890625, -0.07128906,  0.3984375 ,  0.02844238,
         0.00485229,  0.12890625,  0.07958984,  0.28125   , -0.15527344,
        -0.03857422, -0.41015625,  0.15332031, -0.11181641,  0.18359375,
        -0.10742188,  0.15722656,  0.10888672, -0.10253906, -0.00799561,
        -0.12792969, -0.13964844,  0.01574707,  0.06542969, -0.03662109,
         0.13671875,  0.34375   ,  0.00506592,  0.08740234,  0.08154297,
        -0.12011719, -0.13476562,  0.10839844, -0.34375   , -0.23828125,
        -0.10791016,  0.003479  ,  0.04345703, -0.31445312, -0.00543213,
         0.12011719,  0.29882812,  0.01055908, -0.50390625, -0.03881836,
        -0.11132812,  0.11181641, -0.02160645, -0.02282715, -0.10791016,
         0.20898438,  0.21386719,  0.14550781, -0.16601562,  0.32226562,
        -0.23828125, -0.25195312, -0.19238281, -0.25195312, -0.47265625,
         0.25      , -0.41796875, -0.08007812,  0.07861328,  0.30859375,
        -0.07568359,  0.16503906,  0.05029297,  0.01055908, -0.33203125,
         0.24121094, -0.43359375,  0.00280762, -0.08007812, -0.16894531,
        -0.08349609, -0.012146  ,  0.23242188,  0.34375   , -0.09570312,
        -0.21875   ,  0.03027344,  0.01696777, -0.33789062, -0.05639648,
        -0.08642578, -0.25976562,  0.22851562,  0.16015625, -0.39648438,
        -0.27148438,  0.171875  , -0.27148438,  0.14941406,  0.30664062,
         0.04882812, -0.11425781, -0.14941406,  0.04638672,  0.08837891,
        -0.02746582,  0.0480957 ,  0.06494141, -0.13769531,  0.25976562,
         0.13671875, -0.09228516,  0.07177734, -0.00344849,  0.25976562,
         0.02624512,  0.20605469,  0.05566406,  0.24609375,  0.10351562,
        -0.37890625, -0.0456543 ,  0.01757812,  0.11181641, -0.11767578,
        -0.13183594,  0.38671875,  0.02233887,  0.17871094,  0.07373047,
        -0.20117188,  0.01831055,  0.10009766,  0.26367188,  0.31054688,
        -0.6640625 ,  0.03393555, -0.13183594,  0.00165558, -0.05297852,
        -0.09619141, -0.33789062, -0.15917969,  0.05688477, -0.140625  ],
       dtype=float32),
```

```
 'discus': array([-1.69921875e-01,  5.93261719e-02,  1.66015625e-01, -2.578
12500e-01,
         3.04687500e-01, -2.19726562e-01,  2.13867188e-01,  8.83789062e-02,
        -1.89453125e-01,  3.57421875e-01,  2.49023438e-01, -1.80664062e-01,
         9.61914062e-02,  3.39843750e-01,  8.93554688e-02, -2.00195312e-01,
         5.19531250e-01,  2.23632812e-01, -3.57421875e-01, -6.17187500e-01,
         8.78906250e-02,  3.93066406e-02, -9.37500000e-02, -3.32031250e-02,
        -1.78710938e-01, -4.53125000e-01, -3.80859375e-01,  4.68750000e-01,
        -4.92187500e-01, -2.46093750e-01, -5.54687500e-01,  2.34375000e-01,
         1.48437500e-01, -2.33398438e-01, -5.12695312e-02, -3.02734375e-01,
         2.77343750e-01,  2.13623047e-02,  8.15429688e-02,  5.58593750e-01,
         3.04687500e-01, -3.19824219e-02,  3.10546875e-01,  4.62890625e-01,
         1.31835938e-01, -8.49609375e-02,  1.76757812e-01, -1.07421875e-01,
         1.75781250e-01,  8.30078125e-02,  1.85546875e-01,  3.73046875e-01,
        -2.91015625e-01, -2.41210938e-01, -7.26318359e-03,  2.61718750e-01,
         5.39062500e-01, -5.00488281e-02,  2.98828125e-01, -5.11718750e-01,
        -4.74609375e-01, -4.02343750e-01, -2.14843750e-01,  3.80859375e-02,
        -2.07031250e-01, -4.68750000e-01,  1.46484375e-01,  8.62121582e-04,
         7.17773438e-02,  2.96875000e-01,  7.51953125e-02, -3.41796875e-01,
         4.00390625e-02,  3.73046875e-01, -2.75390625e-01,  1.17675781e-01,
        -1.52343750e-01, -4.43359375e-01,  1.67968750e-01, -5.09643555e-03,
        -2.64892578e-02,  4.49218750e-01, -7.78198242e-03, -1.56250000e-01,
         7.37304688e-02,  1.24023438e-01,  2.23632812e-01,  1.40625000e-01,
         7.12890625e-02, -1.69677734e-02,  2.33398438e-01, -3.06640625e-01,
         1.87988281e-02, -1.18652344e-01, -2.69531250e-01, -1.36718750e-01,
         4.04296875e-01, -1.04003906e-01,  9.91210938e-02,  7.76367188e-02,
        -1.72119141e-02, -9.71679688e-02, -1.95312500e-02, -5.00000000e-01,
         1.99218750e-01, -1.04980469e-01, -3.80859375e-01, -2.91015625e-01,
         1.90429688e-01,  2.51464844e-02, -7.56835938e-02,  1.84570312e-01,
        -2.29492188e-02,  6.54296875e-02, -3.53515625e-01,  3.90625000e-01,
        -6.49414062e-02,  7.22656250e-02, -2.39257812e-01, -4.88281250e-02,
         1.79687500e-01,  4.86328125e-01,  2.63671875e-01,  2.42919922e-02,
        -8.48388672e-03, -5.19531250e-01,  2.38037109e-02, -2.35351562e-01,
        -6.13281250e-01,  2.57812500e-01, -4.10156250e-01,  5.97656250e-01,
         2.08007812e-01, -1.86523438e-01,  2.30468750e-01,  7.91015625e-02,
         6.64062500e-02,  7.22656250e-02,  5.15136719e-02,  2.19726562e-01,
        -5.11718750e-01,  3.59375000e-01,  4.66308594e-02, -3.94531250e-01,
         1.66015625e-01, -7.12890625e-02, -5.27343750e-01, -1.25000000e-01,
         1.77734375e-01,  4.23828125e-01,  4.49218750e-01,  4.49218750e-01,
        -9.47265625e-02,  2.73437500e-01, -7.17773438e-02,  8.93554688e-02,
         4.76074219e-02,  3.67187500e-01,  3.57421875e-01, -2.53906250e-01,
        -4.60937500e-01,  2.48046875e-01,  4.84375000e-01, -3.69140625e-01,
         2.61230469e-02,  1.79687500e-01,  4.33593750e-01, -3.43750000e-01,
         1.09863281e-02,  1.53320312e-01,  3.65234375e-01,  9.47265625e-02,
         2.10937500e-01, -2.98828125e-01, -4.58984375e-01, -6.17187500e-01,
         9.17968750e-01, -3.57421875e-01, -4.60937500e-01, -1.16210938e-01,
         2.67578125e-01,  6.01562500e-01, -1.51367188e-01, -4.45312500e-01,
        -2.89062500e-01, -2.18750000e-01, -2.90527344e-02,  1.72851562e-01,
        -1.84570312e-01,  3.06640625e-01,  3.14453125e-01, -5.85937500e-03,
        -1.32812500e-01, -1.06445312e-01, -3.17382812e-02, -2.21679688e-01,
         3.16406250e-01,  4.47265625e-01,  6.25000000e-02, -7.95898438e-02,
         5.73730469e-03,  2.50000000e-01,  2.53906250e-01,  1.89208984e-02,
        -4.00390625e-01, -5.31250000e-01, -1.96533203e-02, -1.05957031e-01,
        -3.39843750e-01, -1.11328125e-01, -3.86718750e-01, -4.17968750e-01,
         3.58886719e-02, -7.78198242e-03,  2.26562500e-01, -4.37011719e-02,
        -6.34765625e-02, -6.93359375e-02,  7.18750000e-01, -4.76074219e-02,
        -5.66406250e-01,  1.63574219e-02, -9.96093750e-02,  3.18359375e-01,
         3.10546875e-01, -9.08203125e-02, -1.64062500e-01,  1.25000000e-01,
        -1.28906250e-01, -1.33789062e-01,  2.85156250e-01,  1.54296875e-01,
        -1.71875000e-01, -4.10156250e-02,  1.43554688e-01, -3.90625000e-02,
        -2.79541016e-02, -7.71484375e-02,  3.47656250e-01, -8.49609375e-02,
        -6.15234375e-02,  1.05957031e-01,  5.46875000e-01, -9.22851562e-02,
         1.58203125e-01,  2.85156250e-01, -5.15625000e-01, -8.78906250e-02,
        -3.10546875e-01, -2.12890625e-01, -6.83593750e-01,  1.70898438e-01,
```

```
        -1.54296875e-01,  1.41601562e-01,  8.93554688e-02,  1.36718750e-01,
         4.21875000e-01,  6.04248047e-03,  4.62890625e-01,  2.07031250e-01,
        -5.68847656e-02,  2.55859375e-01, -3.59375000e-01, -4.35546875e-01,
         2.67578125e-01,  5.31250000e-01,  1.61132812e-01,  2.63671875e-01,
        -2.24609375e-01,  4.39453125e-01, -5.54687500e-01, -1.00585938e-01,
        -1.33789062e-01,  1.19140625e-01,  9.08203125e-02, -3.71093750e-01,
         1.39648438e-01, -3.67187500e-01,  1.99218750e-01, -2.44140625e-01,
         8.93554688e-02, -2.84423828e-02, -2.04101562e-01, -7.32421875e-02,
        -2.73437500e-01,  2.30712891e-02, -1.98974609e-02,  2.30468750e-01,
        -1.48437500e-01,  1.29882812e-01, -1.65039062e-01,  9.03320312e-02,
        -6.44531250e-01, -3.96484375e-01,  1.09375000e-01, -6.34765625e-03,
         2.74658203e-02,  3.10546875e-01,  3.45703125e-01,  1.40625000e-0
1],
       dtype=float32),
 'issue': array([ 1.43554688e-01,  4.56542969e-02, -1.76757812e-01,  2.7343
7500e-01,
        -1.44531250e-01, -4.41894531e-02,  2.83203125e-01, -1.00585938e-01,
         1.36718750e-01,  1.26953125e-01, -3.37890625e-01, -2.24609375e-01,
         2.17773438e-01, -1.43554688e-01, -3.18359375e-01,  1.93359375e-01,
         1.25976562e-01,  5.00488281e-02,  6.44531250e-02, -1.42578125e-01,
         1.68945312e-01, -9.76562500e-02,  1.56250000e-01,  1.65039062e-01,
        -1.57226562e-01, -1.92871094e-02, -1.88446045e-03,  5.32226562e-02,
        -1.11328125e-01, -6.59179688e-02,  1.19628906e-01, -4.19921875e-02,
         8.27789307e-04,  1.07421875e-02,  1.42578125e-01,  3.10058594e-02,
         2.73437500e-01,  1.24023438e-01,  2.63671875e-01, -8.98437500e-02,
        -1.13769531e-01, -1.21582031e-01, -4.63867188e-02,  1.29882812e-01,
        -3.82812500e-01, -1.67968750e-01,  1.04492188e-01, -1.03515625e-01,
         4.82177734e-03,  1.65039062e-01,  8.49609375e-02, -4.44335938e-02,
         2.70996094e-02, -2.39257812e-01, -5.12695312e-02,  8.69140625e-02,
         7.12890625e-02, -2.96630859e-02, -2.07519531e-02, -2.31445312e-01,
         5.29785156e-02, -1.40625000e-01, -1.60156250e-01,  6.73828125e-02,
        -1.17675781e-01,  9.32617188e-02, -3.14453125e-01,  2.04101562e-01,
         2.06298828e-02,  2.00195312e-02, -1.71875000e-01, -2.39257812e-02,
         5.12695312e-02,  2.51464844e-02,  2.35351562e-01, -3.46679688e-02,
         2.40234375e-01,  1.42578125e-01, -7.37304688e-02,  2.65625000e-01,
        -1.02050781e-01,  2.14843750e-02,  3.16406250e-01,  8.34960938e-02,
        -1.81640625e-01, -1.17675781e-01, -2.35351562e-01, -1.37329102e-03,
         1.14746094e-02,  7.03125000e-02,  3.49609375e-01,  6.73828125e-02,
         6.93359375e-02,  4.83398438e-02, -2.11914062e-01, -7.03125000e-02,
         6.83593750e-02,  7.12890625e-02,  1.12304688e-01, -1.04003906e-01,
         1.26953125e-01,  4.34570312e-02, -3.61328125e-02, -9.96093750e-02,
         7.81250000e-02,  6.29882812e-02, -1.80664062e-01, -2.04101562e-01,
         1.50390625e-01, -1.91650391e-02,  2.92968750e-02, -2.30468750e-01,
         9.37500000e-02,  1.55273438e-01, -7.96318054e-05, -5.05371094e-02,
         2.37304688e-01,  1.41601562e-01,  9.61914062e-02,  8.49609375e-02,
        -5.39550781e-02, -1.12792969e-01, -1.57226562e-01,  1.14257812e-01,
        -3.35937500e-01,  3.71093750e-02, -1.22070312e-01,  1.42578125e-01,
         1.66015625e-02, -1.30859375e-01,  1.87500000e-01, -8.00781250e-02,
        -1.30859375e-01,  3.28063965e-03, -4.42504883e-04, -3.27148438e-02,
        -8.15429688e-02,  5.73730469e-02, -9.13085938e-02, -2.09960938e-02,
         3.84765625e-01,  4.10156250e-01,  7.61718750e-02, -1.04003906e-01,
        -8.66699219e-03, -6.44531250e-02, -5.07812500e-02, -8.83789062e-02,
        -4.41894531e-02, -7.47070312e-02,  1.07421875e-01,  1.97265625e-01,
         6.49414062e-02, -1.79687500e-01, -7.71484375e-02,  5.02929688e-02,
        -7.61718750e-02, -2.55859375e-01,  3.63769531e-02,  6.93359375e-02,
         2.35351562e-01, -1.78710938e-01,  3.69140625e-01, -2.02148438e-01,
        -1.73828125e-01,  3.54003906e-02, -8.66699219e-03,  1.00097656e-01,
         1.81640625e-01,  1.44042969e-02, -4.24804688e-02, -1.04980469e-01,
        -8.64257812e-02,  1.97753906e-02,  7.66601562e-02, -1.11328125e-01,
         1.56250000e-01, -1.31835938e-01, -1.01562500e-01,  1.29882812e-01,
        -2.24609375e-01,  1.36718750e-02, -1.73828125e-01,  6.68945312e-02,
         2.51953125e-01,  4.80957031e-02, -1.85546875e-01,  2.89062500e-01,
         1.61743164e-03,  3.63281250e-01,  1.18652344e-01, -1.39648438e-01,
        -6.00585938e-02, -4.63867188e-02, -3.27148438e-02,  8.39843750e-02,
```

```
        -3.73535156e-02,  2.45117188e-01,  1.92382812e-01,  1.95312500e-01,
        -1.23291016e-02,  1.23535156e-01, -1.03027344e-01, -2.90527344e-02,
         1.48925781e-02,  3.80859375e-02, -2.85644531e-02,  5.51757812e-02,
         1.15234375e-01, -2.34375000e-02,  5.68847656e-02,  2.02636719e-02,
        -6.34765625e-02,  1.14746094e-01, -1.49414062e-01,  8.25195312e-02,
         1.04492188e-01,  3.01513672e-02,  2.08007812e-01,  9.27734375e-02,
        -2.34375000e-01,  1.73828125e-01,  2.38037109e-02,  2.21679688e-01,
         9.03320312e-02, -2.72216797e-02,  2.24609375e-01,  2.02636719e-02,
         6.50024414e-03,  6.83593750e-02, -1.08398438e-01,  1.57226562e-01,
        -1.34887695e-02,  3.46679688e-02, -3.31115723e-03, -2.96630859e-02,
        -7.22656250e-02, -1.17675781e-01, -5.00488281e-03, -9.37500000e-02,
        -1.40625000e-01, -1.04003906e-01, -1.68945312e-01, -5.98144531e-02,
         3.02734375e-02, -3.19824219e-02, -3.95507812e-02,  1.62109375e-01,
         1.42578125e-01,  8.93554688e-02, -1.23046875e-01,  4.39453125e-03,
        -1.15234375e-01,  1.79443359e-02,  1.78710938e-01, -1.25976562e-01,
         2.89062500e-01,  7.37304688e-02,  1.20605469e-01,  7.76367188e-02,
         2.62451172e-02, -1.09375000e-01, -7.86132812e-02, -2.41210938e-01,
        -1.31835938e-01,  1.01562500e-01,  1.57470703e-02, -6.39648438e-02,
        -2.37304688e-01, -3.24218750e-01,  1.05468750e-01,  2.06298828e-02,
        -1.36718750e-02, -8.10546875e-02, -9.94873047e-03,  6.98242188e-02,
         7.95898438e-02, -3.18359375e-01, -8.05664062e-02, -1.39648438e-01,
        -1.50299072e-03, -8.54492188e-02,  1.65039062e-01,  2.73437500e-01,
         8.69140625e-02, -1.96289062e-01, -2.50000000e-01,  4.90722656e-02,
         2.45361328e-02,  9.96093750e-02,  6.49414062e-02, -1.07910156e-01,
         1.22070312e-02,  2.14843750e-01, -1.96289062e-01,  2.37304688e-01,
        -3.32031250e-01, -9.13085938e-02, -4.58984375e-02,  2.41699219e-0
2],
       dtype=float32),
 'necessary': array([-0.15332031,  0.00704956,  0.01965332, -0.21777344, -
0.32226562,
        -0.00084686,  0.33398438,  0.10644531, -0.01031494, -0.12792969,
        -0.05664062, -0.06201172,  0.01538086,  0.11132812, -0.21484375,
         0.1015625 ,  0.04663086, -0.11376953,  0.07080078, -0.07226562,
        -0.03686523, -0.1875    , -0.00384521,  0.00466919, -0.10986328,
        -0.04858398, -0.18945312, -0.12890625,  0.01818848,  0.01531982,
         0.13867188, -0.11865234,  0.10351562, -0.07128906, -0.17675781,
        -0.10498047,  0.08935547,  0.10693359,  0.14746094, -0.19921875,
         0.31835938,  0.03442383,  0.32617188, -0.13574219, -0.15722656,
        -0.13378906,  0.03369141, -0.03930664, -0.15136719,  0.01574707,
        -0.01538086, -0.02478027, -0.06738281,  0.04272461, -0.08789062,
         0.05639648, -0.11865234, -0.20117188,  0.09423828, -0.09130859,
        -0.21875   , -0.08251953, -0.13476562, -0.08886719,  0.18945312,
        -0.00239563, -0.11914062,  0.20605469, -0.31445312, -0.10693359,
        -0.02185059,  0.01483154,  0.09472656,  0.01287842, -0.06591797,
        -0.07910156,  0.20800781,  0.06884766, -0.05908203,  0.0324707 ,
         0.09179688,  0.0390625 , -0.0201416 , -0.15234375, -0.03564453,
        -0.09863281,  0.05078125,  0.13769531,  0.07128906,  0.08349609,
        -0.08007812, -0.12890625,  0.1796875 , -0.21777344,  0.17382812,
        -0.25976562, -0.01989746,  0.04345703, -0.12988281,  0.12988281,
         0.01782227,  0.22167969, -0.07666016,  0.0378418 , -0.38671875,
         0.05395508, -0.05566406, -0.11523438,  0.11816406,  0.04931641,
        -0.14453125, -0.0390625 , -0.22753906, -0.02038574,  0.08105469,
         0.19140625,  0.02807617,  0.203125  ,  0.00601196,  0.13476562,
         0.06640625, -0.00970459,  0.02490234,  0.05712891, -0.12988281,
        -0.15722656, -0.06982422, -0.16894531, -0.12353516,  0.08349609,
        -0.03710938,  0.04199219, -0.11132812, -0.05517578,  0.09228516,
        -0.13867188, -0.04833984,  0.00411987,  0.11279297,  0.2890625 ,
         0.04785156, -0.08398438,  0.140625  ,  0.16113281,  0.04150391,
        -0.06835938, -0.10351562,  0.14160156, -0.01904297,  0.02453613,
         0.06494141,  0.27148438, -0.00309753,  0.04418945, -0.03613281,
        -0.03588867, -0.3046875 , -0.0703125 , -0.27734375,  0.03393555,
         0.09619141, -0.07861328,  0.04418945,  0.03564453, -0.04980469,
        -0.25195312, -0.24023438,  0.10693359,  0.26757812, -0.1171875 ,
         0.08154297,  0.0234375 , -0.05761719, -0.01391602,  0.10644531,
```

```
         0.00823975,  0.06347656, -0.02331543, -0.14648438,  0.06347656,
        -0.3046875 ,  0.01574707, -0.04174805, -0.3125    ,  0.00543213,
        -0.10009766,  0.09667969, -0.15039062,  0.13085938, -0.0291748 ,
        -0.14453125,  0.08642578,  0.01757812,  0.07373047, -0.15722656,
        -0.11914062,  0.015625  , -0.09912109, -0.10791016, -0.328125  ,
        -0.1015625 ,  0.35351562,  0.20117188,  0.07421875,  0.10058594,
        -0.0378418 , -0.01953125,  0.01251221,  0.10400391, -0.16796875,
         0.05517578,  0.04956055, -0.16992188,  0.04003906, -0.13085938,
         0.10205078,  0.22851562,  0.16308594,  0.05981445,  0.203125  ,
         0.09033203, -0.01843262, -0.04614258, -0.13085938,  0.16992188,
         0.01721191,  0.14648438, -0.02587891,  0.04003906,  0.08496094,
         0.10644531,  0.04394531,  0.10888672,  0.04223633,  0.08398438,
         0.00076675,  0.07080078, -0.15332031,  0.23046875, -0.01574707,
        -0.04931641,  0.03515625, -0.01660156,  0.02038574,  0.13476562,
        -0.12451172, -0.10791016,  0.13671875,  0.0625    , -0.16210938,
         0.05639648,  0.24414062, -0.0456543 ,  0.11279297,  0.19628906,
        -0.13574219,  0.16210938, -0.21679688, -0.09912109, -0.03955078,
        -0.04614258, -0.05371094, -0.16308594,  0.140625  ,  0.09570312,
         0.12890625,  0.02746582, -0.09130859, -0.04711914, -0.08251953,
         0.3046875 ,  0.24414062,  0.07568359,  0.19726562,  0.03833008,
        -0.12597656,  0.04467773, -0.07519531, -0.16796875,  0.27148438,
        -0.06933594, -0.13085938,  0.15234375, -0.07275391, -0.08203125,
         0.03686523, -0.09667969, -0.06201172,  0.03979492,  0.09667969,
        -0.17285156, -0.01098633,  0.00245667,  0.16210938,  0.00860596,
         0.22167969, -0.11474609,  0.06982422, -0.08837891,  0.14355469],
       dtype=float32),
 'review': array([-5.19531250e-01, -3.36914062e-02, -2.07519531e-02,  5.249
02344e-02,
         5.93261719e-02, -1.28906250e-01,  1.28784180e-02, -8.44726562e-02,
         2.27539062e-01, -1.21093750e-01, -1.64062500e-01,  6.44531250e-02,
         4.10156250e-02, -8.54492188e-03, -8.83789062e-02,  8.69140625e-02,
         5.68847656e-02, -1.12304688e-01, -2.03125000e-01, -2.15820312e-01,
         2.94921875e-01, -2.66113281e-02, -8.10546875e-02,  1.19628906e-02,
        -9.70458984e-03,  3.22265625e-02,  5.93261719e-02,  1.26953125e-01,
         1.24023438e-01,  1.15966797e-02, -1.03027344e-01, -1.53320312e-01,
        -2.22656250e-01, -7.61718750e-02, -1.62353516e-02, -7.22656250e-02,
         4.02832031e-02, -2.24609375e-01,  2.27539062e-01, -8.39843750e-02,
        -3.02734375e-02,  2.75878906e-02, -1.25000000e-01,  1.27929688e-01,
        -9.27734375e-02, -4.85839844e-02,  6.93359375e-02, -1.35742188e-01,
        -1.88476562e-01,  5.39550781e-02,  2.46093750e-01,  7.93457031e-03,
         1.53320312e-01,  8.05664062e-02, -1.65039062e-01,  7.76367188e-02,
        -1.26342773e-02, -1.61132812e-01, -3.36914062e-02,  1.61132812e-01,
        -3.65234375e-01,  1.30859375e-01, -1.95312500e-01,  8.36181641e-03,
        -4.63867188e-03,  1.14746094e-01, -2.05078125e-02,  2.59765625e-01,
         4.39453125e-02, -3.24218750e-01,  1.10839844e-01, -2.34375000e-01,
         2.99072266e-02, -5.15136719e-02, -1.03027344e-01, -7.22656250e-02,
         1.88476562e-01,  5.22460938e-02,  1.27563477e-02,  3.76953125e-01,
         1.80664062e-01, -1.91406250e-01, -6.64062500e-02,  1.66992188e-01,
         1.24511719e-01, -2.47802734e-02, -1.11328125e-01,  2.36328125e-01,
        -2.42919922e-02, -1.54296875e-01,  1.15234375e-01, -7.27539062e-02,
         1.54296875e-01,  2.24609375e-01, -7.66601562e-02, -9.57031250e-02,
        -8.78906250e-02, -1.73339844e-02,  9.76562500e-02, -1.03027344e-01,
         6.59179688e-02,  2.00195312e-02,  1.73828125e-01,  3.90625000e-02,
        -7.27539062e-02, -1.27929688e-01, -1.67968750e-01,  3.79562378e-04,
        -7.47070312e-02, -2.00195312e-01,  1.55273438e-01,  2.24609375e-01,
        -1.70898438e-01, -1.98974609e-02,  2.85156250e-01, -1.04492188e-01,
        -1.55273438e-01,  2.03125000e-01,  4.10156250e-01,  6.44531250e-02,
        -8.54492188e-02, -1.06811523e-02, -1.70898438e-01,  1.78710938e-01,
         6.10351562e-02, -8.54492188e-02, -2.77099609e-02, -3.90625000e-02,
        -1.19628906e-01,  8.85009766e-03, -1.61132812e-01, -2.05078125e-01,
        -3.00781250e-01, -1.15234375e-01, -6.34765625e-02,  1.11816406e-01,
         7.81250000e-02,  1.36718750e-01,  2.67333984e-02, -2.97851562e-02,
         2.57812500e-01,  5.00488281e-03, -2.01171875e-01,  1.77734375e-01,
         2.39257812e-01, -5.24902344e-02,  3.75976562e-02, -8.54492188e-02,
```

```
         1.72119141e-02,  1.82617188e-01,  9.42382812e-02, -1.96289062e-01,
         6.54296875e-02,  1.64062500e-01,  1.67968750e-01, -3.16406250e-01,
         2.03125000e-01, -3.61328125e-02, -6.12792969e-02,  9.22851562e-02,
        -6.39648438e-02,  8.85009766e-03,  1.02050781e-01,  9.76562500e-02,
        -2.96630859e-02, -5.07812500e-02,  3.33984375e-01, -7.86132812e-02,
         1.97265625e-01, -5.34667969e-02,  2.24609375e-01, -3.80859375e-02,
        -5.83496094e-02,  1.95312500e-01,  3.90625000e-02, -2.27539062e-01,
        -1.06201172e-02, -6.29882812e-02, -1.14257812e-01,  1.10626221e-03,
        -2.92968750e-01,  3.51562500e-02,  7.61718750e-02, -1.00097656e-01,
        -1.16699219e-01,  1.05957031e-01, -9.17968750e-02,  1.70898438e-02,
         9.32617188e-02,  4.80957031e-02, -2.89306641e-02, -2.15820312e-01,
        -2.73437500e-02, -4.85839844e-02,  8.78906250e-02, -9.42382812e-02,
         1.36718750e-01, -2.44140625e-01, -7.47680664e-03,  2.99072266e-03,
         7.86132812e-02,  2.73437500e-01,  2.08740234e-02, -2.57568359e-02,
         6.93359375e-02,  3.11279297e-02, -1.30859375e-01,  6.78710938e-02,
         2.46093750e-01,  1.92382812e-01,  2.92968750e-01,  9.22851562e-02,
         6.44531250e-02, -2.72216797e-02, -4.33593750e-01, -4.71191406e-02,
         1.34765625e-01,  2.50000000e-01,  1.77734375e-01, -1.81640625e-01,
         1.09252930e-02,  1.58203125e-01, -8.54492188e-02,  5.95092773e-03,
         1.63085938e-01, -2.05078125e-01, -1.34887695e-02,  4.29687500e-02,
         7.93457031e-03, -7.56835938e-02,  4.71191406e-02, -2.00195312e-01,
        -3.51562500e-02, -6.98242188e-02,  1.84570312e-01,  8.60595703e-03,
         1.50390625e-01,  2.89306641e-02,  2.15820312e-01,  5.05371094e-02,
        -3.28125000e-01, -1.40380859e-02, -1.47460938e-01, -9.13085938e-02,
        -1.00097656e-01, -8.30078125e-02, -1.48437500e-01, -9.91210938e-02,
         1.21459961e-02, -2.38037109e-02, -1.44531250e-01,  1.62109375e-01,
        -6.68945312e-02, -1.55029297e-02, -4.76074219e-02,  1.14257812e-01,
        -7.12890625e-02,  9.32617188e-02,  1.33789062e-01,  3.66210938e-02,
         1.09863281e-01,  1.66992188e-01, -1.50390625e-01, -1.54296875e-01,
        -1.72119141e-02, -9.03320312e-02, -1.29882812e-01,  5.07812500e-02,
        -2.53906250e-01, -8.83789062e-02,  3.86718750e-01,  2.08007812e-01,
         1.78710938e-01,  3.73535156e-02,  6.05468750e-02, -4.37011719e-02,
        -8.98437500e-02, -3.02734375e-01, -1.52343750e-01,  1.19018555e-02,
         1.30859375e-01, -4.07714844e-02, -6.31713867e-03,  2.42187500e-01,
         3.56445312e-02, -7.27539062e-02, -1.29394531e-02,  2.11914062e-01,
         1.56250000e-01, -1.67968750e-01,  1.06445312e-01, -7.12890625e-02,
         1.80664062e-01,  2.87109375e-01, -2.24609375e-02, -8.98437500e-02,
         9.64355469e-03, -2.37304688e-01, -1.98242188e-01, -1.06933594e-0
1],
       dtype=float32),
 'sign': array([-4.37011719e-02,  4.44335938e-02, -9.81445312e-02,  5.81054
688e-02,
        -3.43750000e-01,  1.51367188e-01, -2.75878906e-02, -2.08007812e-01,
         3.34472656e-02,  2.34375000e-01, -2.46582031e-02, -2.98828125e-01,
        -1.87500000e-01, -2.06298828e-02, -1.55273438e-01,  1.17187500e-01,
         1.90734863e-03, -1.58203125e-01,  1.41601562e-01, -2.10937500e-01,
         2.15820312e-01,  3.10546875e-01, -2.36328125e-01,  3.00292969e-02,
        -7.78198242e-03, -8.39843750e-02, -1.32812500e-01,  1.07910156e-01,
         5.46875000e-02,  4.93164062e-02, -1.62109375e-01,  2.73437500e-02,
        -1.07421875e-01, -1.72851562e-01,  1.04492188e-01,  1.36718750e-02,
         3.43750000e-01,  5.61523438e-02,  1.11694336e-02,  1.71875000e-01,
         4.34570312e-02, -1.66015625e-01,  1.12915039e-02,  6.78710938e-02,
        -4.63867188e-02,  1.91406250e-01, -3.02734375e-02,  1.31835938e-01,
        -2.81250000e-01,  1.48437500e-01, -4.22363281e-02,  1.14257812e-01,
        -1.19140625e-01, -2.50000000e-01,  1.51367188e-01,  1.90429688e-01,
        -1.56250000e-01, -8.49609375e-02,  1.83105469e-02, -6.64062500e-02,
         6.83593750e-02, -1.51367188e-01, -9.52148438e-02,  1.61132812e-01,
        -1.47460938e-01, -3.85742188e-02,  2.86865234e-02,  5.37109375e-02,
        -9.42382812e-02,  1.89453125e-01, -1.87988281e-02,  1.50390625e-01,
         1.38671875e-01, -2.42187500e-01,  2.75878906e-02, -1.60156250e-01,
         1.29882812e-01,  3.20312500e-01,  1.83105469e-02,  2.11914062e-01,
         6.29882812e-02,  1.06201172e-02, -7.66601562e-02, -1.80664062e-01,
         1.22558594e-01, -4.00390625e-02, -2.11181641e-02, -1.07421875e-01,
         2.11914062e-01, -4.71191406e-02,  1.07421875e-01, -1.02539062e-01,
```

```
         1.24511719e-01, -2.21679688e-01,  2.13623047e-02, -1.19628906e-01,
         3.37890625e-01,  2.69531250e-01, -1.15203857e-03, -3.69140625e-01,
         1.36108398e-02, -8.10546875e-02,  5.81054688e-02,  1.25000000e-01,
         1.27929688e-01, -3.59375000e-01,  2.47070312e-01, -4.04296875e-01,
        -2.24609375e-01,  2.63671875e-01, -1.45507812e-01,  4.78515625e-02,
        -1.15722656e-01, -1.13769531e-01,  8.44726562e-02, -1.44531250e-01,
         2.16796875e-01,  1.20605469e-01,  1.67968750e-01,  1.05468750e-01,
         1.56250000e-01,  6.46972656e-03, -8.78906250e-03,  2.35351562e-01,
         1.54296875e-01,  3.75976562e-02,  3.39355469e-02,  4.61425781e-02,
         2.53906250e-01,  1.33789062e-01,  6.05468750e-02, -8.69140625e-02,
         2.13867188e-01, -1.75781250e-01,  2.00195312e-01, -1.72119141e-02,
        -2.53906250e-01,  1.21582031e-01, -2.27050781e-02, -1.20117188e-01,
        -1.66015625e-01,  5.37109375e-03, -7.71484375e-02, -8.98437500e-02,
         9.27734375e-02, -8.25195312e-02, -5.88378906e-02, -1.73828125e-01,
        -8.93554688e-02, -3.00781250e-01,  1.71875000e-01,  8.78906250e-02,
         9.27734375e-02, -8.64257812e-02, -4.88281250e-02,  3.47656250e-01,
        -8.10546875e-02, -2.15820312e-01,  5.93261719e-02,  6.68945312e-02,
         1.35742188e-01, -8.39843750e-02, -9.61914062e-02, -2.16796875e-01,
         1.68945312e-01, -2.12890625e-01, -2.42919922e-02, -2.50000000e-01,
        -1.21582031e-01, -4.88281250e-02, -4.68750000e-02, -6.00585938e-02,
         1.19628906e-01, -3.22265625e-02,  3.63769531e-02,  7.81250000e-02,
         1.42822266e-02, -1.28746033e-04,  3.63281250e-01, -1.38671875e-01,
        -1.45507812e-01, -1.66015625e-01,  2.92968750e-02, -2.09960938e-02,
        -5.88378906e-02,  2.89306641e-02, -2.36328125e-01,  1.20605469e-01,
        -5.12695312e-03, -9.47265625e-02,  6.34765625e-02,  1.45507812e-01,
        -2.83203125e-01,  3.88183594e-02, -4.10156250e-02,  1.30859375e-01,
        -8.15429688e-02,  1.47705078e-02, -2.08007812e-01, -1.38671875e-01,
        -1.11328125e-01, -1.89453125e-01, -7.95898438e-02, -2.33154297e-02,
         1.62109375e-01, -9.71679688e-02,  1.62109375e-01, -5.27343750e-02,
         1.89453125e-01,  5.54199219e-02,  9.91210938e-02,  1.76757812e-01,
        -2.96875000e-01,  7.29370117e-03, -2.55859375e-01,  1.97265625e-01,
         3.51562500e-01, -1.87988281e-02, -1.69921875e-01,  7.32421875e-02,
         8.49609375e-02,  1.61132812e-02,  6.73828125e-02, -9.42382812e-02,
         1.59179688e-01, -2.01416016e-02,  1.33789062e-01,  3.08837891e-02,
         2.27539062e-01, -2.61718750e-01, -3.66210938e-02,  6.22558594e-02,
        -2.45361328e-02,  9.57031250e-02, -6.54296875e-02,  2.50244141e-02,
        -4.90722656e-02, -4.02832031e-02,  1.26953125e-01, -7.47680664e-03,
         7.44628906e-03, -5.29785156e-02,  1.03027344e-01, -3.39355469e-02,
         8.98437500e-02, -9.22851562e-02,  4.39453125e-02,  1.53320312e-01,
        -2.62451172e-02, -1.72119141e-02, -1.83593750e-01,  1.14746094e-01,
        -1.51367188e-01,  2.39257812e-01,  3.58886719e-02,  1.01562500e-01,
         1.48437500e-01,  2.92968750e-01, -1.10351562e-01,  1.23901367e-02,
        -1.51367188e-01,  5.37109375e-02, -1.45507812e-01, -1.92382812e-01,
         8.05664062e-02,  6.39648438e-02, -1.46484375e-01,  6.07910156e-02,
         2.20703125e-01, -2.14843750e-01,  1.73828125e-01,  2.44140625e-01,
         1.01562500e-01, -1.34765625e-01,  1.18652344e-01,  1.82617188e-01,
        -2.34375000e-01, -1.65039062e-01,  2.91748047e-02,  4.27246094e-02,
         7.56835938e-02,  5.39550781e-02,  7.91015625e-02,  1.08398438e-01,
         4.95605469e-02,  1.55273438e-01,  2.48718262e-03,  2.42187500e-01,
        -8.49609375e-02, -1.76757812e-01, -6.03027344e-02,  8.78906250e-02,
         1.20117188e-01, -1.19628906e-02,  1.07910156e-01,  2.81982422e-02,
        -1.60156250e-01, -4.91333008e-03,  9.86328125e-02, -2.94921875e-0
1],
       dtype=float32),
 'field': array([-0.29492188,  0.14648438,  0.12304688, -0.29296875,  0.034
66797,
        -0.32617188,  0.0222168 , -0.29492188,  0.02722168,  0.09179688,
         0.26367188, -0.171875  ,  0.18359375,  0.04882812, -0.23046875,
        -0.03173828,  0.05029297,  0.16894531,  0.27929688,  0.02844238,
        -0.09716797,  0.11767578,  0.05322266,  0.0020752 ,  0.14550781,
        -0.08789062, -0.328125  , -0.09765625, -0.12890625, -0.04663086,
        -0.06933594, -0.1015625 , -0.06176758, -0.05566406, -0.25195312,
         0.05688477, -0.08935547,  0.0098877 ,  0.27539062,  0.00358582,
         0.22851562,  0.04443359, -0.09814453,  0.08691406, -0.20703125,
```

```
         0.00842285, -0.12011719,  0.04785156,  0.13671875,  0.00982666,
         0.01123047, -0.07519531, -0.00457764, -0.12353516,  0.03222656,
         0.09326172,  0.21191406,  0.09423828,  0.06103516, -0.0018158 ,
        -0.20214844, -0.18847656,  0.09521484, -0.04638672,  0.00732422,
         0.1796875 ,  0.05126953,  0.08544922,  0.17675781,  0.21875   ,
        -0.15722656,  0.02783203, -0.06542969, -0.0859375 , -0.02880859,
        -0.01599121,  0.15527344, -0.02526855,  0.0859375 , -0.11767578,
        -0.06176758,  0.08886719,  0.203125  ,  0.04077148,  0.25      ,
        -0.18261719,  0.18457031,  0.08447266,  0.05859375,  0.05957031,
        -0.08007812,  0.00253296,  0.09472656, -0.09326172,  0.08642578,
         0.01208496,  0.125     ,  0.01330566,  0.0234375 ,  0.05541992,
         0.11767578, -0.05297852,  0.00958252,  0.06982422,  0.00643921,
        -0.0006218 , -0.02905273, -0.05517578,  0.01782227, -0.32421875,
         0.08740234, -0.08886719, -0.11035156,  0.09179688,  0.34960938,
         0.06640625, -0.02807617,  0.03051758, -0.07519531, -0.01696777,
        -0.25585938, -0.08007812, -0.08300781,  0.11669922, -0.12207031,
        -0.21582031, -0.234375  , -0.03686523, -0.01544189,  0.09521484,
        -0.04272461, -0.16601562, -0.04150391, -0.03320312, -0.05566406,
        -0.08007812, -0.00500488,  0.10546875, -0.23730469, -0.06835938,
        -0.28515625,  0.06396484,  0.19238281,  0.18164062,  0.02539062,
         0.02453613, -0.03198242, -0.02380371, -0.16796875, -0.05419922,
        -0.08496094,  0.30664062, -0.04150391,  0.13867188, -0.05200195,
         0.10839844,  0.06591797, -0.24414062,  0.09863281,  0.01708984,
        -0.14160156,  0.18261719,  0.09130859, -0.14355469,  0.14160156,
         0.09863281,  0.00915527, -0.23144531, -0.06054688, -0.078125  ,
        -0.20996094, -0.03540039,  0.01391602, -0.26953125,  0.00061798,
        -0.18652344, -0.07617188, -0.14257812, -0.2890625 , -0.03344727,
        -0.23828125, -0.06640625,  0.11767578,  0.11230469, -0.22363281,
         0.01672363,  0.14746094, -0.18261719,  0.21777344,  0.0213623 ,
        -0.00157166, -0.14453125,  0.01519775, -0.01403809, -0.00146484,
         0.11621094,  0.04516602, -0.01507568, -0.1875    ,  0.04394531,
        -0.17675781, -0.08984375, -0.19335938, -0.05102539,  0.12597656,
        -0.00317383,  0.14355469, -0.07128906, -0.09716797,  0.05371094,
        -0.02111816, -0.12158203, -0.11865234,  0.01184082, -0.07519531,
         0.07617188, -0.14550781, -0.00320435, -0.00469971, -0.07714844,
        -0.10253906, -0.06054688,  0.03686523, -0.22558594,  0.17773438,
         0.07373047, -0.00204468, -0.04443359,  0.171875  , -0.20019531,
         0.05908203,  0.03808594,  0.203125  , -0.125     ,  0.03063965,
         0.00061417, -0.02282715,  0.07617188,  0.04882812, -0.0859375 ,
        -0.02062988,  0.09912109, -0.04321289, -0.0703125 , -0.0030365 ,
         0.13378906, -0.04467773,  0.11523438, -0.09521484, -0.11474609,
        -0.12988281, -0.26757812,  0.19238281, -0.09423828,  0.05957031,
        -0.18554688,  0.13867188, -0.06445312, -0.05200195, -0.12255859,
        -0.07617188,  0.01733398, -0.15429688,  0.10253906,  0.2890625 ,
         0.01599121,  0.02844238,  0.01190186, -0.21191406,  0.19335938,
        -0.17871094, -0.15527344, -0.04589844, -0.18261719,  0.01062012,
         0.08544922, -0.11621094, -0.2109375 , -0.17871094, -0.01916504,
         0.19238281,  0.01635742,  0.16210938,  0.11230469, -0.12402344,
        -0.20605469, -0.03540039,  0.07666016,  0.09423828, -0.03588867,
         0.07470703,  0.23730469, -0.31835938,  0.04614258,  0.20019531,
         0.05566406,  0.12451172, -0.07470703, -0.03173828,  0.0859375 ],
       dtype=float32),
 'utilize': array([-0.12158203,  0.02099609, -0.015625  ,  0.08398438, -0.0
6835938,
         0.14257812,  0.11376953, -0.06445312, -0.05810547, -0.125     ,
        -0.1484375 ,  0.05737305, -0.16113281,  0.30273438,  0.15039062,
        -0.15234375, -0.05395508,  0.13769531, -0.1328125 ,  0.16894531,
        -0.17578125,  0.03808594,  0.00747681,  0.29492188, -0.00765991,
        -0.11621094,  0.07910156,  0.08935547, -0.10449219, -0.26953125,
         0.11132812,  0.14257812, -0.1328125 , -0.04931641,  0.17285156,
        -0.0378418 , -0.05541992, -0.22265625,  0.14550781, -0.06445312,
         0.27929688,  0.37109375,  0.03149414,  0.02880859, -0.05981445,
        -0.32421875, -0.33007812,  0.02050781, -0.08544922,  0.16796875,
         0.01611328, -0.09130859,  0.0378418 , -0.23144531, -0.26757812,
```

```
        -0.07666016, -0.00897217, -0.20605469,  0.30273438,  0.0090332 ,
         0.02258301, -0.20605469, -0.16894531,  0.05541992,  0.11572266,
         0.10791016, -0.18164062,  0.05859375,  0.11230469,  0.19628906,
         0.06176758,  0.03039551,  0.359375  , -0.02648926,  0.10791016,
        -0.28320312,  0.01501465, -0.03662109, -0.20703125,  0.10400391,
         0.04394531,  0.05395508,  0.17871094,  0.03417969,  0.29296875,
         0.04174805, -0.20703125,  0.00982666, -0.08105469,  0.20214844,
        -0.07714844, -0.03125   ,  0.12402344, -0.02331543,  0.06933594,
        -0.13378906, -0.10839844,  0.22363281, -0.09472656,  0.02160645,
         0.05126953, -0.25976562,  0.14941406,  0.04296875,  0.04345703,
        -0.16015625, -0.11962891,  0.06152344,  0.05957031, -0.00160217,
        -0.18945312,  0.09814453, -0.19824219, -0.06738281,  0.17773438,
         0.08251953,  0.08642578, -0.06689453,  0.10742188, -0.19628906,
         0.20019531, -0.28320312,  0.0291748 ,  0.11865234, -0.04223633,
        -0.02026367, -0.14648438, -0.07714844,  0.0267334 , -0.05688477,
         0.08105469,  0.125     ,  0.08105469, -0.08349609,  0.06494141,
        -0.10595703,  0.14257812,  0.13867188, -0.02026367, -0.02624512,
         0.07910156, -0.03686523, -0.28125   ,  0.12304688,  0.15234375,
         0.03149414, -0.12597656, -0.16015625,  0.03149414,  0.0559082 ,
         0.10351562,  0.06152344,  0.05834961,  0.00817871, -0.01977539,
        -0.03515625,  0.00268555, -0.20214844, -0.12158203, -0.15332031,
         0.31835938, -0.00970459, -0.25976562, -0.27929688, -0.07177734,
        -0.20019531,  0.08056641, -0.10742188,  0.12109375, -0.14453125,
         0.02648926, -0.07763672, -0.00512695,  0.06542969,  0.22753906,
        -0.09375   ,  0.18847656, -0.32226562, -0.36132812, -0.10107422,
        -0.20117188, -0.05200195,  0.16992188,  0.02783203, -0.19140625,
        -0.30273438,  0.05419922, -0.21972656,  0.11425781,  0.046875  ,
        -0.21777344, -0.02819824,  0.01025391, -0.11132812, -0.02807617,
        -0.05444336,  0.12353516, -0.24609375, -0.06445312, -0.21875   ,
         0.08056641, -0.06396484, -0.08203125, -0.03271484, -0.37890625,
        -0.04589844, -0.03637695,  0.00064468, -0.0234375 ,  0.12451172,
         0.11572266,  0.14257812,  0.10595703,  0.13671875, -0.03442383,
         0.15917969,  0.296875  , -0.10839844, -0.18457031, -0.03979492,
         0.03491211,  0.04711914, -0.18164062,  0.04711914,  0.07324219,
         0.22363281, -0.08544922, -0.14746094, -0.07910156, -0.01708984,
         0.05981445,  0.140625  ,  0.18847656,  0.04980469,  0.16015625,
         0.03637695,  0.02819824, -0.02001953, -0.06396484,  0.17675781,
        -0.27539062,  0.07226562,  0.16699219, -0.23242188, -0.1171875 ,
         0.02502441, -0.1328125 ,  0.3671875 , -0.0112915 , -0.30273438,
         0.08447266,  0.05981445,  0.00367737,  0.08007812,  0.08886719,
        -0.06640625, -0.14160156,  0.10839844, -0.19238281, -0.01306152,
        -0.03393555,  0.05541992,  0.00088501,  0.20117188,  0.09716797,
        -0.02502441,  0.19433594,  0.05688477, -0.19628906,  0.04003906,
         0.11572266,  0.03808594, -0.0559082 ,  0.13671875,  0.14648438,
         0.07128906, -0.14257812, -0.20703125, -0.21875   , -0.09033203,
        -0.20800781,  0.1328125 ,  0.23535156, -0.04321289, -0.07861328,
        -0.00234985, -0.04296875, -0.10009766,  0.00210571, -0.13574219,
         0.00823975,  0.25390625, -0.06396484, -0.00357056, -0.08984375,
         0.02026367,  0.12109375, -0.15039062, -0.09472656,  0.00291443],
       dtype=float32),
 'rethink': array([-0.12402344, -0.15625   ,  0.12597656,  0.24511719, -0.2
9296875,
         0.08691406, -0.14941406, -0.07080078,  0.15234375,  0.05371094,
        -0.25      ,  0.02099609, -0.19628906,  0.11230469, -0.14648438,
         0.03491211,  0.15136719,  0.05175781, -0.15722656, -0.13769531,
         0.18066406, -0.02758789,  0.13085938,  0.06933594,  0.1875    ,
         0.35351562,  0.3359375 ,  0.07470703,  0.30078125, -0.17675781,
         0.19140625,  0.11474609, -0.27929688,  0.01696777,  0.0859375 ,
        -0.29101562,  0.19140625,  0.10107422,  0.11621094,  0.10791016,
         0.12792969,  0.00117493,  0.10693359, -0.25      , -0.01599121,
        -0.12695312, -0.24121094, -0.11572266,  0.09667969,  0.23925781,
        -0.125     ,  0.20019531, -0.09521484, -0.27929688, -0.30859375,
        -0.23535156, -0.05981445, -0.35546875,  0.00288391, -0.31445312,
        -0.15332031,  0.04077148,  0.00436401, -0.03466797,  0.05566406,
```

```
        -0.30273438,  0.02697754,  0.15527344, -0.09082031, -0.10253906,
        -0.29101562, -0.08300781,  0.18457031,  0.3671875 , -0.20800781,
        -0.00683594, -0.01635742,  0.24511719, -0.21582031,  0.125     ,
         0.12060547, -0.06445312, -0.01141357,  0.12890625,  0.01257324,
         0.00567627, -0.19140625,  0.23730469,  0.10595703,  0.03979492,
         0.09619141,  0.0234375 ,  0.015625  , -0.20410156,  0.00720215,
        -0.15039062,  0.00946045,  0.01019287,  0.10986328, -0.01806641,
         0.14257812,  0.23339844,  0.12207031,  0.203125  , -0.09521484,
        -0.08154297,  0.140625  , -0.06738281, -0.04663086,  0.00695801,
        -0.18261719, -0.26171875, -0.12353516,  0.13476562,  0.5078125 ,
        -0.30859375,  0.22460938, -0.11816406,  0.15234375,  0.07373047,
        -0.17773438, -0.05566406, -0.18847656,  0.27148438, -0.10888672,
        -0.17773438,  0.01031494,  0.04272461, -0.2421875 ,  0.09277344,
        -0.21972656, -0.32617188, -0.06933594, -0.12597656,  0.22851562,
         0.10449219,  0.19335938,  0.12988281, -0.23925781,  0.08154297,
         0.16601562, -0.24707031, -0.32226562,  0.19628906,  0.14550781,
         0.08886719,  0.05566406, -0.08740234, -0.07763672, -0.07128906,
         0.14160156, -0.30859375, -0.04101562, -0.12597656,  0.2265625 ,
        -0.27929688,  0.2578125 , -0.17871094, -0.03491211, -0.09863281,
         0.08105469, -0.01611328, -0.14355469, -0.40429688,  0.23828125,
         0.01599121,  0.13476562, -0.36914062,  0.12402344, -0.00097656,
         0.13769531,  0.01696777, -0.02502441,  0.22558594,  0.3359375 ,
         0.08154297,  0.328125  ,  0.08056641, -0.27734375,  0.18554688,
        -0.36328125,  0.08300781,  0.18945312, -0.06933594, -0.00378418,
        -0.00466919, -0.01696777,  0.20410156, -0.12109375,  0.11816406,
        -0.02856445, -0.09179688,  0.31054688,  0.06738281,  0.01470947,
        -0.2890625 ,  0.1796875 ,  0.07275391,  0.12011719,  0.03979492,
        -0.08007812, -0.09375   ,  0.01177979, -0.02307129, -0.06494141,
         0.09033203, -0.12695312, -0.01483154,  0.07226562,  0.02160645,
         0.03662109,  0.23535156,  0.20117188,  0.05249023, -0.21484375,
        -0.13671875,  0.11914062, -0.11083984,  0.03881836,  0.08544922,
        -0.14257812, -0.22460938, -0.10302734,  0.07910156,  0.15234375,
        -0.32421875, -0.17089844, -0.12402344, -0.07861328,  0.21484375,
        -0.20800781,  0.06445312,  0.09472656, -0.14648438,  0.02526855,
         0.07128906,  0.03662109, -0.31054688, -0.27148438, -0.04394531,
        -0.20117188, -0.06445312, -0.265625  , -0.08740234, -0.15625   ,
        -0.00512695, -0.15625   ,  0.0402832 ,  0.11621094, -0.04833984,
        -0.05078125,  0.30664062, -0.08496094,  0.02770996, -0.01721191,
        -0.06738281, -0.11376953,  0.21386719,  0.28515625,  0.10693359,
        -0.05395508,  0.01068115, -0.3046875 ,  0.18652344,  0.12011719,
        -0.06152344, -0.11132812, -0.10791016, -0.29882812, -0.1328125 ,
        -0.14648438,  0.296875  ,  0.28710938, -0.31445312,  0.15820312,
        -0.13476562, -0.11376953, -0.0133667 , -0.09619141,  0.17578125,
         0.2265625 , -0.17578125, -0.02502441, -0.17871094,  0.10205078,
         0.23730469, -0.17773438,  0.25390625,  0.01043701, -0.11572266,
         0.06591797,  0.16601562,  0.109375  ,  0.17089844, -0.3125    ,
        -0.2578125 ,  0.06640625,  0.13183594, -0.09375   ,  0.22167969],
       dtype=float32),
 'website': array([ 1.26647949e-03, -1.71875000e-01, -5.59082031e-02, -2.24
609375e-01,
         2.81250000e-01,  6.49414062e-02, -1.01928711e-02, -6.59179688e-02,
         3.71093750e-01, -3.33984375e-01, -7.12890625e-02, -3.08593750e-01,
        -1.61132812e-01,  1.01562500e-01,  1.22070312e-01, -1.68945312e-01,
        -9.61914062e-02, -1.81884766e-02, -6.07910156e-02,  8.60595703e-03,
         3.82812500e-01,  1.92382812e-01, -1.22070312e-01,  3.10546875e-01,
        -1.70898438e-01,  5.07812500e-02,  1.79687500e-01,  1.27929688e-01,
        -8.48388672e-03, -2.61718750e-01, -6.12792969e-02, -1.14257812e-01,
        -2.48046875e-01,  2.45361328e-02,  3.00781250e-01, -5.10253906e-02,
        -7.32421875e-02, -1.67236328e-02,  1.47460938e-01, -1.92382812e-01,
         4.07714844e-02,  1.04370117e-02, -3.53515625e-01,  2.83203125e-01,
         2.67578125e-01, -3.84765625e-01,  3.75976562e-02,  1.08886719e-01,
        -1.11328125e-01, -5.95703125e-02,  9.32617188e-02,  9.13085938e-02,
         2.36328125e-01,  7.27539062e-02,  9.81445312e-02, -1.15234375e-01,
        -9.17968750e-02, -2.59765625e-01, -9.13085938e-02,  2.96020508e-03,
```

```
         6.83593750e-02, -1.50390625e-01, -2.14843750e-01,  1.03027344e-01,
        -1.64062500e-01,  6.25000000e-02, -9.52148438e-02, -8.74023438e-02,
         4.55078125e-01,  3.14453125e-01, -7.86132812e-02, -1.12915039e-02,
        -9.81445312e-02,  8.30078125e-03,  1.88476562e-01, -2.66113281e-02,
         3.45703125e-01,  2.00195312e-01,  5.63964844e-02, -5.88378906e-02,
         2.31445312e-01, -5.12695312e-02, -6.22558594e-02,  3.19824219e-02,
         1.58203125e-01, -4.63867188e-02,  9.33837891e-03,  1.01074219e-01,
         1.38671875e-01,  7.12890625e-02,  4.22363281e-02, -1.15722656e-01,
        -2.77099609e-02, -3.20312500e-01, -1.15234375e-01,  1.34765625e-01,
        -6.68334961e-03, -9.76562500e-02,  1.67968750e-01,  3.18359375e-01,
         9.81445312e-02,  9.13085938e-02, -1.52343750e-01,  9.47265625e-02,
        -2.81982422e-02,  4.58984375e-02,  1.08642578e-02, -4.61425781e-02,
         1.68945312e-01,  2.80761719e-02, -1.33789062e-01, -4.24804688e-02,
        -1.46484375e-01, -2.49023438e-02, -3.93676758e-03, -1.04980469e-01,
        -3.16406250e-01,  2.28271484e-02,  3.33984375e-01,  9.17968750e-02,
        -2.83203125e-02, -8.00781250e-02, -2.55859375e-01,  7.91015625e-02,
         6.49414062e-02,  1.51367188e-01, -3.65234375e-01, -4.88281250e-02,
         2.05078125e-01,  1.40380859e-02, -1.66015625e-01, -3.47656250e-01,
        -1.08886719e-01,  8.78906250e-02, -4.49218750e-02, -2.17773438e-01,
        -1.04980469e-02, -8.49609375e-02, -7.76367188e-02,  1.39648438e-01,
         4.29687500e-02, -5.37109375e-02,  1.34765625e-01, -2.18750000e-01,
         1.14746094e-01, -1.00097656e-01, -1.06933594e-01, -1.27929688e-01,
        -1.09863281e-01, -6.78710938e-02,  7.22656250e-02,  1.80664062e-01,
         6.12792969e-02, -1.46484375e-01,  2.73437500e-01, -1.95312500e-01,
        -7.17773438e-02, -9.42382812e-02, -2.34375000e-01,  1.86767578e-02,
         1.62109375e-01,  2.89062500e-01, -1.77001953e-02,  6.93359375e-02,
         2.55859375e-01, -1.72851562e-01, -9.57031250e-02, -8.88671875e-02,
        -1.33789062e-01,  1.67968750e-01,  6.93359375e-02,  2.45361328e-02,
         2.71484375e-01,  8.15429688e-02,  1.09863281e-02, -3.06640625e-01,
         7.95898438e-02, -1.94335938e-01, -6.49414062e-02, -3.59375000e-01,
        -1.11816406e-01, -3.24218750e-01,  6.93359375e-02, -2.36816406e-02,
         2.34375000e-02, -5.88378906e-02, -4.94140625e-01,  2.05078125e-01,
         5.15747070e-03, -9.96093750e-02,  2.11914062e-01,  3.56445312e-02,
        -2.87109375e-01,  2.84423828e-02, -3.05175781e-02,  1.07421875e-01,
        -1.47094727e-02,  1.22070312e-01, -7.81250000e-02, -1.38671875e-01,
        -1.78710938e-01,  2.81250000e-01,  1.52587891e-03,  1.39648438e-01,
         2.22656250e-01, -5.83496094e-02,  1.80664062e-01,  1.49414062e-01,
        -1.51367188e-01,  3.51562500e-01, -6.15234375e-02,  3.78417969e-02,
        -1.67968750e-01,  7.32421875e-02, -3.38745117e-03,  2.10937500e-01,
        -8.54492188e-03, -4.46777344e-02, -2.79541016e-02,  1.30004883e-02,
         3.30078125e-01, -7.86132812e-02, -1.19018555e-02,  6.17675781e-02,
        -4.80957031e-02, -3.04687500e-01, -6.54296875e-02,  6.88476562e-02,
        -1.46484375e-01,  1.27929688e-01, -8.83789062e-02,  5.83496094e-02,
        -4.24194336e-03, -9.27734375e-02,  1.19140625e-01, -7.22656250e-02,
         2.87109375e-01,  7.50732422e-03,  1.31835938e-02,  1.75781250e-02,
         1.67968750e-01,  9.39941406e-03, -4.10156250e-02, -3.95507812e-02,
         1.66992188e-01,  1.22680664e-02,  1.87500000e-01,  2.81250000e-01,
        -2.38037109e-02, -8.10546875e-02,  7.42187500e-02,  1.62109375e-01,
        -6.80541992e-03, -1.80664062e-01,  1.66015625e-01, -3.71093750e-02,
        -1.72851562e-01,  2.29492188e-01, -1.67968750e-01, -9.91210938e-02,
         2.19726562e-01, -5.44433594e-02,  3.04687500e-01,  4.44335938e-02,
        -2.46582031e-02,  4.98046875e-02, -1.05957031e-01, -9.91210938e-02,
        -2.55126953e-02, -1.80664062e-01,  2.83203125e-01,  2.71484375e-01,
         9.47265625e-02,  1.23046875e-01, -9.37500000e-02, -7.47070312e-02,
         1.52587891e-02, -6.59179688e-02,  2.09960938e-01,  1.43554688e-01,
         3.02791595e-05,  1.36718750e-01, -2.08984375e-01,  1.77734375e-01,
         1.01562500e-01, -4.68750000e-02, -2.71484375e-01,  2.96875000e-01,
         2.06054688e-01,  4.44335938e-02,  3.33984375e-01,  1.27929688e-01,
        -1.61132812e-01,  1.67968750e-01,  5.51757812e-02, -1.38671875e-01,
         1.90429688e-01, -9.57031250e-02, -9.37500000e-02, -2.96875000e-0
1],
       dtype=float32),
 'enter': array([-0.12451172, -0.01391602, -0.18359375,  0.10205078, -0.128
90625,
```

```
         0.1484375 , -0.1328125 , -0.16210938,  0.0703125 , -0.23046875,
        -0.25585938, -0.19921875,  0.0402832 ,  0.12158203, -0.1640625 ,
        -0.20019531,  0.09130859, -0.12158203,  0.02905273, -0.08007812,
        -0.04394531,  0.17578125, -0.18164062,  0.19042969,  0.10253906,
        -0.11767578,  0.16601562, -0.02844238, -0.00598145, -0.07958984,
         0.10302734,  0.09375   , -0.12158203, -0.24609375, -0.01489258,
        -0.05566406, -0.13671875,  0.02868652,  0.0279541 ,  0.02709961,
        -0.15820312, -0.0859375 ,  0.18457031,  0.06494141,  0.02600098,
         0.04467773, -0.27148438,  0.234375  , -0.38476562,  0.171875  ,
        -0.27734375,  0.15722656,  0.02783203, -0.19726562,  0.12207031,
        -0.22265625,  0.04541016, -0.17871094,  0.10107422, -0.09960938,
         0.0189209 , -0.24707031, -0.06152344,  0.03295898, -0.24707031,
        -0.07568359,  0.20019531,  0.10546875, -0.2578125 ,  0.28710938,
        -0.03759766,  0.18652344,  0.3359375 , -0.04760742,  0.08251953,
        -0.390625  , -0.0057373 , -0.00228882, -0.02416992,  0.11230469,
        -0.0402832 , -0.13769531, -0.02062988,  0.18359375,  0.14550781,
         0.11181641, -0.22167969,  0.10839844, -0.09423828,  0.11279297,
         0.03686523, -0.1171875 , -0.05102539, -0.30859375,  0.20507812,
        -0.06225586,  0.15039062,  0.24609375,  0.02929688,  0.02075195,
        -0.00311279, -0.15820312, -0.05322266,  0.00717163,  0.00323486,
        -0.29296875,  0.02783203, -0.21875   , -0.10546875,  0.33203125,
         0.00396729,  0.12158203, -0.18652344, -0.328125  ,  0.09716797,
         0.03833008,  0.14257812, -0.21972656,  0.3828125 ,  0.08251953,
         0.12988281, -0.20898438, -0.27539062,  0.18359375,  0.03735352,
         0.03466797,  0.06933594, -0.07128906,  0.11816406,  0.11523438,
         0.00300598, -0.10498047,  0.10498047,  0.10449219,  0.10400391,
         0.02087402, -0.08544922, -0.16210938, -0.01013184, -0.1328125 ,
        -0.15039062,  0.03198242, -0.30078125,  0.09667969, -0.00604248,
         0.0625    , -0.04370117, -0.20410156, -0.26171875, -0.01391602,
        -0.01745605, -0.04125977,  0.00282288, -0.03613281, -0.15820312,
        -0.05639648,  0.08642578, -0.24414062, -0.08300781,  0.20117188,
        -0.15039062, -0.24902344, -0.09521484, -0.4296875 , -0.02001953,
        -0.20800781,  0.02050781, -0.16113281, -0.10009766, -0.11328125,
        -0.07128906, -0.22949219, -0.0123291 , -0.18359375, -0.04394531,
        -0.03344727,  0.09423828,  0.00302124, -0.17089844, -0.05175781,
        -0.13867188, -0.08398438, -0.11083984,  0.00540161,  0.02282715,
        -0.15039062,  0.18847656,  0.07373047, -0.02392578,  0.23730469,
         0.0201416 , -0.01257324,  0.12695312, -0.05029297,  0.11621094,
         0.20703125, -0.0201416 ,  0.05810547, -0.14550781, -0.11083984,
         0.31445312, -0.125     , -0.10742188, -0.11669922, -0.21484375,
        -0.11328125,  0.18847656, -0.15722656,  0.14550781, -0.11914062,
         0.07128906,  0.21484375,  0.16015625,  0.05493164, -0.24023438,
         0.26757812,  0.2734375 , -0.265625  ,  0.08398438, -0.13867188,
        -0.06176758,  0.04760742, -0.10595703,  0.07226562,  0.36328125,
         0.06176758,  0.27734375, -0.0123291 , -0.01989746, -0.05517578,
         0.11621094, -0.11816406, -0.18359375,  0.18945312,  0.01220703,
         0.08105469,  0.07861328, -0.12792969,  0.03369141,  0.05004883,
        -0.19824219,  0.16601562, -0.25195312,  0.02978516,  0.01843262,
        -0.07714844,  0.03295898,  0.19042969, -0.03076172, -0.01599121,
         0.20410156, -0.046875  ,  0.04370117,  0.07714844, -0.16015625,
         0.25195312,  0.36523438, -0.10400391, -0.16015625,  0.13574219,
         0.16894531, -0.17871094,  0.0246582 ,  0.25      ,  0.27539062,
         0.02001953,  0.29296875,  0.20605469,  0.10449219, -0.03979492,
        -0.06396484,  0.22949219,  0.01031494,  0.22949219,  0.29882812,
        -0.28515625, -0.06103516, -0.2890625 , -0.15332031,  0.09326172,
         0.12451172, -0.06884766, -0.21679688, -0.02026367,  0.3046875 ,
         0.14746094, -0.07324219,  0.11669922, -0.23144531,  0.01287842,
        -0.1640625 ,  0.28515625, -0.04125977, -0.05151367, -0.05224609,
         0.00076675,  0.18554688, -0.23339844, -0.13769531, -0.1875    ],
       dtype=float32),
 'session': array([ 1.12304688e-02,  2.97851562e-02, -1.54296875e-01,  4.66
308594e-02,
        -6.59179688e-02, -9.37500000e-02,  1.14257812e-01, -1.51977539e-02,
         6.10351562e-02,  9.66796875e-02,  6.29882812e-02,  2.27539062e-01,
```

```
 1.93359375e-01, -1.03027344e-01, -2.40234375e-01,  1.54296875e-01,
 2.25585938e-01,  5.12695312e-02,  2.67578125e-01, -2.01171875e-01,
 3.94531250e-01,  2.27539062e-01, -1.83593750e-01, -3.95507812e-02,
-2.27539062e-01,  4.66308594e-02, -3.46679688e-02,  1.61132812e-01,
-2.02636719e-02,  1.40625000e-01, -1.04980469e-01,  9.17968750e-02,
 8.15429688e-02, -8.98437500e-02, -4.19921875e-02, -4.63867188e-02,
-7.61718750e-02,  4.15039062e-02,  5.73730469e-02, -1.41601562e-01,
-4.44335938e-02,  6.12792969e-02,  3.94531250e-01,  2.13867188e-01,
-1.14746094e-01, -1.09863281e-01, -9.91210938e-02,  1.10351562e-01,
-1.83105469e-02,  2.85156250e-01,  2.02148438e-01, -1.22070312e-01,
 1.95312500e-02,  1.34765625e-01,  5.71289062e-02,  2.34375000e-01,
 3.58886719e-02, -4.05273438e-02,  2.63671875e-01, -3.16406250e-01,
-1.19140625e-01, -1.07421875e-01, -9.52148438e-03, -1.35742188e-01,
-1.02539062e-01,  1.86767578e-02, -1.35742188e-01, -3.17382812e-02,
 2.44140625e-01, -1.11816406e-01, -2.25830078e-02, -7.51953125e-02,
 4.98046875e-02,  2.73437500e-01, -1.03515625e-01,  3.17382812e-02,
 1.55273438e-01,  1.03515625e-01,  3.83300781e-02, -1.16699219e-01,
-1.19628906e-01, -4.58984375e-02, -1.42578125e-01,  2.09960938e-02,
 2.55859375e-01, -4.32128906e-02, -1.59179688e-01, -1.61132812e-01,
 3.32031250e-02,  1.41601562e-01, -8.39843750e-02,  1.48437500e-01,
-6.93359375e-02,  8.34960938e-02, -1.13769531e-01, -4.12597656e-02,
 1.84631348e-03,  2.18750000e-01, -5.00488281e-02, -2.41699219e-02,
 2.77343750e-01, -2.92968750e-01, -3.30078125e-01,  3.22265625e-01,
-1.97265625e-01, -2.07031250e-01,  6.68945312e-02, -7.44628906e-03,
-1.17187500e-01, -1.18164062e-01,  4.06250000e-01,  1.28906250e-01,
 9.32617188e-02,  1.11103058e-04,  2.00195312e-01, -1.67968750e-01,
 4.00390625e-01, -3.10546875e-01,  2.81250000e-01, -1.78710938e-01,
-1.94091797e-02, -5.05371094e-02,  8.39843750e-02,  4.00390625e-02,
 3.95507812e-02, -6.34765625e-02, -6.83593750e-02,  4.80957031e-02,
 1.70898438e-01,  2.50000000e-01,  5.44433594e-02, -2.06054688e-01,
 1.07910156e-01, -2.91015625e-01,  3.19824219e-02, -1.74804688e-01,
 2.31933594e-02,  1.38671875e-01, -1.48437500e-01, -1.73828125e-01,
 2.09960938e-01,  1.53320312e-01, -4.02832031e-03, -2.10937500e-01,
-2.08984375e-01, -7.51953125e-02, -6.01196289e-03, -3.00781250e-01,
 2.39257812e-01,  1.33789062e-01,  1.92382812e-01,  1.33789062e-01,
 3.06396484e-02,  1.94335938e-01,  2.16796875e-01, -2.44140625e-01,
-1.02050781e-01, -2.35351562e-01, -2.05078125e-01, -2.06054688e-01,
 5.66406250e-02,  2.98828125e-01,  1.49414062e-01,  2.63671875e-02,
-4.19921875e-01,  1.01074219e-01,  5.56640625e-02,  2.16796875e-01,
 2.79296875e-01,  2.72216797e-02, -1.48437500e-01,  2.57812500e-01,
-1.53320312e-01, -1.34765625e-01,  8.30078125e-02, -4.55078125e-01,
 8.54492188e-02,  2.63671875e-01, -9.42382812e-02, -6.28662109e-03,
 6.39648438e-02,  2.15820312e-01, -1.44653320e-02,  2.51953125e-01,
 1.47460938e-01,  7.81250000e-02, -1.01074219e-01, -1.33789062e-01,
 3.55468750e-01,  1.19628906e-01,  1.20605469e-01,  8.44726562e-02,
 5.32226562e-02,  9.52148438e-02, -3.88183594e-02, -6.64062500e-02,
 2.56347656e-02, -1.06445312e-01,  1.90429688e-02, -5.78613281e-02,
 2.79296875e-01,  8.34960938e-02, -9.47265625e-02, -4.34570312e-02,
 3.76953125e-01, -1.90429688e-01, -1.78710938e-01,  7.42187500e-02,
 1.26953125e-01, -1.64062500e-01, -3.24707031e-02, -2.69531250e-01,
-2.79296875e-01, -6.54296875e-02, -2.45117188e-01,  2.30468750e-01,
 1.90429688e-01, -5.88378906e-02, -1.70898438e-01,  4.71191406e-02,
-1.54296875e-01,  1.54296875e-01,  4.58984375e-02, -8.11767578e-03,
-8.59375000e-02, -5.34667969e-02,  1.82617188e-01, -7.66601562e-02,
 8.64257812e-02,  2.12890625e-01,  1.69921875e-01,  8.74023438e-02,
-2.41699219e-02,  7.56835938e-02,  3.83300781e-02,  2.08007812e-01,
-6.22558594e-02,  3.41796875e-01, -3.35693359e-03, -6.98089600e-04,
 3.37890625e-01,  1.82617188e-01, -9.66796875e-02, -1.17187500e-01,
 1.28906250e-01, -1.20117188e-01, -1.69677734e-02, -2.64892578e-02,
 2.28515625e-01,  1.58203125e-01, -1.04003906e-01,  1.52343750e-01,
-1.62109375e-01,  2.45361328e-02, -4.68750000e-02,  1.97265625e-01,
 1.83593750e-01, -1.09863281e-01, -7.35473633e-03,  2.20703125e-01,
-1.68945312e-01,  1.00097656e-01,  2.69531250e-01, -1.02050781e-01,
-3.17382812e-02,  1.74804688e-01,  1.19628906e-01,  2.83203125e-01,
```

```
        -4.12109375e-01,  5.85937500e-02, -1.36718750e-01, -4.63867188e-02,
        -1.24511719e-01, -6.93359375e-02,  1.58203125e-01,  3.51562500e-02,
        -1.17187500e-01, -2.51953125e-01, -3.35937500e-01,  1.37695312e-01,
         3.12500000e-01,  8.78906250e-02, -2.30712891e-02,  4.88281250e-01,
         1.51367188e-01, -3.80859375e-01,  7.59887695e-03,  5.07812500e-02,
         4.10156250e-02,  1.44531250e-01, -6.83593750e-02, -1.54296875e-01,
         2.01171875e-01,  2.47802734e-02,  3.29589844e-02, -1.75781250e-01,
        -2.16796875e-01,  2.65625000e-01, -1.81640625e-01,  5.49316406e-0
2],
       dtype=float32),
 'note': array([-8.74023438e-02,  2.53906250e-01, -2.17773438e-01, -1.35742
188e-01,
        -1.44531250e-01,  8.44726562e-02,  2.79296875e-01, -8.54492188e-02,
         2.01171875e-01, -2.11181641e-02,  6.44531250e-02, -2.55859375e-01,
         1.02539062e-01,  9.32617188e-02, -4.88281250e-02, -2.18505859e-02,
        -6.34765625e-02,  5.12695312e-02,  1.74804688e-01, -7.61718750e-02,
         5.46875000e-01,  8.36181641e-03,  4.22363281e-02, -1.04003906e-01,
         2.41699219e-02, -1.11816406e-01,  7.61718750e-02, -2.41210938e-01,
        -9.47265625e-02,  1.92382812e-01, -7.42187500e-02, -8.98437500e-02,
         2.49023438e-02,  8.88671875e-02, -5.29785156e-02,  1.15234375e-01,
         4.71191406e-02,  9.91210938e-02, -3.16619873e-04,  1.25732422e-02,
         9.37500000e-02,  7.12890625e-02,  2.69531250e-01,  2.38281250e-01,
        -1.74804688e-01, -1.48315430e-02, -4.37011719e-02,  6.88476562e-02,
        -3.98437500e-01, -5.02929688e-02,  6.59179688e-02,  2.96630859e-02,
        -1.95312500e-01,  8.74023438e-02,  2.97851562e-02, -7.61718750e-02,
        -2.69775391e-02, -5.12695312e-02,  2.50244141e-02, -1.80664062e-01,
        -9.81445312e-02,  1.98242188e-01,  3.54003906e-02,  1.88476562e-01,
         3.90625000e-02, -4.68750000e-02, -5.61523438e-02, -8.78906250e-02,
         1.75781250e-01,  3.37890625e-01, -8.54492188e-02, -2.39257812e-02,
         2.55859375e-01,  7.61718750e-02,  6.07910156e-02,  1.93359375e-01,
         1.09863281e-02,  1.08398438e-01,  1.34765625e-01,  2.83203125e-01,
         1.56250000e-02, -2.03125000e-01,  7.32421875e-02, -1.66015625e-01,
        -1.68945312e-01,  8.34960938e-02, -7.47070312e-02,  2.72216797e-02,
        -2.69531250e-01,  4.98046875e-02,  3.90625000e-02, -1.75781250e-01,
         3.22265625e-01,  1.61132812e-02, -1.71875000e-01, -1.99218750e-01,
         1.10351562e-01,  3.32031250e-01, -9.86328125e-02, -2.05078125e-01,
        -2.18750000e-01, -3.32031250e-01,  8.72802734e-03,  2.31933594e-02,
         1.27929688e-01,  1.20117188e-01, -1.09375000e-01, -1.43554688e-01,
         5.39550781e-02,  2.89306641e-02, -2.65625000e-01, -8.34960938e-02,
        -9.57031250e-02,  1.60156250e-01,  1.66015625e-02, -3.61328125e-02,
         1.17187500e-02,  3.93066406e-02,  2.81250000e-01,  1.91406250e-01,
        -2.14843750e-01, -2.70996094e-02, -3.73046875e-01,  8.59375000e-02,
         8.00781250e-02, -1.04003906e-01,  4.76074219e-02, -1.54296875e-01,
         2.27050781e-02,  2.96875000e-01,  1.00097656e-01, -9.32617188e-02,
         5.24902344e-02, -4.76074219e-02,  2.24609375e-01,  7.12890625e-02,
        -2.11914062e-01,  4.60815430e-03,  9.15527344e-03,  1.21582031e-01,
         8.49609375e-02,  2.30712891e-02,  4.95605469e-02, -2.63671875e-01,
        -3.56445312e-02,  2.81250000e-01,  8.83789062e-02, -1.53320312e-01,
         3.68652344e-02, -8.34960938e-02, -1.92382812e-01,  2.68554688e-02,
        -7.56835938e-02, -2.08984375e-01, -1.07421875e-01, -1.21093750e-01,
        -2.23632812e-01,  1.07421875e-01, -2.06054688e-01, -1.17797852e-02,
         2.96630859e-02, -3.12500000e-02,  9.32617188e-02, -2.62451172e-02,
         1.36718750e-01,  6.59179688e-02,  2.26562500e-01, -8.48388672e-03,
        -2.69531250e-01,  1.50756836e-02, -1.27929688e-01, -2.14843750e-02,
         6.44531250e-02, -1.75781250e-01,  4.49218750e-02, -1.84570312e-01,
         1.03515625e-01, -1.09863281e-01,  1.38671875e-01, -2.31933594e-02,
        -2.21679688e-01,  6.73828125e-02,  1.83105469e-02,  3.41796875e-01,
         1.25122070e-02,  1.12915039e-02,  1.01074219e-01,  5.49316406e-02,
        -7.12890625e-02,  1.18652344e-01, -1.11816406e-01, -1.25000000e-01,
        -2.81250000e-01, -1.63085938e-01, -9.27734375e-02,  2.91748047e-02,
        -7.32421875e-02,  1.28906250e-01,  5.05371094e-02,  8.69140625e-02,
        -6.22558594e-03,  9.27734375e-02, -4.12109375e-01,  1.30859375e-01,
        -1.60156250e-01,  7.71484375e-02, -3.53515625e-01,  2.94921875e-01,
        -3.25012207e-03, -2.12402344e-02,  1.76757812e-01,  1.12915039e-02,
```

```
        -1.63085938e-01, -1.61132812e-02, -3.30078125e-01, -1.91650391e-02,
         2.43164062e-01,  1.72851562e-01, -1.23535156e-01, -1.74804688e-01,
         3.16406250e-01,  3.00781250e-01, -3.10546875e-01, -5.29785156e-02,
        -9.88769531e-03,  1.94335938e-01, -3.73535156e-02, -2.33398438e-01,
         1.03149414e-02,  1.29882812e-01,  1.66015625e-01, -1.13769531e-01,
        -4.54101562e-02, -1.24023438e-01, -2.32421875e-01,  1.27929688e-01,
        -7.66601562e-02, -2.70996094e-02,  1.64062500e-01, -9.66796875e-02,
         3.24218750e-01, -4.10156250e-02,  1.64062500e-01, -1.41601562e-01,
         3.83300781e-02,  1.77734375e-01,  3.68652344e-02,  1.44531250e-01,
         9.76562500e-02,  2.41210938e-01, -3.71093750e-01,  1.19140625e-01,
         9.42382812e-02, -8.64257812e-02,  1.19018555e-02, -3.06640625e-01,
         1.38671875e-01,  2.73437500e-01,  3.83300781e-02,  1.56250000e-01,
         2.08984375e-01,  2.51953125e-01, -2.08007812e-01, -1.84570312e-01,
        -7.32421875e-02,  3.06640625e-01, -3.14453125e-01, -8.34960938e-02,
        -1.50390625e-01,  1.23596191e-03,  1.80664062e-01, -1.63085938e-01,
         1.01562500e-01, -1.36718750e-01,  3.50952148e-03,  3.51562500e-02,
        -2.44140625e-01, -9.76562500e-03,  2.24609375e-02,  7.51953125e-02,
         4.56542969e-02,  1.51977539e-02, -2.67578125e-01,  9.32617188e-02,
         1.06933594e-01, -1.32812500e-01, -6.68945312e-02,  1.50756836e-02,
        -1.71875000e-01,  5.78613281e-02,  3.95507812e-02, -1.02539062e-02,
         1.37695312e-01, -1.76757812e-01, -1.09863281e-02, -2.83203125e-01,
         2.49023438e-02, -6.93359375e-02, -3.02124023e-03,  2.38037109e-0
2],
       dtype=float32),
 'consultation': array([-3.12500000e-01,  1.35742188e-01,  4.22363281e-02,
1.67236328e-02,
        -2.73132324e-03,  1.25000000e-01, -1.58691406e-02, -2.02148438e-01,
         3.00781250e-01, -1.23535156e-01, -1.18652344e-01,  1.99218750e-01,
        -1.19628906e-01,  4.05273438e-02, -6.78710938e-02,  6.34765625e-02,
         2.05078125e-01,  4.27246094e-02, -1.38549805e-02, -3.76953125e-01,
         2.51953125e-01, -1.22833252e-03,  6.34765625e-03,  1.47460938e-01,
        -1.58203125e-01,  3.76953125e-01, -2.71484375e-01, -1.47460938e-01,
         2.06054688e-01, -3.86718750e-01, -8.00781250e-02, -1.10839844e-01,
        -5.10253906e-02, -6.20117188e-02,  1.79687500e-01, -1.39648438e-01,
         8.00781250e-02, -1.31835938e-01, -9.08203125e-02, -3.04687500e-01,
        -1.49414062e-01, -2.77099609e-02, -1.75781250e-01,  9.52148438e-02,
        -2.17773438e-01, -3.82812500e-01, -8.59375000e-02, -6.49414062e-02,
        -4.86328125e-01,  5.37109375e-02,  1.43554688e-01, -1.04522705e-03,
        -8.10546875e-02,  6.54296875e-02, -2.35351562e-01,  1.89208984e-02,
        -1.47460938e-01, -1.20605469e-01, -7.89642334e-04,  1.21093750e-01,
        -5.15625000e-01, -2.07519531e-03,  6.07910156e-02, -1.04003906e-01,
        -2.14843750e-01,  1.21093750e-01, -2.89062500e-01,  1.25976562e-01,
         1.10351562e-01, -2.40234375e-01, -1.05468750e-01, -1.76757812e-01,
         1.26953125e-01,  1.49414062e-01, -6.25000000e-02, -6.10351562e-02,
         9.71679688e-02,  7.03125000e-02,  1.58203125e-01,  4.57031250e-01,
        -1.26342773e-02, -2.09960938e-01, -6.93359375e-02,  8.20312500e-02,
         4.71191406e-02,  4.37011719e-02, -9.96093750e-02, -8.25195312e-02,
         4.06250000e-01,  1.11328125e-01,  1.90429688e-01, -1.01074219e-01,
         3.96728516e-03,  8.42285156e-03, -2.11914062e-01, -1.44531250e-01,
        -5.85937500e-02, -3.47656250e-01,  6.20117188e-02, -3.78417969e-02,
         4.85839844e-02, -1.43554688e-01, -5.73730469e-02,  3.00781250e-01,
        -3.10058594e-02,  8.15429688e-02,  1.57226562e-01,  1.29882812e-01,
         1.82617188e-01, -1.64062500e-01, -5.46875000e-02,  1.08886719e-01,
        -1.05957031e-01, -1.67236328e-02,  3.68652344e-02, -3.35937500e-01,
        -7.47070312e-02,  2.25830078e-02,  3.12500000e-01, -3.44238281e-02,
        -1.84326172e-02,  1.09375000e-01, -3.61328125e-01,  4.04296875e-01,
        -1.45507812e-01,  8.85009766e-03, -6.59179688e-02, -6.93359375e-02,
        -4.08935547e-03,  4.55078125e-01, -9.61914062e-02,  6.86645508e-03,
        -1.41601562e-01, -9.47265625e-02, -5.15136719e-02,  7.17773438e-02,
        -1.68945312e-01,  2.65625000e-01, -6.64062500e-02, -7.56835938e-02,
        -9.13085938e-02,  5.03906250e-01, -2.44140625e-01, -1.00585938e-01,
        -1.24511719e-02,  1.92382812e-01, -9.57031250e-02,  2.90527344e-02,
        -2.01171875e-01,  8.44726562e-02,  1.44531250e-01, -1.51367188e-01,
         4.95605469e-02,  1.68945312e-01,  4.16015625e-01, -4.60937500e-01,
```

```
         2.36328125e-01, -2.48046875e-01, -2.13867188e-01, -8.30078125e-02,
        -6.44531250e-02,  4.41406250e-01, -1.19628906e-02, -9.27734375e-02,
        -1.80664062e-01, -1.97265625e-01,  3.29589844e-02, -1.08032227e-02,
        -1.53320312e-01, -3.86718750e-01, -1.17675781e-01, -1.23535156e-01,
         1.61132812e-01,  8.39843750e-02,  1.16699219e-01, -1.92382812e-01,
         2.96875000e-01, -1.78710938e-01, -2.16064453e-02,  2.26562500e-01,
        -1.60156250e-01, -5.81054688e-02,  7.08007812e-02,  6.10351562e-02,
         3.96728516e-04, -5.76171875e-02, -8.88671875e-02, -1.55639648e-02,
         2.23632812e-01, -2.09045410e-03, -2.30468750e-01, -1.76757812e-01,
         1.00585938e-01,  1.18164062e-01,  2.28515625e-01, -3.06640625e-01,
        -5.76782227e-03, -1.06445312e-01,  6.59179688e-02,  7.51953125e-02,
        -4.93164062e-02,  1.71875000e-01,  6.59179688e-02,  5.27343750e-02,
        -5.90820312e-02,  5.37109375e-02, -7.03125000e-02, -9.76562500e-04,
         3.86718750e-01,  1.72119141e-02,  9.86328125e-02, -4.43359375e-01,
         2.63671875e-01, -3.93066406e-02, -1.74804688e-01, -2.20703125e-01,
         9.96093750e-02,  1.20117188e-01,  1.81640625e-01,  1.86523438e-01,
        -1.21093750e-01,  1.30859375e-01, -1.71875000e-01,  1.24511719e-01,
         3.05175781e-02, -2.51953125e-01, -1.86157227e-03,  1.24511719e-02,
         2.22167969e-02,  1.12304688e-01,  1.86523438e-01, -2.73437500e-01,
         2.57812500e-01, -7.32421875e-02,  2.42187500e-01,  2.51953125e-01,
         2.46093750e-01,  2.32421875e-01,  1.99218750e-01, -1.10839844e-01,
        -2.14843750e-01, -3.80859375e-01, -1.30462646e-03, -1.25976562e-01,
         9.52148438e-02, -8.00781250e-02, -2.77343750e-01,  4.90722656e-02,
         1.27929688e-01,  1.74804688e-01,  5.90820312e-02,  1.06933594e-01,
         6.20117188e-02,  4.00390625e-02,  2.65625000e-01,  1.62109375e-01,
        -5.66406250e-02, -4.39453125e-02, -4.05883789e-03, -1.22558594e-01,
         6.05468750e-02, -7.42187500e-02, -1.49414062e-01, -1.05468750e-01,
        -1.45507812e-01, -1.23535156e-01,  1.01928711e-02,  1.39617920e-03,
        -2.21679688e-01,  3.54003906e-02, -7.95898438e-02,  3.59375000e-01,
         9.47265625e-02,  1.31835938e-01,  5.46875000e-02, -1.89208984e-02,
         9.76562500e-02,  1.55273438e-01,  5.22460938e-02,  2.06054688e-01,
         1.47460938e-01, -1.79687500e-01,  2.32421875e-01,  4.96093750e-01,
         2.61718750e-01, -1.44531250e-01, -3.03955078e-02,  1.73828125e-01,
         1.56250000e-01, -1.64062500e-01, -1.96289062e-01, -1.50390625e-01,
         2.38281250e-01,  1.00585938e-01,  5.05371094e-02,  1.55273438e-01,
        -1.51367188e-01, -2.35351562e-01, -3.39843750e-01, -9.61914062e-0
2],
       dtype=float32),
 'maintain': array([-0.07470703,  0.08740234, -0.28125   ,  0.05249023, -0.
06396484,
        -0.02331543,  0.16503906, -0.03063965, -0.09375   , -0.11621094,
        -0.30859375, -0.04248047, -0.09521484,  0.453125  , -0.14746094,
        -0.0534668 , -0.12597656,  0.08349609, -0.24511719,  0.0065918 ,
         0.02270508, -0.21386719,  0.01141357, -0.03112793,  0.04541016,
        -0.07275391, -0.17578125,  0.16894531,  0.06079102, -0.17773438,
         0.27929688, -0.22851562, -0.11132812, -0.04858398, -0.00335693,
        -0.19433594,  0.06542969,  0.03491211,  0.08105469,  0.09228516,
         0.05249023,  0.02050781,  0.00631714, -0.07714844, -0.20507812,
        -0.12207031, -0.01867676, -0.00424194, -0.08691406,  0.10449219,
        -0.07519531,  0.02246094, -0.03491211, -0.07080078, -0.06738281,
         0.11230469, -0.37109375, -0.17382812, -0.20703125, -0.23046875,
        -0.05175781, -0.02404785, -0.24804688, -0.11083984,  0.05615234,
         0.29492188, -0.02099609,  0.09863281, -0.00753784,  0.13769531,
        -0.12109375,  0.18652344,  0.11523438, -0.04296875, -0.03686523,
        -0.21484375, -0.02001953, -0.328125  , -0.16015625,  0.27734375,
         0.109375  , -0.1171875 , -0.02319336, -0.0324707 , -0.109375  ,
         0.13085938, -0.24414062,  0.25976562, -0.16796875,  0.26953125,
         0.02099609, -0.09814453,  0.13476562, -0.16796875, -0.00340271,
        -0.26757812, -0.04394531,  0.1328125 , -0.05908203,  0.09912109,
         0.01544189,  0.04589844,  0.08691406,  0.140625  ,  0.00714111,
        -0.16308594, -0.19433594, -0.00491333, -0.0456543 ,  0.20605469,
        -0.08056641, -0.04907227, -0.47851562, -0.08740234, -0.02966309,
         0.03979492,  0.08740234, -0.02636719,  0.0168457 , -0.03466797,
         0.17675781, -0.1953125 ,  0.26367188,  0.06494141, -0.13574219,
```

```
         0.0067749 , -0.11083984, -0.3125    ,  0.19628906,  0.00631714,
         0.29882812, -0.01098633,  0.06542969, -0.01696777, -0.07275391,
        -0.11621094,  0.19335938,  0.11621094, -0.03039551, -0.03735352,
         0.08300781, -0.13085938, -0.2734375 ,  0.10009766,  0.03295898,
         0.06640625, -0.11425781, -0.1796875 , -0.01806641,  0.03588867,
        -0.06494141,  0.09960938, -0.0324707 ,  0.04199219,  0.06542969,
         0.19238281,  0.11669922,  0.05541992, -0.21679688,  0.07861328,
         0.20214844, -0.10595703, -0.06640625,  0.0045166 , -0.02636719,
         0.05224609, -0.22265625, -0.29882812,  0.06884766, -0.0111084 ,
        -0.16601562,  0.03039551,  0.08789062,  0.08935547,  0.171875  ,
        -0.07714844,  0.24414062,  0.09277344, -0.23925781,  0.05004883,
        -0.23828125,  0.06835938,  0.1640625 , -0.07470703, -0.01806641,
        -0.0703125 ,  0.21191406, -0.25976562, -0.04736328,  0.05664062,
        -0.18359375, -0.10742188, -0.10888672, -0.02270508, -0.09863281,
        -0.17285156,  0.13183594,  0.05566406, -0.29296875, -0.06640625,
         0.05761719,  0.03881836, -0.00909424, -0.07177734, -0.03613281,
        -0.05126953, -0.23828125, -0.12890625,  0.08642578, -0.15039062,
        -0.11279297,  0.15039062, -0.11083984,  0.26367188, -0.23144531,
         0.01141357,  0.02648926, -0.00325012, -0.19726562,  0.01226807,
         0.11035156, -0.03088379, -0.13964844, -0.09326172,  0.11523438,
         0.04003906,  0.18457031, -0.01031494,  0.19726562,  0.07177734,
        -0.16699219, -0.08056641,  0.19140625, -0.01647949,  0.07763672,
         0.02539062, -0.02514648, -0.16308594,  0.03613281,  0.0859375 ,
        -0.20410156, -0.11181641, -0.05175781, -0.16601562,  0.01300049,
        -0.10009766, -0.13085938, -0.03039551, -0.2734375 ,  0.03540039,
        -0.14453125,  0.14746094, -0.13476562,  0.078125  , -0.02612305,
         0.07958984, -0.00430298,  0.08349609, -0.1328125 ,  0.33007812,
         0.19726562,  0.09619141,  0.09814453,  0.17773438,  0.28515625,
         0.19238281,  0.02905273, -0.35742188,  0.00860596, -0.19433594,
        -0.00891113,  0.07324219,  0.12451172, -0.17675781, -0.0546875 ,
        -0.05175781, -0.14746094, -0.34570312, -0.11230469, -0.03344727,
         0.10986328, -0.08251953,  0.06347656,  0.04296875,  0.1015625 ,
        -0.08154297, -0.2578125 ,  0.1484375 ,  0.08544922, -0.05859375,
        -0.01879883,  0.5078125 ,  0.01208496,  0.12695312, -0.26171875,
        -0.15722656, -0.06445312, -0.02050781,  0.06982422, -0.14257812],
       dtype=float32),
 'communication': array([ 0.00268555, -0.23339844, -0.08056641, -0.0590820
3, -0.08496094,
         0.12158203,  0.05371094, -0.08984375,  0.07519531, -0.01391602,
        -0.08447266,  0.02087402, -0.21679688,  0.26953125,  0.03833008,
         0.01025391,  0.20507812,  0.08789062, -0.15625   , -0.20605469,
         0.31054688,  0.07666016,  0.11230469, -0.17578125, -0.06054688,
         0.07177734, -0.19140625,  0.06982422,  0.25195312, -0.12304688,
         0.03564453, -0.37890625, -0.03930664, -0.2109375 ,  0.18261719,
        -0.07958984,  0.00418091,  0.16796875,  0.17382812, -0.28320312,
        -0.12255859,  0.11767578, -0.19824219,  0.07324219, -0.001297  ,
        -0.08349609, -0.17578125,  0.22851562, -0.48632812,  0.21777344,
        -0.03955078, -0.07177734, -0.03027344,  0.06982422, -0.04589844,
         0.36523438, -0.00227356,  0.05273438,  0.07275391,  0.09277344,
        -0.23144531, -0.03491211, -0.03955078,  0.21289062, -0.1328125 ,
         0.26953125, -0.14648438,  0.36523438,  0.02941895,  0.12060547,
        -0.20898438, -0.20507812,  0.2734375 , -0.07128906, -0.16992188,
         0.02612305, -0.20214844,  0.03564453, -0.00421143,  0.05639648,
         0.06884766,  0.06054688,  0.35742188, -0.06787109, -0.00854492,
        -0.2578125 , -0.08886719, -0.11914062, -0.12695312,  0.23730469,
         0.1875    , -0.11572266,  0.00524902, -0.04956055,  0.04272461,
        -0.18457031,  0.07958984, -0.08349609,  0.01635742,  0.18164062,
        -0.23925781, -0.11376953, -0.140625  ,  0.06689453,  0.17480469,
         0.03735352, -0.02526855, -0.01409912,  0.04223633,  0.10253906,
        -0.21875   , -0.05102539,  0.00759888, -0.20800781, -0.07128906,
         0.14550781,  0.05419922,  0.0020752 ,  0.16015625, -0.14648438,
        -0.3125    ,  0.1484375 , -0.07666016,  0.328125  ,  0.0019989 ,
        -0.16210938, -0.31835938,  0.13085938,  0.08349609,  0.18457031,
        -0.16210938,  0.22265625, -0.14648438, -0.01904297,  0.01098633,
```

```
        -0.15917969,  0.0546875 , -0.1484375 , -0.04370117, -0.14746094,
         0.19140625, -0.01177979, -0.09521484,  0.06298828, -0.3984375 ,
        -0.17089844, -0.08740234, -0.12890625, -0.15722656,  0.13964844,
         0.06054688,  0.24414062, -0.13867188,  0.11962891, -0.08007812,
        -0.22460938,  0.0612793 , -0.02075195, -0.12255859, -0.07324219,
        -0.06103516,  0.19628906, -0.35546875,  0.24121094, -0.29492188,
         0.18359375, -0.07666016, -0.3671875 ,  0.07617188, -0.10546875,
        -0.0025177 ,  0.17382812, -0.00411987, -0.1796875 ,  0.3359375 ,
         0.234375  , -0.01660156, -0.24121094, -0.09130859,  0.07128906,
        -0.00616455, -0.04199219,  0.00769043,  0.0255127 ,  0.17382812,
        -0.02575684, -0.07275391, -0.43945312,  0.10693359,  0.01806641,
        -0.1328125 , -0.12597656,  0.00909424,  0.20214844,  0.01538086,
         0.04907227,  0.05175781, -0.04296875,  0.00689697, -0.20605469,
         0.04980469, -0.09814453,  0.22265625, -0.08837891, -0.07470703,
        -0.2265625 ,  0.04296875, -0.10107422,  0.07568359, -0.10400391,
         0.05126953, -0.17480469,  0.09814453, -0.19140625, -0.07861328,
        -0.01000977,  0.16210938, -0.00878906, -0.28710938,  0.10058594,
        -0.10644531, -0.11132812,  0.24511719,  0.0291748 , -0.17382812,
        -0.03271484,  0.11962891,  0.1484375 , -0.14160156, -0.12255859,
        -0.18847656,  0.07910156,  0.08935547,  0.05908203,  0.1796875 ,
        -0.20410156,  0.00592041, -0.234375  ,  0.08007812,  0.06884766,
         0.18164062, -0.0291748 ,  0.00747681, -0.09814453, -0.02612305,
         0.07861328, -0.11181641, -0.00540161,  0.14355469, -0.14453125,
         0.06542969,  0.16210938, -0.15136719,  0.47070312,  0.06591797,
        -0.28515625, -0.06494141,  0.09326172, -0.10058594,  0.04321289,
         0.05517578, -0.1171875 , -0.1796875 ,  0.10986328, -0.06835938,
         0.10400391,  0.18554688, -0.31445312, -0.41796875,  0.1484375 ,
         0.00424194,  0.10888672, -0.04052734, -0.29882812,  0.09179688,
        -0.02770996, -0.07763672, -0.06298828,  0.12060547,  0.0703125 ,
        -0.07470703,  0.00165558,  0.2578125 , -0.01135254,  0.0135498 ,
        -0.07568359,  0.10644531,  0.1015625 ,  0.14257812, -0.02758789,
        -0.11816406,  0.00650024, -0.15917969, -0.13769531,  0.05395508,
        -0.00079346,  0.00338745, -0.08496094, -0.12695312,  0.1328125 ],
       dtype=float32),
 'constituent': array([-0.09228516, -0.296875  ,  0.1015625 ,  0.19335938,
-0.41992188,
         0.02941895, -0.10400391,  0.23632812,  0.12060547,  0.14355469,
        -0.13183594, -0.06030273,  0.04833984,  0.05615234,  0.06689453,
         0.0246582 , -0.01403809,  0.12988281, -0.06494141, -0.24609375,
        -0.06542969,  0.10693359,  0.18847656, -0.04736328, -0.18066406,
        -0.10791016, -0.05175781,  0.16601562,  0.06030273, -0.01635742,
         0.08642578,  0.125     ,  0.01531982, -0.03369141,  0.14746094,
        -0.17578125,  0.0559082 ,  0.33984375, -0.09326172,  0.01794434,
         0.19824219,  0.13574219,  0.01190186,  0.08886719, -0.1328125 ,
        -0.23339844, -0.01611328,  0.21582031, -0.04321289, -0.08447266,
         0.24023438, -0.18652344, -0.00823975,  0.24804688, -0.05078125,
         0.3359375 , -0.20996094, -0.05126953,  0.11865234, -0.0480957 ,
         0.10888672,  0.09716797, -0.02172852,  0.00738525, -0.06054688,
         0.0859375 , -0.22070312,  0.30078125,  0.14746094, -0.09765625,
         0.09912109, -0.18652344,  0.25390625, -0.11621094, -0.15332031,
         0.06494141,  0.12597656, -0.109375  , -0.2421875 , -0.14160156,
        -0.14550781, -0.11816406,  0.12451172, -0.12597656, -0.03662109,
        -0.1796875 , -0.18457031, -0.15332031,  0.17480469,  0.36132812,
         0.08837891, -0.11279297, -0.01855469,  0.04248047, -0.13769531,
         0.09277344,  0.03442383, -0.14648438,  0.24609375,  0.11083984,
        -0.15625   , -0.06835938, -0.06591797, -0.1875    , -0.00210571,
        -0.29101562,  0.00564575,  0.2578125 ,  0.12695312,  0.10888672,
        -0.29492188, -0.38867188, -0.09472656, -0.01794434,  0.16015625,
         0.11083984, -0.07861328, -0.05126953,  0.39453125,  0.12988281,
         0.10058594,  0.03295898, -0.33789062, -0.0390625 , -0.19042969,
         0.07519531,  0.10058594, -0.14550781,  0.203125  , -0.06298828,
        -0.15917969, -0.0222168 , -0.09619141, -0.06079102, -0.12207031,
         0.11767578, -0.09277344, -0.24414062, -0.08740234, -0.05737305,
         0.10449219,  0.2734375 , -0.27539062,  0.04125977,  0.15429688,
```

```
         0.09960938, -0.22558594, -0.21875   ,  0.15234375,  0.265625  ,
         0.14941406,  0.19238281, -0.24707031,  0.30078125,  0.06738281,
        -0.28320312, -0.04785156,  0.03491211, -0.04272461, -0.09814453,
        -0.30273438,  0.09423828,  0.10302734,  0.43945312, -0.12402344,
         0.06225586,  0.09863281,  0.08691406,  0.04516602,  0.29882812,
         0.05664062,  0.12890625,  0.13769531, -0.21484375,  0.16699219,
        -0.2421875 ,  0.02648926,  0.05566406, -0.17382812, -0.12207031,
         0.09179688,  0.35742188,  0.02624512,  0.07226562,  0.29296875,
         0.00279236, -0.07910156,  0.22363281, -0.29101562, -0.10595703,
        -0.35742188, -0.20898438, -0.14355469,  0.06933594,  0.23730469,
        -0.25195312, -0.08007812,  0.02429199,  0.453125  , -0.00775146,
        -0.17578125,  0.15722656,  0.01123047, -0.09521484, -0.18945312,
        -0.09570312, -0.08886719, -0.07861328,  0.13378906, -0.29882812,
         0.1953125 , -0.37109375, -0.21582031, -0.10839844, -0.04223633,
        -0.10595703,  0.14355469,  0.0222168 ,  0.03979492,  0.06445312,
         0.19335938, -0.16796875,  0.05102539, -0.06933594,  0.00241089,
         0.06005859,  0.02709961,  0.15136719, -0.00366211,  0.13769531,
         0.11572266,  0.18066406, -0.11328125,  0.04882812, -0.33984375,
         0.08740234,  0.19140625, -0.09423828, -0.35351562,  0.0402832 ,
         0.23535156, -0.1015625 , -0.04296875, -0.09423828,  0.3125    ,
         0.07666016,  0.1015625 , -0.0133667 , -0.19335938,  0.25390625,
        -0.05615234,  0.07324219,  0.1875    , -0.02624512, -0.05371094,
        -0.19824219,  0.07275391,  0.03759766,  0.05078125, -0.07080078,
         0.00769043, -0.390625  , -0.05419922,  0.05810547,  0.13476562,
         0.08740234,  0.25585938,  0.01074219, -0.37695312, -0.11523438,
         0.0625    ,  0.16503906,  0.06591797, -0.12890625, -0.25390625,
        -0.43554688, -0.04125977, -0.23242188,  0.01446533, -0.203125  ,
        -0.25976562, -0.14453125, -0.07080078,  0.26367188, -0.27734375,
        -0.16113281, -0.16210938,  0.13476562,  0.23046875,  0.09716797,
        -0.03442383, -0.16503906, -0.26171875, -0.17675781, -0.12695312,
        -0.00518799,  0.02368164,  0.21289062,  0.09667969,  0.11621094],
       dtype=float32),
 'parent': array([-1.13769531e-01, -3.33984375e-01, -2.95410156e-02,  7.812
50000e-02,
        -7.03125000e-02, -2.95410156e-02,  2.06054688e-01,  1.36718750e-01,
         3.39843750e-01,  1.61132812e-02,  2.45361328e-02, -1.44653320e-02,
         5.44433594e-02, -1.59179688e-01, -3.73535156e-02,  1.15234375e-01,
        -1.99218750e-01, -3.07617188e-02, -1.81640625e-01,  4.29687500e-02,
         1.07910156e-01,  6.83593750e-02,  2.37304688e-01, -2.61230469e-02,
         5.27343750e-02,  1.46484375e-03, -4.45556641e-03,  1.20117188e-01,
        -5.17578125e-02, -9.76562500e-02,  1.88476562e-01, -2.39257812e-01,
        -3.16406250e-01,  1.53320312e-01, -7.51953125e-02,  2.25585938e-01,
         2.18750000e-01,  9.03320312e-02,  2.74658203e-02,  1.68457031e-02,
        -1.31225586e-03, -8.39843750e-02, -8.78906250e-02, -2.02148438e-01,
         8.05664062e-02, -1.77734375e-01,  1.03027344e-01,  2.55859375e-01,
         8.49609375e-02,  7.56835938e-03, -7.66601562e-02,  1.46484375e-02,
         7.37304688e-02,  1.79687500e-01,  1.93359375e-01,  2.69775391e-02,
        -2.45117188e-01,  1.35742188e-01, -2.47802734e-02,  9.17968750e-02,
         2.42187500e-01,  1.25976562e-01, -8.05664062e-02, -4.56542969e-02,
        -1.06933594e-01, -1.38671875e-01, -1.06201172e-02,  1.91406250e-01,
        -4.91333008e-03,  9.03320312e-02,  1.23046875e-01, -1.22558594e-01,
        -1.60156250e-01, -2.67333984e-02,  2.20703125e-01,  3.24218750e-01,
         1.77734375e-01, -1.84326172e-02,  1.51367188e-01,  1.59912109e-02,
         2.67578125e-01, -1.65039062e-01, -1.59179688e-01,  3.22265625e-01,
         8.05664062e-02,  1.09863281e-01,  1.00097656e-01,  1.71875000e-01,
        -3.00292969e-02, -1.16210938e-01,  1.64794922e-02, -1.81640625e-01,
        -7.56835938e-02, -1.45507812e-01, -3.78417969e-02, -9.96093750e-02,
         1.91406250e-01,  5.24902344e-02, -7.17773438e-02,  2.69531250e-01,
         8.34960938e-02, -1.39648438e-01,  1.67236328e-02,  7.51953125e-02,
         5.68847656e-02, -3.04687500e-01,  2.91015625e-01,  1.86523438e-01,
        -7.12890625e-02,  5.54199219e-02,  2.42614746e-03, -1.64062500e-01,
        -4.07714844e-02, -4.27734375e-01, -1.08642578e-02,  9.27734375e-02,
         8.05664062e-02,  2.42187500e-01,  1.65039062e-01, -6.49414062e-02,
         6.29882812e-02, -1.75781250e-01, -2.19726562e-01,  2.81250000e-01,
```

```
        -1.42578125e-01,  1.41601562e-01, -3.51562500e-01,  1.16699219e-01,
         2.37304688e-01,  4.73632812e-02, -1.60156250e-01, -1.75781250e-01,
        -1.59179688e-01,  2.74658203e-02,  4.54101562e-02, -9.81445312e-02,
         1.42578125e-01, -1.23535156e-01,  1.16577148e-02,  4.71191406e-02,
         3.33984375e-01, -2.71484375e-01,  1.32446289e-02, -5.43212891e-03,
         1.18164062e-01,  8.00781250e-02, -6.25000000e-02,  1.32812500e-01,
         2.40234375e-01, -7.51953125e-02,  2.34375000e-01,  5.49316406e-02,
        -9.32617188e-02,  1.38671875e-01, -2.12890625e-01,  7.71484375e-02,
        -6.39648438e-02, -2.65625000e-01, -5.61523438e-02,  2.12890625e-01,
        -6.73828125e-02,  6.39648438e-02,  1.96289062e-01,  3.33984375e-01,
         9.17968750e-02, -4.24804688e-02, -9.22851562e-02,  6.25000000e-02,
         2.51953125e-01,  2.57812500e-01,  9.21630859e-03, -2.25585938e-01,
         1.69921875e-01, -3.04687500e-01,  1.39648438e-01,  1.57470703e-02,
         2.50000000e-01,  2.37304688e-01,  2.57568359e-02,  1.42211914e-02,
         1.22558594e-01, -1.71875000e-01, -3.64685059e-03,  3.87191772e-04,
         4.58984375e-02,  1.35742188e-01, -1.12304688e-01, -1.58203125e-01,
        -8.25195312e-02, -7.91015625e-02, -1.66992188e-01, -2.61718750e-01,
        -3.28125000e-01,  4.05273438e-02, -1.46484375e-02,  6.78710938e-02,
        -8.54492188e-02, -9.86328125e-02,  1.00585938e-01, -1.66015625e-01,
         1.40991211e-02,  1.01074219e-01,  1.06933594e-01, -1.03027344e-01,
        -1.25000000e-01, -1.65039062e-01, -2.97851562e-02, -1.66992188e-01,
         1.41601562e-01, -9.81445312e-02,  1.34765625e-01, -1.03515625e-01,
        -4.63867188e-02, -1.23046875e-01,  3.04687500e-01,  8.44726562e-02,
         2.08984375e-01, -3.00292969e-02, -1.17675781e-01, -1.26953125e-01,
         8.83789062e-02,  1.26953125e-01,  2.34375000e-01, -2.83203125e-02,
        -1.74804688e-01, -1.32812500e-01,  1.46484375e-01, -2.63671875e-01,
         9.27734375e-02, -9.57031250e-02, -1.93359375e-01,  1.40991211e-02,
        -7.86132812e-02, -1.20605469e-01,  1.72851562e-01,  3.25012207e-03,
        -1.41601562e-02, -2.61718750e-01,  1.65039062e-01, -6.65283203e-03,
        -4.44335938e-02, -5.00000000e-01, -1.46484375e-01, -9.08203125e-02,
        -3.71093750e-02,  3.49609375e-01, -1.20605469e-01,  2.73437500e-02,
        -6.03027344e-02, -2.04101562e-01, -7.37304688e-02, -2.28515625e-01,
         1.89453125e-01, -2.91015625e-01,  6.64062500e-02, -1.50390625e-01,
         1.08398438e-01,  2.59765625e-01, -1.15722656e-01,  3.53515625e-01,
         1.71875000e-01, -2.75878906e-02, -7.56835938e-02, -1.44531250e-01,
        -4.44335938e-02,  2.21679688e-01, -4.24804688e-02,  2.87109375e-01,
        -3.04687500e-01,  1.04980469e-01, -3.93066406e-02,  1.43554688e-01,
         1.22070312e-01,  1.32812500e-01, -1.69921875e-01, -1.14746094e-01,
        -2.77343750e-01,  1.28784180e-02,  1.03515625e-01, -2.25585938e-01,
        -2.18750000e-01, -1.08398438e-01, -1.56250000e-01,  1.33789062e-01,
        -5.67626953e-03,  3.85742188e-02, -7.17773438e-02,  2.20703125e-01,
         2.74658203e-02,  2.92968750e-01, -2.33398438e-01,  1.91406250e-01,
        -2.71484375e-01, -7.61718750e-02, -1.27929688e-01,  1.32812500e-01,
        -3.22265625e-02,  3.63281250e-01,  3.61328125e-02, -6.34765625e-0
2],
       dtype=float32),
 'agency': array([-2.78320312e-02, -1.31835938e-01,  2.74658203e-02, -1.035
15625e-01,
         1.78222656e-02, -5.02929688e-02,  5.12695312e-02, -4.02832031e-03,
         6.03027344e-02, -1.91406250e-01,  1.30859375e-01, -2.24609375e-01,
         7.76367188e-02, -1.59179688e-01, -4.49218750e-01,  1.03027344e-01,
        -3.46679688e-02, -1.49414062e-01, -1.08398438e-01, -6.12792969e-02,
        -4.61425781e-02,  1.60156250e-01, -2.72216797e-02,  1.13281250e-01,
         1.23046875e-01, -8.59375000e-02, -5.98144531e-02,  1.67968750e-01,
        -1.47460938e-01, -2.73437500e-01, -3.14453125e-01, -3.02734375e-02,
         5.00488281e-02,  1.32812500e-01,  6.07299805e-03, -6.59179688e-02,
         1.81640625e-01,  4.61425781e-02,  1.71875000e-01,  8.10546875e-02,
         7.03125000e-02, -2.07031250e-01,  2.72216797e-02,  2.75390625e-01,
         5.29785156e-02, -2.24609375e-01,  6.22558594e-02,  1.60156250e-01,
        -1.15722656e-01,  1.52343750e-01,  1.62109375e-01,  5.83496094e-02,
        -6.29882812e-02,  9.32617188e-02, -1.91650391e-02, -1.55639648e-02,
        -2.23632812e-01, -2.83203125e-02, -3.61328125e-01,  8.15429688e-02,
        -2.84423828e-02,  3.46679688e-02, -1.27929688e-01, -2.31933594e-02,
        -8.93554688e-02,  8.30078125e-02,  1.40625000e-01,  7.17773438e-02,
```

```
         1.30859375e-01,  8.66699219e-03, -1.03515625e-01,  1.02539062e-01,
        -1.02539062e-01,  2.62451172e-02, -2.83203125e-01,  1.40625000e-01,
        -9.33837891e-03,  2.55859375e-01,  5.55515289e-05,  2.73437500e-02,
         1.16699219e-01,  3.54003906e-02,  1.06933594e-01,  1.29394531e-02,
        -1.95312500e-01,  1.10839844e-01,  4.10156250e-02, -1.35742188e-01,
         2.06054688e-01,  8.59375000e-02,  3.75000000e-01, -5.44433594e-02,
        -7.27539062e-02, -1.53320312e-01,  6.53076172e-03,  2.00195312e-02,
        -1.59912109e-02,  2.47070312e-01,  2.57812500e-01, -6.15234375e-02,
         2.34375000e-01,  2.09960938e-01, -1.39648438e-01,  1.13769531e-01,
         1.66992188e-01, -2.32421875e-01, -3.39843750e-01, -2.98828125e-01,
        -8.34960938e-02, -1.55273438e-01, -7.42187500e-02,  4.68750000e-02,
        -1.37695312e-01, -1.12915039e-03, -2.28881836e-03,  1.86523438e-01,
        -1.12792969e-01,  1.96289062e-01,  2.75390625e-01, -1.05957031e-01,
        -3.82812500e-01, -4.05273438e-02, -9.76562500e-02,  2.98828125e-01,
         2.89062500e-01, -7.27539062e-02,  1.56250000e-01,  1.03515625e-01,
         1.09863281e-01, -1.48437500e-01,  1.12792969e-01,  8.93554688e-02,
        -1.97265625e-01, -7.95898438e-02, -7.08007812e-02, -2.57812500e-01,
        -1.43554688e-01,  9.08203125e-02,  8.20312500e-02, -8.49609375e-02,
         1.92382812e-01, -4.54101562e-02, -1.34765625e-01,  1.35742188e-01,
        -4.29687500e-02, -2.22656250e-01, -2.14843750e-01, -7.42187500e-02,
        -1.66992188e-01, -5.34057617e-03,  8.10546875e-02, -8.34960938e-02,
        -1.25000000e-01,  3.88183594e-02,  1.36718750e-01, -3.75976562e-02,
         6.73828125e-02,  8.48388672e-03,  1.13769531e-01,  2.35351562e-01,
        -9.76562500e-02,  2.87109375e-01,  1.11328125e-01,  1.06445312e-01,
         1.06811523e-02,  9.03320312e-02,  1.04003906e-01,  8.72802734e-03,
         1.98242188e-01,  1.09375000e-01,  9.27734375e-02, -1.24511719e-01,
         3.85742188e-02,  7.08007812e-02,  1.82617188e-01,  3.71093750e-02,
         1.70898438e-01,  8.17871094e-03, -2.75390625e-01, -4.46777344e-02,
        -1.95312500e-01, -2.51953125e-01, -1.22680664e-02, -2.13867188e-01,
        -2.02148438e-01, -3.36914062e-02, -5.76171875e-02,  2.07031250e-01,
        -1.26953125e-01,  6.07910156e-02, -2.19726562e-01, -7.08007812e-02,
         2.23632812e-01,  7.99560547e-03, -7.47070312e-02,  8.44726562e-02,
         3.51562500e-02, -1.56250000e-01,  7.66601562e-02,  1.43554688e-01,
        -5.20019531e-02, -7.95898438e-02,  1.19628906e-01, -7.47070312e-02,
        -1.22070312e-01, -8.83789062e-02,  2.36328125e-01,  1.01074219e-01,
         8.98437500e-02, -3.17382812e-02,  2.30712891e-02, -3.14453125e-01,
        -3.35937500e-01,  5.51757812e-02, -1.25732422e-02,  1.46484375e-01,
        -4.10156250e-02,  2.44140625e-01, -1.44531250e-01,  7.51953125e-02,
         9.71679688e-02,  1.45507812e-01,  1.02539062e-01,  2.71484375e-01,
         9.64355469e-03, -6.49414062e-02,  4.29687500e-02,  1.39648438e-01,
         1.31835938e-01,  8.78906250e-02,  2.18750000e-01,  1.26953125e-01,
        -2.43164062e-01,  8.72802734e-03, -9.37500000e-02, -8.10546875e-02,
        -4.54711914e-03, -8.15429688e-02, -6.34765625e-02, -2.69531250e-01,
        -1.97265625e-01,  1.03515625e-01, -1.83105469e-02, -8.49609375e-02,
        -6.20117188e-02, -1.36718750e-01,  1.03027344e-01, -1.18652344e-01,
         1.49414062e-01, -1.25000000e-01,  1.08398438e-01, -7.17773438e-02,
        -9.96093750e-02, -5.54199219e-02, -2.36816406e-02,  8.97216797e-03,
         1.27929688e-01,  2.97851562e-02,  8.05664062e-02, -2.33154297e-02,
        -4.00390625e-02,  1.59179688e-01,  1.01074219e-01,  2.85156250e-01,
        -1.36108398e-02,  3.22265625e-01, -7.95898438e-02, -5.78613281e-02,
         7.41577148e-03,  1.45507812e-01,  1.15722656e-01,  1.77734375e-01,
        -4.78515625e-02,  4.15039062e-02, -2.64892578e-02, -6.39648438e-02,
         7.91015625e-02, -5.10253906e-02,  1.11816406e-01, -1.60156250e-01,
        -3.39843750e-01,  1.12304688e-01,  1.63085938e-01,  1.16699219e-01,
        -8.91113281e-03,  1.18164062e-01,  5.41992188e-02,  2.03125000e-01,
         9.71679688e-02,  1.63574219e-02,  1.61132812e-01,  3.79943848e-03,
         4.95605469e-02,  2.79296875e-01,  4.45556641e-03, -9.76562500e-02,
        -3.97949219e-02, -4.15039062e-02, -2.10937500e-01, -3.78417969e-0
2],
       dtype=float32),
 'keep': array([ 6.05468750e-02, -1.29394531e-02, -1.08886719e-01,  1.43554
688e-01,
        -8.74023438e-02,  2.72216797e-02,  1.12792969e-01,  1.53320312e-01,
         1.00585938e-01, -2.19726562e-01, -1.20117188e-01, -1.05468750e-01,
```

```
-1.18652344e-01,  3.71093750e-01, -1.83593750e-01, -1.48925781e-02,
 3.83300781e-02,  2.18750000e-01, -2.58789062e-02, -1.22070312e-02,
 2.91015625e-01,  5.71289062e-02,  9.81445312e-02, -5.90820312e-02,
 2.02148438e-01, -6.98242188e-02,  7.95898438e-02,  9.08203125e-02,
-4.32128906e-02, -2.57812500e-01,  5.51757812e-02, -1.16210938e-01,
-1.15234375e-01,  4.76074219e-02,  1.66992188e-01, -1.69921875e-01,
 2.45361328e-02,  9.03320312e-02, -1.32446289e-02,  3.20312500e-01,
 1.53320312e-01,  1.42578125e-01,  2.83203125e-02,  8.23974609e-03,
-1.67968750e-01,  5.90820312e-02,  5.63964844e-02, -1.41601562e-01,
 9.37500000e-02,  1.33789062e-01, -4.07714844e-02,  1.09863281e-01,
-7.71484375e-02, -1.03515625e-01,  2.54821777e-03,  4.83398438e-02,
-9.47265625e-02, -2.64892578e-02, -4.44335938e-02, -3.22265625e-01,
-5.12695312e-02, -1.51367188e-01, -1.98242188e-01,  6.39648438e-02,
 3.78417969e-02,  1.37695312e-01, -4.98046875e-02,  1.90429688e-01,
-1.78710938e-01,  2.53906250e-01, -1.10473633e-02,  2.19726562e-01,
 3.16406250e-01, -7.86132812e-02, -2.25585938e-01, -8.78906250e-02,
 1.18652344e-01, -1.74804688e-01, -5.44433594e-02,  2.23632812e-01,
 4.17480469e-02, -2.16796875e-01,  8.30078125e-02, -1.39648438e-01,
 1.05957031e-01,  3.17382812e-02, -2.79296875e-01,  1.41601562e-01,
 1.15234375e-01,  1.47460938e-01,  5.00488281e-02,  4.06250000e-01,
 4.51660156e-02, -2.34375000e-01, -8.74023438e-02, -2.41210938e-01,
 8.30078125e-02,  1.51367188e-01,  1.45507812e-01,  5.46875000e-02,
-3.14453125e-01,  5.93261719e-02,  7.61718750e-02, -5.20019531e-02,
-1.09375000e-01, -2.51953125e-01, -4.58984375e-02,  9.86328125e-02,
-3.90625000e-02,  1.73828125e-01,  9.71679688e-02, -1.67236328e-02,
-1.94335938e-01, -1.38671875e-01, -1.12304688e-01,  1.72851562e-01,
 1.72851562e-01, -6.44531250e-02, -2.44140625e-02, -2.39257812e-02,
 8.30078125e-02,  2.04101562e-01,  1.43554688e-01,  1.66015625e-01,
 1.93359375e-01, -5.15136719e-02, -1.47460938e-01, -2.13867188e-01,
 1.00585938e-01, -7.61718750e-02,  2.77343750e-01, -3.08593750e-01,
 1.50390625e-01, -1.39648438e-01,  5.67626953e-03,  1.09863281e-01,
 2.29492188e-01,  6.44531250e-02, -1.96533203e-02,  1.20117188e-01,
 3.49609375e-01, -1.00585938e-01, -2.21679688e-01,  3.63769531e-02,
-5.71289062e-02,  6.44531250e-02, -9.91210938e-02, -2.92968750e-01,
 1.79687500e-01, -1.67968750e-01, -2.14576721e-04,  1.72851562e-01,
-8.78906250e-02, -6.29882812e-02, -5.56640625e-02,  1.01562500e-01,
 2.57812500e-01, -2.83203125e-01, -2.14843750e-01,  1.86523438e-01,
 2.67578125e-01,  5.29785156e-02, -7.37304688e-02, -6.28662109e-03,
 7.08007812e-02, -6.03027344e-02, -9.52148438e-02, -1.61132812e-01,
 9.71679688e-02, -1.28906250e-01, -4.27734375e-01, -3.93066406e-02,
 1.66015625e-02,  1.52343750e-01,  3.12500000e-02, -7.66601562e-02,
 2.21679688e-01, -8.00781250e-02, -2.30712891e-02,  1.61132812e-02,
-2.30468750e-01, -9.42382812e-02,  2.31445312e-01, -1.03027344e-01,
-1.35742188e-01,  1.35742188e-01,  9.32617188e-02, -1.09375000e-01,
 1.22070312e-02,  1.35498047e-02,  4.19921875e-02,  1.06933594e-01,
 2.10937500e-01,  7.12890625e-02, -8.88671875e-02,  1.11328125e-01,
 1.80664062e-02, -8.20312500e-02, -4.70703125e-01,  5.00488281e-02,
 7.81250000e-02, -2.11914062e-01, -7.12890625e-02, -4.34570312e-02,
 3.10058594e-02, -1.16699219e-01, -1.56250000e-01, -1.09375000e-01,
 9.71679688e-02, -3.93066406e-02, -2.89306641e-02,  1.07910156e-01,
-6.34765625e-02,  2.44140625e-02,  2.06298828e-02, -7.12890625e-02,
 1.21093750e-01, -7.91015625e-02, -3.16406250e-01, -1.01318359e-02,
-1.43554688e-01,  5.49316406e-02, -1.27929688e-01, -2.53906250e-01,
-4.05273438e-02,  1.01074219e-01, -1.16699219e-01,  1.07421875e-01,
-3.39355469e-02, -5.06591797e-03, -6.20117188e-02, -8.10546875e-02,
 1.20605469e-01,  2.05078125e-02,  1.19140625e-01, -1.11816406e-01,
-3.39355469e-02, -2.08984375e-01, -9.71679688e-02, -1.17797852e-02,
-3.12500000e-02,  1.04492188e-01, -1.19628906e-01, -1.76757812e-01,
 2.22167969e-02,  1.13281250e-01,  4.41894531e-02, -1.48315430e-02,
-7.27539062e-02,  1.19140625e-01, -1.94335938e-01, -5.12695312e-03,
 4.46777344e-02,  1.12304688e-01,  1.91406250e-01, -1.09252930e-02,
-3.58886719e-02, -5.07812500e-02, -3.32031250e-02,  1.78710938e-01,
 2.03125000e-01,  1.94335938e-01, -2.45361328e-02,  3.12500000e-01,
 5.29785156e-02,  1.32812500e-01, -2.51953125e-01, -1.16210938e-01,
```

```
        -2.03857422e-02, -1.77734375e-01,  4.39453125e-02,  1.33789062e-01,
         3.28125000e-01, -1.02050781e-01,  5.66406250e-02, -5.12695312e-02,
        -1.25000000e-01, -4.27734375e-01,  3.54003906e-02,  2.57873535e-03,
         3.02734375e-01, -2.66113281e-02,  8.11767578e-03,  1.84570312e-01,
         1.55448914e-04,  2.40234375e-01, -3.84765625e-01,  8.72802734e-03,
         1.47460938e-01, -5.39550781e-02, -4.88281250e-02,  3.33984375e-01,
        -2.09960938e-02,  1.80664062e-01, -1.62109375e-01, -6.68945312e-02,
        -3.51562500e-02,  8.49609375e-02,  1.60156250e-01, -9.13085938e-0
2],
       dtype=float32),
 'current': array([-9.61914062e-02,  3.51562500e-02,  1.08642578e-02,  6.22
558594e-02,
        -1.63085938e-01,  1.84326172e-02,  1.75781250e-01, -6.49414062e-02,
         1.19140625e-01,  3.95507812e-02, -1.41601562e-01,  7.37304688e-02,
        -5.46875000e-02,  1.14746094e-01, -1.82617188e-01,  3.90625000e-02,
        -7.76367188e-02,  1.26953125e-02, -4.49218750e-02, -6.59179688e-02,
        -1.48437500e-01,  3.01513672e-02, -3.14453125e-01, -4.34570312e-02,
         1.21093750e-01,  7.71484375e-02, -7.66601562e-02,  2.11914062e-01,
        -2.44140625e-02,  3.49121094e-02,  2.24304199e-03, -1.28906250e-01,
         7.59887695e-03,  6.68334961e-03,  1.00585938e-01,  1.04370117e-02,
        -1.02539062e-01,  2.67333984e-02,  2.07519531e-03, -1.11328125e-01,
         1.17675781e-01, -3.22265625e-02, -5.81054688e-02, -8.54492188e-02,
        -1.19140625e-01, -6.25000000e-02,  1.00585938e-01,  4.61425781e-02,
        -1.16699219e-01, -1.80664062e-01,  5.00488281e-03, -7.61718750e-02,
        -9.22851562e-02,  1.51367188e-02,  1.16210938e-01,  8.44726562e-02,
        -1.96289062e-01, -4.33349609e-03,  8.00781250e-02,  4.95605469e-02,
        -8.74023438e-02,  4.80957031e-02, -2.59399414e-03, -3.56445312e-02,
         9.37500000e-02, -7.81250000e-02,  8.39843750e-02,  1.63085938e-01,
         9.57031250e-02,  8.78906250e-02, -9.66796875e-02, -7.75146484e-03,
         1.92382812e-01, -5.76171875e-02, -1.19140625e-01,  9.61914062e-02,
         3.93066406e-02,  1.32812500e-01, -2.23388672e-02,  1.22070312e-02,
         1.47460938e-01, -1.87988281e-02, -7.12890625e-02,  1.68945312e-01,
         4.41894531e-02,  4.02832031e-02, -1.87500000e-01,  9.42382812e-02,
        -1.69921875e-01,  1.43554688e-01,  1.01074219e-01, -1.33789062e-01,
         7.66754150e-04, -1.20117188e-01, -9.32617188e-02, -1.79443359e-02,
        -4.27246094e-02,  2.57568359e-02,  1.36718750e-01,  6.00585938e-02,
        -4.11987305e-03, -2.85644531e-02, -4.90722656e-02, -7.04956055e-03,
        -2.61718750e-01, -7.56835938e-02, -2.30712891e-02, -1.72851562e-01,
        -3.32031250e-02, -1.31225586e-02,  6.22558594e-02, -1.39648438e-01,
        -3.26171875e-01, -5.09643555e-03,  1.12304688e-01,  1.53320312e-01,
         2.56347656e-02, -1.66015625e-01,  2.87109375e-01,  6.78710938e-02,
        -2.39257812e-01, -9.13085938e-02,  1.06445312e-01,  3.68652344e-02,
        -2.47802734e-02, -1.42822266e-02, -2.35351562e-01, -1.56250000e-02,
        -1.23535156e-01,  1.30859375e-01, -8.54492188e-03, -8.34960938e-02,
        -1.57226562e-01,  4.80957031e-02, -3.78417969e-02,  5.05371094e-02,
         1.64794922e-02, -5.37109375e-02,  1.01074219e-01,  1.77734375e-01,
        -3.97949219e-02,  1.27563477e-02, -5.10253906e-02,  7.03125000e-02,
         2.98828125e-01, -2.01171875e-01, -4.27246094e-02,  3.56445312e-02,
         1.66015625e-01,  5.18798828e-03,  5.56640625e-02, -3.80859375e-02,
        -3.12500000e-02, -7.41577148e-03,  5.46875000e-02, -4.68750000e-02,
         1.02539062e-01, -1.88476562e-01,  8.15429688e-02, -5.83496094e-02,
         4.37011719e-02,  4.66308594e-02,  5.66406250e-02, -1.74804688e-01,
         5.41992188e-02,  1.46484375e-01,  2.62451172e-02, -3.46679688e-02,
        -2.85644531e-02, -3.61328125e-02,  2.46582031e-02, -1.65039062e-01,
         9.08203125e-02, -3.68652344e-02,  9.86328125e-02,  4.66308594e-02,
         1.84326172e-02, -3.85742188e-02,  4.78515625e-02,  2.97851562e-02,
        -1.30859375e-01,  1.76757812e-01, -6.49414062e-02,  1.75781250e-02,
         1.38549805e-02, -6.39648438e-02,  2.21679688e-01,  9.70458984e-03,
         1.37695312e-01,  7.56835938e-02, -7.47070312e-02,  5.07812500e-02,
        -2.32696533e-04, -6.54296875e-02,  1.02050781e-01,  1.12304688e-01,
        -4.12597656e-02,  6.07910156e-02, -1.51977539e-02, -2.05078125e-01,
        -3.29589844e-02,  6.98242188e-02,  3.56445312e-02, -5.90820312e-02,
         1.43554688e-01, -5.00488281e-03,  1.15966797e-02,  4.12597656e-02,
        -1.67968750e-01,  6.64062500e-02, -9.71679688e-02,  6.25000000e-02,
```

```
         1.15234375e-01,  1.45507812e-01, -1.35742188e-01, -3.58886719e-02,
         7.91015625e-02, -6.54296875e-02, -1.91406250e-01,  8.05664062e-02,
        -4.17480469e-02,  9.13085938e-02, -3.46679688e-02, -8.98437500e-02,
         1.63085938e-01, -1.23535156e-01, -4.05273438e-02, -6.12792969e-02,
         8.54492188e-02,  1.62109375e-01, -8.93554688e-02,  8.25195312e-02,
         1.33789062e-01,  7.86132812e-02, -2.45361328e-02, -3.19824219e-02,
         1.47460938e-01, -1.03027344e-01, -1.18164062e-01,  9.57031250e-02,
         5.17578125e-02,  3.73535156e-02,  1.20605469e-01, -2.08007812e-01,
        -2.28515625e-01,  5.98144531e-02, -2.55126953e-02, -4.54711914e-03,
        -3.27148438e-02,  6.25000000e-02, -3.29589844e-02,  1.07910156e-01,
        -2.08007812e-01,  1.26342773e-02, -1.05468750e-01, -8.54492188e-02,
         4.61425781e-02,  8.59375000e-02, -2.99072266e-03,  9.91210938e-02,
         9.42382812e-02,  1.96289062e-01, -6.29882812e-02,  1.69921875e-01,
         1.93359375e-01,  1.36718750e-01, -1.54296875e-01, -1.37695312e-01,
        -5.05371094e-02, -5.73730469e-02,  1.49414062e-01,  2.00195312e-02,
         9.86328125e-02, -5.85937500e-02, -1.20605469e-01,  5.27343750e-02,
         6.93359375e-02, -1.25000000e-01, -1.59912109e-02, -8.69140625e-02,
         5.52368164e-03,  3.01513672e-02,  5.07812500e-02,  6.64062500e-02,
         2.02148438e-01, -2.96630859e-02, -7.37304688e-02, -4.15039062e-02,
         2.14843750e-01, -1.78710938e-01, -8.15429688e-02,  2.37304688e-01,
         1.03759766e-02,  3.71093750e-02,  1.68945312e-01, -6.25000000e-02,
         2.62451172e-02,  8.39843750e-02,  4.88281250e-02, -1.47460938e-0
1],
       dtype=float32),
 'literature': array([ 6.93359375e-02, -5.85937500e-02,  1.07421875e-01,
3.10546875e-01,
         2.29492188e-01,  1.62109375e-01, -5.49316406e-03,  4.90722656e-02,
         7.66601562e-02, -1.80664062e-01,  9.96093750e-02, -3.24218750e-01,
        -9.33837891e-03,  3.76953125e-01, -2.15820312e-01,  4.63867188e-02,
        -1.47705078e-02,  2.77099609e-02,  1.11816406e-01, -3.75000000e-01,
         7.22656250e-02, -4.32128906e-02, -1.87500000e-01, -1.29882812e-01,
        -1.62109375e-01, -2.39257812e-01, -1.04980469e-01,  2.25585938e-01,
        -9.08203125e-02, -2.48046875e-01,  1.08886719e-01, -2.53906250e-01,
        -3.00781250e-01,  2.42919922e-02,  1.93359375e-01,  1.76757812e-01,
         7.17773438e-02,  1.02539062e-01,  1.66992188e-01, -7.91015625e-02,
         7.56835938e-02,  1.03515625e-01, -9.91210938e-02,  3.12500000e-01,
        -9.08203125e-02,  8.69140625e-02, -1.14257812e-01, -2.79541016e-02,
        -6.00585938e-02, -1.93359375e-01, -2.10937500e-01,  3.73535156e-02,
        -1.65039062e-01, -4.51660156e-03,  9.70458984e-03,  6.05468750e-02,
         7.86132812e-02, -2.91015625e-01, -4.54711914e-03, -1.45507812e-01,
         2.38037109e-03,  2.12402344e-02,  1.60156250e-01, -2.61718750e-01,
         6.04248047e-03, -1.30859375e-01, -3.33984375e-01,  2.26562500e-01,
         3.90625000e-02,  7.76367188e-02,  3.29589844e-02,  2.20947266e-02,
         1.34765625e-01,  6.59179688e-02, -4.37011719e-02,  5.88378906e-02,
         4.58984375e-02,  2.31445312e-01,  2.89062500e-01,  1.02050781e-01,
         4.05273438e-02, -6.25000000e-02,  3.71093750e-01, -9.66796875e-02,
        -1.85546875e-01,  7.32421875e-02,  4.00390625e-02,  1.80664062e-01,
         5.54199219e-02,  3.47656250e-01, -8.49609375e-02, -2.87109375e-01,
         1.04003906e-01, -1.20117188e-01, -1.81640625e-01, -1.07421875e-02,
         2.06054688e-01, -4.05273438e-02,  8.85009766e-03,  8.39843750e-02,
        -3.65234375e-01, -2.80761719e-02, -1.22558594e-01, -7.17773438e-02,
         2.85156250e-01, -1.11083984e-02, -1.72851562e-01, -1.31835938e-01,
         1.78222656e-02, -3.12500000e-01, -2.13867188e-01,  2.33398438e-01,
         1.58203125e-01, -3.44238281e-02,  2.23632812e-01, -1.53320312e-01,
        -1.71875000e-01,  2.50244141e-02,  1.19140625e-01,  1.28906250e-01,
        -1.68945312e-01, -5.24902344e-02,  1.10351562e-01, -4.29687500e-02,
        -1.09375000e-01,  2.08984375e-01, -5.93261719e-02, -1.53320312e-01,
        -3.45703125e-01, -4.29687500e-02,  5.32226562e-02, -3.73046875e-01,
        -1.92382812e-01, -2.97851562e-02, -5.88378906e-02,  1.61132812e-01,
         1.91406250e-01, -5.81054688e-02, -4.10156250e-02, -5.02929688e-02,
         1.02050781e-01,  1.37695312e-01,  2.39257812e-02,  1.21582031e-01,
        -1.09375000e-01, -2.16796875e-01,  1.15234375e-01,  3.57421875e-01,
        -3.00781250e-01, -6.73828125e-02,  1.93359375e-01,  2.31933594e-02,
        -2.04101562e-01,  8.59375000e-02,  1.23046875e-01, -2.67578125e-01,
```

```
        -2.55859375e-01,  6.44531250e-02, -6.83593750e-02, -1.59179688e-01,
        -1.30859375e-01, -7.37304688e-02, -1.50390625e-01,  3.10546875e-01,
         3.33984375e-01,  1.43554688e-01,  1.95312500e-01, -1.36718750e-01,
        -3.80859375e-02, -1.29882812e-01,  8.10546875e-02,  7.56835938e-02,
        -8.05664062e-02, -1.53320312e-01,  2.92968750e-01, -1.53320312e-01,
         1.05468750e-01, -2.13867188e-01, -1.23535156e-01, -3.84521484e-03,
        -2.34375000e-01, -1.92382812e-01, -2.13867188e-01, -4.17480469e-02,
         1.92382812e-01, -1.87988281e-02, -7.66601562e-02, -2.68554688e-03,
        -3.71093750e-02,  2.63671875e-01,  2.08984375e-01, -2.97851562e-02,
        -7.61718750e-02,  1.76757812e-01,  1.08886719e-01, -1.47460938e-01,
         7.17773438e-02, -1.03759766e-02, -4.73632812e-02,  6.54296875e-02,
        -1.72851562e-01, -5.98144531e-02,  2.00195312e-01, -1.16210938e-01,
        -1.10351562e-01, -1.88476562e-01,  3.04687500e-01, -1.17187500e-02,
        -2.46093750e-01, -2.63671875e-02, -1.51977539e-02, -2.96630859e-02,
        -2.98828125e-01, -1.37695312e-01, -3.12500000e-02,  2.10937500e-01,
        -9.39941406e-03,  9.66796875e-02,  1.42822266e-02, -1.97265625e-01,
         1.04003906e-01, -1.21582031e-01,  1.90429688e-02, -8.20312500e-02,
         1.61132812e-01, -1.66015625e-02,  4.76074219e-02, -2.55859375e-01,
        -1.59179688e-01, -6.29882812e-02, -2.72750854e-04,  9.08203125e-02,
        -2.71484375e-01, -8.59375000e-02,  9.81445312e-02, -1.81640625e-01,
         2.94921875e-01,  1.13769531e-01,  3.04687500e-01, -1.48437500e-01,
         1.13769531e-01, -2.79296875e-01,  2.27539062e-01,  1.55273438e-01,
        -1.23535156e-01, -7.42187500e-02,  1.13769531e-01,  7.32421875e-02,
        -1.24511719e-01,  2.61718750e-01,  1.00097656e-01, -2.96875000e-01,
        -1.59912109e-02,  1.90429688e-01,  1.90429688e-02, -1.37695312e-01,
        -1.90429688e-01,  8.74023438e-02,  1.96533203e-02,  6.62231445e-03,
         1.23046875e-01, -5.83496094e-02, -2.57812500e-01, -2.69531250e-01,
        -2.13867188e-01,  1.18652344e-01,  2.38281250e-01, -4.39453125e-02,
         3.27148438e-02, -2.19726562e-01,  6.78710938e-02,  9.52148438e-03,
        -2.23632812e-01,  2.34375000e-02,  2.39257812e-01,  2.91015625e-01,
         3.61328125e-02, -7.51953125e-02, -1.38671875e-01, -5.68847656e-02,
         1.31225586e-02, -8.64257812e-02,  1.99218750e-01, -7.37304688e-02,
         1.45507812e-01,  6.25000000e-02,  2.81250000e-01,  2.89062500e-01,
         1.07910156e-01,  2.63671875e-01, -2.67578125e-01, -2.53906250e-01,
        -9.27734375e-02,  2.33154297e-02, -1.15356445e-02, -3.61328125e-02,
         9.96093750e-02,  1.18164062e-01,  3.06640625e-01,  1.75781250e-0
2],
       dtype=float32),
 'new': array([ 1.12915039e-02,  2.89306641e-02,  8.34960938e-02, -4.980468
75e-02,
        -1.30859375e-01, -1.09863281e-01, -1.15234375e-01, -7.47070312e-02,
        -8.93554688e-02,  2.18750000e-01,  3.71093750e-02,  9.47265625e-02,
         2.34375000e-02, -8.44726562e-02, -2.65625000e-01, -1.00585938e-01,
         4.63867188e-03,  1.15234375e-01,  8.25195312e-02,  2.06298828e-02,
        -3.68652344e-02, -3.20434570e-04, -9.91210938e-02,  1.58691406e-02,
        -6.34765625e-02,  1.87500000e-01,  8.98437500e-02,  1.77734375e-01,
         1.20117188e-01,  3.71093750e-02, -1.19628906e-01,  4.05273438e-02,
        -3.22265625e-02, -3.80859375e-02,  1.26953125e-01, -1.58203125e-01,
        -5.07812500e-02, -1.56250000e-01,  8.64257812e-02, -1.17187500e-01,
         1.39648438e-01, -1.59179688e-01, -4.07714844e-02,  1.22070312e-01,
         5.24902344e-02, -1.13281250e-01,  7.91015625e-02,  1.82617188e-01,
        -5.90820312e-02, -2.20947266e-02,  9.08203125e-02,  3.49121094e-02,
        -1.02539062e-02, -5.44433594e-02,  1.34765625e-01,  6.64062500e-02,
        -8.98437500e-02, -2.15820312e-01,  1.56250000e-01, -1.51367188e-02,
        -1.09375000e-01, -1.00097656e-01, -8.20312500e-02,  2.12402344e-02,
         1.74804688e-01, -9.13085938e-02, -3.36914062e-02,  1.22070312e-01,
        -2.97851562e-02,  1.68945312e-01,  4.44335938e-02,  6.88476562e-02,
         7.91015625e-02,  8.93554688e-02, -1.18164062e-01,  1.03027344e-01,
         1.29882812e-01,  2.59765625e-01, -8.30078125e-02,  2.00195312e-01,
         1.04492188e-01, -8.25195312e-02, -8.69140625e-02,  2.31933594e-02,
         1.23046875e-01, -5.17578125e-02, -2.02148438e-01,  1.70898438e-01,
        -6.73828125e-02,  1.67968750e-01, -1.57470703e-02, -9.86328125e-02,
        -5.34667969e-02, -1.03027344e-01,  1.86767578e-02, -1.05590820e-02,
         5.10253906e-02, -1.27563477e-02,  1.78222656e-02,  2.06298828e-02,
```

```
         5.81054688e-02, -8.11767578e-03,  5.29785156e-02,  9.76562500e-03,
        -1.47460938e-01, -1.05957031e-01,  9.61914062e-02, -1.26953125e-01,
        -2.83813477e-03, -3.54003906e-02,  1.97753906e-02,  1.78710938e-01,
        -7.32421875e-02, -2.36816406e-02,  2.63671875e-01,  1.57470703e-02,
        -3.32031250e-02, -5.78613281e-02,  1.24023438e-01, -9.01222229e-05,
        -3.95507812e-02, -1.38671875e-01, -9.96093750e-02,  5.66406250e-02,
         1.11328125e-01, -5.82885742e-03,  9.37500000e-02,  3.80859375e-02,
        -1.64794922e-02,  1.47460938e-01, -2.60009766e-02,  1.81884766e-02,
        -1.38671875e-01,  5.44433594e-02,  2.36816406e-02,  1.51367188e-01,
         1.18164062e-01, -8.49609375e-02,  6.83593750e-02, -6.07299805e-03,
        -3.18908691e-03, -3.95507812e-02, -4.90722656e-02,  3.58886719e-02,
         8.25195312e-02, -4.27246094e-02,  3.78417969e-02, -2.20947266e-02,
         4.05273438e-02, -1.52343750e-01, -9.52148438e-02, -8.15429688e-02,
        -4.76074219e-03,  9.15527344e-03,  1.63085938e-01, -1.04980469e-02,
        -1.90429688e-02, -1.25000000e-01,  2.16064453e-02, -4.02832031e-02,
        -1.22070312e-03, -6.44531250e-02, -1.56250000e-01, -9.13085938e-02,
         9.15527344e-03, -7.91015625e-02,  1.80664062e-01, -4.49218750e-02,
        -2.90527344e-02, -1.48437500e-01,  8.66699219e-03, -1.57226562e-01,
        -4.85229492e-03, -2.09960938e-02,  3.00781250e-01,  8.78906250e-02,
        -3.97949219e-02, -7.11059570e-03, -8.64257812e-02,  8.64257812e-02,
        -2.04101562e-01, -4.93164062e-02, -6.29882812e-02, -1.30859375e-01,
        -4.97436523e-03, -4.05273438e-02,  1.11328125e-01,  6.07910156e-02,
         1.01562500e-01, -1.94091797e-02, -1.16210938e-01,  8.44726562e-02,
        -1.28173828e-02, -6.64062500e-02, -9.09423828e-03,  4.95605469e-02,
        -6.34765625e-02, -1.00097656e-02, -1.23535156e-01, -1.33789062e-01,
         5.79833984e-03,  4.61425781e-02,  9.03320312e-02,  4.80957031e-02,
        -3.19824219e-02,  1.86767578e-02, -8.05664062e-03,  9.96093750e-02,
         6.34765625e-02,  8.83789062e-02, -5.29785156e-02,  1.06933594e-01,
         4.95605469e-02,  1.66015625e-02, -6.44531250e-02,  8.15429688e-02,
         2.53906250e-01, -4.85839844e-02, -2.21679688e-01,  1.30859375e-01,
        -6.49414062e-02, -4.10156250e-02,  9.58251953e-03,  3.32641602e-03,
         7.61718750e-02, -2.17773438e-01, -2.10937500e-01,  1.03515625e-01,
        -1.22558594e-01, -1.05957031e-01, -1.23535156e-01,  9.76562500e-02,
        -3.68652344e-02,  1.31835938e-01,  3.56445312e-02, -7.51953125e-02,
        -1.55029297e-02, -6.54296875e-02, -9.38415527e-04,  1.42578125e-01,
         3.85742188e-02, -1.73828125e-01,  8.30078125e-02, -4.46777344e-02,
         5.55419922e-03, -8.30078125e-02,  3.08837891e-02,  1.35742188e-01,
         3.49121094e-02, -4.17480469e-02,  2.35595703e-02,  1.45507812e-01,
        -5.78613281e-02,  6.49414062e-02, -9.15527344e-03,  1.19628906e-01,
         6.05468750e-02,  5.34667969e-02,  4.85229492e-03, -2.79541016e-02,
         6.03027344e-02,  2.36816406e-02, -1.90429688e-01,  7.86132812e-02,
         1.82617188e-01,  2.75878906e-02, -1.61132812e-01, -4.44335938e-02,
        -1.59179688e-01, -3.39355469e-02,  1.99218750e-01, -2.42919922e-02,
         1.59179688e-01, -2.00195312e-01,  5.61523438e-02, -2.44140625e-02,
         1.27929688e-01, -1.59179688e-01,  1.08886719e-01, -8.64257812e-02,
        -1.33789062e-01,  1.13281250e-01, -4.56542969e-02,  1.60156250e-01,
         1.10351562e-01,  1.15234375e-01, -2.16796875e-01, -1.53320312e-01,
         1.83593750e-01, -5.59082031e-02, -3.12500000e-02,  4.41894531e-02,
        -9.86328125e-02,  2.85644531e-02, -1.70898438e-02,  1.08886719e-01,
         1.43554688e-01,  8.15429688e-02, -4.58984375e-02, -4.63867188e-0
2],
       dtype=float32),
 'research': array([-0.12304688, -0.0480957 , -0.06445312,  0.09228516,  0.
04199219,
         0.01977539,  0.19726562, -0.21386719,  0.13671875, -0.13964844,
         0.02490234, -0.12451172, -0.20800781,  0.06542969, -0.3671875 ,
        -0.02929688, -0.3125    ,  0.15527344,  0.06542969, -0.12060547,
         0.20117188, -0.12451172, -0.16113281,  0.17480469, -0.05712891,
         0.05810547,  0.07861328, -0.10302734, -0.3671875 , -0.06176758,
        -0.00512695, -0.078125  , -0.0030365 , -0.09716797,  0.12890625,
        -0.171875  , -0.26757812,  0.20410156,  0.23828125, -0.15625   ,
        -0.09570312,  0.07714844, -0.36523438,  0.11181641, -0.12402344,
        -0.19824219,  0.0189209 , -0.05371094, -0.08789062,  0.15625   ,
         0.21875   , -0.01342773, -0.02978516,  0.01940918, -0.05297852,
```

```
        -0.07666016,  0.00823975, -0.18554688,  0.00387573, -0.35742188,
        -0.24121094,  0.06591797,  0.14257812,  0.12792969, -0.24511719,
         0.1328125 , -0.01483154,  0.18945312,  0.17675781, -0.12304688,
         0.03466797, -0.08544922,  0.21777344, -0.01544189, -0.08251953,
         0.15332031, -0.04101562,  0.14355469, -0.09082031,  0.05200195,
        -0.02746582, -0.07861328,  0.02246094,  0.09765625, -0.02539062,
         0.11230469, -0.09619141,  0.3515625 , -0.22851562,  0.18066406,
         0.09033203, -0.10595703, -0.12060547,  0.15820312, -0.00646973,
        -0.03540039,  0.21191406, -0.03344727,  0.3046875 , -0.05737305,
         0.01586914, -0.2734375 , -0.11035156,  0.11083984,  0.17285156,
         0.08740234, -0.27148438, -0.17675781,  0.15722656, -0.03417969,
        -0.34960938,  0.10009766, -0.10351562,  0.31835938,  0.12255859,
         0.01141357, -0.21972656, -0.04418945,  0.5078125 ,  0.05102539,
        -0.05322266,  0.07519531, -0.18457031,  0.07421875, -0.20800781,
        -0.08691406, -0.12109375,  0.1640625 , -0.1796875 ,  0.09912109,
        -0.09130859, -0.18066406,  0.17089844,  0.03613281, -0.02990723,
        -0.04492188,  0.11425781,  0.05688477, -0.1796875 , -0.0625    ,
         0.08837891,  0.01361084, -0.03369141,  0.10498047,  0.00096512,
         0.01928711,  0.33007812, -0.10351562,  0.09960938, -0.34179688,
         0.08056641, -0.24804688, -0.14257812,  0.20410156,  0.14746094,
        -0.18652344,  0.04833984, -0.05541992, -0.04931641, -0.14257812,
        -0.06689453,  0.03442383, -0.05102539,  0.20117188,  0.28125   ,
        -0.02746582,  0.31054688,  0.03515625, -0.00692749, -0.28515625,
         0.32617188, -0.09033203, -0.13769531,  0.08447266,  0.14257812,
        -0.07128906, -0.06787109, -0.13476562,  0.01721191,  0.01220703,
        -0.23535156, -0.10546875, -0.04125977, -0.12792969, -0.03710938,
        -0.10351562, -0.00491333, -0.00643921,  0.05444336,  0.00201416,
        -0.05175781, -0.3125    , -0.00708008, -0.0703125 , -0.21191406,
         0.00561523,  0.14550781, -0.21679688,  0.13476562, -0.13574219,
        -0.26171875,  0.11035156, -0.12207031,  0.06982422, -0.14746094,
         0.12890625, -0.00994873,  0.0625    ,  0.04052734, -0.23730469,
         0.05566406, -0.14453125, -0.16015625, -0.04638672, -0.02441406,
         0.203125  ,  0.24121094,  0.04541016,  0.34375   ,  0.04418945,
        -0.18359375, -0.07080078,  0.328125  , -0.10888672, -0.11230469,
         0.08886719,  0.15820312, -0.19042969, -0.12988281,  0.11816406,
         0.10009766, -0.24023438,  0.06884766, -0.17773438, -0.14453125,
        -0.07568359, -0.11132812,  0.06079102,  0.12011719, -0.08447266,
         0.31640625, -0.06152344, -0.04174805, -0.00479126,  0.05102539,
         0.02307129,  0.09423828,  0.05688477, -0.10742188, -0.11181641,
        -0.13183594, -0.15429688,  0.16113281, -0.1640625 ,  0.109375  ,
        -0.17871094,  0.01556396,  0.05664062, -0.20019531,  0.01330566,
         0.16210938, -0.06298828, -0.16601562,  0.10498047, -0.15429688,
         0.1640625 , -0.19921875, -0.16113281, -0.08447266,  0.109375  ,
         0.05786133, -0.16308594,  0.10595703, -0.14160156,  0.02746582,
        -0.21484375, -0.25195312,  0.02429199,  0.375     , -0.171875  ,
         0.203125  ,  0.03540039,  0.05078125,  0.17382812, -0.07324219,
         0.23144531, -0.00830078,  0.18945312,  0.1171875 , -0.15722656,
        -0.05688477, -0.11181641, -0.12207031,  0.22167969,  0.08398438,
         0.01312256,  0.00265503, -0.02587891,  0.08447266,  0.01092529],
       dtype=float32),
 'finding': array([-0.01611328,  0.03173828, -0.21386719,  0.1328125 , -0.0
6640625,
         0.0135498 ,  0.01367188,  0.00271606,  0.08544922,  0.00939941,
         0.13671875,  0.03857422, -0.06689453,  0.01635742, -0.15234375,
         0.11816406, -0.06298828,  0.17871094, -0.03295898, -0.01507568,
         0.03369141, -0.05541992, -0.15527344, -0.13476562, -0.03759766,
        -0.13769531, -0.23242188,  0.00958252, -0.11914062,  0.12109375,
        -0.17382812, -0.10400391,  0.17089844,  0.07226562, -0.0279541 ,
         0.03320312,  0.01367188,  0.00799561,  0.18359375, -0.07617188,
         0.03637695,  0.16210938, -0.25390625,  0.03125   , -0.21875   ,
        -0.12792969,  0.09863281,  0.12695312, -0.14453125,  0.03588867,
         0.10693359,  0.06933594, -0.17480469, -0.09570312,  0.03149414,
         0.09765625,  0.09619141, -0.13378906,  0.01391602, -0.0213623 ,
         0.12988281,  0.35742188, -0.02880859, -0.14453125, -0.14453125,
```

```
        -0.12402344, -0.0189209 , -0.13476562,  0.08447266,  0.00104523,
        -0.05932617,  0.10302734, -0.13671875, -0.1875    , -0.16015625,
         0.09130859, -0.0291748 ,  0.18261719,  0.09521484,  0.45703125,
        -0.13085938, -0.10595703,  0.22558594, -0.00494385,  0.05419922,
        -0.12451172, -0.01855469,  0.04321289, -0.02868652,  0.00132751,
        -0.03015137,  0.0222168 ,  0.05297852, -0.02050781, -0.05883789,
        -0.02783203,  0.19042969,  0.02453613,  0.04003906,  0.04003906,
        -0.18261719, -0.3125    ,  0.25      ,  0.078125  ,  0.02697754,
         0.03955078, -0.01733398, -0.19042969,  0.07373047, -0.20507812,
         0.06396484,  0.12011719, -0.07324219,  0.13085938,  0.0255127 ,
         0.1875    ,  0.18652344,  0.15136719,  0.17578125,  0.01556396,
        -0.18164062,  0.11914062, -0.23046875,  0.06103516, -0.02233887,
         0.15722656, -0.05078125, -0.20117188, -0.12060547,  0.00228882,
         0.30859375, -0.23828125, -0.22363281,  0.29296875, -0.05175781,
        -0.05664062,  0.08154297, -0.00964355, -0.01116943,  0.05493164,
        -0.01324463, -0.07373047, -0.0625    ,  0.01623535,  0.07861328,
         0.05273438, -0.33398438, -0.16015625, -0.07470703,  0.02490234,
        -0.13671875, -0.12207031, -0.14550781,  0.0625    ,  0.09228516,
         0.13574219,  0.12890625,  0.03442383, -0.171875  ,  0.08789062,
         0.0090332 ,  0.08300781, -0.09326172, -0.04614258, -0.12890625,
         0.01550293,  0.25195312,  0.04174805,  0.04223633, -0.29101562,
         0.03015137,  0.00769043, -0.14550781, -0.04882812, -0.16503906,
         0.05712891,  0.18554688, -0.09863281, -0.1875    ,  0.03540039,
         0.12988281,  0.04492188,  0.0559082 , -0.08496094, -0.16601562,
        -0.15039062, -0.25195312, -0.08154297,  0.29882812, -0.02954102,
        -0.21679688, -0.00683594,  0.10888672, -0.11181641, -0.18847656,
        -0.02075195,  0.05151367, -0.18359375,  0.01409912, -0.16992188,
         0.12451172, -0.02612305, -0.29882812, -0.37695312,  0.14355469,
         0.12011719, -0.09570312,  0.06591797,  0.06298828, -0.05981445,
        -0.15917969,  0.10205078, -0.1796875 ,  0.0279541 , -0.09130859,
         0.14648438,  0.10498047, -0.05419922, -0.1875    , -0.05957031,
         0.109375  , -0.25      ,  0.13671875,  0.30273438, -0.10791016,
        -0.07763672,  0.06225586, -0.01989746,  0.02941895,  0.0456543 ,
        -0.06298828, -0.02124023,  0.06884766,  0.07910156,  0.15039062,
        -0.07861328, -0.01287842, -0.20996094, -0.31054688,  0.13183594,
         0.03710938,  0.02038574, -0.26171875, -0.17480469,  0.07519531,
         0.24316406,  0.12988281,  0.14257812,  0.07324219, -0.03613281,
        -0.01342773, -0.08251953,  0.11328125,  0.17773438,  0.14355469,
         0.02001953,  0.04150391,  0.01257324,  0.02856445,  0.0456543 ,
         0.05615234, -0.04589844,  0.02746582,  0.21777344,  0.06640625,
         0.10888672,  0.14355469, -0.17382812,  0.00189209,  0.10302734,
         0.10595703,  0.06933594,  0.22949219, -0.01098633,  0.05297852,
         0.17480469, -0.13476562, -0.16503906,  0.07421875, -0.14257812,
        -0.07128906, -0.16601562,  0.02294922,  0.01574707,  0.01000977,
         0.19042969, -0.05834961,  0.08691406,  0.10791016,  0.11767578,
        -0.06835938,  0.06933594, -0.00469971,  0.16503906, -0.00634766,
        -0.0009346 ,  0.21777344,  0.1171875 ,  0.13574219,  0.11425781],
       dtype=float32),
 'addition': array([ 0.04541016,  0.11523438, -0.17578125, -0.0133667 ,  0.
05175781,
         0.28515625, -0.07470703, -0.1640625 , -0.09033203,  0.07275391,
         0.03955078, -0.15234375, -0.09667969,  0.16308594, -0.08544922,
        -0.12890625, -0.12109375, -0.02319336, -0.09033203,  0.06494141,
         0.20410156,  0.06738281, -0.296875  , -0.08056641, -0.15722656,
        -0.08886719, -0.06884766,  0.03222656, -0.35351562,  0.14648438,
        -0.02868652, -0.18066406,  0.10839844,  0.13867188,  0.15527344,
        -0.10742188,  0.2109375 , -0.11181641, -0.01507568, -0.08740234,
         0.12060547,  0.08740234, -0.00418091,  0.20605469, -0.08496094,
        -0.23535156, -0.16796875, -0.04663086,  0.02294922, -0.07177734,
         0.11669922, -0.06445312,  0.01928711, -0.33398438,  0.12451172,
         0.02478027, -0.06689453, -0.05224609,  0.203125  ,  0.05786133,
        -0.1796875 ,  0.05395508,  0.07666016,  0.15625   ,  0.01611328,
         0.07470703, -0.16113281,  0.05615234, -0.12451172,  0.22265625,
         0.02783203,  0.04345703,  0.21972656,  0.11279297,  0.00628662,
```

```
        -0.17578125,  0.05126953,  0.0703125 ,  0.0703125 ,  0.07128906,
         0.04077148, -0.10400391,  0.01330566, -0.18847656,  0.10449219,
        -0.21484375, -0.22851562,  0.16699219,  0.05908203,  0.125     ,
         0.16308594,  0.01031494,  0.13476562,  0.14941406, -0.07617188,
        -0.04760742, -0.09570312,  0.29492188, -0.04125977, -0.04492188,
        -0.0456543 , -0.09570312, -0.24511719,  0.04003906, -0.08691406,
        -0.16699219, -0.16992188,  0.13085938, -0.19628906,  0.04931641,
        -0.125     ,  0.11669922,  0.09375   ,  0.30078125,  0.18066406,
        -0.03637695, -0.06640625,  0.12304688,  0.19726562, -0.0559082 ,
        -0.01275635, -0.22460938, -0.05493164,  0.09326172,  0.22558594,
         0.06591797, -0.12597656,  0.03686523,  0.12890625,  0.18457031,
         0.01696777, -0.06591797, -0.01257324,  0.00964355, -0.00357056,
        -0.08642578,  0.06225586, -0.06079102,  0.07128906,  0.05859375,
         0.06738281,  0.04321289,  0.12011719,  0.06933594,  0.28710938,
         0.08496094,  0.07324219,  0.04711914, -0.04833984,  0.14453125,
         0.00210571,  0.21484375, -0.1953125 , -0.14550781,  0.01043701,
        -0.07910156, -0.11523438,  0.0078125 , -0.13964844,  0.05664062,
         0.13769531, -0.14257812, -0.04077148,  0.08789062, -0.12011719,
         0.00579834,  0.19238281, -0.00215149, -0.03662109, -0.25390625,
        -0.01599121, -0.06445312,  0.23828125, -0.14746094,  0.09277344,
        -0.04833984, -0.09863281, -0.00567627, -0.17773438,  0.02233887,
        -0.1875    , -0.02807617, -0.09130859, -0.10205078,  0.02050781,
        -0.05273438,  0.25      , -0.109375  , -0.09814453, -0.01318359,
        -0.14257812, -0.1171875 , -0.02185059, -0.19921875, -0.20019531,
         0.03295898,  0.16015625, -0.02685547, -0.14355469, -0.1640625 ,
        -0.02111816,  0.06396484,  0.01446533, -0.14160156, -0.16210938,
        -0.26367188, -0.05322266,  0.18652344,  0.04272461,  0.24902344,
         0.08984375,  0.08349609, -0.05322266,  0.19824219,  0.09619141,
         0.09619141,  0.07714844,  0.05712891, -0.04760742,  0.04541016,
         0.05322266,  0.09619141, -0.203125  , -0.09179688,  0.05297852,
         0.00933838, -0.10058594,  0.05200195, -0.08007812, -0.22753906,
        -0.11035156,  0.26367188, -0.00326538,  0.09912109, -0.07275391,
        -0.02160645,  0.11669922, -0.02941895, -0.10009766,  0.10546875,
        -0.36132812, -0.0559082 ,  0.15820312, -0.23828125,  0.07275391,
         0.04833984, -0.02001953,  0.16210938, -0.03100586, -0.15234375,
         0.10595703,  0.02612305, -0.19042969,  0.015625  ,  0.02185059,
         0.0062561 ,  0.27734375,  0.00619507, -0.04541016,  0.22070312,
         0.15234375,  0.13476562, -0.03051758,  0.17773438,  0.05859375,
         0.07910156,  0.0189209 ,  0.12060547, -0.24804688,  0.04589844,
        -0.0456543 , -0.11181641,  0.01281738, -0.27148438,  0.08056641,
         0.06396484,  0.00473022, -0.18847656,  0.16015625, -0.02624512,
         0.05029297,  0.17089844, -0.00157166,  0.09863281, -0.10742188,
         0.02368164, -0.06494141, -0.33398438,  0.10253906, -0.08251953,
         0.02441406, -0.10644531,  0.13183594, -0.07714844, -0.17089844,
        -0.00042725, -0.06347656,  0.28515625,  0.07714844, -0.03735352],
       dtype=float32),
 'continuing': array([-0.0324707 ,  0.21679688, -0.1484375 ,  0.13867188, -
0.10546875,
         0.14160156,  0.19140625, -0.12255859,  0.19140625, -0.03222656,
        -0.19042969,  0.14355469,  0.05786133,  0.04663086, -0.203125  ,
        -0.29296875,  0.00176239, -0.1171875 ,  0.14453125, -0.14355469,
        -0.20800781, -0.07617188, -0.05175781, -0.06494141, -0.16992188,
        -0.05688477,  0.12597656,  0.18847656,  0.00549316,  0.07128906,
         0.25      , -0.203125  ,  0.03393555, -0.27929688, -0.10644531,
         0.20703125, -0.01403809, -0.04638672, -0.03637695, -0.19628906,
         0.27539062, -0.02038574, -0.01293945,  0.10205078, -0.14941406,
        -0.01141357,  0.04907227,  0.13183594,  0.06152344, -0.19335938,
         0.02453613,  0.01501465, -0.12060547,  0.24414062,  0.17285156,
         0.08544922, -0.13574219, -0.09130859,  0.06054688, -0.12597656,
        -0.16503906,  0.28125   ,  0.04003906, -0.09228516,  0.04858398,
         0.01660156, -0.08837891,  0.0546875 , -0.05664062, -0.08544922,
        -0.36914062, -0.05737305,  0.22363281,  0.04492188,  0.03369141,
        -0.04248047,  0.21289062, -0.08984375, -0.03063965,  0.04541016,
         0.00121307,  0.03393555, -0.05834961, -0.10644531, -0.06933594,
```

```
        -0.02893066, -0.10058594,  0.17773438, -0.02697754,  0.15820312,
         0.3046875 , -0.11083984, -0.00411987, -0.13476562, -0.12695312,
        -0.02966309,  0.00311279,  0.13769531,  0.00787354, -0.00723267,
        -0.1328125 , -0.02307129,  0.22851562,  0.06640625, -0.00964355,
         0.03833008,  0.09375   , -0.14160156,  0.09912109, -0.05444336,
        -0.05078125,  0.01538086, -0.19824219, -0.05200195, -0.09326172,
         0.23046875,  0.11914062, -0.10400391,  0.10742188,  0.20703125,
        -0.05737305,  0.06542969, -0.02026367, -0.04785156,  0.08984375,
         0.07568359, -0.20703125, -0.17773438, -0.09863281,  0.23046875,
         0.14746094, -0.12695312, -0.18261719,  0.05957031, -0.07763672,
        -0.13476562,  0.26757812,  0.01672363,  0.39257812,  0.140625  ,
        -0.11669922, -0.06396484,  0.07666016,  0.16015625, -0.11767578,
         0.04077148,  0.02380371, -0.08789062,  0.05029297,  0.14550781,
         0.17871094,  0.0324707 , -0.07226562,  0.01544189,  0.00793457,
         0.22753906,  0.20605469, -0.03051758, -0.0072937 ,  0.11279297,
         0.10400391,  0.12597656, -0.03466797, -0.03588867,  0.00107574,
         0.05029297,  0.14160156,  0.08447266,  0.01043701,  0.01361084,
         0.02282715,  0.08691406,  0.10058594, -0.22460938,  0.19824219,
        -0.04882812,  0.15039062,  0.09033203, -0.25      , -0.02954102,
        -0.08447266,  0.05786133,  0.03125   , -0.12597656,  0.12988281,
         0.18652344,  0.05371094,  0.05566406,  0.21582031,  0.05664062,
         0.03662109,  0.1640625 ,  0.13476562, -0.12792969,  0.02001953,
         0.06738281,  0.08007812, -0.00363159,  0.03808594, -0.03466797,
        -0.12402344, -0.03271484,  0.07080078,  0.08447266,  0.18359375,
         0.21289062, -0.13574219,  0.11132812,  0.15722656, -0.10839844,
        -0.0703125 ,  0.19824219, -0.0480957 ,  0.1796875 ,  0.1328125 ,
        -0.01257324, -0.01245117, -0.01904297, -0.078125  ,  0.05957031,
         0.18457031,  0.05126953, -0.11083984,  0.17578125, -0.0390625 ,
        -0.2578125 ,  0.08056641, -0.12158203,  0.17089844, -0.11767578,
        -0.01367188,  0.0456543 ,  0.03173828,  0.09570312, -0.10058594,
        -0.07958984,  0.09521484, -0.09228516,  0.18554688,  0.125     ,
         0.0010376 ,  0.07275391,  0.02062988,  0.04150391, -0.01416016,
        -0.13867188,  0.00469971, -0.03100586, -0.09472656,  0.09228516,
         0.08300781,  0.10107422,  0.21972656, -0.19335938, -0.01635742,
        -0.109375  ,  0.34179688, -0.07861328, -0.13476562,  0.15234375,
         0.21972656,  0.19628906,  0.28710938,  0.22070312,  0.05615234,
         0.08300781, -0.02978516, -0.10839844, -0.07421875,  0.09375   ,
         0.08300781,  0.1484375 ,  0.08691406,  0.03759766,  0.16894531,
         0.03027344,  0.04833984,  0.02612305, -0.10400391,  0.02832031,
        -0.10351562, -0.0625    ,  0.10351562,  0.12353516, -0.02929688,
         0.00268555,  0.1484375 ,  0.12060547,  0.265625  , -0.12304688,
        -0.12988281,  0.23632812, -0.21679688,  0.1640625 ,  0.00897217,
        -0.15722656,  0.25585938,  0.25      ,  0.16503906, -0.19824219],
       dtype=float32),
 'education': array([-8.49609375e-02,  1.10473633e-02, -8.91113281e-03,  5.
29785156e-02,
         2.28515625e-01,  7.47070312e-02,  3.10546875e-01, -1.51367188e-01,
        -1.00585938e-01, -3.14453125e-01,  9.00268555e-04,  9.42382812e-02,
        -1.91406250e-01,  1.62109375e-01, -5.88378906e-02,  1.40625000e-01,
         3.61633301e-03,  1.12304688e-01,  2.20703125e-01, -1.47460938e-01,
         1.88476562e-01,  1.57226562e-01,  2.41210938e-01,  1.78710938e-01,
        -1.76757812e-01, -1.28906250e-01, -1.25976562e-01, -2.50244141e-02,
        -1.66015625e-01, -4.34570312e-02, -1.15966797e-03, -1.05468750e-01,
        -1.69921875e-01, -1.51367188e-01, -1.02050781e-01, -9.47265625e-02,
         1.87500000e-01,  2.71484375e-01, -1.05468750e-01, -3.29589844e-02,
        -1.47460938e-01,  1.93359375e-01,  2.97851562e-02, -2.27050781e-02,
        -5.56640625e-02, -1.14746094e-01,  1.35742188e-01,  8.49609375e-02,
        -1.68945312e-01,  1.58691406e-02,  1.22070312e-02, -5.00488281e-03,
         9.94873047e-03,  1.25976562e-01,  1.36718750e-02, -1.70898438e-02,
        -2.75390625e-01, -3.56445312e-02, -1.71875000e-01, -1.23535156e-01,
        -8.15429688e-02, -1.62109375e-01,  6.34765625e-02, -2.69531250e-01,
        -4.79125977e-03,  9.03320312e-02, -1.02539062e-01,  6.88476562e-02,
         8.49609375e-02, -9.61914062e-02, -2.77343750e-01,  4.05273438e-02,
         1.29882812e-01,  2.16796875e-01,  8.49609375e-02,  1.01928711e-02,
```

```
         1.25976562e-01,  1.49414062e-01,  1.33789062e-01,  4.51660156e-02,
        -8.15429688e-02, -3.78417969e-02, -1.26953125e-01,  1.13769531e-01,
        -6.12792969e-02,  1.01074219e-01,  6.29882812e-02,  1.69921875e-01,
         8.05664062e-02, -9.39941406e-03,  2.35351562e-01, -2.16796875e-01,
        -9.57031250e-02, -1.08398438e-01,  2.99072266e-02, -4.57763672e-03,
         2.73437500e-01,  1.52343750e-01,  1.28906250e-01, -1.43554688e-01,
        -1.20239258e-02,  9.91210938e-02, -1.07910156e-01,  1.01074219e-01,
        -1.25976562e-01, -7.91015625e-02,  1.98974609e-02,  1.23535156e-01,
         2.04101562e-01, -4.02343750e-01, -6.88476562e-02,  1.44531250e-01,
        -1.36718750e-01,  1.78710938e-01,  2.86865234e-02,  1.13281250e-01,
         1.47460938e-01, -1.68945312e-01,  7.95898438e-02, -4.76074219e-02,
        -1.06445312e-01,  2.18750000e-01, -7.89642334e-04,  9.71679688e-02,
        -1.83593750e-01, -1.05468750e-01, -1.01074219e-01,  4.56542969e-02,
        -4.32968140e-04,  2.09960938e-01,  1.43554688e-01, -2.51953125e-01,
        -2.45117188e-01, -2.29492188e-01, -2.06298828e-02, -4.78515625e-02,
         3.44238281e-02, -1.60156250e-01, -3.39355469e-02,  9.66796875e-02,
        -1.51367188e-01, -5.56640625e-02, -7.27539062e-02, -6.59179688e-02,
        -3.26171875e-01, -7.08007812e-02,  2.22656250e-01,  9.71679688e-02,
        -6.44531250e-02, -1.51367188e-02,  1.90429688e-01, -5.41992188e-02,
        -1.04980469e-01,  4.90722656e-02, -1.25976562e-01, -2.32421875e-01,
        -1.60156250e-01, -2.83203125e-01, -1.08886719e-01, -3.55468750e-01,
         1.00097656e-02, -2.79541016e-02, -5.05371094e-02,  3.57421875e-01,
        -1.06811523e-02,  2.25830078e-02,  4.85839844e-02, -2.63671875e-01,
         7.27539062e-02, -4.51660156e-02, -4.76074219e-02,  1.70898438e-01,
        -4.27246094e-02, -1.39648438e-01,  1.51367188e-01,  1.43554688e-01,
         8.44726562e-02, -4.17480469e-02, -3.93066406e-02,  2.13867188e-01,
        -2.59765625e-01, -2.91015625e-01,  9.52148438e-02,  9.57031250e-02,
         9.13085938e-02, -4.54711914e-03, -2.04101562e-01,  2.66113281e-02,
         2.29492188e-01,  1.51367188e-01,  5.98144531e-02, -1.98242188e-01,
        -1.04492188e-01,  2.31445312e-01, -1.96289062e-01, -3.01513672e-02,
         9.86328125e-02, -1.22070312e-01,  2.26562500e-01,  8.25195312e-02,
        -2.65625000e-01,  4.12597656e-02,  3.88671875e-01, -5.07812500e-01,
        -1.30859375e-01, -2.50000000e-01, -6.44531250e-02, -2.89062500e-01,
        -7.56835938e-02, -1.40991211e-02,  9.52148438e-03, -5.49316406e-02,
         6.00585938e-02, -1.28906250e-01,  3.22265625e-02,  2.27539062e-01,
         1.75781250e-01,  1.70898438e-01, -8.78906250e-03, -1.28906250e-01,
        -1.77734375e-01, -2.67578125e-01,  3.53515625e-01,  2.11914062e-01,
         1.22558594e-01,  1.69677734e-02,  2.31445312e-01,  9.64355469e-03,
         2.29492188e-02,  2.15820312e-01,  6.64062500e-02, -5.66406250e-02,
        -4.41894531e-02,  1.25885010e-03,  5.37109375e-02,  1.62109375e-01,
         7.42187500e-02,  7.81250000e-03,  2.67333984e-02, -8.25195312e-02,
         9.42382812e-02,  2.40478516e-02,  1.20117188e-01,  7.66601562e-02,
        -5.37109375e-02, -3.10546875e-01,  4.68750000e-02, -7.95898438e-02,
        -5.05371094e-02, -6.07910156e-02, -4.58984375e-02,  1.09863281e-01,
        -9.58251953e-03,  1.05468750e-01, -6.59179688e-02, -2.57812500e-01,
        -1.19018555e-03, -1.10351562e-01, -1.66992188e-01,  7.56835938e-02,
         1.33789062e-01,  5.95703125e-02, -6.39648438e-02,  6.54296875e-02,
         1.89208984e-02,  1.30859375e-01, -1.56250000e-02, -5.44433594e-02,
        -2.13867188e-01,  1.89453125e-01, -2.96875000e-01, -4.37011719e-02,
        -4.46777344e-02, -6.22558594e-02, -5.51757812e-02, -1.22070312e-01,
         1.24023438e-01, -3.55468750e-01, -1.46484375e-01, -4.85839844e-02,
         2.79541016e-02, -1.43554688e-01,  1.52587891e-02,  1.81640625e-01,
        -2.57812500e-01,  1.11816406e-01,  3.61328125e-02,  4.90722656e-02,
         2.91015625e-01,  1.22558594e-01, -3.10546875e-01, -1.63085938e-01,
        -2.89306641e-02, -6.39648438e-02,  4.76074219e-02, -9.03320312e-03,
         5.41992188e-02, -1.14257812e-01,  2.47070312e-01,  1.42578125e-0
1],
       dtype=float32),
 'course': array([ 3.06396484e-02,  7.08007812e-02,  7.22656250e-02,  1.464
84375e-01,
        -7.27539062e-02, -2.20703125e-01,  5.81054688e-02, -9.42382812e-02,
        -5.44433594e-02,  4.02832031e-02, -9.61914062e-02, -6.44531250e-02,
        -2.24609375e-01,  4.00390625e-02, -9.96093750e-02,  2.14843750e-01,
         1.00585938e-01, -1.03149414e-02,  1.27929688e-01, -3.16406250e-01,
```

```
 3.21960449e-03,  2.75390625e-01,  6.54296875e-02,  1.68945312e-01,
 8.30078125e-02, -7.37304688e-02, -3.06640625e-01,  2.25830078e-02,
-2.29492188e-02,  1.04980469e-01,  9.03320312e-02, -7.22656250e-02,
-1.83105469e-02,  9.37500000e-02, -1.61132812e-01,  1.06445312e-01,
-3.75976562e-02, -2.46093750e-01,  1.01074219e-01, -1.97265625e-01,
 7.08007812e-02,  9.81445312e-02,  4.95605469e-02,  5.68847656e-02,
-1.01562500e-01, -1.02050781e-01,  1.46484375e-01, -8.05664062e-02,
 4.44335938e-02,  1.52343750e-01, -5.44433594e-02, -1.22680664e-02,
 3.10058594e-02, -3.97949219e-02,  2.37304688e-01,  1.64062500e-01,
 5.00488281e-02, -8.39843750e-02,  6.49414062e-02, -1.26953125e-01,
-2.20947266e-02,  1.40625000e-01,  1.51367188e-01, -1.51367188e-01,
 1.31835938e-01, -4.32128906e-02,  2.45361328e-02,  5.09643555e-03,
-1.74804688e-01, -5.71289062e-02, -8.98437500e-02, -6.03027344e-02,
 3.65234375e-01,  2.94189453e-02,  2.25830078e-02,  6.34765625e-02,
 1.32812500e-01,  1.86523438e-01,  1.40380859e-02, -2.73437500e-02,
 6.22558594e-02, -1.80664062e-01, -1.51824951e-03, -1.05957031e-01,
-1.25976562e-01, -7.75146484e-03, -1.44653320e-02,  1.25000000e-01,
 1.90429688e-01, -1.67236328e-02, -7.66601562e-02,  7.42187500e-02,
-9.13085938e-02, -6.25000000e-02, -2.57568359e-02, -1.23046875e-01,
 8.88671875e-02, -1.04003906e-01,  4.90722656e-02, -1.98242188e-01,
 1.03027344e-01, -2.90527344e-02, -1.31835938e-01,  4.58984375e-02,
-1.71875000e-01, -8.15429688e-02,  2.47802734e-02, -3.90625000e-02,
 1.75781250e-01, -1.57226562e-01, -8.05664062e-03,  1.40991211e-02,
 1.29699707e-04,  1.54296875e-01,  1.86523438e-01, -1.67968750e-01,
 7.76367188e-02, -4.49218750e-02, -1.57470703e-02,  2.18750000e-01,
-2.91015625e-01, -3.58886719e-02,  1.60156250e-01,  1.96289062e-01,
-8.49609375e-02,  6.93359375e-02, -1.05468750e-01, -1.08886719e-01,
-2.19726562e-02,  2.39257812e-01, -1.97753906e-02, -1.30859375e-01,
-1.85546875e-01, -6.93359375e-02,  2.17285156e-02, -1.16699219e-01,
 6.73828125e-02, -9.64355469e-03,  2.53906250e-02,  8.36181641e-03,
 2.28271484e-02, -1.51367188e-01,  2.06054688e-01, -1.74804688e-01,
-9.64355469e-03,  6.40869141e-03, -3.51562500e-02, -6.10351562e-02,
-1.74804688e-01,  1.41601562e-02, -1.96289062e-01,  3.36914062e-02,
-5.55419922e-03, -1.45507812e-01, -1.41601562e-01, -1.58203125e-01,
-1.23291016e-02, -1.92382812e-01, -7.27539062e-02,  3.12500000e-02,
-8.54492188e-02,  3.75000000e-01,  2.24609375e-02, -5.82885742e-03,
-1.91406250e-01,  4.56542969e-02,  1.44531250e-01, -7.61718750e-02,
 1.61132812e-02, -3.88183594e-02, -1.06811523e-02,  1.35742188e-01,
-5.70678711e-03,  4.27246094e-02, -1.07421875e-01, -1.44531250e-01,
-1.47460938e-01, -2.96630859e-02, -7.86132812e-02, -8.05664062e-03,
-2.02148438e-01, -8.78906250e-02,  2.18200684e-03,  1.34765625e-01,
-4.39453125e-02,  1.01562500e-01,  1.70898438e-01,  5.02929688e-02,
 9.17968750e-02, -1.92382812e-01,  2.87109375e-01,  2.20703125e-01,
-3.90625000e-02,  2.55859375e-01, -1.44531250e-01, -1.29882812e-01,
 4.22363281e-02,  1.06445312e-01, -2.42187500e-01, -3.71093750e-02,
 3.34472656e-02,  2.03125000e-01, -4.76074219e-03, -6.95800781e-03,
-6.80541992e-03,  8.23974609e-03, -7.95898438e-02, -1.05468750e-01,
 4.40597534e-04, -2.88391113e-03, -3.73535156e-02, -1.06201172e-02,
-4.51660156e-02,  1.69921875e-01, -1.35742188e-01,  8.34960938e-02,
-1.74560547e-02, -2.13867188e-01, -1.81640625e-01, -1.47460938e-01,
-4.88281250e-02, -3.51562500e-02,  4.85839844e-02, -2.45361328e-02,
 1.54296875e-01, -1.34765625e-01,  8.88671875e-02, -1.42578125e-01,
-6.12792969e-02,  4.07714844e-02,  8.98437500e-02, -8.64257812e-02,
 1.34765625e-01, -1.37695312e-01,  1.34765625e-01,  8.69140625e-02,
 1.17675781e-01,  6.44531250e-02,  1.42578125e-01, -2.58789062e-02,
-4.19921875e-02,  1.53320312e-01,  7.51953125e-02, -1.73339844e-02,
 2.13623047e-02, -2.26562500e-01, -1.09863281e-01,  1.04492188e-01,
-5.34667969e-02,  7.99560547e-03,  3.88183594e-02,  8.83789062e-02,
-5.73730469e-03,  1.53808594e-02,  1.29394531e-02, -1.37695312e-01,
-4.78515625e-02,  2.96630859e-02, -3.26171875e-01, -7.99560547e-03,
 5.59082031e-02, -2.79541016e-02,  1.24511719e-01, -1.25976562e-01,
 2.59765625e-01,  3.24707031e-02,  8.42285156e-03, -1.35742188e-01,
-1.12304688e-01, -7.04956055e-03,  4.02832031e-02, -3.75976562e-02,
-1.30859375e-01,  1.63085938e-01, -5.71289062e-02,  6.10351562e-03,
```

```
         1.30859375e-01, -7.56835938e-02, -4.32128906e-02, -4.54101562e-02,
         1.01074219e-01, -3.11279297e-02,  1.04370117e-02,  1.11816406e-01,
         1.28906250e-01, -8.93554688e-02, -3.16406250e-01,  1.03515625e-01,
        -1.25976562e-01,  1.94335938e-01, -5.83496094e-02,  1.42578125e-01,
        -1.34765625e-01,  9.86328125e-02,  8.15429688e-02, -1.74804688e-01,
        -5.37109375e-02, -9.88769531e-03, -2.45361328e-02,  1.39770508e-0
2],
       dtype=float32),
 'certification': array([-3.41796875e-01, -2.98828125e-01, -1.41601562e-01,
9.37500000e-02,
         2.15820312e-01,  1.74804688e-01,  1.91406250e-01, -4.23828125e-01,
         8.98437500e-02, -2.00195312e-01,  1.35742188e-01,  1.32812500e-01,
        -1.05957031e-01, -2.92968750e-02, -2.05078125e-01,  1.80664062e-01,
         1.91406250e-01,  1.74804688e-01, -3.71093750e-01, -1.03515625e-01,
         1.48925781e-02,  2.63671875e-01, -3.04687500e-01,  9.57031250e-02,
        -1.72851562e-01,  1.36718750e-02, -1.98242188e-01, -1.98974609e-02,
         1.46484375e-01,  2.83813477e-03,  2.81250000e-01, -6.39648438e-02,
         7.12890625e-02, -4.78515625e-01, -7.08007812e-02, -1.85546875e-01,
        -3.95507812e-02, -3.24707031e-02,  1.36718750e-01, -4.86328125e-01,
        -2.01171875e-01, -2.32421875e-01,  2.23388672e-02, -1.17187500e-01,
        -3.47656250e-01, -3.33984375e-01,  1.24511719e-01,  1.26953125e-01,
        -1.99218750e-01,  1.99218750e-01, -8.30078125e-03, -7.29370117e-03,
         1.17675781e-01, -7.22656250e-02,  1.25000000e-01,  1.48437500e-01,
         1.91406250e-01, -3.28125000e-01,  1.25000000e-01, -2.92968750e-01,
        -8.54492188e-02,  1.55273438e-01, -2.28881836e-03, -2.42187500e-01,
        -6.54296875e-02,  1.28906250e-01, -1.74804688e-01, -4.00390625e-02,
        -2.53906250e-01, -2.65625000e-01, -1.32812500e-01,  1.34887695e-02,
        -1.20117188e-01, -4.63867188e-02, -1.58691406e-02, -2.29492188e-01,
         3.37890625e-01, -4.15039062e-02,  2.03125000e-01,  4.10156250e-01,
        -7.08007812e-02, -1.35742188e-01, -2.02636719e-02, -9.09423828e-03,
        -4.39453125e-02,  1.41601562e-01,  1.38671875e-01,  9.27734375e-02,
         3.19824219e-02, -2.91015625e-01,  1.32812500e-01,  4.76837158e-04,
        -2.73437500e-01, -1.23535156e-01,  6.59179688e-02, -6.78710938e-02,
        -3.24218750e-01, -9.57031250e-02,  1.66015625e-01, -1.55273438e-01,
         2.46582031e-02, -1.89453125e-01, -8.74023438e-02,  4.45556641e-03,
         2.46582031e-02, -3.16406250e-01, -8.64257812e-02, -1.88476562e-01,
         2.79296875e-01, -3.18359375e-01,  5.61523438e-02,  4.10156250e-01,
        -3.04687500e-01,  3.37890625e-01, -2.08984375e-01,  4.27734375e-01,
        -1.42578125e-01,  2.67578125e-01,  2.63671875e-01, -4.68750000e-02,
        -1.29882812e-01,  2.05078125e-01,  4.07714844e-02, -1.00585938e-01,
         3.00781250e-01,  3.26171875e-01, -8.44726562e-02,  6.25000000e-02,
        -9.39941406e-03,  2.94921875e-01,  2.18750000e-01,  4.06250000e-01,
         1.29882812e-01, -1.81640625e-01,  5.02929688e-02,  2.13623047e-02,
         1.26953125e-01,  6.98242188e-02, -2.24609375e-02,  2.35351562e-01,
        -3.84765625e-01,  1.02539062e-01, -1.68945312e-01, -2.00195312e-01,
        -4.32128906e-02,  1.83105469e-02, -1.91650391e-02,  3.73535156e-02,
        -8.44726562e-02, -2.69531250e-01,  9.81445312e-02,  8.54492188e-02,
        -3.22265625e-02,  6.39648438e-02, -3.03649902e-03, -2.33398438e-01,
        -8.15429688e-02,  1.87500000e-01, -2.48046875e-01,  8.69140625e-02,
        -1.30615234e-02,  3.46679688e-02, -1.14257812e-01, -1.56402588e-03,
        -3.32031250e-01, -4.80957031e-02,  1.25976562e-01, -1.79687500e-01,
         5.46875000e-02,  5.24902344e-03,  6.12792969e-02, -3.14453125e-01,
         1.25976562e-01, -1.85546875e-01,  3.95507812e-02, -3.47656250e-01,
         9.66796875e-02, -3.12500000e-01, -1.53320312e-01, -2.69531250e-01,
        -5.35156250e-01, -2.27539062e-01,  2.91748047e-02, -1.51367188e-01,
         2.53906250e-01,  1.28906250e-01,  9.88769531e-03, -2.18750000e-01,
         2.11914062e-01,  1.92382812e-01, -5.29785156e-02, -5.93261719e-02,
        -2.33398438e-01,  7.42187500e-02,  3.93676758e-03, -8.49609375e-02,
         3.00781250e-01, -2.30468750e-01, -6.40869141e-03, -2.00195312e-01,
         2.08007812e-01,  1.55273438e-01,  8.00781250e-02,  1.49414062e-01,
        -4.23828125e-01,  7.51953125e-02, -3.46679688e-02, -1.78710938e-01,
         1.48437500e-01, -4.05273438e-02,  8.78906250e-02,  1.47460938e-01,
        -3.71093750e-02,  1.71875000e-01,  1.88476562e-01,  1.94335938e-01,
         2.47070312e-01,  1.57226562e-01, -1.01562500e-01, -2.94921875e-01,
```

```
        -2.55126953e-02, -4.78515625e-02, -6.54296875e-02,  3.75000000e-01,
         1.82617188e-01, -3.80859375e-01, -1.24023438e-01,  5.95703125e-02,
        -6.73828125e-02, -3.90625000e-01, -2.83203125e-01,  1.07421875e-01,
         3.01513672e-02, -9.42382812e-02,  4.07714844e-02,  4.54101562e-02,
         2.20703125e-01,  1.03027344e-01,  2.25585938e-01,  7.17773438e-02,
        -7.22656250e-02, -2.24609375e-01,  1.80664062e-02,  1.96533203e-02,
        -1.21459961e-02, -3.26171875e-01, -4.66308594e-02, -2.38281250e-01,
        -3.05175781e-02, -3.61328125e-01, -1.41601562e-01,  4.80957031e-02,
        -2.33398438e-01, -2.18750000e-01, -8.15429688e-02,  2.60009766e-02,
        -3.06640625e-01, -5.12695312e-02, -6.07910156e-02,  2.24609375e-01,
         9.17968750e-02, -6.03027344e-02, -1.06445312e-01,  3.22265625e-02,
         3.08593750e-01, -2.15820312e-01,  1.40625000e-01,  7.27539062e-02,
        -1.83593750e-01, -3.73535156e-02, -5.68847656e-02, -1.63085938e-01,
         6.78710938e-02,  4.06250000e-01, -4.90234375e-01, -2.89062500e-01,
        -3.78906250e-01, -2.45117188e-01, -1.85546875e-01, -1.89208984e-02,
        -2.11914062e-01,  7.11059570e-03,  1.19628906e-01,  2.28515625e-01,
        -3.45703125e-01, -2.36816406e-02, -1.64794922e-03, -3.22265625e-01,
        -1.17187500e-01,  1.01562500e-01,  2.06298828e-02,  2.50244141e-02,
        -1.89208984e-02, -3.49121094e-02,  7.47070312e-02,  1.70898438e-01,
        -5.22460938e-02, -3.36914062e-02, -1.54296875e-01,  1.46484375e-0
1],
       dtype=float32),
 'minimum': array([-0.17675781, -0.296875  ,  0.03051758,  0.14355469, -0.0
177002 ,
        -0.06640625,  0.11962891,  0.08007812, -0.04101562, -0.17773438,
        -0.15625   , -0.26757812, -0.07714844,  0.00279236, -0.12109375,
         0.13476562,  0.03955078, -0.24023438, -0.06494141, -0.0035553 ,
        -0.03857422, -0.18164062, -0.30664062,  0.06054688, -0.02746582,
        -0.15429688, -0.3046875 ,  0.10351562,  0.10693359,  0.07128906,
        -0.13085938, -0.25585938,  0.11132812, -0.12890625, -0.26757812,
        -0.18652344, -0.14355469, -0.05810547, -0.015625  ,  0.20800781,
         0.10449219, -0.140625  , -0.02636719, -0.25585938, -0.18066406,
        -0.10595703,  0.12011719,  0.00098419, -0.05615234, -0.30664062,
         0.00476074,  0.08691406, -0.13574219, -0.03735352, -0.1640625 ,
        -0.0625    , -0.046875  , -0.16796875, -0.10351562, -0.30859375,
        -0.11181641, -0.05786133, -0.09716797, -0.03393555,  0.20800781,
         0.08691406, -0.01000977,  0.10742188,  0.03637695,  0.10742188,
        -0.01220703,  0.07519531,  0.09960938,  0.15136719, -0.4375    ,
        -0.09912109,  0.05566406,  0.12988281,  0.0625    , -0.11474609,
         0.109375  , -0.22949219, -0.39257812,  0.125     , -0.10205078,
        -0.02331543,  0.06494141,  0.24707031,  0.25195312,  0.24414062,
         0.24804688,  0.02954102, -0.08935547, -0.20800781, -0.01318359,
        -0.15722656,  0.13964844, -0.10351562, -0.23046875,  0.01159668,
        -0.06347656,  0.03295898, -0.31054688, -0.25976562, -0.01470947,
        -0.04589844,  0.09570312, -0.10107422,  0.00598145, -0.08056641,
         0.07617188, -0.29492188, -0.38671875,  0.12792969,  0.10498047,
         0.1875    ,  0.13378906,  0.04223633, -0.0378418 , -0.02209473,
         0.01263428,  0.17871094,  0.12890625,  0.14453125,  0.09277344,
         0.06542969,  0.16113281,  0.02294922,  0.16992188, -0.02075195,
         0.08056641, -0.02392578, -0.16992188, -0.16015625, -0.12597656,
        -0.00271606, -0.12988281, -0.13574219,  0.02807617,  0.10986328,
        -0.12695312, -0.08203125,  0.01379395,  0.11816406,  0.09228516,
        -0.12597656, -0.08447266, -0.00086975,  0.08154297, -0.11181641,
        -0.0390625 ,  0.0255127 , -0.03686523, -0.08837891, -0.04467773,
         0.05126953,  0.03808594,  0.09667969, -0.12890625, -0.03881836,
         0.06396484,  0.09130859,  0.26367188, -0.06494141, -0.04541016,
         0.10253906, -0.16113281,  0.00282288,  0.03369141, -0.15332031,
        -0.15527344, -0.36523438, -0.17675781,  0.07861328,  0.16503906,
        -0.21582031,  0.03222656, -0.15136719, -0.07666016,  0.078125  ,
        -0.22753906,  0.0625    ,  0.19921875,  0.3828125 ,  0.06494141,
        -0.00182343,  0.16796875, -0.16210938,  0.06835938, -0.04077148,
        -0.34765625,  0.00741577, -0.21875   , -0.28320312, -0.16210938,
         0.07226562,  0.08251953,  0.14746094, -0.41992188, -0.25585938,
         0.19335938,  0.36132812,  0.11962891,  0.03808594,  0.05371094,
```

```
         0.03491211, -0.3125    ,  0.0378418 ,  0.16796875,  0.0055542 ,
         0.00793457,  0.05273438,  0.22265625,  0.03100586, -0.19238281,
         0.28125   ,  0.07910156,  0.08886719, -0.08691406, -0.01367188,
         0.11328125,  0.21972656,  0.10205078, -0.10546875,  0.20800781,
         0.09130859,  0.10546875,  0.18457031,  0.14941406,  0.04321289,
        -0.27734375, -0.36523438,  0.21289062,  0.04638672, -0.171875  ,
        -0.06176758,  0.09667969,  0.140625  , -0.06982422,  0.02612305,
        -0.15820312,  0.10546875,  0.10498047, -0.19824219, -0.02575684,
        -0.01977539, -0.13769531,  0.18359375, -0.12060547, -0.06103516,
        -0.00509644,  0.26953125, -0.23339844,  0.07568359,  0.05566406,
         0.19628906,  0.06542969,  0.08203125, -0.08105469,  0.17089844,
         0.25195312, -0.28125   , -0.15820312,  0.01165771,  0.00297546,
         0.03100586, -0.01940918, -0.09912109, -0.03088379, -0.18847656,
        -0.07080078,  0.13476562,  0.09814453, -0.05126953, -0.00178528,
        -0.09716797, -0.23339844, -0.18554688, -0.15722656,  0.140625  ,
         0.02099609,  0.10400391,  0.06396484,  0.08300781, -0.03076172,
         0.08007812, -0.05883789,  0.10253906, -0.09130859,  0.20996094,
        -0.10400391, -0.05786133, -0.25      , -0.05810547, -0.0456543 ,
         0.25195312, -0.109375  , -0.12988281, -0.12207031, -0.12792969],
       dtype=float32),
 'credit': array([-1.50146484e-02,  1.93359375e-01,  1.48315430e-02,  7.373
04688e-02,
         2.49023438e-01, -2.61230469e-02,  3.75976562e-02, -9.81445312e-02,
         1.99218750e-01, -2.37304688e-01, -2.69531250e-01, -1.73828125e-01,
        -9.37500000e-02,  2.13867188e-01, -1.88476562e-01,  7.37304688e-02,
         3.57421875e-01,  1.43554688e-01,  7.65991211e-03, -8.05664062e-02,
         7.37304688e-02,  8.59375000e-02,  1.15722656e-01, -2.01171875e-01,
         2.03125000e-01, -2.02148438e-01,  8.64257812e-02, -2.75390625e-01,
         2.61718750e-01,  1.91406250e-01, -1.58203125e-01,  6.54296875e-02,
         3.14453125e-01,  1.02539062e-01,  2.21679688e-01,  1.53320312e-01,
        -1.79687500e-01,  1.16729736e-03,  1.01562500e-01,  7.66601562e-02,
        -1.02539062e-01, -1.61132812e-01, -3.49121094e-02, -1.25000000e-01,
         1.86767578e-02, -1.89208984e-02,  6.00585938e-02,  1.59179688e-01,
        -1.21093750e-01,  1.45507812e-01,  2.40234375e-01, -1.78710938e-01,
        -2.50000000e-01,  1.40625000e-01,  1.47460938e-01,  3.83300781e-02,
        -2.22656250e-01,  2.83203125e-01, -2.98828125e-01, -2.27539062e-01,
        -1.09863281e-01,  1.53320312e-01, -1.96289062e-01, -1.17675781e-01,
         3.24707031e-02, -4.07714844e-02, -1.48925781e-02, -1.51367188e-01,
         2.86865234e-02,  1.43554688e-01,  1.02050781e-01, -1.77734375e-01,
         2.21679688e-01, -2.73437500e-01, -9.03320312e-02,  2.19345093e-04,
         6.78710938e-02,  3.63281250e-01, -6.73828125e-02,  8.34960938e-02,
        -1.37695312e-01,  2.57812500e-01,  5.88378906e-02,  8.54492188e-02,
         8.74023438e-02,  1.82617188e-01, -6.93359375e-02,  1.22070312e-01,
        -1.25976562e-01, -2.57812500e-01,  5.22460938e-02,  2.08007812e-01,
         2.24609375e-02, -2.08984375e-01, -2.78320312e-02, -2.38281250e-01,
        -1.31835938e-01,  2.59765625e-01,  1.47460938e-01,  1.21459961e-02,
         8.93554688e-02,  1.42822266e-02,  5.15136719e-02,  4.61425781e-02,
         1.90429688e-01, -3.24218750e-01, -2.53906250e-01,  1.37695312e-01,
         1.78222656e-02, -5.76171875e-02,  3.93676758e-03,  3.02734375e-02,
        -2.89062500e-01, -1.97265625e-01, -1.04980469e-01,  2.08984375e-01,
        -7.12890625e-02,  1.72851562e-01,  2.85156250e-01,  2.53906250e-02,
        -9.61914062e-02, -1.02539062e-02,  9.76562500e-02, -2.06298828e-02,
         2.40234375e-01, -2.09960938e-01, -2.08007812e-01,  1.80664062e-01,
        -1.14257812e-01,  1.35742188e-01, -8.10546875e-02,  6.65283203e-03,
        -6.83593750e-02, -1.31835938e-01,  1.70898438e-01, -8.10546875e-02,
        -1.90429688e-01, -5.27343750e-02, -1.68945312e-01,  7.38525391e-03,
        -5.22460938e-02, -4.27734375e-01,  9.76562500e-02, -2.07031250e-01,
        -1.51367188e-01, -7.56835938e-02, -5.44433594e-02,  3.22265625e-01,
        -7.86132812e-02, -1.39770508e-02, -8.00781250e-02, -6.05468750e-02,
         1.33789062e-01, -2.09960938e-02,  1.25976562e-01, -5.73730469e-02,
         4.73632812e-02, -1.11328125e-01, -1.03027344e-01,  9.32617188e-02,
         1.96289062e-01,  1.80664062e-01,  8.49609375e-02, -8.74023438e-02,
        -6.73828125e-02,  7.71484375e-02,  1.64062500e-01, -1.39648438e-01,
        -2.69531250e-01,  1.91406250e-01, -1.23535156e-01, -1.75781250e-01,
```

```
         2.91015625e-01, -1.53320312e-01, -4.83398438e-02, -3.24707031e-02,
        -1.91406250e-01,  3.12500000e-02, -2.03125000e-01, -7.08007812e-02,
        -1.00097656e-01, -3.49609375e-01,  1.83593750e-01,  5.63964844e-02,
         9.96093750e-02, -2.79296875e-01, -7.56835938e-02,  8.83789062e-02,
         1.72851562e-01,  3.51562500e-01, -2.12890625e-01, -3.93066406e-02,
        -4.04296875e-01, -8.72802734e-03, -1.32812500e-01,  3.02734375e-01,
        -1.08398438e-01, -1.75781250e-02,  9.08203125e-02, -2.77343750e-01,
        -1.90429688e-01,  2.69531250e-01, -3.90625000e-02, -7.71484375e-02,
         1.04003906e-01, -3.75976562e-02, -3.02734375e-01,  5.88378906e-02,
         3.88183594e-02, -1.22558594e-01,  1.40380859e-02,  3.34472656e-02,
         1.71875000e-01,  1.29394531e-02,  1.93359375e-01,  7.56835938e-03,
         1.51367188e-01,  2.27539062e-01, -2.28515625e-01, -2.79296875e-01,
         3.22265625e-02, -1.66015625e-01, -1.63085938e-01, -3.59375000e-01,
         1.31835938e-01,  6.98242188e-02, -9.32617188e-02,  6.15234375e-02,
        -4.05883789e-03,  1.40625000e-01, -1.46484375e-01,  5.00488281e-02,
         5.22460938e-02, -4.15039062e-02, -6.49414062e-02, -1.56250000e-01,
         1.48437500e-01, -3.12500000e-01,  2.65625000e-01,  5.17578125e-02,
         2.33398438e-01,  1.50390625e-01,  2.85644531e-02,  1.11328125e-01,
        -9.57031250e-02, -1.14746094e-01,  1.22558594e-01, -1.21093750e-01,
        -7.22656250e-02, -2.83203125e-01, -9.21630859e-03,  8.05664062e-02,
        -8.10546875e-02, -1.00097656e-01, -2.26562500e-01,  1.59179688e-01,
         8.15429688e-02,  2.37304688e-01,  4.63867188e-02, -2.27539062e-01,
        -2.30468750e-01,  1.62109375e-01, -4.04296875e-01,  5.90820312e-02,
        -1.14135742e-02,  1.08886719e-01, -1.08398438e-01,  6.25000000e-02,
        -2.48046875e-01, -2.19726562e-01, -2.03125000e-01,  2.06054688e-01,
        -8.83789062e-02,  1.01562500e-01,  6.78710938e-02,  8.74023438e-02,
        -1.42822266e-02, -2.53906250e-01,  7.22656250e-02,  1.07421875e-01,
        -6.25000000e-02,  2.35595703e-02,  9.13085938e-02,  1.51977539e-02,
        -2.45117188e-01,  1.54296875e-01,  9.21630859e-03,  1.03027344e-01,
         7.61718750e-02,  5.71289062e-02, -2.53906250e-01,  4.64843750e-01,
        -2.65625000e-01, -2.45117188e-01,  6.07910156e-02,  1.23046875e-01,
        -1.48437500e-01,  4.19921875e-01, -1.50390625e-01, -9.96093750e-0
2],
       dtype=float32),
 '2': array([ 1.06933594e-01, -1.05468750e-01,  5.32226562e-02,  6.98242188
e-02,
        -7.32421875e-02,  2.51770020e-04,  1.03515625e-01, -8.34960938e-02,
         8.05664062e-02,  1.14746094e-01, -7.61718750e-02,  1.25122070e-02,
         9.47265625e-02, -1.03515625e-01, -8.83789062e-02, -1.56250000e-02,
         6.68945312e-02,  1.77001953e-02, -3.29589844e-02, -3.99780273e-03,
        -1.43554688e-01, -1.88476562e-01,  4.37011719e-02, -3.12500000e-02,
         2.69775391e-02,  3.66210938e-02, -1.58203125e-01, -1.22680664e-02,
         4.98046875e-02,  2.86865234e-02, -2.08984375e-01, -1.48437500e-01,
        -8.88671875e-02, -4.17968750e-01, -3.10546875e-01,  5.34667969e-02,
        -1.07910156e-01,  2.13867188e-01, -1.15356445e-02,  1.30859375e-01,
         1.00097656e-01, -1.62109375e-01, -2.12402344e-02,  1.25976562e-01,
         4.39453125e-03,  1.03515625e-01,  1.13281250e-01, -7.61718750e-02,
        -3.61328125e-02,  1.12915039e-02, -2.22656250e-01,  1.66992188e-01,
         1.25976562e-01, -8.20312500e-02, -1.31835938e-01,  2.88085938e-02,
        -1.56250000e-01, -1.17675781e-01, -9.81445312e-02, -2.09960938e-02,
        -1.88476562e-01,  3.05175781e-02, -6.78710938e-02, -1.93359375e-01,
        -7.08007812e-02, -5.64575195e-03, -8.93554688e-02,  9.91210938e-02,
         2.61718750e-01,  9.08203125e-02, -1.89208984e-02, -4.91333008e-03,
         2.67333984e-02, -5.41992188e-02,  1.23046875e-01,  6.88476562e-02,
         1.19018555e-02, -1.42578125e-01,  4.49218750e-02, -2.19726562e-02,
        -1.43554688e-01, -8.64257812e-02,  1.02539062e-01,  6.88476562e-02,
        -5.56640625e-02,  2.19726562e-02, -1.23046875e-01,  1.87500000e-01,
         8.39843750e-02,  1.78222656e-02, -1.04980469e-01,  1.77734375e-01,
         7.32421875e-02, -2.62451172e-02,  3.58886719e-02,  1.43432617e-02,
        -7.61718750e-02,  5.88378906e-02,  5.81054688e-02,  2.43164062e-01,
         8.20312500e-02, -4.58984375e-02,  3.14941406e-02, -1.43554688e-01,
        -5.24902344e-02, -7.91015625e-02,  2.36816406e-02, -2.34375000e-01,
        -5.39550781e-02, -1.35742188e-01, -5.68847656e-02, -8.54492188e-02,
        -1.01074219e-01, -1.94335938e-01, -1.67236328e-02,  8.00781250e-02,
```

```
         1.78710938e-01,  4.27246094e-02,  2.05078125e-02,  9.13085938e-02,
        -1.85546875e-02,  4.46777344e-02,  1.04003906e-01, -8.10546875e-02,
         2.39257812e-01, -8.49609375e-02,  1.36718750e-01,  1.77734375e-01,
         6.49414062e-02,  1.40625000e-01,  1.15234375e-01,  6.98242188e-02,
        -1.58691406e-02, -3.58886719e-02, -1.92382812e-01, -1.26953125e-02,
        -3.34472656e-02,  3.66210938e-04,  3.95507812e-02,  2.63671875e-01,
         6.68945312e-02,  1.92382812e-01,  2.08984375e-01, -1.70898438e-02,
        -8.64257812e-02, -8.34960938e-02,  1.61132812e-01,  1.63085938e-01,
        -8.30078125e-02, -1.54296875e-01,  2.02148438e-01, -9.22851562e-02,
        -1.28906250e-01,  8.05664062e-02, -1.80664062e-01,  1.23535156e-01,
         2.75878906e-02,  1.34765625e-01, -9.27734375e-02,  1.29882812e-01,
        -2.52685547e-02, -5.10253906e-02,  2.45117188e-01,  1.02050781e-01,
        -5.61523438e-02,  1.23535156e-01,  1.55273438e-01,  2.37304688e-01,
        -3.08837891e-02,  1.26342773e-02, -6.68945312e-02, -1.40625000e-01,
        -2.20947266e-02, -1.03515625e-01, -1.29882812e-01, -5.44433594e-02,
         4.12597656e-02, -1.69921875e-01, -9.27734375e-03,  3.73535156e-02,
        -1.00097656e-01, -1.00585938e-01, -2.41699219e-02,  3.69140625e-01,
         3.19824219e-02, -7.71484375e-02,  1.44531250e-01,  7.71484375e-02,
         2.71484375e-01, -2.06054688e-01,  9.22851562e-02, -1.86523438e-01,
         1.60156250e-01, -2.92968750e-01, -3.73535156e-02,  9.52148438e-02,
        -4.80957031e-02,  1.91406250e-01, -5.78613281e-02, -2.73437500e-01,
        -2.92968750e-01,  4.27246094e-02,  3.39355469e-02, -3.46679688e-02,
         9.33837891e-03, -3.36914062e-02, -9.42382812e-02,  9.57031250e-02,
        -7.08007812e-02, -3.97949219e-02,  1.03515625e-01,  6.10351562e-02,
         7.32421875e-02, -4.63867188e-02, -1.66992188e-01,  1.39648438e-01,
         1.06445312e-01, -1.24023438e-01,  2.07519531e-02, -1.46484375e-01,
        -1.02050781e-01, -2.86865234e-02,  7.17773438e-02,  5.20019531e-02,
         2.05078125e-02, -5.81054688e-02, -3.30078125e-01,  8.00781250e-02,
        -3.93066406e-02, -1.08886719e-01,  1.74560547e-02,  1.40380859e-02,
         1.17797852e-02,  1.11328125e-01, -1.38671875e-01,  2.90527344e-02,
         1.20849609e-02, -2.38281250e-01, -1.68457031e-02, -8.78906250e-02,
        -2.08984375e-01,  2.81250000e-01,  1.99218750e-01, -1.50390625e-01,
         2.42919922e-02, -8.25195312e-02,  8.30078125e-02, -2.05078125e-02,
         1.83593750e-01, -1.46484375e-01,  5.32226562e-02,  1.20605469e-01,
        -2.10937500e-01, -3.70788574e-03,  1.06933594e-01,  4.93164062e-02,
         1.53808594e-02, -2.42187500e-01,  5.22460938e-02, -1.11328125e-01,
         3.68652344e-02, -6.49414062e-02, -6.88476562e-02,  2.46582031e-02,
         4.07714844e-02,  5.07812500e-02,  5.66406250e-02,  4.68750000e-02,
        -1.46484375e-01,  4.17480469e-02,  1.12792969e-01, -1.32446289e-02,
         7.76367188e-02, -1.81640625e-01,  8.64257812e-02,  6.59179688e-03,
        -2.33398438e-01, -1.78222656e-02,  1.47460938e-01,  1.05957031e-01,
         1.19628906e-01,  1.06445312e-01, -4.46777344e-02,  7.66601562e-02,
         1.99218750e-01, -1.36718750e-01,  1.61132812e-02,  1.17187500e-01,
        -4.80957031e-02,  7.22656250e-02, -1.06201172e-02, -2.88085938e-02,
        -1.61132812e-01,  1.33789062e-01, -4.32128906e-02,  4.41894531e-02,
        -2.13867188e-01, -1.47460938e-01, -6.25000000e-02,  7.66601562e-0
2],
       dtype=float32),
 'year': array([ 6.17675781e-02,  2.57812500e-01,  3.67736816e-03,  1.45507
812e-01,
        -3.73535156e-02, -1.20117188e-01,  1.88476562e-01, -1.54296875e-01,
         2.13867188e-01,  1.72851562e-01,  5.41992188e-02,  2.18505859e-02,
         5.34057617e-03, -1.02539062e-01, -5.15747070e-03, -3.35693359e-03,
        -4.61425781e-02, -8.34960938e-02, -1.67968750e-01, -2.73437500e-02,
        -9.39941406e-03, -4.48608398e-03, -1.22070312e-01, -2.19726562e-01,
         2.64892578e-02, -4.39453125e-03,  9.71679688e-02,  8.44726562e-02,
         8.15429688e-02,  1.14746094e-01,  6.05468750e-02, -1.51367188e-01,
         7.61718750e-02, -6.53076172e-03,  1.01074219e-01,  8.88671875e-02,
        -2.17773438e-01, -2.17773438e-01, -1.00585938e-01,  9.17968750e-02,
         1.27929688e-01, -4.41894531e-02,  7.47070312e-02,  1.81640625e-01,
        -3.12500000e-02, -1.36718750e-01,  1.81640625e-01,  2.08007812e-01,
        -5.49316406e-04, -3.14941406e-02, -2.42919922e-02, -2.01171875e-01,
        -1.32812500e-01, -1.61132812e-01,  2.82287598e-04,  9.91210938e-02,
         3.14941406e-02,  5.88378906e-02, -3.39355469e-02, -4.98046875e-02,
```

```
        -1.66015625e-01,  7.95898438e-02,  9.03320312e-02, -1.20239258e-02,
         1.00097656e-01,  2.25585938e-01,  1.79687500e-01, -1.52587891e-02,
         2.00195312e-01,  2.66113281e-02,  5.71289062e-02, -1.37939453e-02,
        -1.72119141e-02,  2.04101562e-01,  1.17187500e-01,  4.73632812e-02,
         9.66796875e-02,  1.01074219e-01,  2.29492188e-01,  8.93554688e-02,
         9.96093750e-02, -2.28515625e-01, -7.91015625e-02,  1.99218750e-01,
        -5.51757812e-02, -6.20117188e-02, -1.38671875e-01,  8.11767578e-03,
         1.80664062e-02,  7.08007812e-02,  2.18750000e-01,  1.58203125e-01,
        -2.61718750e-01, -2.45117188e-01, -2.83203125e-01, -1.60156250e-01,
         1.44042969e-02,  1.89453125e-01,  7.71484375e-02, -5.93261719e-02,
         1.36718750e-02, -2.50244141e-02, -1.50390625e-01,  2.68554688e-02,
        -1.82617188e-01, -2.55859375e-01, -1.04003906e-01, -4.41894531e-02,
        -1.40625000e-01, -3.93066406e-02, -3.46679688e-02,  3.97949219e-02,
         1.04492188e-01,  2.72216797e-02,  8.10546875e-02, -4.37011719e-02,
         2.80761719e-02, -6.54296875e-02,  4.98046875e-02,  3.54003906e-02,
        -2.49023438e-02, -2.38037109e-02, -1.04492188e-01, -1.13281250e-01,
         1.93359375e-01, -2.09960938e-02,  2.48046875e-01, -2.78320312e-02,
         6.03027344e-02,  2.39257812e-02, -1.48437500e-01, -1.32812500e-01,
        -6.22558594e-02, -9.86328125e-02, -1.62109375e-01,  4.63867188e-03,
        -4.90722656e-02,  8.88671875e-02, -1.05957031e-01,  1.02539062e-01,
         6.17675781e-02, -6.05468750e-02, -9.94873047e-03,  1.18652344e-01,
        -1.31225586e-02,  1.00585938e-01,  5.66406250e-02, -5.83496094e-02,
        -1.22558594e-01, -1.64062500e-01,  1.58691406e-02,  3.22265625e-02,
         3.43322754e-03,  6.03027344e-02,  8.15429688e-02, -1.47247314e-03,
        -8.05664062e-03, -1.45507812e-01,  4.78515625e-02, -6.59179688e-02,
         1.42578125e-01,  1.97265625e-01,  1.56250000e-01, -9.70458984e-03,
         1.09375000e-01,  4.00390625e-02,  7.12890625e-02, -2.00195312e-01,
         1.09375000e-01, -1.01074219e-01, -2.35595703e-02, -3.36914062e-02,
        -4.00390625e-02, -3.08593750e-01, -3.29589844e-03,  1.19018555e-02,
         1.27929688e-01,  1.06445312e-01, -1.91650391e-02,  9.27734375e-02,
        -1.64062500e-01, -5.07812500e-02,  9.04083252e-04,  3.58886719e-02,
         1.00097656e-01,  2.44140625e-02,  4.78515625e-02,  1.98974609e-02,
         1.93359375e-01, -2.00195312e-01,  1.57226562e-01, -1.17187500e-02,
         1.64794922e-02, -2.77709961e-03, -1.37695312e-01,  1.93359375e-01,
         1.28906250e-01,  1.41601562e-02, -1.55273438e-01,  1.08642578e-02,
        -1.19628906e-01,  3.39355469e-02,  1.84326172e-02,  8.34960938e-02,
         3.36914062e-02, -1.46484375e-01, -4.76074219e-02, -1.98974609e-02,
        -7.08007812e-03,  5.85937500e-03,  1.40625000e-01, -1.19628906e-02,
         3.90625000e-03,  1.94091797e-02, -1.92382812e-01, -4.76074219e-02,
         2.36816406e-02, -1.02539062e-01, -3.00292969e-02,  9.71679688e-02,
        -8.64257812e-02,  9.22851562e-02,  1.86523438e-01, -8.05664062e-03,
         5.15136719e-02, -2.05078125e-01,  4.29687500e-02, -7.66601562e-02,
        -1.27410889e-03, -1.27929688e-01, -2.34375000e-02,  3.22265625e-02,
        -6.49414062e-02,  1.95312500e-01, -2.29492188e-01,  6.25000000e-02,
        -5.10253906e-02, -1.59179688e-01, -7.08007812e-03,  7.42187500e-02,
         4.00390625e-02,  8.20312500e-02,  6.28662109e-03, -1.37695312e-01,
        -2.04101562e-01, -1.35742188e-01,  7.32421875e-02, -3.63769531e-02,
         3.50952148e-03,  7.37304688e-02, -1.08032227e-02, -8.78906250e-02,
        -1.33056641e-02,  1.01562500e-01,  6.78710938e-02,  1.44531250e-01,
         1.01074219e-01,  7.37304688e-02, -9.27734375e-02, -1.81884766e-02,
         1.45507812e-01,  5.05371094e-02, -5.00488281e-02, -1.57470703e-02,
         2.02148438e-01,  1.13281250e-01, -4.32128906e-02,  1.41601562e-01,
        -1.10473633e-02,  1.09375000e-01,  2.28515625e-01, -1.29882812e-01,
         2.08007812e-01,  1.68457031e-02, -2.50244141e-03,  1.54418945e-02,
        -9.42382812e-02, -6.44531250e-02, -7.56835938e-02, -1.99218750e-01,
        -6.98242188e-02,  1.81884766e-02, -1.51367188e-01,  9.08203125e-02,
         1.56250000e-01, -1.57226562e-01, -1.11816406e-01,  6.83593750e-02,
         1.41601562e-01,  8.34960938e-02, -3.17382812e-02,  5.63964844e-02,
        -1.56250000e-01, -1.46484375e-01,  7.87353516e-03, -1.33789062e-01,
        -4.66308594e-02,  1.11816406e-01,  7.27539062e-02, -1.74804688e-0
1],
       dtype=float32),
 'paperwork': array([-1.33789062e-01,  9.27734375e-02, -1.69921875e-01, -2.
14843750e-01,
```

```
 3.05175781e-02, -1.44531250e-01,  2.79296875e-01,  1.30859375e-01,
-1.27929688e-01, -2.37304688e-01,  3.73046875e-01, -4.68750000e-02,
-1.50390625e-01,  1.81640625e-01, -9.27734375e-02,  1.83593750e-01,
 2.01171875e-01,  3.88671875e-01, -2.85156250e-01, -2.89062500e-01,
 7.08007812e-02, -1.85546875e-01,  1.63085938e-01, -8.05664062e-02,
 5.51757812e-02,  1.13769531e-01, -2.49023438e-01, -2.51953125e-01,
-1.11328125e-01, -9.52148438e-02,  1.29882812e-01,  5.00488281e-02,
 1.66015625e-01, -5.31005859e-03, -7.37304688e-02,  4.07714844e-02,
 3.43750000e-01,  1.74804688e-01,  1.66992188e-01, -1.42578125e-01,
-1.50390625e-01, -2.41210938e-01, -8.05664062e-02, -1.45507812e-01,
-2.26562500e-01, -1.57226562e-01, -1.35742188e-01,  4.82421875e-01,
-1.73828125e-01,  2.79296875e-01, -1.61132812e-01, -3.75000000e-01,
-2.31933594e-02, -9.57031250e-02, -1.42578125e-01,  2.63671875e-01,
 7.12890625e-02, -2.35595703e-02, -1.57226562e-01, -1.13281250e-01,
 5.37109375e-03,  7.76367188e-02, -1.53320312e-01,  2.57568359e-02,
-2.23388672e-02,  2.61718750e-01, -1.55273438e-01, -1.46484375e-01,
-3.57421875e-01, -1.77734375e-01,  4.78515625e-01,  8.20312500e-02,
-1.30462646e-03, -2.04101562e-01,  5.34667969e-02,  2.47070312e-01,
 2.26562500e-01,  4.66308594e-02,  3.01513672e-02,  2.42919922e-02,
 5.93261719e-02, -2.59765625e-01, -3.10546875e-01, -1.78710938e-01,
 3.65234375e-01, -2.09960938e-01,  3.17382812e-02,  2.53906250e-01,
 3.02734375e-01,  8.85009766e-03, -1.23046875e-01, -2.11181641e-02,
 8.98437500e-02, -3.43750000e-01,  3.07617188e-02, -1.95312500e-01,
-1.99218750e-01, -5.24902344e-02, -7.66601562e-02,  1.36108398e-02,
-3.63281250e-01,  4.56542969e-02,  7.71484375e-02,  8.05664062e-02,
 8.15429688e-02, -1.00097656e-01, -1.69921875e-01, -4.31640625e-01,
 2.87109375e-01, -9.42382812e-02,  2.43164062e-01,  2.45117188e-01,
 1.09375000e-01,  3.93066406e-02, -2.63671875e-01,  8.34960938e-02,
 5.29785156e-02,  8.34960938e-02,  3.67187500e-01,  1.05957031e-01,
-4.80468750e-01,  1.40625000e-01,  6.98242188e-02,  3.06640625e-01,
 2.87109375e-01,  7.62939453e-03, -1.28906250e-01, -1.17675781e-01,
 2.01171875e-01,  5.51757812e-02, -9.08203125e-02, -1.24023438e-01,
 2.00195312e-02, -1.68945312e-01, -3.36914062e-02, -5.49316406e-02,
-2.67578125e-01, -2.74658203e-02, -1.77734375e-01,  2.17773438e-01,
-1.81640625e-01, -1.27929688e-01,  1.11328125e-01,  6.34765625e-02,
-6.49414062e-02, -9.17968750e-02, -2.40234375e-01,  1.16699219e-01,
-2.32421875e-01,  1.32446289e-02,  6.64062500e-02,  1.91406250e-01,
 3.44238281e-02,  1.75781250e-01,  2.25585938e-01,  1.27929688e-01,
-2.38281250e-01, -1.72851562e-01, -4.58984375e-01,  1.61132812e-01,
-2.31445312e-01, -7.95898438e-02, -9.86328125e-02,  1.60156250e-01,
 5.15136719e-02, -1.36718750e-01,  8.59375000e-02, -6.78710938e-02,
 2.02148438e-01, -2.36816406e-02,  5.32226562e-02, -9.38415527e-04,
-1.06445312e-01,  1.00097656e-01, -5.71289062e-02, -9.13085938e-02,
 1.16699219e-01, -2.97851562e-02,  6.68945312e-02, -9.37500000e-02,
-2.20703125e-01, -4.74609375e-01, -1.70898438e-01,  3.05175781e-02,
 1.94335938e-01,  1.23901367e-02,  1.42578125e-01,  2.41210938e-01,
 5.10253906e-02,  9.96093750e-02, -4.80957031e-02,  9.76562500e-03,
-3.26171875e-01,  2.92968750e-01,  2.16796875e-01,  1.94335938e-01,
-3.32031250e-02, -2.67578125e-01, -3.16406250e-01, -1.00097656e-01,
 2.21679688e-01,  2.65625000e-01, -9.37500000e-02, -2.99072266e-02,
 1.80664062e-01,  7.34329224e-05,  9.91210938e-02,  1.41601562e-01,
 4.74609375e-01,  9.42382812e-02,  1.35742188e-01,  8.49609375e-02,
-6.49414062e-02, -9.27734375e-02, -2.04101562e-01,  1.74804688e-01,
-3.27148438e-02,  3.57421875e-01, -9.76562500e-02, -3.98437500e-01,
-2.33398438e-01, -8.54492188e-02, -1.73828125e-01,  1.24511719e-02,
-1.74804688e-01, -3.78906250e-01, -6.05468750e-02,  1.49414062e-01,
-5.15136719e-02, -2.45117188e-01,  1.43554688e-01,  2.02148438e-01,
 7.95898438e-02, -2.63671875e-01, -3.20312500e-01, -4.07714844e-02,
 2.26562500e-01, -2.97851562e-02,  4.76074219e-02, -4.21875000e-01,
-4.39453125e-02, -1.00585938e-01, -2.08984375e-01, -2.32421875e-01,
-2.08984375e-01, -4.88281250e-02,  3.16406250e-01,  1.04980469e-01,
 2.77343750e-01, -1.28906250e-01,  1.35498047e-02, -1.87988281e-02,
-4.85839844e-02,  2.53906250e-01, -2.19726562e-02, -1.55273438e-01,
 2.03125000e-01,  6.93359375e-02,  4.17480469e-02, -2.56347656e-02,
```

```
         2.81250000e-01, -1.22070312e-01, -3.75000000e-01, -2.10937500e-01,
        -2.35595703e-02, -5.15136719e-02,  1.37695312e-01,  2.13867188e-01,
        -3.22265625e-02,  1.00097656e-01,  2.12890625e-01,  4.78515625e-01,
         3.51562500e-01,  5.73730469e-02, -2.59765625e-01, -1.68945312e-01,
        -1.52343750e-01, -1.38549805e-02,  2.19726562e-01, -2.27539062e-01,
         4.02832031e-02, -2.57812500e-01,  6.10351562e-02,  3.16406250e-01,
         8.15429688e-02,  2.07031250e-01,  2.75390625e-01,  2.96875000e-01,
         1.74804688e-01,  1.20117188e-01, -1.14746094e-02, -7.17773438e-02,
        -2.59765625e-01, -1.21582031e-01, -5.07812500e-02,  4.17968750e-01,
        -3.00292969e-02, -1.92382812e-01,  7.86132812e-02,  5.66406250e-0
2],
       dtype=float32),
 'personal': array([ 0.1875    ,  0.01574707, -0.05859375,  0.08349609, -0.
06347656,
         0.12255859,  0.12792969,  0.00241089,  0.26367188, -0.10839844,
        -0.07080078, -0.05981445,  0.19140625,  0.1015625 , -0.20117188,
         0.08837891,  0.37695312,  0.25390625, -0.12695312,  0.05688477,
        -0.09863281, -0.03271484, -0.00376892,  0.04833984, -0.16308594,
        -0.12597656, -0.03735352,  0.15332031,  0.09033203,  0.03088379,
         0.0222168 , -0.06933594, -0.00473022,  0.0111084 , -0.18554688,
        -0.24707031, -0.02429199, -0.06396484,  0.09570312, -0.1328125 ,
         0.11914062,  0.1015625 ,  0.12158203,  0.14941406,  0.05908203,
         0.05712891,  0.20019531,  0.18652344,  0.04956055, -0.06176758,
         0.05273438,  0.10351562,  0.03344727,  0.09472656, -0.02856445,
         0.40820312, -0.3046875 ,  0.00267029, -0.03979492, -0.03710938,
         0.03173828,  0.04467773,  0.203125  ,  0.1328125 ,  0.18359375,
         0.08251953, -0.1796875 ,  0.05029297,  0.02685547, -0.03491211,
        -0.10351562, -0.15039062,  0.20214844, -0.09863281, -0.18066406,
         0.06445312, -0.01904297,  0.05224609, -0.09912109,  0.10498047,
        -0.09082031, -0.01672363,  0.21679688,  0.00952148,  0.2578125 ,
        -0.26367188, -0.15039062,  0.16113281, -0.14941406,  0.12792969,
         0.15234375, -0.15234375, -0.08105469, -0.23339844,  0.18847656,
        -0.453125  ,  0.02648926,  0.14941406,  0.09765625,  0.01611328,
         0.01428223,  0.0402832 ,  0.07128906, -0.14257812,  0.01239014,
         0.01818848,  0.15429688,  0.1171875 ,  0.24609375, -0.11376953,
        -0.12451172,  0.02026367, -0.10253906, -0.06689453,  0.09179688,
         0.07910156,  0.03833008, -0.06396484,  0.04516602,  0.3359375 ,
        -0.20410156,  0.07861328,  0.03515625,  0.10693359, -0.12158203,
        -0.06103516,  0.07128906, -0.00049591,  0.09619141,  0.11914062,
        -0.30664062, -0.18554688, -0.30664062,  0.04736328,  0.21386719,
        -0.2734375 , -0.13378906,  0.04248047, -0.10839844, -0.19628906,
        -0.2734375 ,  0.02783203, -0.12255859, -0.04980469,  0.03088379,
        -0.20800781, -0.08642578,  0.15722656, -0.07421875,  0.05883789,
         0.17871094,  0.15136719, -0.01513672, -0.08398438, -0.20703125,
         0.07128906, -0.00830078, -0.1328125 ,  0.078125  , -0.08935547,
        -0.08007812,  0.00604248, -0.05688477,  0.29492188, -0.01361084,
        -0.06054688, -0.13378906, -0.03759766, -0.20507812,  0.02050781,
        -0.16308594, -0.03112793, -0.00830078, -0.26171875, -0.02429199,
         0.00579834,  0.0246582 ,  0.06396484, -0.2421875 , -0.06396484,
         0.00787354, -0.00772095, -0.13378906, -0.13085938, -0.17578125,
        -0.19921875, -0.24902344,  0.09570312,  0.08251953,  0.10546875,
         0.07763672,  0.0378418 , -0.046875  ,  0.08740234,  0.05297852,
         0.08300781, -0.12255859, -0.0222168 , -0.18652344, -0.06396484,
        -0.15625   ,  0.15039062, -0.02624512,  0.19824219,  0.08300781,
         0.03271484, -0.1875    ,  0.01757812, -0.14746094, -0.2265625 ,
        -0.12988281, -0.02294922,  0.05932617,  0.04150391,  0.16503906,
        -0.01647949, -0.1015625 ,  0.24707031, -0.2734375 ,  0.02111816,
         0.01855469,  0.07177734,  0.03735352, -0.30664062, -0.02331543,
        -0.10302734, -0.04248047,  0.03173828, -0.07519531, -0.2109375 ,
         0.05566406,  0.17675781, -0.06298828, -0.13378906,  0.07324219,
         0.01708984,  0.01184082,  0.09082031, -0.21777344, -0.22851562,
         0.34570312, -0.1015625 ,  0.13964844, -0.16992188,  0.03295898,
         0.24609375, -0.17578125,  0.12695312,  0.0378418 , -0.140625  ,
        -0.19238281,  0.14453125, -0.03173828, -0.00315857,  0.00921631,
```

```
        -0.04785156,  0.11962891,  0.04858398,  0.13769531,  0.15722656,
        -0.02368164,  0.12792969, -0.11816406,  0.05151367, -0.00250244,
         0.13574219, -0.20410156,  0.17480469, -0.08105469,  0.11083984,
         0.06103516, -0.09619141,  0.09179688, -0.05761719,  0.07666016,
        -0.02502441,  0.09716797, -0.25      ,  0.01525879,  0.06396484,
         0.08447266, -0.13574219,  0.12597656, -0.05029297, -0.08496094,
         0.25390625, -0.24609375,  0.14257812,  0.02661133, -0.02160645,
        -0.11523438,  0.1328125 , -0.11279297, -0.18359375, -0.25      ,
        -0.23730469,  0.21972656, -0.08154297, -0.17089844, -0.15429688],
       dtype=float32),
 'feedback': array([-0.22949219, -0.02526855, -0.15917969, -0.17578125, -0.
31835938,
         0.07763672, -0.11328125, -0.23046875,  0.04858398,  0.296875  ,
        -0.15625   ,  0.14453125,  0.34570312,  0.22167969,  0.171875  ,
         0.17089844,  0.26367188,  0.31835938, -0.08837891, -0.16015625,
         0.22753906,  0.36132812,  0.01782227, -0.01062012, -0.1875    ,
        -0.04077148,  0.0324707 ,  0.0456543 ,  0.29882812, -0.38476562,
        -0.08886719, -0.08886719, -0.15136719, -0.32421875,  0.10986328,
        -0.2578125 ,  0.09912109,  0.09228516,  0.0234375 , -0.33789062,
        -0.22265625, -0.09960938, -0.19921875,  0.43554688, -0.10644531,
        -0.13671875, -0.17382812, -0.25390625, -0.15429688,  0.01373291,
         0.12695312, -0.04980469, -0.14257812,  0.1875    , -0.03808594,
         0.03466797, -0.14355469, -0.21386719,  0.19726562, -0.00915527,
        -0.2109375 , -0.203125  , -0.02441406, -0.17285156,  0.08203125,
         0.07568359, -0.29882812, -0.05566406, -0.15625   ,  0.546875  ,
        -0.07910156, -0.1953125 ,  0.14746094, -0.09570312, -0.03271484,
        -0.13769531,  0.00738525, -0.00970459,  0.20605469,  0.3046875 ,
         0.23632812, -0.05493164,  0.39257812,  0.20800781,  0.22558594,
        -0.19238281, -0.3359375 ,  0.11328125,  0.12011719,  0.11230469,
         0.16210938, -0.15234375, -0.15820312, -0.03515625,  0.03466797,
        -0.08105469, -0.40820312, -0.06103516,  0.01708984, -0.05175781,
         0.03759766, -0.22070312,  0.02648926,  0.02880859,  0.08251953,
        -0.09033203, -0.24511719,  0.01965332,  0.10205078, -0.46484375,
        -0.09179688, -0.01843262,  0.11523438, -0.00933838,  0.28320312,
        -0.1875    , -0.21972656, -0.0324707 ,  0.29101562, -0.30664062,
        -0.39648438,  0.26757812, -0.40820312,  0.16894531,  0.41015625,
         0.19433594, -0.24414062, -0.203125  , -0.05322266,  0.11816406,
        -0.5078125 , -0.06201172, -0.20898438, -0.04541016,  0.265625  ,
        -0.04174805, -0.02746582, -0.2578125 ,  0.06152344,  0.2890625 ,
         0.10058594,  0.29296875, -0.23828125, -0.27929688, -0.15234375,
        -0.06542969,  0.04711914, -0.21484375,  0.08007812, -0.18261719,
         0.08984375,  0.22363281, -0.28320312,  0.47460938,  0.23535156,
        -0.42578125, -0.015625  , -0.20507812, -0.140625  ,  0.02331543,
        -0.09277344,  0.26367188, -0.18359375,  0.20605469, -0.15820312,
         0.06787109,  0.2109375 ,  0.01611328,  0.09423828, -0.05908203,
        -0.12695312,  0.171875  ,  0.0480957 , -0.1484375 ,  0.13769531,
         0.03979492, -0.03222656, -0.35742188, -0.19335938, -0.04589844,
         0.06030273,  0.20117188,  0.48242188,  0.25390625,  0.22558594,
        -0.15429688, -0.32226562,  0.06884766,  0.17773438, -0.13085938,
        -0.38085938,  0.11132812,  0.05810547, -0.41015625,  0.24804688,
        -0.3359375 ,  0.46679688, -0.1640625 , -0.09179688,  0.08251953,
         0.11865234,  0.34375   , -0.11230469, -0.06738281, -0.22460938,
        -0.0267334 , -0.14648438, -0.14941406, -0.078125  ,  0.25195312,
         0.43164062,  0.14941406,  0.08349609, -0.09765625, -0.11621094,
        -0.25585938,  0.19140625,  0.41601562,  0.19433594, -0.06152344,
        -0.15820312,  0.09277344, -0.453125  , -0.2578125 , -0.14648438,
        -0.0402832 , -0.31835938, -0.12353516, -0.05981445, -0.09423828,
        -0.15332031, -0.1328125 ,  0.09375   , -0.29882812,  0.1875    ,
        -0.25585938,  0.15722656, -0.35742188,  0.34179688,  0.17480469,
         0.06005859, -0.09277344,  0.02709961, -0.046875  ,  0.02404785,
        -0.0559082 , -0.09912109,  0.15820312,  0.16308594, -0.01538086,
         0.2109375 ,  0.13867188, -0.05810547, -0.14941406, -0.36132812,
        -0.02026367,  0.21191406,  0.00257874, -0.38085938, -0.17480469,
         0.00354004,  0.11376953, -0.48632812,  0.19140625, -0.15527344,
```

```
        -0.1796875 , -0.20605469, -0.07861328, -0.21679688, -0.16699219,
         0.03442383,  0.22070312,  0.22265625,  0.08251953, -0.26367188,
         0.06494141, -0.25390625,  0.17871094,  0.2265625 ,  0.0456543 ,
         0.07080078, -0.02612305,  0.18164062,  0.25195312, -0.06591797,
         0.0480957 , -0.08007812,  0.05151367,  0.2265625 ,  0.09570312,
        -0.30273438,  0.42578125,  0.14941406, -0.14648438,  0.16015625,
         0.16210938,  0.25390625,  0.08837891, -0.140625  , -0.02600098],
       dtype=float32),
 'government': array([-1.68945312e-01, -1.04492188e-01, -3.41796875e-02,
1.67968750e-01,
         2.00195312e-02, -3.20312500e-01, -5.54199219e-02,  9.61914062e-02,
         2.13867188e-01, -1.27929688e-01, -1.61132812e-02, -8.20312500e-02,
        -9.86328125e-02,  2.03857422e-02, -3.98437500e-01,  1.87500000e-01,
        -2.61230469e-02, -1.54418945e-02, -1.13769531e-01, -9.96093750e-02,
         1.62353516e-02,  1.21582031e-01,  1.90429688e-01,  8.30078125e-02,
         1.84570312e-01, -3.73535156e-02,  7.37304688e-02,  2.34985352e-03,
         1.55273438e-01, -7.37304688e-02,  1.57226562e-01, -1.44531250e-01,
        -8.59375000e-02,  2.20703125e-01, -1.12304688e-01, -1.34765625e-01,
         1.02539062e-01,  1.14746094e-01,  3.14941406e-02,  1.06445312e-01,
         7.56835938e-02, -1.20117188e-01,  3.32031250e-01,  7.37304688e-02,
        -1.94549561e-03, -2.46093750e-01, -1.85546875e-01,  2.75390625e-01,
        -3.24218750e-01, -2.30712891e-02,  1.85546875e-01, -1.31835938e-02,
        -5.44433594e-02,  3.44238281e-02, -9.47265625e-02, -2.22167969e-02,
        -2.57812500e-01,  1.54296875e-01, -1.75781250e-01, -2.19726562e-02,
        -1.34765625e-01,  8.74023438e-02, -1.26953125e-01,  1.48437500e-01,
        -9.27734375e-02, -3.14331055e-03, -2.13623047e-02,  1.79687500e-01,
         7.56835938e-02,  2.79541016e-02, -9.03320312e-02,  2.38281250e-01,
         1.90429688e-01, -5.82885742e-03,  1.55639648e-02, -6.10351562e-02,
        -4.15039062e-02,  1.22070312e-01,  6.93359375e-02,  5.90820312e-02,
         5.17578125e-02,  1.25000000e-01,  1.11328125e-01,  3.49121094e-02,
        -1.49414062e-01, -1.60156250e-01, -6.98242188e-02,  4.95605469e-02,
        -5.68847656e-02,  1.01562500e-01,  1.75781250e-01, -4.98046875e-02,
        -1.78527832e-03, -1.82617188e-01, -1.12792969e-01, -1.95312500e-03,
         1.30859375e-01, -2.51953125e-01,  9.27734375e-02,  3.54003906e-02,
        -4.12597656e-02,  3.71093750e-02, -5.07812500e-02,  1.21459961e-02,
         9.15527344e-03,  5.17578125e-02, -3.35937500e-01, -2.27539062e-01,
         2.85156250e-01, -1.45507812e-01, -5.44433594e-02, -1.06933594e-01,
        -1.35742188e-01,  2.19726562e-01,  8.69140625e-02,  1.92871094e-02,
        -8.78906250e-02, -1.09863281e-01,  8.20312500e-02,  2.42187500e-01,
         9.71679688e-02,  1.12304688e-01, -2.12890625e-01, -9.27734375e-02,
        -6.00585938e-02,  9.37500000e-02,  8.05664062e-02, -2.75390625e-01,
         5.88989258e-03, -1.87500000e-01,  2.25830078e-02,  1.81640625e-01,
         1.49414062e-01, -2.20703125e-01,  2.35595703e-02, -5.95703125e-02,
        -7.44628906e-03, -2.81250000e-01,  4.76074219e-02,  1.63574219e-02,
         2.66113281e-02, -5.82885742e-03, -4.88281250e-02,  2.47070312e-01,
        -1.04003906e-01, -1.12792969e-01,  2.90527344e-02, -2.94494629e-03,
        -7.27539062e-02,  4.34570312e-02,  2.05078125e-01, -1.07421875e-01,
        -1.49414062e-01,  1.93023682e-03,  8.69140625e-02, -3.78417969e-02,
         1.99890137e-03, -2.73437500e-01, -1.56250000e-02,  6.59179688e-02,
         1.10351562e-01,  9.66796875e-02,  8.59375000e-02, -1.21093750e-01,
         6.25000000e-02,  5.78613281e-02,  1.79443359e-02, -3.97949219e-02,
         1.91406250e-01,  2.75878906e-02, -5.51757812e-02, -7.87353516e-03,
        -6.54296875e-02,  1.34887695e-02,  2.42187500e-01, -1.64062500e-01,
         9.81445312e-02,  3.80859375e-02, -1.03515625e-01, -2.12402344e-02,
        -2.83203125e-01, -8.54492188e-02, -6.17675781e-02, -3.02734375e-01,
        -2.28881836e-03,  6.34765625e-02,  3.17382812e-02,  1.31835938e-01,
        -4.76074219e-02, -4.05883789e-03, -1.41601562e-01,  2.89306641e-02,
        -4.22363281e-02, -1.39236450e-04, -2.55126953e-02, -9.32617188e-02,
         2.73437500e-02,  9.71679688e-02,  9.57031250e-02,  3.32031250e-02,
        -2.48046875e-01,  9.17968750e-02,  1.62109375e-01, -7.20214844e-03,
        -3.97949219e-02, -4.54101562e-02,  2.23388672e-02, -9.32617188e-02,
        -1.10351562e-01, -1.60156250e-01, -4.63867188e-03, -1.05468750e-01,
         4.39453125e-02,  8.44726562e-02, -2.58789062e-02,  1.07421875e-01,
        -4.68750000e-02,  2.18750000e-01, -2.12890625e-01,  6.44531250e-02,
```

```
        -4.88281250e-02,  3.54003906e-02,  9.52148438e-02,  1.00585938e-01,
         3.80859375e-02, -2.88085938e-02,  1.64062500e-01,  2.79296875e-01,
         2.89062500e-01,  6.88476562e-02,  9.57031250e-02, -2.42919922e-02,
        -1.58203125e-01,  3.73535156e-02,  4.66308594e-02, -3.75366211e-03,
         2.40234375e-01,  8.49609375e-02,  1.17675781e-01, -1.75781250e-01,
         5.63964844e-02, -3.88183594e-02, -2.56347656e-02,  6.54296875e-02,
         1.35742188e-01, -1.78710938e-01,  5.37109375e-02, -4.52041626e-04,
         1.34765625e-01,  9.32617188e-02, -5.22460938e-02, -8.59375000e-02,
         9.71679688e-02,  2.44140625e-02,  1.54296875e-01, -3.34472656e-02,
         8.25195312e-02,  1.53198242e-02,  7.86132812e-02, -9.13085938e-02,
         4.51660156e-02,  1.51367188e-01, -1.74560547e-02,  3.00292969e-02,
        -2.45361328e-02,  3.16406250e-01, -1.36718750e-01, -7.91015625e-02,
        -1.25000000e-01,  8.44726562e-02, -1.15966797e-03,  6.07910156e-02,
         1.25976562e-01, -1.36718750e-01, -1.00708008e-02,  3.11279297e-02,
        -3.37600708e-04, -1.07421875e-01,  1.68457031e-02, -5.39550781e-02,
        -2.04101562e-01, -1.75781250e-01,  2.61718750e-01,  9.88769531e-03,
         9.61914062e-02, -1.18652344e-01,  4.07714844e-02,  1.09863281e-01,
         2.23632812e-01,  9.58251953e-03, -3.10546875e-01, -1.09863281e-02,
         6.25000000e-02, -6.64062500e-02, -1.18732452e-04,  1.34765625e-01,
        -1.59179688e-01,  1.58203125e-01,  6.49414062e-02, -1.86767578e-0
2],
       dtype=float32),
 'related': array([-0.03198242,  0.06689453,  0.09326172, -0.04125977, -0.0
625    ,
         0.13476562,  0.13378906,  0.00491333,  0.19042969,  0.02355957,
        -0.05249023, -0.11669922, -0.29101562,  0.05834961, -0.17089844,
        -0.20507812, -0.02087402, -0.09179688,  0.23144531, -0.09619141,
        -0.11621094, -0.16113281, -0.20605469,  0.0201416 , -0.26367188,
        -0.05639648,  0.06225586,  0.16015625, -0.06225586,  0.07714844,
         0.16992188, -0.23925781,  0.04296875,  0.13378906, -0.06933594,
         0.01391602, -0.03149414, -0.20410156,  0.17578125,  0.01416016,
         0.08935547,  0.07080078,  0.0098877 ,  0.11230469, -0.16015625,
        -0.15136719,  0.06689453, -0.15136719,  0.05957031, -0.14160156,
         0.04296875, -0.20996094, -0.03759766,  0.00150299, -0.09765625,
         0.06738281, -0.13671875, -0.10009766,  0.23144531, -0.06787109,
        -0.00817871, -0.0859375 , -0.03015137,  0.08642578,  0.05712891,
         0.04589844, -0.14941406,  0.08544922, -0.1484375 , -0.0612793 ,
         0.04589844, -0.12792969,  0.06494141,  0.12207031, -0.25976562,
        -0.07958984,  0.16699219,  0.171875  , -0.18261719,  0.20117188,
        -0.06933594, -0.16308594, -0.08300781,  0.02502441, -0.07763672,
        -0.28320312, -0.13183594,  0.16210938, -0.328125  ,  0.07324219,
         0.43554688, -0.01251221,  0.08349609, -0.07519531,  0.03466797,
         0.00830078,  0.20410156, -0.10986328,  0.17285156,  0.1484375 ,
         0.0456543 , -0.01831055, -0.02709961, -0.14746094, -0.03759766,
        -0.10693359, -0.16113281, -0.15527344,  0.29101562, -0.26953125,
        -0.18945312,  0.07470703, -0.03344727, -0.08935547,  0.04101562,
         0.16503906, -0.00396729,  0.09033203,  0.16894531,  0.2578125 ,
        -0.15234375,  0.015625  , -0.125     , -0.25976562,  0.11572266,
         0.02514648,  0.13085938,  0.08007812,  0.09277344,  0.22753906,
        -0.08935547, -0.11328125, -0.21191406,  0.06591797, -0.19042969,
        -0.12451172, -0.0018692 , -0.05297852,  0.08642578, -0.11572266,
         0.21875   ,  0.0625    ,  0.07910156,  0.24511719,  0.10595703,
        -0.02685547, -0.0546875 , -0.00720215, -0.26757812,  0.20410156,
         0.14941406,  0.03710938, -0.03271484,  0.06787109, -0.33203125,
        -0.13085938, -0.04248047, -0.08251953,  0.22949219,  0.0625    ,
         0.27929688, -0.00878906, -0.06445312,  0.15429688,  0.125     ,
         0.22265625, -0.01269531,  0.13476562,  0.06591797, -0.07128906,
        -0.03979492, -0.08837891,  0.05664062, -0.30078125, -0.02185059,
         0.01403809,  0.02783203,  0.00787354, -0.16308594, -0.0534668 ,
        -0.15136719,  0.06396484, -0.06445312, -0.19335938, -0.06005859,
         0.20996094, -0.16601562,  0.08056641,  0.05322266,  0.10888672,
         0.1484375 ,  0.05566406, -0.13183594, -0.08251953, -0.10742188,
         0.11865234,  0.02319336, -0.15136719,  0.10693359, -0.25976562,
        -0.00097656,  0.03540039, -0.15136719,  0.00958252, -0.10058594,
```

```
        -0.13085938, -0.13964844, -0.05151367,  0.17675781, -0.00427246,
         0.06103516, -0.14160156, -0.08886719,  0.296875  ,  0.14453125,
        -0.03051758,  0.08496094, -0.02050781, -0.02038574, -0.13085938,
        -0.140625  ,  0.07177734,  0.02404785, -0.17578125,  0.05957031,
        -0.08300781,  0.09912109, -0.13671875,  0.06225586, -0.02905273,
         0.10351562,  0.22949219, -0.05273438,  0.02307129, -0.07617188,
        -0.1484375 ,  0.15234375, -0.05175781,  0.21679688, -0.0625    ,
         0.00720215,  0.18164062,  0.0201416 ,  0.17285156, -0.05859375,
        -0.08300781, -0.14160156,  0.17382812,  0.08935547, -0.296875  ,
         0.07910156,  0.2578125 , -0.03173828, -0.16601562,  0.03735352,
        -0.24707031, -0.00848389, -0.07275391, -0.01647949, -0.1171875 ,
        -0.04125977, -0.09912109,  0.01544189, -0.06298828, -0.01623535,
         0.03417969, -0.1015625 ,  0.14257812, -0.00282288,  0.10009766,
        -0.0255127 ,  0.04370117,  0.16992188, -0.21191406,  0.15136719,
        -0.22753906, -0.08349609, -0.21582031, -0.1953125 , -0.19628906,
        -0.06640625,  0.06396484, -0.05566406,  0.09912109, -0.00772095,
         0.04418945,  0.03442383,  0.06933594,  0.06640625, -0.16113281,
         0.09716797,  0.02563477,  0.12890625,  0.203125  ,  0.07666016,
        -0.06542969,  0.03759766, -0.09179688,  0.10839844,  0.05566406],
       dtype=float32),
 'contract': array([-0.07128906,  0.0625    ,  0.10546875,  0.00193787,  0.
11230469,
         0.13476562,  0.22363281, -0.19042969,  0.22167969,  0.09667969,
        -0.00588989, -0.18554688,  0.13085938, -0.24707031, -0.27734375,
         0.18261719,  0.01141357, -0.09619141,  0.09326172, -0.15917969,
        -0.3984375 ,  0.19433594,  0.00196838,  0.04614258,  0.16503906,
        -0.20214844, -0.15527344,  0.17089844, -0.15917969,  0.23046875,
        -0.03564453, -0.21679688,  0.11669922, -0.14746094,  0.29882812,
         0.09228516, -0.10058594,  0.09423828, -0.12988281, -0.10449219,
        -0.13671875, -0.0324707 , -0.06689453, -0.18554688, -0.36914062,
        -0.05615234,  0.34179688,  0.03393555, -0.30273438,  0.2265625 ,
         0.05664062, -0.16601562, -0.0378418 , -0.13964844, -0.01757812,
        -0.14746094,  0.07910156,  0.08154297,  0.0267334 , -0.13867188,
         0.17285156,  0.30664062,  0.00405884,  0.17480469, -0.03369141,
         0.09521484, -0.07519531, -0.02111816, -0.06591797,  0.03564453,
        -0.10302734,  0.05151367, -0.15625   , -0.02868652,  0.00671387,
        -0.12988281, -0.03588867, -0.03955078, -0.1484375 ,  0.02197266,
         0.10742188,  0.20703125, -0.11279297,  0.23046875,  0.13574219,
        -0.17675781, -0.02807617,  0.29101562, -0.07275391,  0.24121094,
         0.17285156,  0.23535156, -0.2109375 , -0.10839844, -0.06396484,
        -0.10107422, -0.03564453, -0.09082031,  0.27148438, -0.24804688,
        -0.13476562, -0.08496094, -0.15429688,  0.01940918,  0.07519531,
        -0.28515625,  0.21191406, -0.36523438, -0.34375   ,  0.18164062,
         0.16894531,  0.06689453,  0.01733398, -0.22167969,  0.0480957 ,
         0.14550781,  0.27148438,  0.0456543 ,  0.54296875,  0.05322266,
         0.09716797, -0.03735352, -0.08837891,  0.20117188,  0.26757812,
        -0.18066406, -0.08886719, -0.15234375,  0.00701904, -0.11035156,
         0.08691406, -0.02111816, -0.00376892, -0.28515625, -0.03417969,
         0.23046875,  0.00576782,  0.30859375,  0.00866699,  0.14257812,
        -0.02636719,  0.26171875,  0.08300781, -0.16601562, -0.08007812,
        -0.05273438, -0.31640625,  0.16796875,  0.03564453,  0.22753906,
        -0.01202393, -0.23242188,  0.05419922,  0.16699219,  0.09570312,
         0.375     ,  0.18164062, -0.12792969, -0.10058594, -0.05175781,
        -0.03198242,  0.359375  ,  0.08642578,  0.03295898, -0.09765625,
        -0.11962891, -0.03271484, -0.18847656, -0.23828125,  0.203125  ,
        -0.08300781, -0.15625   ,  0.23730469, -0.2890625 ,  0.08398438,
        -0.1796875 ,  0.0390625 , -0.19824219, -0.10400391, -0.22851562,
        -0.46289062, -0.05761719,  0.03198242,  0.13867188,  0.00836182,
        -0.05004883, -0.11474609,  0.12695312,  0.04101562, -0.05908203,
        -0.27539062,  0.00110626,  0.08935547,  0.04199219, -0.203125  ,
        -0.04492188, -0.07617188,  0.25585938, -0.25976562, -0.17480469,
         0.11962891, -0.17382812,  0.04272461,  0.34765625,  0.01635742,
        -0.16503906,  0.05126953, -0.48242188,  0.35351562, -0.05395508,
         0.07275391, -0.18261719, -0.12597656, -0.08789062,  0.04443359,
```

```
         0.04321289,  0.33007812, -0.13378906, -0.34765625,  0.07617188,
         0.03930664, -0.00518799, -0.17675781,  0.3203125 ,  0.11523438,
        -0.13964844, -0.02746582,  0.03613281, -0.05761719, -0.22070312,
         0.49023438,  0.01879883, -0.06079102, -0.05664062, -0.14746094,
         0.35351562,  0.12792969, -0.12988281, -0.0378418 ,  0.21582031,
         0.03027344, -0.23046875, -0.01000977, -0.40625   , -0.140625  ,
        -0.06176758,  0.11767578,  0.10888672, -0.06298828, -0.11914062,
         0.10400391, -0.07226562, -0.11132812,  0.00376892, -0.14257812,
         0.03979492, -0.06225586,  0.3203125 , -0.15722656,  0.16113281,
         0.17578125,  0.08740234, -0.34765625,  0.13476562, -0.04248047,
        -0.02380371, -0.24707031, -0.0014267 ,  0.03759766,  0.21972656,
         0.30273438, -0.10888672,  0.15234375, -0.23535156, -0.01782227,
         0.28125   , -0.14355469,  0.25195312, -0.4453125 ,  0.02929688,
        -0.25390625,  0.3125    , -0.05273438,  0.37695312,  0.06030273,
         0.01989746,  0.1328125 ,  0.14257812,  0.15429688, -0.16503906,
         0.1640625 ,  0.05419922, -0.07861328, -0.21972656,  0.265625  ,
         0.12011719, -0.08300781, -0.08837891, -0.3046875 , -0.24707031],
       dtype=float32),
 'perform': array([-0.04272461, -0.0324707 , -0.14648438, -0.0859375 , -0.2
4707031,
         0.10546875, -0.00236511, -0.1171875 ,  0.18261719, -0.09033203,
        -0.00604248,  0.00205994,  0.03344727,  0.16113281, -0.04516602,
         0.36132812, -0.0378418 ,  0.12451172, -0.04296875, -0.203125  ,
         0.03564453, -0.10644531, -0.02600098,  0.16796875, -0.09082031,
        -0.1640625 , -0.08447266, -0.3046875 , -0.21386719, -0.0378418 ,
         0.00946045,  0.1328125 , -0.13378906, -0.14746094,  0.11425781,
        -0.08886719,  0.08203125,  0.16113281,  0.12890625, -0.02868652,
         0.01794434,  0.24414062,  0.078125  ,  0.04638672, -0.02978516,
        -0.06982422, -0.36132812, -0.20800781, -0.08984375,  0.08496094,
        -0.05078125,  0.171875  , -0.04199219,  0.05639648, -0.07324219,
        -0.22363281,  0.02990723, -0.07763672, -0.00860596,  0.20996094,
         0.1640625 , -0.00500488,  0.01062012, -0.06933594,  0.16113281,
        -0.06835938, -0.03173828,  0.13671875,  0.14746094,  0.01269531,
         0.20703125, -0.21289062,  0.37890625,  0.23730469,  0.15039062,
        -0.31054688, -0.0378418 , -0.3125    , -0.03637695, -0.125     ,
        -0.20507812,  0.20019531,  0.04711914,  0.14941406, -0.0246582 ,
        -0.00354004, -0.078125  , -0.01794434, -0.02258301,  0.24707031,
        -0.10986328, -0.2890625 ,  0.14355469, -0.02941895,  0.18066406,
        -0.05395508,  0.14941406, -0.00053024, -0.0859375 , -0.3828125 ,
        -0.09326172, -0.25976562,  0.21582031, -0.09912109, -0.29882812,
        -0.359375  , -0.0534668 , -0.37695312, -0.03393555,  0.10791016,
        -0.05786133,  0.11425781, -0.04101562, -0.04321289, -0.04760742,
         0.00723267,  0.09863281, -0.14355469,  0.17285156, -0.12792969,
         0.21386719, -0.15722656, -0.05883789,  0.06738281,  0.25195312,
         0.12792969, -0.00344849, -0.06347656,  0.15625   ,  0.02832031,
        -0.20996094, -0.03808594,  0.07470703, -0.05371094,  0.07226562,
        -0.1484375 ,  0.25976562, -0.10595703, -0.23632812, -0.05004883,
        -0.09423828, -0.12255859, -0.30859375,  0.20703125, -0.07128906,
         0.06835938,  0.15039062,  0.02355957, -0.01092529,  0.18066406,
        -0.01391602,  0.21386719,  0.06396484,  0.17480469, -0.08300781,
        -0.09814453, -0.23535156, -0.19824219,  0.02514648, -0.31835938,
         0.12597656,  0.16210938, -0.00964355,  0.15625   ,  0.13085938,
        -0.3359375 ,  0.11914062, -0.35742188, -0.08642578, -0.234375  ,
        -0.37109375, -0.29492188,  0.01220703, -0.13085938,  0.02539062,
         0.01574707,  0.12353516, -0.05126953, -0.13378906, -0.03930664,
        -0.03759766,  0.09570312,  0.140625  , -0.01416016,  0.0133667 ,
         0.12207031,  0.10351562, -0.23046875, -0.06494141, -0.01513672,
         0.06591797,  0.01904297,  0.14550781, -0.25390625, -0.11962891,
        -0.25976562,  0.25      , -0.140625  , -0.140625  , -0.21191406,
         0.11328125, -0.00372314, -0.1640625 , -0.03710938, -0.02368164,
        -0.03857422, -0.12158203,  0.19726562,  0.06640625, -0.01068115,
         0.17285156,  0.11230469,  0.07226562, -0.00582886, -0.29296875,
        -0.27148438,  0.10595703, -0.07666016, -0.08886719, -0.296875  ,
         0.02160645, -0.15820312, -0.11083984, -0.09130859,  0.19238281,
```

```
         0.00189972, -0.12304688, -0.03662109,  0.12158203,  0.0055542 ,
         0.11132812, -0.16699219, -0.31054688,  0.06298828,  0.23828125,
        -0.02075195, -0.05859375, -0.23730469,  0.06201172,  0.00457764,
        -0.26171875,  0.12695312, -0.24414062, -0.296875  , -0.07617188,
        -0.21582031, -0.02246094, -0.0133667 , -0.0088501 , -0.21386719,
        -0.05859375,  0.12011719,  0.0534668 ,  0.00933838, -0.12451172,
         0.15917969,  0.01623535,  0.11523438,  0.14160156, -0.01147461,
        -0.01556396,  0.0255127 ,  0.19042969,  0.04833984,  0.2578125 ,
         0.09326172,  0.00297546,  0.07128906,  0.16796875,  0.03881836,
         0.10986328, -0.04443359,  0.04174805,  0.22070312,  0.296875  ,
        -0.29492188, -0.20996094, -0.109375  , -0.1796875 , -0.1796875 ,
         0.10644531,  0.10986328,  0.11132812,  0.04492188,  0.14160156,
        -0.22363281,  0.21777344, -0.09667969,  0.0279541 ,  0.13671875,
         0.29882812,  0.41210938, -0.31445312,  0.24414062, -0.16113281,
         0.33398438,  0.06689453,  0.13183594,  0.22167969, -0.16992188],
       dtype=float32),
 'duty': array([ 0.36914062,  0.21777344,  0.10546875, -0.0859375 ,  0.0495
6055,
        -0.16894531,  0.25195312, -0.12792969, -0.10253906,  0.17773438,
         0.29296875, -0.3203125 ,  0.13085938, -0.1171875 , -0.06787109,
         0.16699219,  0.02172852, -0.203125  , -0.01287842, -0.04174805,
        -0.15625   , -0.31835938, -0.02478027, -0.00338745,  0.01940918,
         0.00585938,  0.1484375 ,  0.09179688,  0.15234375,  0.29101562,
         0.27148438, -0.3203125 ,  0.13183594,  0.04907227, -0.19140625,
         0.12792969,  0.12597656,  0.09130859, -0.28320312,  0.10253906,
         0.0324707 ,  0.03393555,  0.01721191, -0.5390625 , -0.11816406,
        -0.12988281, -0.13476562, -0.16796875, -0.0559082 , -0.03491211,
        -0.02624512,  0.16894531,  0.18359375,  0.26953125,  0.11865234,
        -0.04882812, -0.08447266,  0.2265625 , -0.22460938, -0.04125977,
        -0.07128906,  0.04296875, -0.21972656, -0.07958984,  0.18066406,
         0.09960938, -0.21972656, -0.19140625, -0.27148438, -0.0534668 ,
         0.31054688, -0.15917969, -0.17480469, -0.01086426,  0.03515625,
        -0.21386719,  0.09765625, -0.04296875,  0.125     , -0.48046875,
         0.02880859,  0.02893066,  0.10107422, -0.10498047, -0.17382812,
         0.04467773, -0.01226807, -0.08642578, -0.01855469,  0.09326172,
         0.05029297, -0.09179688,  0.15039062,  0.10791016,  0.07519531,
        -0.15820312,  0.14550781, -0.03613281,  0.21972656, -0.10449219,
         0.04199219, -0.1171875 ,  0.13964844,  0.05175781, -0.14648438,
        -0.46484375,  0.17285156, -0.07666016,  0.00772095,  0.02722168,
        -0.09765625, -0.25976562, -0.17089844,  0.13574219,  0.18359375,
         0.14550781, -0.22070312,  0.23242188,  0.23730469,  0.25390625,
         0.03637695,  0.23242188,  0.10302734,  0.26171875,  0.03271484,
         0.2890625 , -0.17773438, -0.16796875,  0.30859375, -0.02954102,
        -0.17578125, -0.12304688, -0.3203125 , -0.22558594, -0.01269531,
        -0.11083984, -0.18847656,  0.34179688, -0.01507568,  0.02941895,
        -0.12255859, -0.06176758,  0.22851562, -0.05786133, -0.18652344,
        -0.2421875 , -0.13476562, -0.0534668 ,  0.11572266,  0.12597656,
        -0.00778198,  0.01422119,  0.10693359, -0.07128906,  0.26953125,
         0.21191406, -0.1796875 , -0.17382812, -0.21875   , -0.28320312,
        -0.05688477,  0.24707031, -0.04956055,  0.10742188,  0.16210938,
        -0.07617188, -0.12109375, -0.05395508,  0.10302734, -0.12988281,
         0.1484375 , -0.06933594,  0.04785156, -0.03125   , -0.12109375,
        -0.16308594, -0.07373047, -0.4140625 , -0.36328125, -0.1875    ,
        -0.10449219, -0.23730469, -0.02307129, -0.04248047,  0.30664062,
        -0.02563477,  0.06494141,  0.05712891,  0.2890625 ,  0.07617188,
        -0.29492188, -0.0267334 ,  0.1796875 , -0.02282715,  0.08300781,
         0.07666016,  0.12695312,  0.22753906, -0.15332031, -0.15917969,
        -0.04394531, -0.05004883, -0.02722168, -0.14160156, -0.03735352,
        -0.11376953, -0.07617188, -0.10644531, -0.07617188, -0.19726562,
         0.08837891, -0.13378906, -0.03735352, -0.03393555, -0.234375  ,
        -0.15332031,  0.11132812,  0.20507812, -0.20996094, -0.23535156,
        -0.28125   , -0.01422119,  0.04541016, -0.12304688,  0.25585938,
        -0.18457031, -0.16503906,  0.01367188,  0.18066406,  0.01184082,
        -0.0703125 , -0.1171875 ,  0.03369141, -0.02905273,  0.140625  ,
```

```
         0.09472656,  0.03466797,  0.12597656, -0.12597656, -0.03881836,
         0.04492188, -0.06298828,  0.04296875, -0.28710938, -0.07568359,
         0.12792969, -0.13964844, -0.22851562, -0.00744629, -0.31054688,
         0.00546265,  0.06591797,  0.12109375, -0.33203125, -0.0043335 ,
        -0.09912109,  0.15625   , -0.00595093,  0.10253906, -0.02502441,
         0.07617188, -0.11621094,  0.18359375,  0.32617188,  0.37304688,
        -0.01721191,  0.12890625, -0.0625    , -0.2578125 , -0.14941406,
         0.26367188, -0.10839844,  0.12792969,  0.20605469,  0.34179688,
         0.0559082 , -0.08349609,  0.03833008, -0.22851562,  0.39453125,
         0.09375   , -0.09277344,  0.328125  ,  0.35351562,  0.11572266,
         0.23730469, -0.328125  , -0.16210938,  0.25390625,  0.07958984,
         0.05395508, -0.2578125 ,  0.04492188, -0.16113281, -0.03564453,
        -0.01086426, -0.23632812, -0.21484375,  0.0859375 , -0.14160156],
       dtype=float32),
 'assigned': array([ 8.83789062e-02,  9.71679688e-02,  1.38671875e-01,  1.0
2050781e-01,
        -1.95312500e-01, -1.62109375e-01,  1.66015625e-02, -7.66601562e-02,
         7.66601562e-02, -1.39648438e-01,  3.98437500e-01,  3.75366211e-03,
         1.27929688e-01, -2.63671875e-01, -1.17675781e-01,  1.36718750e-01,
        -1.60156250e-01, -2.98828125e-01, -2.33398438e-01, -4.98046875e-02,
        -2.39257812e-01, -4.17480469e-02,  4.71191406e-02,  1.00585938e-01,
        -2.53906250e-01, -2.85156250e-01, -5.29785156e-02, -5.27343750e-02,
        -2.69531250e-01,  2.11914062e-01,  1.24511719e-01, -1.09375000e-01,
         1.58203125e-01,  1.14746094e-01, -8.64257812e-02, -4.93164062e-02,
         1.11816406e-01,  1.30615234e-02,  1.03149414e-02, -4.37011719e-02,
        -1.35742188e-01,  1.26953125e-01,  1.16210938e-01, -2.69531250e-01,
        -1.68945312e-01, -1.06933594e-01,  1.89453125e-01, -3.41796875e-02,
        -1.64062500e-01, -2.66113281e-02, -2.73437500e-01, -4.07714844e-02,
         6.29882812e-02,  1.23046875e-01, -9.66796875e-02,  2.02941895e-03,
        -1.04003906e-01, -7.42187500e-02, -7.08007812e-02,  6.93359375e-02,
         1.23977661e-05,  1.91406250e-01, -1.25000000e-01, -2.00195312e-01,
         2.50000000e-01,  3.49121094e-02, -2.04101562e-01, -1.33789062e-01,
        -1.09863281e-01, -1.94335938e-01,  3.30078125e-01,  7.91015625e-02,
         1.98974609e-02,  1.66015625e-01, -1.77734375e-01, -3.20312500e-01,
         2.50000000e-01,  1.55639648e-02, -1.03515625e-01, -2.04101562e-01,
         1.91406250e-01,  8.42285156e-03,  8.10546875e-02,  1.88476562e-01,
         2.00195312e-02, -2.75390625e-01, -1.56250000e-02,  6.83593750e-03,
         3.46679688e-02,  1.73339844e-02,  9.81445312e-02, -3.96484375e-01,
         8.34960938e-02,  5.24902344e-02,  2.53906250e-01,  1.74804688e-01,
         1.14257812e-01,  6.64062500e-02, -1.79687500e-01, -1.92382812e-01,
         3.18359375e-01, -8.59375000e-02,  1.34887695e-02, -7.87353516e-03,
         8.54492188e-02, -7.71484375e-02, -2.69531250e-01, -6.49414062e-02,
         1.87988281e-02,  1.73828125e-01,  9.52148438e-02,  3.06396484e-02,
        -2.08984375e-01, -3.37890625e-01,  1.82617188e-01,  2.46093750e-01,
        -3.29589844e-02, -5.66406250e-02,  4.58984375e-01,  1.92871094e-02,
        -2.05078125e-01, -9.76562500e-02, -1.09863281e-02,  7.66601562e-02,
         3.78417969e-02,  2.20703125e-01, -7.32421875e-02, -2.28515625e-01,
         8.00781250e-02, -6.88476562e-02,  1.41601562e-01, -3.30078125e-01,
        -1.22558594e-01,  1.76757812e-01, -1.78710938e-01, -3.73046875e-01,
        -3.28125000e-01,  2.19726562e-02, -6.59179688e-02,  7.32421875e-02,
         5.63964844e-02, -5.34667969e-02, -2.83203125e-01, -8.59375000e-02,
        -1.32812500e-01,  1.50390625e-01, -1.91406250e-01, -1.24023438e-01,
         4.95605469e-02, -3.71093750e-02,  1.21582031e-01,  1.38671875e-01,
        -1.63085938e-01,  9.21630859e-03,  1.73339844e-02,  1.69921875e-01,
        -2.94921875e-01, -8.30078125e-02,  2.62451172e-02,  1.09863281e-01,
         1.53320312e-01,  1.66015625e-01, -5.32226562e-02,  9.37500000e-02,
        -6.73828125e-02,  1.80664062e-01,  1.19628906e-01, -1.03759766e-02,
         1.26953125e-01, -4.49218750e-02, -1.56250000e-01, -2.38281250e-01,
        -3.11279297e-02, -3.85742188e-02,  2.14843750e-01,  1.63085938e-01,
         6.25000000e-02, -1.61132812e-01, -3.12500000e-01, -1.20605469e-01,
        -2.74658203e-02, -3.01513672e-02,  4.49218750e-02,  2.20703125e-01,
        -1.32812500e-01, -1.01074219e-01,  1.53320312e-01, -8.30078125e-02,
        -5.02929688e-02,  9.57031250e-02, -2.90527344e-02, -1.66015625e-01,
        -5.32226562e-02, -1.48437500e-01, -2.46582031e-02,  4.06250000e-01,
```

```
         3.30078125e-01,  8.20312500e-02,  7.12890625e-02, -2.09960938e-01,
         2.87109375e-01,  3.14453125e-01,  8.44726562e-02, -1.85546875e-01,
        -3.10546875e-01, -4.93164062e-02, -9.71679688e-02,  2.13867188e-01,
         1.22070312e-01, -1.52343750e-01,  2.27355957e-03,  2.28271484e-02,
        -2.41210938e-01, -2.08740234e-02,  1.05468750e-01, -1.24511719e-02,
         1.42578125e-01, -1.50390625e-01,  6.07910156e-02, -3.78906250e-01,
        -1.30859375e-01,  1.18164062e-01, -8.59375000e-02,  1.47460938e-01,
         1.05957031e-01, -3.06396484e-02, -1.00097656e-01,  2.22656250e-01,
         4.41894531e-02, -2.65625000e-01,  6.93359375e-02, -2.83203125e-01,
        -9.86328125e-02, -1.85546875e-01, -5.18798828e-03, -1.01562500e-01,
         4.29687500e-02, -2.48046875e-01,  8.49609375e-02,  5.05371094e-02,
        -1.71875000e-01, -1.09252930e-02, -1.17675781e-01, -1.98242188e-01,
        -1.41601562e-01,  2.10937500e-01, -7.71484375e-02, -1.92382812e-01,
        -4.27246094e-02, -7.27539062e-02, -1.54296875e-01,  3.78417969e-02,
         1.47460938e-01,  4.58984375e-02, -2.07519531e-02, -4.00390625e-02,
         4.49218750e-02, -4.27246094e-02,  9.71679688e-02,  1.33666992e-02,
        -1.69921875e-01, -6.98242188e-02, -9.13085938e-02,  3.24707031e-02,
         3.55468750e-01,  1.67236328e-02,  2.92968750e-01, -3.36914062e-02,
        -4.27246094e-02, -3.32641602e-03,  7.12890625e-02, -6.54296875e-02,
        -2.01171875e-01, -9.64355469e-03,  2.10937500e-01, -1.84570312e-01,
        -6.00585938e-02, -2.39257812e-01, -7.17773438e-02,  2.00195312e-01,
        -1.66015625e-01, -2.08984375e-01,  1.40625000e-01,  1.08886719e-01,
         2.96875000e-01,  1.37695312e-01, -2.26562500e-01,  1.21093750e-01,
         1.04003906e-01, -1.29882812e-01,  6.29882812e-02, -1.06811523e-02,
         1.05468750e-01, -6.16455078e-03, -7.95898438e-02,  3.22265625e-02,
         5.02929688e-02, -8.11767578e-03, -1.25000000e-01,  8.59375000e-0
2],
       dtype=float32),
 'qualifications': array([-0.2734375 , -0.20507812, -0.00512695, -0.1049804
7,  0.15234375,
         0.00054932,  0.16210938, -0.12207031, -0.13769531, -0.05712891,
         0.20898438,  0.09960938, -0.03344727,  0.01721191, -0.02868652,
         0.49023438,  0.11035156,  0.17480469, -0.00628662, -0.40429688,
        -0.1875    , -0.30859375, -0.12792969,  0.33203125, -0.17089844,
        -0.1328125 , -0.12402344,  0.05493164, -0.15527344,  0.20019531,
         0.12890625, -0.02258301, -0.08447266, -0.20117188,  0.12597656,
        -0.09277344,  0.17480469,  0.38476562, -0.109375  , -0.27929688,
        -0.22851562, -0.10107422, -0.12890625,  0.07714844, -0.21875   ,
        -0.11181641, -0.08154297,  0.22460938, -0.34375   , -0.09179688,
        -0.10498047, -0.0534668 , -0.04907227,  0.12597656,  0.13964844,
         0.19042969, -0.00793457, -0.15332031, -0.06005859, -0.1875    ,
         0.02758789, -0.00195312, -0.02856445, -0.25      , -0.03222656,
         0.14941406,  0.08349609, -0.09277344, -0.0016861 , -0.24316406,
        -0.08203125,  0.00334167,  0.06152344,  0.13183594, -0.03063965,
        -0.10351562,  0.21484375,  0.18359375,  0.21289062,  0.25390625,
         0.07128906,  0.08642578, -0.33789062,  0.19238281,  0.0534668 ,
         0.0859375 , -0.09912109,  0.06835938,  0.25390625,  0.04663086,
         0.11572266, -0.02001953, -0.30664062,  0.05151367,  0.453125  ,
        -0.23046875,  0.08496094,  0.10302734,  0.04614258, -0.08740234,
        -0.16113281, -0.09277344,  0.04663086,  0.20605469,  0.11914062,
        -0.14160156, -0.12255859, -0.04589844,  0.5234375 , -0.38085938,
         0.36132812,  0.125     , -0.36523438, -0.04663086,  0.05737305,
        -0.09375   ,  0.20117188,  0.02246094,  0.0703125 , -0.13476562,
        -0.33203125,  0.17675781,  0.21777344,  0.01635742,  0.12890625,
         0.27148438, -0.2578125 ,  0.05297852, -0.09130859,  0.13964844,
        -0.0112915 , -0.27148438, -0.17382812, -0.2109375 , -0.0559082 ,
         0.06103516, -0.26757812,  0.02270508, -0.00701904,  0.11914062,
        -0.23046875,  0.140625  ,  0.06738281,  0.01574707,  0.04663086,
         0.24511719,  0.02661133,  0.04614258, -0.10205078,  0.05786133,
        -0.06005859,  0.32617188, -0.03173828, -0.07421875,  0.04467773,
         0.14941406, -0.25390625, -0.26171875, -0.07421875, -0.18261719,
         0.0703125 , -0.21972656, -0.09423828,  0.10351562, -0.24804688,
        -0.26757812, -0.09375   , -0.00576782, -0.12695312,  0.17382812,
        -0.03173828, -0.02600098, -0.18652344, -0.32421875,  0.08007812,
```

```
        -0.26171875,  0.14257812, -0.25      , -0.24023438, -0.14746094,
        -0.24707031, -0.12597656, -0.28515625,  0.06347656,  0.05371094,
        -0.22460938, -0.02282715, -0.34960938,  0.22363281,  0.19628906,
        -0.16113281,  0.00318909, -0.28320312,  0.16894531,  0.22851562,
         0.05932617,  0.09326172, -0.17382812, -0.13085938, -0.16699219,
        -0.35742188,  0.35351562, -0.13085938, -0.1171875 , -0.0612793 ,
        -0.10351562, -0.03295898, -0.12255859,  0.1640625 ,  0.02124023,
        -0.00970459, -0.23242188,  0.14648438,  0.02648926, -0.12792969,
        -0.03759766, -0.14550781,  0.15820312,  0.14746094, -0.09130859,
         0.02624512,  0.11181641,  0.00704956,  0.02636719,  0.24511719,
        -0.1796875 ,  0.11669922,  0.07226562, -0.15722656, -0.00162506,
        -0.1484375 , -0.15820312,  0.15234375, -0.02832031,  0.140625  ,
         0.06689453,  0.47460938,  0.11132812, -0.07568359,  0.04956055,
        -0.04418945,  0.05639648, -0.12792969,  0.04174805, -0.03295898,
        -0.20019531, -0.02661133,  0.02062988, -0.17675781, -0.05371094,
         0.00337219, -0.11816406, -0.34960938,  0.3203125 , -0.01965332,
         0.05834961,  0.04736328,  0.18652344, -0.04296875,  0.04711914,
         0.47265625,  0.00585938, -0.09521484,  0.15722656,  0.36523438,
         0.03930664,  0.15917969, -0.04370117, -0.32226562, -0.38476562,
        -0.24023438, -0.11669922,  0.15917969,  0.36523438, -0.24511719,
        -0.16796875,  0.18164062, -0.28515625, -0.0559082 ,  0.03051758,
         0.18066406, -0.14355469, -0.0390625 ,  0.2421875 , -0.18066406,
        -0.00180054, -0.00836182, -0.05102539,  0.10351562,  0.03881836,
        -0.01165771,  0.02355957, -0.45507812,  0.04199219,  0.09228516,
         0.03564453,  0.41210938, -0.23925781, -0.21972656, -0.11914062],
       dtype=float32),
 'knowledge': array([-4.51660156e-02, -7.51953125e-02, -9.39941406e-03, -2.
04101562e-01,
        -3.19824219e-02,  2.13867188e-01,  1.30004883e-02, -2.01416016e-02,
         1.56250000e-01, -1.53320312e-01, -1.68457031e-02,  2.13867188e-01,
         2.33154297e-02,  1.14257812e-01, -1.03515625e-01,  6.83593750e-02,
        -1.10839844e-01,  3.43750000e-01, -1.56402588e-03, -2.28515625e-01,
        -1.04003906e-01, -2.31445312e-01,  1.16577148e-02,  1.54296875e-01,
         1.57226562e-01, -5.46875000e-02, -1.09863281e-01,  1.21093750e-01,
        -2.59765625e-01, -7.81250000e-02,  5.10253906e-02,  9.27734375e-02,
         2.57568359e-02,  6.93359375e-02, -6.73828125e-02,  2.16796875e-01,
         2.97851562e-02, -1.47705078e-02,  2.02148438e-01, -2.21679688e-01,
        -6.64062500e-02,  6.98242188e-02, -1.10839844e-01,  3.85742188e-02,
         4.71191406e-02, -1.19628906e-01, -2.71484375e-01,  6.20117188e-02,
        -4.19921875e-02,  1.62353516e-02, -1.55273438e-01,  1.64794922e-02,
        -3.71093750e-02, -8.74023438e-02, -8.78906250e-02,  2.20703125e-01,
         5.22460938e-02, -1.35742188e-01,  1.22558594e-01, -1.01074219e-01,
        -5.00488281e-02, -1.75781250e-01,  9.22851562e-02, -4.66918945e-03,
        -1.27929688e-01,  2.41699219e-02, -1.25976562e-01,  6.54296875e-02,
         9.76562500e-02,  1.69677734e-02, -2.06298828e-02, -1.95312500e-02,
         1.90429688e-01,  7.17773438e-02,  1.74560547e-02, -2.58789062e-02,
         1.47460938e-01, -3.34472656e-02,  2.25585938e-01,  6.83593750e-02,
         6.83593750e-02,  4.05273438e-02,  1.34765625e-01,  2.73437500e-01,
         1.09375000e-01, -2.24609375e-01, -1.81640625e-01,  1.77734375e-01,
         2.67333984e-02,  4.85839844e-02,  1.41601562e-01, -4.24804688e-02,
        -2.45117188e-01, -1.17187500e-01,  6.88476562e-02, -3.41796875e-01,
        -3.32031250e-02,  2.92968750e-02,  1.32812500e-01, -3.93066406e-02,
        -6.93359375e-02, -1.42822266e-02, -9.71679688e-02,  2.11914062e-01,
         1.03515625e-01, -1.29882812e-01, -2.67578125e-01, -1.83593750e-01,
         2.18750000e-01, -3.90625000e-01, -1.05957031e-01,  2.18750000e-01,
        -1.82617188e-01, -1.59179688e-01,  4.49218750e-02,  1.96289062e-01,
         1.21582031e-01,  4.05273438e-02, -8.30078125e-03, -6.68945312e-02,
        -3.71093750e-01, -6.68945312e-02, -3.76892090e-03,  1.76757812e-01,
        -1.22558594e-01,  7.17163086e-03,  4.95605469e-02, -2.42187500e-01,
        -7.51953125e-02,  3.71093750e-01, -2.27539062e-01, -2.51953125e-01,
        -2.69531250e-01,  8.59375000e-02,  1.98242188e-01,  1.23291016e-02,
         2.08984375e-01, -6.39648438e-02, -5.39550781e-02, -3.85742188e-02,
        -1.45507812e-01,  2.75878906e-02, -1.47460938e-01,  1.04980469e-01,
        -1.44531250e-01, -2.94189453e-02,  1.24511719e-01,  1.31835938e-01,
```

```
         2.34375000e-01,  6.64062500e-02,  1.44531250e-01,  1.17675781e-01,
        -1.04492188e-01,  6.44531250e-02, -4.22363281e-02, -4.22363281e-02,
        -2.24609375e-01, -2.06054688e-01, -3.24218750e-01, -1.67968750e-01,
         1.24511719e-01,  4.73632812e-02, -3.75000000e-01,  1.44653320e-02,
        -1.75781250e-01, -1.27929688e-01,  9.32617188e-02, -9.86328125e-02,
        -1.74804688e-01,  7.32421875e-02,  2.94921875e-01,  1.78710938e-01,
        -1.97753906e-02, -4.94140625e-01,  1.05957031e-01, -1.31835938e-01,
        -8.15429688e-02, -3.37890625e-01,  5.22460938e-02, -2.67578125e-01,
        -3.66210938e-02,  1.25976562e-01,  3.32031250e-01, -1.88476562e-01,
        -1.10351562e-01, -3.24707031e-02,  5.81054688e-02, -1.46484375e-01,
         1.92382812e-01,  5.07812500e-02, -2.67578125e-01,  3.84521484e-03,
         8.83789062e-02,  1.84570312e-01, -5.63964844e-02,  1.82617188e-01,
         3.97949219e-02, -1.04492188e-01,  3.29589844e-02, -2.17773438e-01,
        -2.79296875e-01,  4.02832031e-02, -7.03125000e-02, -5.20019531e-02,
        -2.90527344e-02, -8.88824463e-04, -9.27734375e-03, -2.08984375e-01,
        -1.36718750e-01, -3.08837891e-02, -1.67968750e-01, -5.68847656e-02,
         6.54296875e-02, -1.11816406e-01,  8.98437500e-02,  8.05664062e-02,
         1.02539062e-01,  2.41210938e-01,  2.38281250e-01, -4.29687500e-02,
        -1.91650391e-02, -1.98242188e-01,  1.45874023e-02,  3.00292969e-02,
        -5.55419922e-03, -8.15429688e-02,  2.37304688e-01,  2.94494629e-03,
        -1.07421875e-02, -1.95312500e-03,  5.90820312e-02,  7.81250000e-02,
         7.08007812e-02, -1.98364258e-03,  1.40625000e-01, -2.08984375e-01,
         2.18750000e-01,  1.07910156e-01,  6.68945312e-02,  1.72615051e-04,
        -1.25000000e-01,  8.30078125e-02, -1.48437500e-01,  1.62109375e-01,
         6.59179688e-02,  5.05371094e-02,  1.90429688e-01, -1.62353516e-02,
         1.42578125e-01, -1.21582031e-01,  1.72851562e-01,  2.73437500e-02,
         6.49414062e-02,  2.51953125e-01,  5.10253906e-02, -1.43554688e-01,
        -2.08007812e-01,  1.27929688e-01, -3.30078125e-01, -5.95092773e-03,
         1.21582031e-01, -1.06933594e-01, -2.96875000e-01,  3.45703125e-01,
         1.39160156e-02,  9.08203125e-02,  2.12890625e-01, -3.51562500e-02,
        -6.29882812e-02, -2.36328125e-01, -1.73339844e-02, -8.98437500e-02,
         5.95703125e-02,  1.90429688e-01,  1.09375000e-01, -2.40478516e-02,
        -1.42822266e-02,  1.88476562e-01,  1.22680664e-02, -2.58789062e-02,
         1.08886719e-01,  3.39355469e-02,  2.59765625e-01,  1.62109375e-01,
         1.57470703e-02, -1.23046875e-01, -2.78320312e-02,  2.34375000e-01,
        -1.70898438e-03,  1.08886719e-01, -1.50390625e-01,  7.37304688e-02,
         1.91650391e-02, -2.79541016e-02, -9.76562500e-02,  1.61132812e-02,
        -6.17675781e-02, -3.08593750e-01, -1.03515625e-01, -3.22265625e-0
2],
       dtype=float32),
 'skills': array([ 3.14941406e-02,  5.22460938e-02,  2.06298828e-02, -5.224
60938e-02,
        -4.73632812e-02,  1.39648438e-01,  4.15802002e-04, -3.39355469e-02,
        -1.88476562e-01, -1.38671875e-01,  2.65625000e-01,  1.34765625e-01,
        -5.15136719e-02,  6.78710938e-02,  6.64062500e-02,  1.40625000e-01,
        -2.01416016e-02,  3.86718750e-01,  4.44335938e-02, -2.83203125e-01,
         1.84570312e-01, -9.66796875e-02, -3.00292969e-02,  4.00390625e-01,
         2.15148926e-03, -7.56835938e-02, -1.03515625e-01, -4.12597656e-02,
        -2.15820312e-01, -4.29687500e-02, -8.74023438e-02,  1.15722656e-01,
         8.69140625e-02,  5.46875000e-02,  5.85937500e-02,  2.92968750e-01,
        -5.73730469e-02,  1.82617188e-01,  1.10351562e-01, -2.55859375e-01,
         8.54492188e-03, -4.46777344e-02,  9.27734375e-02,  2.79296875e-01,
         2.91748047e-02,  1.14746094e-01, -3.53515625e-01,  4.22363281e-02,
        -5.44433594e-02,  2.15820312e-01, -4.29687500e-01,  1.66015625e-01,
        -2.73437500e-02, -4.24804688e-02,  1.00097656e-01, -4.41894531e-02,
         5.27343750e-02, -2.91015625e-01, -8.64257812e-02, -3.26171875e-01,
        -3.95507812e-02, -7.76367188e-02, -1.04980469e-01, -2.28515625e-01,
        -1.28906250e-01,  2.53906250e-01, -8.74023438e-02, -3.28125000e-01,
        -6.05468750e-02,  7.91015625e-02, -1.15722656e-01, -3.00781250e-01,
         2.96875000e-01,  2.94921875e-01, -3.32031250e-02, -5.37109375e-02,
         2.83813477e-03,  2.34375000e-01,  1.39648438e-01, -2.75878906e-02,
         4.05273438e-02,  2.35351562e-01,  5.17578125e-02,  1.97265625e-01,
         2.11914062e-01,  1.09863281e-02, -1.53808594e-02,  2.49023438e-01,
         2.50000000e-01, -3.22265625e-02, -6.68945312e-02, -1.77734375e-01,
```

```
        -4.02343750e-01, -1.92382812e-01,  3.47656250e-01, -3.26171875e-01,
         1.17187500e-01,  1.53320312e-01, -2.70996094e-02, -3.33984375e-01,
        -4.30297852e-03, -3.19824219e-02, -6.78710938e-02,  1.62109375e-01,
         1.01318359e-02, -2.79296875e-01,  1.90429688e-02, -1.27929688e-01,
         3.82812500e-01, -1.60156250e-01,  7.27539062e-02,  2.61718750e-01,
        -8.59375000e-02,  6.12792969e-02,  2.74658203e-02,  7.17773438e-02,
         1.75781250e-01, -1.66992188e-01, -1.84570312e-01, -2.33398438e-01,
        -2.18750000e-01, -7.22656250e-02,  1.72851562e-01,  1.64062500e-01,
         2.61718750e-01,  1.58203125e-01, -2.41210938e-01,  6.83593750e-03,
        -1.33789062e-01,  1.60156250e-01,  1.02996826e-03, -1.75781250e-01,
        -4.23828125e-01, -4.39453125e-02, -9.03320312e-02, -1.38671875e-01,
         1.16699219e-01, -1.57226562e-01, -1.61132812e-01,  5.49316406e-03,
        -1.38671875e-01, -3.36914062e-02,  5.20019531e-02,  5.54199219e-02,
        -9.42382812e-02,  1.86767578e-02,  3.00781250e-01,  5.46875000e-02,
         1.43554688e-01,  8.10546875e-02,  1.84570312e-01,  4.64843750e-01,
        -2.28515625e-01,  1.46484375e-01, -1.42578125e-01,  6.49414062e-02,
        -1.46484375e-01, -1.36718750e-01, -2.15820312e-01, -2.39257812e-01,
         2.50000000e-01,  1.30859375e-01, -2.94921875e-01,  1.24511719e-02,
        -5.31250000e-01, -6.93359375e-02,  1.52343750e-01, -2.37304688e-01,
         1.58691406e-02,  5.85937500e-02,  1.36718750e-01,  7.03125000e-02,
        -3.43750000e-01, -2.41210938e-01,  2.28515625e-01,  1.54296875e-01,
         8.54492188e-02, -1.83593750e-01, -3.44238281e-02, -1.44042969e-02,
        -1.28906250e-01, -2.62451172e-02, -1.74560547e-02,  5.49316406e-02,
        -2.73437500e-01, -1.63574219e-02,  5.59082031e-02, -3.35937500e-01,
         2.57812500e-01, -1.59179688e-01, -1.62109375e-01,  9.57031250e-02,
        -6.34765625e-02,  1.60156250e-01, -5.68847656e-02, -3.83300781e-02,
         2.08984375e-01, -1.77734375e-01, -2.31445312e-01, -2.30468750e-01,
        -2.59765625e-01, -9.47265625e-02, -4.19921875e-02, -7.56835938e-02,
        -7.71484375e-02, -1.30859375e-01, -1.47094727e-02, -3.06640625e-01,
         2.11914062e-01,  1.11083984e-02, -1.41601562e-01, -2.26562500e-01,
        -1.68457031e-02,  3.73535156e-02,  7.61718750e-02, -1.01562500e-01,
         2.51953125e-01,  1.80664062e-01, -2.25830078e-02,  2.46582031e-02,
        -7.17773438e-02, -2.79541016e-02, -1.72851562e-01, -3.73535156e-02,
        -4.61425781e-02, -6.93359375e-02,  1.95312500e-02, -8.00781250e-02,
         1.19628906e-02, -4.90722656e-02,  3.00598145e-03, -1.25000000e-01,
         1.90429688e-01, -1.70898438e-02, -1.05468750e-01, -7.51953125e-02,
         2.44140625e-02, -1.63085938e-01,  1.91650391e-02,  4.71191406e-02,
        -9.03320312e-02,  3.32031250e-01, -7.95898438e-02, -9.57031250e-02,
         6.64062500e-02, -7.81250000e-02, -1.94091797e-02, -1.66992188e-01,
        -4.51660156e-02, -3.75000000e-01, -1.10839844e-01, -8.83789062e-02,
        -2.09960938e-01,  5.97656250e-01,  1.46484375e-01, -2.89062500e-01,
         1.25000000e-01,  3.30078125e-01, -3.32031250e-01,  1.12304688e-01,
         6.44531250e-02, -5.32226562e-02, -1.89208984e-02,  2.47070312e-01,
         1.18652344e-01,  1.06933594e-01,  7.22656250e-02,  6.93359375e-02,
         6.49414062e-02, -4.37011719e-02, -1.91406250e-01,  1.62109375e-01,
        -4.12597656e-02,  3.29589844e-02,  7.47070312e-02,  3.11279297e-02,
         2.16796875e-01,  8.88671875e-02, -4.19921875e-01,  2.75390625e-01,
         1.82617188e-01, -9.32617188e-02,  2.24609375e-01,  1.43554688e-01,
        -3.00781250e-01, -1.87500000e-01, -3.29589844e-02,  7.42187500e-02,
         5.46875000e-02,  2.81250000e-01, -2.75390625e-01,  4.41894531e-02,
        -2.94921875e-01, -3.32031250e-01, -1.56250000e-01, -2.91015625e-01,
         2.41210938e-01, -1.67968750e-01, -1.82617188e-01,  6.73828125e-0
2],
       dtype=float32),
 'abilities': array([ 0.22949219,  0.12792969,  0.07226562,  0.01904297, -
0.0859375 ,
         0.2578125 ,  0.13183594, -0.01464844, -0.04589844, -0.0378418 ,
         0.24316406, -0.00187683,  0.09619141, -0.03613281, -0.04541016,
         0.11132812, -0.05859375,  0.3828125 ,  0.12597656, -0.25195312,
        -0.02880859, -0.23632812, -0.18359375,  0.45507812,  0.09472656,
        -0.28515625, -0.04907227, -0.06030273, -0.25585938,  0.04663086,
        -0.16699219,  0.04907227,  0.12890625, -0.03051758,  0.13183594,
         0.20800781, -0.02111816,  0.10791016,  0.03955078, -0.140625  ,
         0.16113281,  0.13964844,  0.09228516,  0.25      , -0.03979492,
```

```
        -0.07861328, -0.16308594, -0.00411987, -0.09277344, -0.01672363,
        -0.26171875,  0.19042969, -0.02380371,  0.09912109,  0.16992188,
         0.23730469, -0.02453613, -0.20703125, -0.05981445, -0.07128906,
         0.22753906,  0.26757812,  0.05224609, -0.1328125 , -0.11279297,
         0.09423828,  0.08935547,  0.03125   , -0.10058594,  0.22851562,
         0.06542969, -0.31445312,  0.06933594,  0.17871094, -0.07519531,
        -0.12060547,  0.04101562,  0.08007812,  0.04614258,  0.0065918 ,
         0.00946045,  0.27539062,  0.07275391,  0.1640625 ,  0.203125  ,
        -0.02770996, -0.19140625,  0.09863281,  0.03710938,  0.01843262,
         0.05883789, -0.12597656, -0.2734375 , -0.07226562,  0.42382812,
        -0.17773438, -0.09765625,  0.10058594,  0.04150391, -0.28125   ,
         0.13378906, -0.05322266, -0.04418945,  0.12304688,  0.06884766,
         0.00352478, -0.15625   ,  0.02246094,  0.29296875, -0.07177734,
        -0.12011719,  0.12011719,  0.07568359,  0.06787109, -0.0703125 ,
         0.0112915 , -0.16015625, -0.15234375, -0.07958984, -0.35742188,
        -0.29101562, -0.02600098,  0.30664062,  0.07128906,  0.23339844,
         0.01013184, -0.10839844,  0.06640625, -0.03125   ,  0.14453125,
        -0.16015625, -0.09716797, -0.41015625, -0.19140625, -0.12207031,
        -0.34375   ,  0.28320312, -0.12402344, -0.01391602,  0.00268555,
        -0.16503906,  0.03125   , -0.1484375 ,  0.13964844,  0.21191406,
         0.03686523,  0.32226562,  0.05834961,  0.21191406,  0.12792969,
         0.09228516,  0.37304688, -0.22167969,  0.08349609,  0.0100708 ,
        -0.00279236,  0.05297852, -0.38085938, -0.29296875, -0.078125  ,
         0.27929688, -0.03271484,  0.06640625,  0.00445557, -0.54296875,
        -0.4609375 ,  0.08935547, -0.00466919, -0.03564453,  0.30664062,
        -0.015625  , -0.08496094, -0.08935547, -0.07617188,  0.11083984,
         0.07275391, -0.0213623 , -0.41210938, -0.04248047, -0.16992188,
        -0.17089844, -0.03198242,  0.00202942, -0.02587891, -0.24609375,
        -0.23535156,  0.06054688, -0.25976562,  0.16601562, -0.12304688,
         0.05981445,  0.00332642, -0.00543213, -0.14160156, -0.07910156,
        -0.12695312,  0.16015625, -0.06787109, -0.08691406, -0.22558594,
        -0.28320312,  0.05249023, -0.06030273, -0.13964844,  0.06738281,
        -0.17285156,  0.0612793 , -0.13574219, -0.01989746,  0.13964844,
        -0.14941406, -0.12158203, -0.1953125 , -0.01031494, -0.02783203,
        -0.18554688,  0.21972656,  0.04833984, -0.328125  ,  0.04321289,
        -0.11621094,  0.01855469, -0.11621094, -0.09667969, -0.09423828,
         0.07958984, -0.12353516, -0.1484375 , -0.05444336,  0.234375  ,
         0.13476562,  0.02648926,  0.05224609,  0.12890625,  0.04760742,
        -0.01013184, -0.11572266, -0.22265625,  0.04418945, -0.04248047,
        -0.15625   ,  0.265625  ,  0.02978516, -0.04736328,  0.05615234,
         0.171875  , -0.01013184, -0.19433594,  0.14160156, -0.20898438,
        -0.05175781, -0.125     , -0.04345703,  0.3828125 ,  0.17089844,
        -0.44140625,  0.17773438,  0.1328125 , -0.12451172, -0.07519531,
         0.05615234, -0.17480469, -0.06103516,  0.3359375 ,  0.1484375 ,
         0.05175781, -0.06225586,  0.11865234, -0.14355469, -0.12597656,
        -0.03393555, -0.13574219, -0.05419922,  0.24804688,  0.10107422,
        -0.06884766,  0.26367188, -0.08789062, -0.17089844,  0.1640625 ,
         0.27539062,  0.22558594,  0.33007812,  0.05712891, -0.08154297,
         0.05297852, -0.06054688, -0.16699219,  0.08837891,  0.15820312,
        -0.18164062,  0.0859375 , -0.25585938, -0.39257812, -0.26757812,
        -0.15039062,  0.26367188, -0.01818848, -0.2578125 ,  0.05151367],
       dtype=float32),
 'master': array([-5.07812500e-02, -1.19628906e-02,  2.50244141e-02,  8.789
06250e-02,
         8.64257812e-02,  8.20312500e-02,  1.14257812e-01, -1.44531250e-01,
        -5.37109375e-02, -5.05371094e-02,  6.22558594e-02, -3.39355469e-02,
        -2.37304688e-01, -2.25585938e-01, -6.29882812e-02,  2.59765625e-01,
         2.40478516e-02,  3.97949219e-02,  1.02539062e-01, -1.99218750e-01,
        -3.26538086e-03,  3.98437500e-01,  7.47070312e-02,  2.88085938e-02,
         2.32421875e-01, -1.67236328e-02,  1.55273438e-01, -8.98437500e-02,
        -1.44531250e-01,  4.41894531e-02,  2.29492188e-01,  2.89062500e-01,
        -8.10546875e-02, -8.59375000e-02,  9.32617188e-02, -7.81250000e-02,
         2.75390625e-01, -1.10626221e-04,  1.28173828e-02, -1.49414062e-01,
         1.26953125e-01, -2.81982422e-02,  8.00781250e-02,  3.47656250e-01,
```

```
 3.63769531e-02, -1.19628906e-01, -6.39648438e-02, -1.10473633e-02,
 1.39160156e-02,  1.62109375e-01, -2.96875000e-01,  2.27539062e-01,
-6.00585938e-02, -2.40234375e-01, -1.73339844e-02, -6.98242188e-02,
-1.34765625e-01, -5.03906250e-01,  1.08398438e-01,  1.21582031e-01,
 2.32421875e-01,  2.83203125e-01,  1.24511719e-01, -3.12500000e-01,
 8.00781250e-02, -4.19921875e-02,  3.31115723e-03, -8.54492188e-02,
-2.23632812e-01, -1.90429688e-02,  7.56835938e-02,  1.26953125e-01,
 4.47265625e-01, -7.08007812e-02, -7.11059570e-03, -1.94091797e-02,
-1.37695312e-01,  1.60156250e-01, -1.32446289e-02, -9.17968750e-02,
 5.07812500e-02,  1.31835938e-01,  6.34765625e-02,  1.10839844e-01,
 3.02734375e-01, -3.34472656e-02, -1.47460938e-01, -4.78515625e-02,
 1.80664062e-01,  1.42578125e-01, -2.36328125e-01, -9.96093750e-02,
-2.26562500e-01, -3.08227539e-03,  1.54296875e-01, -2.18505859e-02,
-1.35742188e-01, -1.80664062e-01, -1.94335938e-01, -9.96093750e-02,
-2.31933594e-02, -4.39453125e-02, -1.94335938e-01, -2.17773438e-01,
-9.27734375e-02, -1.93359375e-01, -6.68945312e-02,  1.94335938e-01,
 4.02832031e-02, -2.81982422e-02, -7.71484375e-02,  3.16406250e-01,
-5.71289062e-02,  2.86865234e-03,  1.16210938e-01,  1.81640625e-01,
-2.98828125e-01, -2.59765625e-01,  1.30859375e-01, -1.05468750e-01,
-2.79296875e-01, -7.56835938e-02,  4.58984375e-02, -5.37109375e-03,
 1.17675781e-01, -1.03027344e-01,  1.41601562e-02, -1.39648438e-01,
 1.77734375e-01,  1.11328125e-01,  6.54296875e-02,  1.17187500e-01,
-9.03320312e-02, -6.05468750e-02,  1.83593750e-01,  8.49609375e-02,
 1.22070312e-02,  1.65039062e-01,  3.17382812e-02,  2.28515625e-01,
-1.36108398e-02, -1.07421875e-01, -2.39257812e-01, -1.37939453e-02,
-1.73339844e-02, -4.69970703e-03, -1.78710938e-01,  2.69531250e-01,
 5.27343750e-02,  1.31835938e-01,  2.85156250e-01,  1.55273438e-01,
-4.98046875e-02,  2.89062500e-01, -1.96289062e-01, -8.74023438e-02,
 6.05468750e-02, -1.86767578e-02, -7.42187500e-02, -3.81469727e-03,
 1.03027344e-01, -6.49414062e-02, -1.06811523e-02,  9.27734375e-02,
-3.86718750e-01,  2.21679688e-01,  4.12109375e-01, -2.61718750e-01,
 4.63867188e-02, -1.54296875e-01, -9.47265625e-02, -3.39355469e-02,
-1.61132812e-01,  1.21093750e-01,  2.63671875e-01,  2.22167969e-02,
 1.89208984e-03, -2.38281250e-01, -1.10351562e-01, -2.18750000e-01,
 4.83398438e-02, -2.55859375e-01, -1.24023438e-01, -2.41699219e-02,
 4.68750000e-02,  1.22558594e-01,  2.30468750e-01, -1.45507812e-01,
 2.18750000e-01,  9.76562500e-02,  9.96093750e-02,  2.34375000e-01,
 4.90722656e-02, -2.83813477e-03, -9.86328125e-02, -1.01562500e-01,
 6.64062500e-02, -1.53320312e-01, -1.18164062e-01, -3.02734375e-02,
-4.10156250e-02, -6.93359375e-02,  1.43554688e-01, -1.45507812e-01,
-6.93359375e-02, -1.04003906e-01, -8.64257812e-02, -8.10546875e-02,
 1.68945312e-01,  1.54296875e-01,  8.17871094e-03, -1.75781250e-02,
-5.95703125e-02, -7.81250000e-02,  8.25195312e-02, -5.66406250e-02,
-8.10546875e-02,  4.24194336e-03,  1.37329102e-02,  9.42382812e-02,
 5.17578125e-02,  1.68457031e-02, -1.01562500e-01, -3.71093750e-01,
 1.41601562e-01, -1.07421875e-01,  1.26953125e-01,  5.06591797e-03,
-9.27734375e-02, -8.49609375e-02,  1.72119141e-02, -1.27929688e-01,
-1.93359375e-01,  7.42187500e-02,  2.04101562e-01,  1.16210938e-01,
 4.53125000e-01, -2.94921875e-01, -7.95898438e-02,  4.88281250e-03,
 1.30859375e-01, -6.98242188e-02,  1.09375000e-01, -1.11083984e-02,
 5.07812500e-02, -2.23632812e-01, -3.93066406e-02, -6.98242188e-02,
 7.76367188e-02, -7.86132812e-02, -7.51953125e-02,  2.32421875e-01,
-4.44335938e-02, -3.61328125e-02,  9.13085938e-02,  1.55273438e-01,
-1.53320312e-01, -1.50390625e-01, -3.86718750e-01, -2.29492188e-02,
 6.12792969e-02, -4.71191406e-02, -1.34887695e-02, -3.66210938e-02,
 1.32446289e-02,  5.12695312e-02,  3.12500000e-02, -8.15429688e-02,
-6.98242188e-02, -1.36718750e-01, -4.27246094e-02, -2.34375000e-01,
-5.46875000e-02,  4.39453125e-02,  1.19628906e-01,  1.25976562e-01,
-2.85156250e-01, -1.19140625e-01, -2.37304688e-01, -2.91442871e-03,
 1.33789062e-01,  4.61425781e-02,  1.18652344e-01, -2.50244141e-02,
 1.94335938e-01,  1.45507812e-01, -9.03320312e-02, -1.79687500e-01,
 2.16796875e-01,  1.46484375e-01, -2.04101562e-01,  9.71679688e-02,
-9.47265625e-02, -9.81445312e-02, -1.43432617e-02, -1.58203125e-01,
-1.51367188e-01,  2.02636719e-02, -1.37939453e-02,  9.52148438e-0
```

```
2],
       dtype=float32),
 'degree': array([ 3.58886719e-02, -1.06445312e-01, -1.60156250e-01,  1.914
06250e-01,
         3.88183594e-02,  1.04980469e-01,  4.16015625e-01, -5.31250000e-01,
         3.29589844e-03, -2.04101562e-01,  8.49609375e-02, -1.25976562e-01,
        -1.61132812e-01, -2.75878906e-02, -2.96875000e-01,  1.04492188e-01,
         6.79016113e-04, -1.57226562e-01,  8.20312500e-02, -3.43750000e-01,
        -1.55273438e-01, -2.51464844e-02, -2.03132629e-04, -3.45703125e-01,
         5.73730469e-02, -3.02734375e-01, -2.50000000e-01,  3.16406250e-01,
        -1.43554688e-01,  2.13867188e-01,  2.53906250e-01,  1.05468750e-01,
        -8.69140625e-02, -2.51953125e-01, -1.43554688e-01,  8.25195312e-02,
         3.69140625e-01, -1.11328125e-01, -1.39648438e-01,  1.72851562e-01,
         1.13281250e-01,  1.86767578e-02, -1.17187500e-01,  2.39257812e-01,
        -3.43750000e-01, -4.34570312e-02,  1.34765625e-01,  9.17968750e-02,
        -1.37695312e-01, -2.19726562e-02, -2.17773438e-01,  7.22656250e-02,
         9.08203125e-02, -1.05957031e-01,  9.76562500e-02,  5.37109375e-03,
        -5.90820312e-02, -2.51953125e-01,  3.73535156e-02, -1.40625000e-01,
         3.32031250e-02, -3.93066406e-02, -8.15429688e-02, -2.77343750e-01,
        -2.28271484e-02, -4.37011719e-02,  1.96533203e-02, -9.71679688e-02,
        -3.65234375e-01, -1.57226562e-01, -1.40625000e-01, -8.10546875e-02,
         8.64257812e-02, -5.68847656e-02, -1.17675781e-01, -1.58203125e-01,
         3.96484375e-01,  1.47460938e-01,  1.09863281e-01,  1.28906250e-01,
        -1.30859375e-01,  4.83398438e-02,  7.61718750e-02, -1.25976562e-01,
        -1.02050781e-01, -2.56347656e-02,  2.06298828e-02,  3.04687500e-01,
         9.39941406e-03,  1.07421875e-01, -1.52343750e-01, -3.47656250e-01,
        -5.11718750e-01,  1.15203857e-03,  4.83398438e-02,  6.39648438e-02,
         1.18652344e-01, -1.90429688e-02,  1.52343750e-01, -1.43554688e-01,
         2.05078125e-01, -2.18750000e-01, -4.00390625e-01, -5.07812500e-01,
         1.07910156e-01, -6.22558594e-02, -1.58203125e-01, -1.67236328e-02,
         2.83203125e-01, -4.23828125e-01,  5.22460938e-02,  3.32031250e-01,
        -7.37304688e-02,  1.11328125e-01, -9.71679688e-02,  1.85546875e-01,
         3.34472656e-02,  1.64062500e-01, -1.68945312e-01,  2.30468750e-01,
        -2.44140625e-01,  1.68945312e-01, -1.78710938e-01,  1.19628906e-01,
        -2.06054688e-01, -6.29882812e-02,  1.94335938e-01, -8.05664062e-02,
         1.39648438e-01,  3.65234375e-01,  1.09863281e-01, -2.12402344e-02,
         8.78906250e-02, -3.12500000e-01, -7.71484375e-02, -3.36914062e-02,
         1.04003906e-01,  1.38671875e-01, -6.00585938e-02, -1.36718750e-01,
        -3.32031250e-01,  1.38671875e-01, -1.41601562e-01,  6.78710938e-02,
        -8.30078125e-02,  4.33593750e-01, -1.77001953e-02,  1.37695312e-01,
        -5.32226562e-02,  1.98242188e-01,  3.76953125e-01,  1.88476562e-01,
         1.02050781e-01,  2.81250000e-01, -2.53906250e-02, -4.43359375e-01,
        -2.32421875e-01,  7.08007812e-02,  6.07910156e-02,  1.01074219e-01,
         4.37011719e-02, -8.11767578e-03, -1.43554688e-01, -4.57763672e-03,
        -1.16699219e-01,  1.68945312e-01, -7.91015625e-02, -5.12695312e-02,
        -3.49121094e-02, -6.54296875e-02, -1.64062500e-01, -4.76074219e-02,
        -1.67968750e-01,  1.73339844e-02, -1.42578125e-01,  1.27929688e-01,
        -2.56347656e-02, -3.41796875e-02, -2.33398438e-01, -1.97265625e-01,
        -1.99218750e-01,  1.76757812e-01, -1.64031982e-04, -2.87109375e-01,
        -4.61425781e-02, -1.64062500e-01,  6.98242188e-02, -3.16406250e-01,
        -4.15039062e-02,  8.49609375e-02,  2.32421875e-01,  3.14453125e-01,
        -1.98974609e-02,  1.67968750e-01, -2.44140625e-01,  1.63085938e-01,
        -2.27050781e-02, -1.34765625e-01,  2.73437500e-01,  3.73535156e-02,
        -8.44726562e-02,  5.66406250e-02,  1.77734375e-01,  7.42187500e-02,
        -1.13281250e-01,  2.03857422e-02, -2.45117188e-01, -8.44726562e-02,
         1.66992188e-01, -6.03027344e-02,  7.56835938e-02,  9.71679688e-02,
        -1.25122070e-02,  2.75390625e-01, -9.57031250e-02, -1.37695312e-01,
        -2.81250000e-01, -2.11914062e-01, -4.27246094e-02, -1.16210938e-01,
         7.71484375e-02, -3.22265625e-01, -2.95410156e-02, -2.67578125e-01,
         2.21679688e-01, -3.02734375e-02,  2.16796875e-01, -6.44531250e-02,
        -5.93261719e-02,  4.44335938e-02, -1.39648438e-01,  8.00781250e-02,
         2.07031250e-01, -4.49218750e-02, -1.07910156e-01,  1.27929688e-01,
        -5.54199219e-02,  1.27929688e-01,  6.05468750e-02,  4.16015625e-01,
         1.00585938e-01,  2.17773438e-01,  1.38671875e-01, -2.50000000e-01,
```

```
        -2.24609375e-01, -2.25585938e-01, -1.79687500e-01, -1.52343750e-01,
        -1.26953125e-01, -1.81884766e-02,  8.78906250e-02,  1.00585938e-01,
        -1.40625000e-01, -4.85839844e-02, -1.66992188e-01, -2.84423828e-02,
         1.96289062e-01,  2.73437500e-01, -4.00390625e-01,  1.08398438e-01,
         1.95312500e-01, -2.24609375e-01,  4.15039062e-03,  2.13623047e-03,
        -7.47070312e-02,  2.44140625e-01,  2.69531250e-01, -2.44140625e-01,
         2.31933594e-02, -1.95312500e-01, -1.92382812e-01, -1.09375000e-01,
         1.47460938e-01,  1.75781250e-01,  4.12597656e-02, -5.41992188e-02,
        -7.12890625e-02, -2.11914062e-01, -2.24609375e-01,  1.41601562e-01,
         1.47460938e-01, -1.30859375e-01,  1.04980469e-01,  7.61718750e-02,
        -2.67578125e-01,  1.09252930e-02,  7.47070312e-02,  6.25000000e-02,
        -2.81250000e-01,  1.46484375e-01, -4.31640625e-01,  1.69921875e-01,
        -1.90429688e-01, -1.42822266e-02,  1.57226562e-01, -7.71484375e-02,
         1.03027344e-01,  1.04980469e-02,  2.14843750e-01,  7.86132812e-0
2],
       dtype=float32),
 'special': array([-0.0559082 ,  0.05297852, -0.02819824,  0.11816406, -0.2
6757812,
         0.02270508,  0.05126953, -0.06542969, -0.04370117, -0.14550781,
        -0.0016098 , -0.03125   ,  0.20996094,  0.02514648, -0.3046875 ,
         0.11865234,  0.04516602,  0.12060547,  0.08056641,  0.13378906,
         0.0291748 , -0.04980469, -0.09472656,  0.05102539,  0.10205078,
        -0.02404785,  0.14453125, -0.09423828, -0.0625    ,  0.00491333,
        -0.17089844,  0.05908203,  0.07324219,  0.05566406,  0.07617188,
        -0.35742188,  0.07958984, -0.11572266, -0.08642578, -0.08642578,
         0.13378906,  0.12109375,  0.21679688,  0.02099609,  0.15039062,
        -0.18847656,  0.10546875,  0.07861328,  0.04541016, -0.04394531,
        -0.03417969,  0.11328125,  0.10791016,  0.25390625, -0.22949219,
         0.05566406, -0.06542969, -0.0559082 ,  0.08984375, -0.08203125,
        -0.171875  ,  0.23046875,  0.01831055, -0.07275391,  0.07910156,
        -0.21386719, -0.04736328, -0.09326172,  0.00558472, -0.00276184,
         0.1328125 , -0.03344727,  0.02758789,  0.203125  , -0.0324707 ,
         0.00234985,  0.23046875,  0.18457031, -0.04931641,  0.13867188,
         0.02746582, -0.11572266, -0.12451172,  0.05224609, -0.04272461,
        -0.37109375, -0.11425781, -0.01977539, -0.06298828,  0.25195312,
         0.10351562,  0.12304688, -0.06298828,  0.02490234,  0.125     ,
        -0.00107574,  0.21972656,  0.01904297, -0.00695801, -0.06884766,
         0.07519531,  0.10302734,  0.09472656, -0.08056641, -0.10888672,
         0.07714844,  0.09863281, -0.13476562,  0.06542969, -0.14550781,
         0.02478027, -0.05151367, -0.17675781,  0.06787109,  0.24707031,
        -0.0378418 ,  0.04711914, -0.04174805,  0.09472656, -0.05224609,
        -0.07910156, -0.07324219, -0.03662109,  0.15527344, -0.06445312,
         0.14257812,  0.23144531,  0.01843262,  0.234375  , -0.05664062,
         0.05639648, -0.05981445, -0.10449219, -0.08886719,  0.1875    ,
         0.02929688,  0.02246094, -0.00115967,  0.02978516,  0.02490234,
        -0.00946045,  0.04980469,  0.07666016, -0.19628906,  0.05883789,
        -0.15625   , -0.01300049,  0.14648438, -0.13378906, -0.03833008,
         0.13183594,  0.20800781, -0.09033203,  0.1015625 , -0.04345703,
        -0.24414062,  0.08642578, -0.06640625, -0.06396484, -0.06835938,
        -0.11132812, -0.05200195, -0.00118256,  0.17773438,  0.16894531,
         0.03295898,  0.15234375, -0.06738281,  0.06225586,  0.02575684,
        -0.15039062, -0.08789062, -0.00588989, -0.16210938, -0.09326172,
         0.04638672,  0.04931641,  0.03222656, -0.109375  , -0.078125  ,
        -0.00735474, -0.09277344,  0.01403809,  0.06835938, -0.06689453,
        -0.02880859,  0.17382812, -0.09228516,  0.296875  ,  0.02575684,
        -0.16503906,  0.13476562,  0.05932617, -0.13476562,  0.06640625,
         0.00408936,  0.13964844, -0.13476562, -0.12304688,  0.04443359,
        -0.05981445,  0.12890625,  0.03222656, -0.01531982,  0.01635742,
        -0.19042969, -0.13671875,  0.15332031,  0.10449219,  0.09423828,
        -0.140625  ,  0.09277344,  0.06591797, -0.17578125,  0.1953125 ,
        -0.06347656,  0.45703125, -0.1015625 , -0.09619141, -0.16503906,
         0.05786133, -0.0300293 , -0.04931641, -0.1484375 , -0.08056641,
        -0.01544189, -0.0234375 ,  0.11962891,  0.08300781,  0.09179688,
        -0.04321289, -0.0133667 , -0.03063965,  0.26757812, -0.00640869,
```

```
         0.05444336, -0.08789062, -0.28125   ,  0.03039551, -0.00817871,
         0.24511719, -0.14941406,  0.05053711,  0.06445312,  0.09179688,
         0.09423828, -0.03173828, -0.11621094,  0.08300781, -0.18164062,
        -0.06298828,  0.13476562,  0.01330566, -0.08007812,  0.13671875,
         0.06176758,  0.04296875, -0.12402344,  0.0402832 ,  0.1171875 ,
         0.01263428, -0.02648926, -0.203125  , -0.22265625,  0.0625    ,
         0.05126953,  0.11083984,  0.17285156, -0.39453125, -0.00386047,
         0.1640625 ,  0.0090332 , -0.17089844,  0.109375  ,  0.33984375,
        -0.22753906,  0.28515625, -0.31445312, -0.1484375 , -0.10595703,
        -0.10205078, -0.0612793 , -0.04858398,  0.06201172, -0.01867676,
         0.04394531, -0.25      , -0.05615234,  0.20214844, -0.2578125 ,
         0.20605469, -0.16015625, -0.03222656,  0.16210938,  0.01116943,
        -0.07128906, -0.09912109, -0.04125977, -0.04663086, -0.10742188],
       dtype=float32),
 'another': array([ 1.94335938e-01, -1.96533203e-02,  9.17968750e-02,  1.04
492188e-01,
        -7.17773438e-02, -1.23901367e-02, -5.02929688e-02, -6.88476562e-02,
         5.22613525e-04,  1.29882812e-01,  1.67083740e-03, -1.27929688e-01,
        -3.73535156e-02,  3.24707031e-02, -6.88476562e-02,  3.68652344e-02,
        -1.17797852e-02, -9.47265625e-02,  9.57031250e-02, -4.66308594e-02,
         3.90625000e-02,  1.33789062e-01, -2.12402344e-02, -6.49414062e-02,
         6.39648438e-02, -2.28271484e-02, -6.34765625e-02,  1.03027344e-01,
        -4.71115112e-04,  1.92382812e-01, -6.64062500e-02,  9.03320312e-02,
         5.63964844e-02, -3.05175781e-02, -2.01171875e-01, -1.24511719e-02,
         1.30004883e-02,  3.12500000e-02,  5.27954102e-03, -8.59375000e-02,
         6.17675781e-02, -1.31835938e-01,  1.74804688e-01, -3.44238281e-02,
         6.49414062e-02,  9.03320312e-02,  1.95312500e-01,  1.85546875e-01,
         1.02539062e-01, -7.71484375e-02,  6.73828125e-02,  1.25976562e-01,
         9.42382812e-02,  5.61523438e-02, -8.44726562e-02,  2.65502930e-03,
         3.19824219e-02, -5.12695312e-03,  9.52148438e-02, -7.56835938e-02,
        -4.17480469e-02,  6.83593750e-02, -5.37109375e-03, -1.54418945e-02,
        -1.12792969e-01,  4.95605469e-02,  8.49609375e-02, -5.41992188e-02,
        -8.74023438e-02,  2.04101562e-01, -5.41992188e-02,  8.05664062e-02,
         1.73828125e-01,  8.36181641e-03, -4.07714844e-02, -3.63159180e-03,
        -6.20117188e-02,  1.24023438e-01,  1.04003906e-01,  1.55273438e-01,
         1.57226562e-01, -7.86132812e-02,  7.32421875e-02,  4.27246094e-02,
         4.17480469e-02, -5.32226562e-02,  2.72216797e-02,  2.36328125e-01,
         1.76239014e-03,  5.00488281e-03,  5.17578125e-02,  1.13525391e-02,
        -7.66601562e-02, -1.77734375e-01, -9.03320312e-02, -1.08398438e-01,
         1.38671875e-01,  1.38671875e-01, -2.09960938e-01,  5.98144531e-02,
        -7.86132812e-02, -6.49414062e-02,  3.49121094e-02, -9.27734375e-02,
        -3.85742188e-02, -1.26342773e-02,  9.66796875e-02, -1.92382812e-01,
         2.47802734e-02, -8.74023438e-02, -9.08203125e-02, -1.96456909e-04,
         1.04492188e-01,  2.18505859e-02,  1.91650391e-02,  1.17675781e-01,
         7.42187500e-02,  2.76184082e-03,  2.53906250e-01,  1.18652344e-01,
        -1.00097656e-01, -1.53320312e-01, -1.40625000e-01,  1.03149414e-02,
        -3.97949219e-02,  1.07421875e-01,  7.71484375e-02, -2.25830078e-02,
         2.60009766e-02,  1.81640625e-01, -9.86328125e-02,  1.77001953e-02,
        -1.47460938e-01,  1.59912109e-02,  4.19921875e-02, -1.08398438e-01,
         2.33459473e-03, -1.37695312e-01, -1.26953125e-01,  2.51953125e-01,
         1.21093750e-01, -1.97265625e-01,  7.08007812e-02,  1.66015625e-02,
         1.12792969e-01, -2.73437500e-02, -1.70898438e-01, -3.66210938e-02,
         3.58886719e-02, -2.92968750e-02,  1.58691406e-02, -1.10351562e-01,
        -1.44531250e-01,  8.00781250e-02,  7.56835938e-03,  9.66796875e-02,
         3.02734375e-02, -9.27734375e-02, -4.27246094e-02, -1.61132812e-01,
        -1.99218750e-01,  2.09960938e-02,  8.23974609e-03, -1.01928711e-02,
        -1.80664062e-02, -5.15136719e-02,  2.91015625e-01, -1.15234375e-01,
        -8.83789062e-02,  1.10839844e-01, -2.64892578e-02, -1.85546875e-01,
         4.71191406e-02, -1.50390625e-01,  8.59375000e-02, -5.68847656e-02,
         1.24511719e-01, -2.97851562e-02, -2.28271484e-02,  6.10351562e-02,
         5.83496094e-02, -5.59082031e-02, -1.40625000e-01,  4.41894531e-02,
        -1.23535156e-01,  1.13769531e-01, -1.47094727e-02,  1.01562500e-01,
         1.99218750e-01, -2.13623047e-02,  1.54418945e-02,  6.29882812e-02,
         1.92871094e-02,  9.96093750e-02,  2.63977051e-03,  2.54821777e-03,
```

```
        -9.22851562e-02,  5.20019531e-02, -1.96289062e-01,  1.54113770e-03,
         2.28271484e-02,  4.37011719e-02,  1.53198242e-02,  4.22363281e-02,
        -1.11083984e-02,  8.83789062e-02, -2.62451172e-02,  3.36914062e-02,
         2.46093750e-01, -3.66210938e-02, -2.28271484e-02,  7.27539062e-02,
        -6.34765625e-02,  1.07910156e-01, -1.01074219e-01, -2.27355957e-03,
         7.56835938e-02, -8.34960938e-02, -9.32617188e-02,  6.68945312e-02,
        -3.88183594e-02,  9.57031250e-02, -9.61914062e-02, -5.56640625e-02,
         1.62109375e-01, -1.73339844e-02,  8.39843750e-02,  1.17187500e-01,
         5.40161133e-03,  2.00195312e-02, -2.51953125e-01, -7.23266602e-03,
         7.61718750e-02,  6.83593750e-02,  3.03955078e-02, -1.66015625e-01,
        -2.19726562e-03,  3.24707031e-02, -1.40380859e-02, -1.19018555e-03,
        -1.48925781e-02, -4.32128906e-02, -2.83813477e-03, -1.12792969e-01,
        -4.58984375e-02, -1.81884766e-02,  1.19140625e-01, -2.86865234e-02,
         1.28906250e-01, -8.30078125e-02, -5.71289062e-02, -3.83300781e-02,
         6.39648438e-02,  2.14843750e-02,  6.31713867e-03,  1.61132812e-02,
         2.20703125e-01,  8.64257812e-02, -6.54296875e-02, -5.05371094e-02,
        -9.88769531e-03,  5.46875000e-02, -2.31445312e-01,  1.40991211e-02,
         6.88476562e-02,  1.17675781e-01,  4.49218750e-02,  7.03125000e-02,
        -1.01562500e-01,  1.11328125e-01,  1.26953125e-01, -2.92968750e-02,
        -2.18200684e-03, -1.15234375e-01,  2.61230469e-02, -1.25732422e-02,
        -1.26953125e-01, -1.80664062e-01,  4.02832031e-02, -3.46679688e-02,
        -6.12792969e-02,  2.52685547e-02, -3.29589844e-02,  1.38671875e-01,
        -7.03125000e-02,  1.34277344e-02, -9.42382812e-02, -5.51757812e-02,
         4.21524048e-04, -3.29589844e-02,  1.92871094e-02,  7.81250000e-02,
        -5.21850586e-03,  5.20019531e-02,  2.23388672e-02,  6.53076172e-03,
        -4.37011719e-02, -7.42187500e-02,  6.59179688e-02, -7.61718750e-0
2],
       dtype=float32),
 'human': array([ 5.59082031e-02,  9.22851562e-02,  1.07910156e-01,  2.8320
3125e-01,
        -2.43164062e-01,  1.90429688e-02,  4.08203125e-01, -3.17382812e-02,
        -4.78515625e-02,  6.34765625e-02, -9.32617188e-02, -4.46777344e-02,
        -2.41210938e-01, -1.58203125e-01, -5.83496094e-02,  2.51953125e-01,
        -3.24707031e-02,  1.00097656e-01, -4.56542969e-02,  1.35742188e-01,
        -2.07031250e-01, -3.73046875e-01,  4.39453125e-02,  4.24804688e-02,
         6.93359375e-02, -2.42187500e-01, -2.75390625e-01,  1.95312500e-01,
         2.26562500e-01, -1.90429688e-01, -2.35351562e-01, -5.56640625e-02,
        -1.25000000e-01, -8.78906250e-02, -2.33398438e-01,  9.61914062e-02,
        -4.83398438e-02,  4.54101562e-02,  9.81445312e-02,  5.76171875e-02,
        -4.17480469e-02,  2.02148438e-01, -9.03320312e-02,  2.75390625e-01,
        -6.34765625e-02,  4.93164062e-02,  2.92968750e-02,  2.57812500e-01,
         1.32812500e-01,  7.42187500e-02,  6.64062500e-02, -1.37695312e-01,
        -1.73828125e-01,  1.89453125e-01, -1.88476562e-01, -4.34570312e-02,
         2.11181641e-02, -3.02734375e-01,  1.76757812e-01,  3.24218750e-01,
        -1.27563477e-02,  1.47094727e-02,  1.88476562e-01,  9.61914062e-02,
        -8.15429688e-02, -6.64062500e-02,  9.71679688e-02,  2.29492188e-01,
        -2.94921875e-01, -1.09375000e-01,  6.54296875e-02, -7.42187500e-02,
        -3.41796875e-03, -6.88476562e-02, -9.86328125e-02, -1.13769531e-01,
         1.03027344e-01,  1.39770508e-02, -7.08007812e-02, -1.81884766e-02,
         6.49414062e-02, -3.27148438e-02,  1.04980469e-01, -7.22656250e-02,
        -1.67236328e-02, -6.20117188e-02, -2.82287598e-03,  1.61132812e-01,
        -5.27343750e-02,  1.30859375e-01,  1.46484375e-01,  2.81982422e-02,
        -5.54199219e-02,  5.06591797e-03, -3.93066406e-02, -2.33154297e-02,
         1.16699219e-01,  9.52148438e-02,  9.08203125e-02, -6.22558594e-02,
        -1.24023438e-01,  2.44140625e-02,  1.90429688e-01, -5.49316406e-02,
         1.68945312e-01, -1.94091797e-02, -6.88476562e-02,  4.32128906e-02,
         1.00097656e-01,  1.70898438e-02, -1.87500000e-01, -5.43212891e-03,
         4.46777344e-02,  1.46484375e-01, -1.19018555e-03,  8.74023438e-02,
        -8.74023438e-02, -2.23388672e-02,  1.57226562e-01,  1.48437500e-01,
        -1.76757812e-01, -2.47070312e-01, -2.71484375e-01,  9.13085938e-02,
        -2.71484375e-01, -4.19921875e-02,  1.51367188e-01, -9.88769531e-03,
         2.14843750e-01,  3.86047363e-03, -1.08886719e-01, -1.00585938e-01,
        -3.80859375e-01,  8.00781250e-02,  8.83789062e-02, -2.06054688e-01,
         5.49316406e-02,  6.88476562e-02,  1.40625000e-01, -1.43554688e-01,
```

```
         9.61914062e-02, -3.46679688e-02, -1.42578125e-01,  2.44140625e-02,
        -6.29882812e-02,  1.03027344e-01, -3.12500000e-02,  2.57812500e-01,
         2.60009766e-02, -4.95605469e-02,  6.68945312e-02, -5.88378906e-02,
        -1.56250000e-01,  3.10546875e-01, -3.27148438e-02, -1.75781250e-01,
        -5.73730469e-02, -3.41796875e-01,  2.03125000e-01, -1.30859375e-01,
        -1.01074219e-01, -3.10546875e-01,  2.44140625e-03,  6.05468750e-02,
        -1.84570312e-01,  1.33056641e-02,  7.32421875e-02, -1.00097656e-01,
         1.89208984e-02, -8.44726562e-02,  4.02832031e-02,  1.11328125e-01,
         1.07421875e-01,  5.17578125e-02,  3.00781250e-01,  3.88183594e-02,
        -1.23046875e-01, -5.29785156e-02, -1.79687500e-01, -2.18750000e-01,
        -7.66601562e-02,  1.08886719e-01,  1.25976562e-01, -2.92968750e-01,
        -2.77343750e-01,  1.91650391e-02, -1.92382812e-01, -3.68652344e-02,
         1.68457031e-02,  3.16406250e-01, -1.59179688e-01,  1.20605469e-01,
        -1.60156250e-01,  1.04492188e-01, -1.49414062e-01, -6.73828125e-02,
         1.05468750e-01, -1.80664062e-01, -7.47070312e-02, -2.01171875e-01,
         1.47460938e-01,  1.66015625e-02, -1.40625000e-01, -2.79541016e-02,
        -1.60156250e-01, -4.24804688e-02, -1.20605469e-01, -7.08007812e-02,
        -3.51562500e-01, -2.61718750e-01, -3.49609375e-01,  3.08990479e-04,
        -1.45507812e-01, -8.93554688e-02, -3.49121094e-02,  6.83593750e-02,
         2.49023438e-01, -7.91015625e-02, -2.99072266e-02,  3.73535156e-02,
         2.39257812e-01,  9.08203125e-02,  1.87500000e-01, -2.81250000e-01,
         5.49316406e-02, -1.47460938e-01,  8.25195312e-02,  7.08007812e-02,
         8.10546875e-02,  8.74023438e-02,  3.59375000e-01,  1.09863281e-01,
         8.31604004e-04,  5.83496094e-02, -1.46484375e-01, -2.01171875e-01,
        -3.54003906e-02,  1.13281250e-01,  9.03320312e-02, -1.16210938e-01,
         2.98828125e-01, -4.85229492e-03, -4.22363281e-02, -1.48437500e-01,
         1.33789062e-01, -3.83300781e-02,  6.34765625e-02,  1.75781250e-01,
        -6.34765625e-02, -1.57226562e-01,  1.79443359e-02,  6.62231445e-03,
        -1.74560547e-02,  5.71289062e-02,  3.73535156e-02, -4.58984375e-01,
        -2.58789062e-02,  1.14746094e-01,  4.76074219e-02,  3.90625000e-02,
         8.74023438e-02, -7.27539062e-02, -1.14257812e-01,  5.71289062e-02,
        -1.17797852e-02,  3.83300781e-02,  6.63757324e-04, -1.22070312e-03,
        -1.38671875e-01,  1.10351562e-01, -1.01074219e-01,  6.98242188e-02,
        -1.66015625e-01, -2.00195312e-01, -1.25000000e-01, -6.93359375e-02,
        -1.54296875e-01,  1.09863281e-01,  3.27148438e-02,  4.83398438e-02,
        -9.42382812e-02,  8.98437500e-02,  1.14746094e-01, -4.66308594e-02,
        -6.29882812e-02,  1.50146484e-02, -1.55273438e-01, -1.20605469e-01,
         2.23632812e-01,  1.99218750e-01, -2.11914062e-01, -6.54296875e-02,
        -3.12500000e-01,  8.74023438e-02, -2.22656250e-01,  1.23046875e-01,
         4.76074219e-03, -7.12890625e-02,  1.62109375e-01,  9.13085938e-0
2],
       dtype=float32),
 'ability': array([ 2.38281250e-01,  1.25000000e-01, -5.66406250e-02,  5.00
488281e-02,
        -5.68847656e-02, -2.51464844e-02,  9.17968750e-02, -3.29589844e-02,
         9.27734375e-02, -1.00097656e-02, -1.90429688e-02, -2.09960938e-01,
        -1.48773193e-03, -1.13281250e-01, -2.10937500e-01, -5.71289062e-02,
        -8.15429688e-02,  3.30078125e-01,  2.19726562e-02, -9.52148438e-02,
        -2.07031250e-01, -2.26562500e-01, -2.77343750e-01,  3.78906250e-01,
         5.05371094e-02, -1.65039062e-01, -6.34765625e-02,  7.32421875e-02,
        -2.34375000e-01,  1.76757812e-01,  2.49023438e-01,  1.55273438e-01,
         2.40234375e-01, -3.14453125e-01,  1.07421875e-01,  3.57421875e-01,
        -1.21093750e-01,  9.17968750e-02, -6.93359375e-02, -2.09960938e-01,
        -1.37939453e-02, -7.12890625e-02,  1.20605469e-01,  1.98242188e-01,
        -2.68554688e-02, -7.91015625e-02,  1.47094727e-02, -1.50390625e-01,
        -1.07421875e-01, -2.11914062e-01, -2.20703125e-01,  6.73828125e-02,
        -1.12304688e-01, -2.06298828e-02,  1.43554688e-01,  1.73828125e-01,
        -1.04003906e-01, -1.80664062e-01,  8.83789062e-02,  1.81640625e-01,
         3.04687500e-01,  8.69140625e-02, -1.64062500e-01, -3.66210938e-02,
        -8.44726562e-02, -8.85009766e-03,  8.30078125e-02,  2.89062500e-01,
         1.10839844e-01, -3.66210938e-02,  2.64892578e-02, -2.34375000e-01,
        -3.05175781e-02, -7.12890625e-02, -1.60156250e-01, -2.81250000e-01,
         1.23046875e-01,  2.63671875e-01,  9.52148438e-02, -4.15039062e-02,
        -1.06048584e-03,  2.47070312e-01, -1.03515625e-01, -4.73632812e-02,
```

```
         6.07910156e-02, -7.42187500e-02, -2.01171875e-01,  2.63671875e-01,
        -1.11816406e-01,  3.49121094e-02,  4.34570312e-02, -3.75976562e-02,
        -2.20298767e-04, -1.30859375e-01,  1.76757812e-01, -2.04101562e-01,
        -1.94335938e-01,  2.41210938e-01,  1.42578125e-01,  1.47460938e-01,
         9.96093750e-02, -3.36914062e-02, -3.12500000e-02,  3.78417969e-02,
         6.73828125e-02,  6.20117188e-02, -1.18652344e-01,  8.00781250e-02,
         4.10156250e-02, -6.34765625e-03, -3.55468750e-01, -1.30859375e-01,
        -2.43164062e-01, -1.95312500e-02,  1.29882812e-01,  2.08984375e-01,
        -1.29882812e-01, -2.50244141e-02, -1.84631348e-03, -7.32421875e-02,
        -2.26562500e-01,  1.09375000e-01,  3.33984375e-01, -1.01928711e-02,
         1.63085938e-01, -3.39355469e-02, -2.40234375e-01, -7.47070312e-02,
        -1.25000000e-01, -6.46972656e-03, -6.34765625e-02,  1.02539062e-01,
        -1.18164062e-01,  3.46679688e-02, -9.70458984e-03, -3.41796875e-01,
         2.96875000e-01, -1.55273438e-01,  2.30468750e-01, -9.76562500e-02,
         1.27563477e-02, -2.04101562e-01,  6.00585938e-02,  1.69921875e-01,
         3.94531250e-01, -1.91650391e-02,  1.98242188e-01,  3.71093750e-02,
         1.58203125e-01,  2.37304688e-01,  9.96093750e-02,  2.05078125e-01,
         3.10058594e-02,  6.49414062e-02,  7.32421875e-02,  5.07812500e-02,
         6.10351562e-02,  9.03320312e-03, -2.83203125e-01, -6.29882812e-02,
         1.84570312e-01,  1.17187500e-01,  1.06933594e-01,  9.76562500e-02,
        -3.35937500e-01, -3.39843750e-01,  5.22460938e-02, -1.25976562e-01,
         1.05468750e-01,  4.27246094e-02,  2.83203125e-02,  1.00585938e-01,
         3.12500000e-02, -1.59179688e-01,  5.00488281e-03, -3.34472656e-02,
         3.61328125e-02, -2.16796875e-01, -2.50000000e-01, -1.85546875e-01,
        -1.54296875e-01,  1.44531250e-01,  1.98242188e-01, -2.77343750e-01,
        -2.69775391e-02, -1.13281250e-01,  2.13623047e-02, -1.66015625e-01,
         1.67968750e-01, -2.33154297e-02,  3.29589844e-02,  1.14746094e-02,
        -6.22558594e-02, -1.10351562e-01, -2.77099609e-02, -9.66796875e-02,
         1.33789062e-01,  1.47460938e-01,  4.07714844e-02, -3.08593750e-01,
        -1.14746094e-01,  3.12500000e-01, -3.75976562e-02, -1.21093750e-01,
         1.57226562e-01, -1.26953125e-01,  7.12890625e-02,  8.98437500e-02,
         5.88378906e-02,  7.27539062e-02, -3.22265625e-01,  4.63867188e-03,
        -2.10937500e-01,  1.74804688e-01,  5.61523438e-02, -8.25195312e-02,
         2.67578125e-01,  3.32031250e-02, -2.02148438e-01,  5.90820312e-02,
        -1.64062500e-01,  3.03955078e-02, -2.81250000e-01, -2.49023438e-01,
        -1.41601562e-01,  5.46875000e-02,  3.93066406e-02, -1.57226562e-01,
         7.42187500e-02, -3.01513672e-02, -6.01196289e-03,  1.38671875e-01,
         2.43164062e-01,  6.93359375e-02,  3.19824219e-02, -1.44531250e-01,
        -9.76562500e-03, -1.69921875e-01, -5.27343750e-02,  6.34765625e-02,
        -2.09960938e-01,  2.46582031e-02,  7.51953125e-02, -2.33398438e-01,
         1.56250000e-01,  4.10156250e-02, -7.42187500e-02, -1.37695312e-01,
         2.69531250e-01, -6.83593750e-02, -1.17187500e-02, -5.63964844e-02,
         1.48437500e-01,  1.84570312e-01,  7.04956055e-03, -2.35351562e-01,
         2.21679688e-01,  9.66796875e-02, -1.66015625e-01, -6.20117188e-02,
        -6.05468750e-02,  5.12695312e-03, -1.87500000e-01,  2.53906250e-01,
        -6.03027344e-02,  8.49609375e-02,  1.40625000e-01, -1.82617188e-01,
        -8.83789062e-02,  8.44726562e-02,  8.69140625e-02,  6.83593750e-02,
        -5.05371094e-02, -2.47802734e-02,  9.17968750e-02, -7.27539062e-02,
         1.80664062e-02, -7.99560547e-03, -8.83789062e-02,  1.28906250e-01,
         1.25122070e-02,  2.50000000e-01,  2.16796875e-01,  2.43164062e-01,
        -3.26171875e-01,  3.41796875e-03,  7.95898438e-02, -2.12402344e-02,
         1.22558594e-01,  1.76757812e-01, -1.44531250e-01,  1.73828125e-01,
        -1.72851562e-01, -2.51953125e-01, -1.36718750e-01,  2.42187500e-01,
         1.60156250e-01,  6.39648438e-02, -2.79296875e-01,  2.68554688e-0
2],
       dtype=float32),
 'demonstrate': array([-2.85156250e-01,  5.95092773e-03, -2.26562500e-01, -
2.03857422e-02,
         5.24902344e-02, -2.17285156e-02,  2.23632812e-01, -1.29882812e-01,
         3.90625000e-02,  1.03515625e-01, -4.35546875e-01, -5.39550781e-02,
         4.56542969e-02,  3.06640625e-01,  2.67333984e-02,  3.22265625e-02,
        -4.63867188e-02,  1.10839844e-01, -2.63671875e-01, -1.16210938e-01,
         3.97949219e-02, -1.26953125e-01, -1.22070312e-01,  5.88378906e-02,
        -4.07714844e-02, -2.21679688e-01, -3.90625000e-02, -5.71289062e-02,
```

```
 1.02050781e-01, -5.34667969e-02,  4.02832031e-02, -1.40625000e-01,
-1.55273438e-01,  3.76953125e-01, -5.22460938e-02,  1.33789062e-01,
 6.68945312e-02, -9.58251953e-03,  7.56835938e-02, -4.29687500e-02,
 4.71191406e-02,  1.20117188e-01,  1.51977539e-02,  1.75781250e-02,
-1.38671875e-01, -9.52148438e-02, -3.35937500e-01,  1.07421875e-01,
-5.88378906e-02,  1.20117188e-01,  5.51757812e-02,  1.13281250e-01,
-9.52148438e-02, -1.84570312e-01, -2.38037109e-02,  1.32812500e-01,
-2.41210938e-01, -2.63671875e-01,  7.91015625e-02,  5.27954102e-03,
 1.08886719e-01,  4.51660156e-02, -4.02832031e-02, -2.01171875e-01,
 7.32421875e-02, -1.04980469e-01, -7.42187500e-02,  3.57421875e-01,
 4.24804688e-02,  2.63977051e-03, -3.04687500e-01,  1.17187500e-01,
 2.21679688e-01, -1.44958496e-03,  2.24609375e-01, -1.45507812e-01,
 2.21679688e-01,  7.27539062e-02,  1.31835938e-01,  1.31835938e-01,
-2.68554688e-02, -2.56347656e-02, -1.16699219e-01, -2.08984375e-01,
 7.08007812e-02, -3.78417969e-02, -1.89453125e-01, -1.75781250e-02,
-1.84570312e-01,  1.98242188e-01, -2.78320312e-02, -2.89062500e-01,
-2.78472900e-04,  3.97949219e-02,  2.15820312e-01, -1.84570312e-01,
 1.62109375e-01, -8.85009766e-03, -2.61230469e-02, -5.88378906e-02,
 7.37304688e-02, -2.63671875e-01,  8.54492188e-02,  2.44140625e-01,
-2.39257812e-02, -9.17968750e-02,  2.85644531e-02, -1.50390625e-01,
 1.72851562e-01,  7.71484375e-02, -2.77099609e-02, -1.55273438e-01,
-6.03027344e-02,  2.03125000e-01, -7.27539062e-02, -5.22460938e-02,
 3.75976562e-02, -5.56640625e-02,  1.39160156e-02, -1.39648438e-01,
 1.85546875e-01, -2.19726562e-01,  7.81250000e-02, -1.53320312e-01,
 1.50390625e-01,  1.00097656e-01, -1.45507812e-01, -5.37109375e-02,
 8.78906250e-02, -1.23046875e-01,  2.17773438e-01, -1.33789062e-01,
 3.46679688e-02, -5.32226562e-02,  3.00781250e-01,  4.05883789e-03,
 3.02734375e-01,  6.07910156e-02,  7.56835938e-02, -4.63867188e-02,
-2.02148438e-01,  4.63867188e-02, -1.36718750e-01, -4.66308594e-02,
-1.38671875e-01,  1.47460938e-01,  8.81195068e-04, -1.58203125e-01,
 1.31835938e-02,  5.98144531e-02,  1.06933594e-01, -3.56445312e-02,
 1.40625000e-01,  3.14941406e-02, -1.92382812e-01,  6.54296875e-02,
-1.30004883e-02, -8.59375000e-02, -2.53906250e-01, -3.46679688e-02,
 5.66406250e-02,  1.16210938e-01, -2.81250000e-01, -2.57812500e-01,
 1.15234375e-01, -6.25000000e-02,  1.48437500e-01, -1.16699219e-01,
 1.31835938e-01, -5.59082031e-02, -6.83593750e-03, -1.10351562e-01,
 4.10156250e-02, -1.09863281e-02,  8.69140625e-02, -5.22460938e-02,
 6.49414062e-02,  5.95703125e-02, -3.54003906e-02, -1.34765625e-01,
-1.20117188e-01,  7.29370117e-03,  6.59179688e-02, -3.51562500e-02,
-1.55273438e-01,  5.29785156e-02, -1.24511719e-01, -2.94921875e-01,
-1.24511719e-01, -1.22558594e-01, -3.59375000e-01, -2.99072266e-02,
 1.75781250e-01, -1.39648438e-01, -6.59179688e-02, -1.92382812e-01,
 2.35351562e-01, -2.08007812e-01, -3.68652344e-02, -1.46484375e-01,
-5.32226562e-02, -2.14843750e-02, -1.09863281e-01,  2.33154297e-02,
-3.63281250e-01,  1.22558594e-01, -1.36718750e-02,  7.71484375e-02,
-4.88281250e-02, -8.59375000e-02, -8.74023438e-02,  2.91015625e-01,
-2.73437500e-01, -3.90625000e-03, -2.67578125e-01, -1.96289062e-01,
 2.43164062e-01, -1.91650391e-02, -5.02929688e-02, -3.14941406e-02,
-2.55584717e-04, -4.73632812e-02, -1.03515625e-01,  5.44433594e-02,
 2.30712891e-02,  1.40625000e-01,  4.95605469e-02,  1.38671875e-01,
 2.46093750e-01, -4.14062500e-01, -2.75878906e-02,  4.00390625e-02,
 1.55273438e-01,  2.51464844e-02,  1.20605469e-01, -2.68554688e-02,
 2.56347656e-02,  1.59179688e-01,  2.18750000e-01,  7.56835938e-02,
-3.24218750e-01,  4.56542969e-02,  2.69775391e-02,  2.09960938e-01,
 2.13623047e-02, -7.37304688e-02, -2.61718750e-01, -5.66406250e-02,
 1.30615234e-02, -2.96875000e-01, -4.29687500e-02,  5.79833984e-04,
-1.83593750e-01, -5.81054688e-02,  4.80957031e-02,  1.96533203e-02,
-1.32812500e-01,  1.83593750e-01, -1.31835938e-01, -1.12792969e-01,
-1.19628906e-02, -1.25976562e-01, -1.70898438e-01,  9.13085938e-02,
 1.07421875e-01,  2.73437500e-01,  6.10351562e-02, -7.99560547e-03,
-9.61914062e-02, -1.42578125e-01,  2.02636719e-02,  2.01171875e-01,
 4.93164062e-02, -3.75976562e-02, -7.91015625e-02, -1.22558594e-01,
-3.14453125e-01, -1.07910156e-01, -1.59179688e-01, -2.75878906e-02,
 1.78710938e-01,  1.54296875e-01,  1.85546875e-01, -1.44531250e-01,
```

```
        -1.63085938e-01, -4.71191406e-02, -8.78906250e-02, -2.89306641e-02,
         9.66796875e-02,  5.51757812e-02,  4.24194336e-03,  1.00585938e-01,
        -2.48046875e-01,  1.15234375e-01, -1.39648438e-01, -1.04003906e-01,
         1.13769531e-01, -8.74023438e-02,  2.89062500e-01, -9.57031250e-0
2],
       dtype=float32),
 'competence': array([ 1.17675781e-01, -8.05664062e-02,  1.84570312e-01,
1.45507812e-01,
        -1.91406250e-01,  1.83593750e-01,  1.12792969e-01, -3.98437500e-01,
         1.43554688e-01,  6.78710938e-02,  7.27539062e-02,  1.27929688e-01,
         1.20605469e-01,  9.17968750e-02, -1.35742188e-01,  3.20312500e-01,
         7.20214844e-03,  1.01562500e-01, -1.37695312e-01, -2.35351562e-01,
        -7.22656250e-02, -4.92187500e-01,  8.98437500e-02,  3.78906250e-01,
         1.97265625e-01, -2.18750000e-01, -1.58203125e-01, -8.39843750e-02,
        -2.90527344e-02,  2.79296875e-01, -2.74658203e-02, -1.97265625e-01,
        -2.77099609e-02, -8.05664062e-02,  5.46875000e-02, -1.63085938e-01,
        -9.42382812e-02,  1.98242188e-01,  8.10546875e-02, -2.31445312e-01,
         1.22070312e-02,  1.04980469e-02, -1.74804688e-01,  8.83789062e-02,
        -2.92968750e-01, -7.86132812e-02, -8.54492188e-02,  5.71289062e-02,
        -1.38671875e-01,  4.66308594e-02, -2.25585938e-01,  1.85546875e-01,
        -5.85937500e-02,  1.33789062e-01,  5.10253906e-02,  2.65625000e-01,
        -9.27734375e-02, -2.65625000e-01, -1.13769531e-01, -2.27539062e-01,
         1.40625000e-01,  1.31835938e-01,  3.93066406e-02, -9.91210938e-02,
         1.03027344e-01,  4.12597656e-02, -8.39843750e-02,  1.19140625e-01,
        -3.95507812e-02, -5.68847656e-02, -1.70898438e-02, -1.47460938e-01,
         1.23046875e-01, -1.12915039e-02, -1.01074219e-01, -2.73437500e-01,
         2.02148438e-01,  1.40625000e-01,  2.65625000e-01,  2.03125000e-01,
        -5.63964844e-02,  9.71679688e-02, -2.08007812e-01,  1.08337402e-03,
         2.16796875e-01, -7.81250000e-02,  2.01171875e-01,  1.08398438e-01,
        -5.93261719e-02,  1.26953125e-01,  1.73828125e-01, -3.51562500e-02,
        -4.07714844e-02,  1.65039062e-01,  4.08203125e-01, -3.54003906e-02,
         1.19018555e-02,  1.44531250e-01,  1.43554688e-01, -9.96093750e-02,
         1.80664062e-01, -4.95605469e-02,  5.31005859e-03,  2.91015625e-01,
         8.15429688e-02, -1.80664062e-01,  5.03540039e-03,  5.78613281e-02,
         3.12500000e-01, -2.08984375e-01,  1.01928711e-02,  4.80957031e-02,
        -2.24609375e-01,  1.58203125e-01,  2.94189453e-02,  8.44726562e-02,
        -2.68554688e-03,  8.17871094e-03,  6.44531250e-02, -9.81445312e-02,
        -4.21875000e-01, -7.17773438e-02, -3.29589844e-02,  8.98437500e-02,
         1.53808594e-02,  8.74023438e-02, -2.35351562e-01, -2.62451172e-02,
         1.14746094e-01,  1.59179688e-01, -1.87500000e-01, -2.55584717e-04,
        -1.80664062e-01, -1.06811523e-02, -6.88476562e-02, -1.16699219e-01,
         1.89453125e-01, -7.27539062e-02, -2.07519531e-02, -1.51367188e-01,
        -1.15234375e-01,  1.03759766e-02,  2.70996094e-02,  1.42578125e-01,
        -1.26953125e-01,  1.11328125e-01,  2.29492188e-01,  1.22558594e-01,
         2.77343750e-01,  9.13085938e-02,  1.44653320e-02,  2.83203125e-01,
        -6.29882812e-02,  1.49414062e-01, -8.85009766e-03, -4.46777344e-02,
        -9.57031250e-02, -1.52343750e-01, -1.76757812e-01, -1.24511719e-01,
         2.11914062e-01, -1.24023438e-01,  8.62121582e-04, -3.54003906e-02,
        -3.14941406e-02, -2.53906250e-02, -1.63085938e-01, -6.03027344e-02,
         1.74560547e-02,  1.83593750e-01,  1.53808594e-02, -2.08984375e-01,
        -2.08984375e-01, -3.32031250e-01,  4.56542969e-02, -1.17675781e-01,
         4.32128906e-02, -2.32421875e-01, -1.12915039e-02, -3.59375000e-01,
        -3.37890625e-01, -9.70458984e-03, -3.12500000e-01, -2.51953125e-01,
        -3.85742188e-02,  7.08007812e-02,  4.66308594e-02, -4.66796875e-01,
        -2.50000000e-01,  1.02539062e-02, -1.19140625e-01,  4.61425781e-02,
         5.39550781e-02,  2.24609375e-01,  1.33789062e-01, -1.56250000e-01,
         3.00781250e-01,  1.00585938e-01,  1.74804688e-01, -2.28271484e-02,
        -4.37500000e-01,  3.41796875e-01, -1.24511719e-01, -2.50000000e-01,
        -9.91210938e-02, -3.37890625e-01,  1.09863281e-01, -1.67968750e-01,
         2.03125000e-01, -4.71191406e-02, -1.49414062e-01, -3.26171875e-01,
         2.24609375e-02,  1.66015625e-01, -8.05664062e-02, -2.29492188e-01,
         8.78906250e-02, -5.95703125e-02, -7.42187500e-02,  3.16406250e-01,
        -1.86523438e-01,  1.51367188e-01,  1.84326172e-02,  1.55273438e-01,
         1.12915039e-02,  2.29492188e-02,  1.94335938e-01,  1.48437500e-01,
```

```
        -9.71679688e-02, -3.80859375e-02, -1.84570312e-01, -1.27929688e-01,
         1.00097656e-01,  1.14746094e-01, -8.10546875e-02, -1.21582031e-01,
         1.83593750e-01,  1.95312500e-01,  2.12402344e-02,  3.24707031e-02,
        -1.05468750e-01, -8.93554688e-02, -9.91210938e-02,  6.59179688e-02,
         4.78515625e-02, -8.88671875e-02,  2.55126953e-02, -2.24609375e-01,
         9.61914062e-02, -1.92871094e-02, -1.10351562e-01, -4.15039062e-02,
        -1.14257812e-01,  4.16015625e-01, -7.56835938e-02, -6.93359375e-02,
        -3.10058594e-02,  2.17773438e-01,  8.93554688e-02,  3.34472656e-02,
         2.49023438e-01, -8.83789062e-02, -9.37500000e-02,  1.56250000e-01,
         1.53320312e-01,  4.43359375e-01,  1.89453125e-01, -2.46093750e-01,
        -2.42187500e-01, -4.85839844e-02, -1.42578125e-01, -1.56250000e-01,
         1.87988281e-02, -1.56250000e-02, -1.98242188e-01,  4.76074219e-02,
         1.25000000e-01,  1.17187500e-02, -3.69140625e-01,  2.12890625e-01,
         9.71679688e-02, -3.02734375e-01,  3.20312500e-01,  2.73437500e-01,
        -5.37109375e-03, -1.59179688e-01, -7.03125000e-02, -5.66406250e-02,
        -5.95092773e-04,  6.59179688e-02, -6.34765625e-02,  2.42187500e-01,
        -1.58203125e-01, -1.95312500e-01, -2.06054688e-01,  1.48437500e-01,
         3.16406250e-01, -7.56835938e-02, -2.42187500e-01,  1.08886719e-0
1],
       dtype=float32),
 'management': array([-1.53320312e-01,  1.03515625e-01, -8.98437500e-02, -
9.47265625e-02,
        -1.51367188e-01,  1.02050781e-01,  1.03027344e-01, -2.91015625e-01,
         1.12304688e-01, -1.70898438e-02, -1.05468750e-01, -3.23486328e-03,
        -1.12304688e-01,  2.14843750e-02, -1.59179688e-01, -9.81445312e-02,
        -2.53906250e-02, -4.95605469e-02, -1.44531250e-01,  6.19506836e-03,
        -7.91015625e-02, -2.17285156e-02, -5.90820312e-02,  9.66796875e-02,
         9.66796875e-02,  1.74804688e-01, -1.33789062e-01,  1.78710938e-01,
        -9.37500000e-02, -9.42382812e-02,  1.47460938e-01,  8.93554688e-02,
        -1.15722656e-01,  7.62939453e-03,  1.87988281e-02, -5.98144531e-02,
        -3.05175781e-02,  7.47680664e-03,  1.54296875e-01, -4.27246094e-02,
         1.55029297e-02, -1.26953125e-01, -3.10058594e-02,  1.38549805e-02,
         9.27734375e-03, -3.76953125e-01, -1.16699219e-01,  3.66210938e-02,
        -1.49536133e-02,  1.01074219e-01,  1.63574219e-02, -1.00585938e-01,
        -4.34570312e-02,  2.83203125e-02, -1.15722656e-01,  1.65039062e-01,
        -1.08886719e-01, -2.60009766e-02,  2.35351562e-01, -7.47070312e-02,
        -1.89208984e-02,  1.15722656e-01, -1.75781250e-01, -2.80761719e-02,
        -1.10473633e-02,  1.79443359e-02,  2.19726562e-01,  3.41796875e-01,
         2.17773438e-01, -2.04101562e-01,  1.04492188e-01,  8.25195312e-02,
         3.59375000e-01,  5.10253906e-02,  1.64794922e-02, -8.83789062e-02,
         1.55273438e-01, -5.81054688e-02, -8.83789062e-02,  1.46484375e-01,
         2.71484375e-01,  7.27539062e-02, -2.01416016e-02, -3.46679688e-02,
         2.18750000e-01, -1.45507812e-01, -6.29882812e-02,  3.69262695e-03,
        -3.78417969e-02, -3.54003906e-02,  2.75390625e-01, -1.41601562e-01,
        -9.86328125e-02,  1.26953125e-01, -1.00097656e-01, -4.51660156e-02,
        -3.80859375e-02, -1.59179688e-01,  1.60156250e-01, -6.53076172e-03,
         4.17480469e-02,  1.06201172e-02, -1.25976562e-01,  3.11279297e-02,
        -8.97216797e-03, -5.83496094e-02,  4.24804688e-02, -1.04980469e-01,
         1.04980469e-01, -1.44531250e-01, -2.51770020e-03, -6.73828125e-02,
        -2.36328125e-01, -7.37304688e-02,  1.25976562e-01,  1.25000000e-01,
        -9.76562500e-02, -4.39453125e-02,  2.81250000e-01,  6.22558594e-02,
        -2.32421875e-01, -2.24609375e-01, -1.31835938e-01,  1.17187500e-01,
         6.12792969e-02, -4.12597656e-02, -1.18164062e-01,  6.01196289e-03,
         1.62109375e-01,  1.58203125e-01, -2.46093750e-01,  1.44531250e-01,
        -1.72851562e-01, -9.17968750e-02, -1.30859375e-01,  5.00488281e-02,
         1.12792969e-01,  4.37011719e-02, -1.72119141e-02,  1.79687500e-01,
        -3.36914062e-02, -2.16796875e-01,  6.25000000e-02, -1.49536133e-02,
        -1.97753906e-02, -2.59765625e-01, -7.08007812e-02,  2.45361328e-02,
         2.05078125e-01,  1.95312500e-01,  5.05371094e-02,  1.55273438e-01,
        -1.01562500e-01,  2.63671875e-01, -2.16796875e-01,  4.88281250e-03,
         2.77343750e-01,  8.15429688e-02,  5.85937500e-02,  3.85742188e-02,
         5.59082031e-02, -6.54296875e-02, -1.01074219e-01,  1.63085938e-01,
        -1.62109375e-01,  7.17773438e-02, -2.00195312e-02, -1.88476562e-01,
        -6.46972656e-03, -2.46093750e-01,  3.50952148e-03, -3.49121094e-02,
```

```
         1.90429688e-01, -4.90722656e-02,  3.20312500e-01,  4.76074219e-03,
         1.20605469e-01,  5.02929688e-02, -3.02734375e-02, -1.68945312e-01,
        -4.34570312e-02,  1.60156250e-01,  2.09960938e-02, -4.37011719e-02,
        -1.51367188e-01, -4.49218750e-02, -1.57226562e-01, -2.63671875e-02,
         7.22656250e-02,  1.53320312e-01, -2.37304688e-01, -2.48046875e-01,
        -1.22558594e-01, -1.33666992e-02, -3.08593750e-01, -1.43554688e-01,
        -1.30859375e-01,  5.07812500e-02,  3.47900391e-03, -3.59375000e-01,
        -1.18164062e-01, -2.03125000e-01,  1.06445312e-01,  3.24707031e-02,
        -8.05664062e-02, -1.37695312e-01,  1.14746094e-01,  5.12695312e-02,
         1.50390625e-01, -7.76367188e-02,  4.24804688e-02, -3.53515625e-01,
         5.61523438e-02,  7.61718750e-02,  5.63964844e-02, -8.44726562e-02,
         3.36914062e-02, -4.12597656e-02, -5.98144531e-02, -2.53906250e-01,
        -1.03027344e-01,  5.34667969e-02,  2.06054688e-01,  2.69775391e-02,
         1.62109375e-01, -1.82617188e-01,  2.25585938e-01, -1.66015625e-01,
        -7.47070312e-02, -1.59179688e-01, -7.66601562e-02,  6.13403320e-03,
        -1.61132812e-01, -1.18652344e-01, -9.91210938e-02, -6.03027344e-02,
         1.52343750e-01, -1.78710938e-01,  1.22070312e-01, -6.22558594e-02,
         5.49316406e-04, -8.74023438e-02, -1.32812500e-01, -2.59765625e-01,
        -7.91015625e-02, -1.88476562e-01, -1.96289062e-01, -5.98144531e-02,
        -1.95312500e-01, -1.09375000e-01, -6.83593750e-02,  2.28515625e-01,
        -1.50390625e-01,  1.15722656e-01,  3.68652344e-02, -3.80859375e-02,
        -1.27929688e-01,  1.89453125e-01, -1.26953125e-01,  1.54296875e-01,
         1.00097656e-01, -1.13769531e-01,  2.49862671e-04,  7.51953125e-02,
        -2.07031250e-01, -1.17187500e-01, -2.17773438e-01,  2.67333984e-02,
        -1.66992188e-01, -2.22778320e-03, -6.54296875e-02,  6.29882812e-02,
        -3.44238281e-02, -7.17773438e-02, -5.71289062e-02,  1.47460938e-01,
         3.95507812e-02,  1.34765625e-01,  8.48388672e-03, -1.71875000e-01,
        -1.66992188e-01, -5.24902344e-02,  2.10937500e-01,  2.01416016e-02,
        -7.01904297e-03,  2.51953125e-01, -1.06445312e-01, -1.03759766e-02,
         5.39550781e-02, -1.40625000e-01, -1.10839844e-01,  3.32031250e-01,
         1.74560547e-02,  3.53515625e-01,  1.26953125e-01,  3.22265625e-02,
         4.19921875e-02, -1.03027344e-01, -4.39453125e-03, -7.26318359e-0
3],
       dtype=float32),
 'oral': array([-0.15429688,  0.12451172,  0.10058594,  0.08447266,  0.0410
1562,
        -0.17089844,  0.34179688,  0.1640625 ,  0.38671875,  0.18554688,
        -0.29492188, -0.12988281, -0.12695312,  0.44140625,  0.0279541 ,
         0.00163269,  0.140625  ,  0.03125   ,  0.02612305,  0.01013184,
        -0.13867188,  0.04980469, -0.13769531, -0.07666016, -0.203125  ,
         0.04882812, -0.3046875 ,  0.19628906, -0.02197266,  0.45898438,
         0.26757812, -0.04248047, -0.1328125 , -0.16699219, -0.07080078,
         0.05004883, -0.16699219, -0.12792969, -0.14550781, -0.06201172,
        -0.15039062,  0.07910156,  0.04467773,  0.03100586,  0.14550781,
        -0.03149414, -0.07763672, -0.17382812, -0.18457031, -0.01104736,
         0.11425781,  0.0456543 , -0.34765625, -0.01098633,  0.06591797,
         0.05004883, -0.01416016, -0.18652344, -0.02197266, -0.22558594,
        -0.00695801, -0.06982422, -0.00228882,  0.10546875, -0.11523438,
         0.02258301, -0.42382812,  0.51953125, -0.18652344, -0.30859375,
        -0.30859375, -0.34375   ,  0.10888672,  0.20605469, -0.08105469,
         0.02893066,  0.09228516, -0.11279297,  0.51171875,  0.19726562,
        -0.15625   , -0.11962891, -0.16015625, -0.1953125 ,  0.25585938,
        -0.03149414, -0.29296875,  0.22753906,  0.17285156,  0.18261719,
        -0.17285156, -0.22753906,  0.19628906, -0.10546875,  0.02832031,
        -0.04272461,  0.09082031,  0.10595703, -0.03637695, -0.07617188,
         0.20605469, -0.22949219,  0.12060547, -0.23339844,  0.06591797,
        -0.29492188,  0.06689453,  0.11132812,  0.04980469,  0.18359375,
        -0.1640625 , -0.05688477,  0.12695312,  0.0300293 ,  0.20019531,
         0.12597656, -0.04882812, -0.27539062, -0.02844238, -0.41992188,
        -0.28710938, -0.18945312, -0.15234375,  0.22949219,  0.14453125,
         0.17089844, -0.15429688, -0.41601562,  0.41601562, -0.02307129,
        -0.33789062, -0.08251953, -0.60546875,  0.01104736, -0.34375   ,
         0.28320312,  0.05249023, -0.30664062,  0.18457031,  0.28125   ,
         0.14257812,  0.17089844, -0.26367188, -0.05615234, -0.25390625,
```

```
        -0.12011719, -0.0062561 ,  0.11816406,  0.21777344,  0.08935547,
         0.23535156, -0.15136719, -0.09814453, -0.15917969,  0.0098877 ,
         0.14648438, -0.39257812, -0.19921875, -0.02368164,  0.11767578,
        -0.22167969,  0.13769531, -0.41601562,  0.39453125, -0.11669922,
         0.01831055,  0.07763672, -0.37890625, -0.27734375, -0.31445312,
         0.25390625,  0.06005859, -0.00631714, -0.14941406,  0.00830078,
        -0.24121094, -0.16796875, -0.09863281,  0.01916504,  0.04956055,
         0.29296875, -0.00466919,  0.09375   , -0.03759766, -0.25195312,
         0.21972656, -0.02429199, -0.24902344,  0.08886719,  0.12109375,
        -0.09570312, -0.08496094,  0.3046875 ,  0.03198242,  0.28320312,
        -0.3984375 ,  0.13378906, -0.10644531, -0.15234375,  0.00300598,
         0.2109375 , -0.31445312,  0.07568359,  0.25      , -0.08691406,
        -0.14746094,  0.4765625 , -0.12109375, -0.10400391, -0.24414062,
         0.11962891, -0.02124023, -0.16894531, -0.07128906,  0.25390625,
         0.0378418 ,  0.22265625,  0.06689453,  0.13574219, -0.18652344,
        -0.12988281,  0.15234375, -0.08447266,  0.08007812,  0.34960938,
         0.02929688, -0.03857422,  0.01092529,  0.06982422,  0.17480469,
         0.2890625 ,  0.15234375, -0.15820312,  0.01757812, -0.07373047,
        -0.12988281,  0.04174805,  0.02294922, -0.20605469, -0.328125  ,
         0.12695312, -0.20898438,  0.359375  ,  0.09912109,  0.22167969,
         0.17773438, -0.23144531, -0.12451172, -0.0859375 , -0.30664062,
         0.13671875, -0.19921875, -0.31835938,  0.24511719,  0.02404785,
        -0.11279297, -0.06933594,  0.15429688, -0.109375  ,  0.07421875,
        -0.05029297,  0.09033203,  0.06787109, -0.16699219, -0.10693359,
         0.08544922,  0.2890625 , -0.390625  , -0.18457031, -0.23730469,
         0.265625  ,  0.3515625 , -0.05712891, -0.18164062,  0.5859375 ,
        -0.01556396,  0.01000977, -0.28320312, -0.02954102,  0.02246094,
         0.17480469, -0.32617188,  0.01422119, -0.07226562, -0.23925781,
        -0.18652344,  0.4609375 ,  0.39257812,  0.13476562,  0.17871094,
        -0.08203125, -0.08251953,  0.03369141,  0.02416992,  0.12597656,
         0.2265625 , -0.2890625 ,  0.15136719,  0.0201416 ,  0.09423828],
       dtype=float32),
 'written': array([-0.11474609, -0.08056641,  0.14746094, -0.15332031, -0.0
3015137,
        -0.01489258, -0.09912109,  0.09765625,  0.22265625,  0.05371094,
        -0.10693359, -0.06835938, -0.15527344,  0.16992188, -0.10986328,
         0.08935547,  0.296875  , -0.06738281, -0.08935547,  0.01080322,
         0.13671875,  0.18847656, -0.12988281, -0.31835938, -0.01477051,
        -0.16699219,  0.07763672, -0.13476562, -0.17480469,  0.08691406,
        -0.18164062, -0.17382812,  0.00040627,  0.11230469,  0.04174805,
         0.17773438,  0.05371094,  0.06494141, -0.01721191, -0.02685547,
        -0.09228516,  0.10546875,  0.02978516,  0.09863281,  0.14355469,
        -0.06982422, -0.10449219, -0.26953125, -0.1640625 , -0.16308594,
        -0.25      , -0.13574219, -0.10986328, -0.08691406, -0.03930664,
         0.15722656, -0.13964844, -0.28320312, -0.140625  ,  0.06738281,
         0.17089844, -0.13476562,  0.06445312,  0.07128906,  0.03417969,
         0.1484375 , -0.23144531,  0.19433594, -0.13378906,  0.0071106 ,
         0.125     , -0.21972656,  0.07421875, -0.14550781, -0.12988281,
        -0.04003906,  0.05493164,  0.19628906, -0.03710938,  0.22949219,
         0.11035156, -0.15722656,  0.00283813,  0.06787109,  0.04345703,
        -0.17578125, -0.05688477,  0.10253906,  0.03857422, -0.02709961,
         0.11425781, -0.13671875,  0.18652344,  0.12255859, -0.0279541 ,
        -0.046875  ,  0.01165771,  0.1015625 , -0.08203125, -0.22363281,
        -0.10644531, -0.11279297,  0.00671387, -0.01483154,  0.10498047,
        -0.15625   , -0.05761719, -0.05322266, -0.00576782, -0.07568359,
        -0.18554688, -0.08837891,  0.07470703,  0.14257812,  0.125     ,
        -0.04443359,  0.07226562, -0.06005859,  0.22753906,  0.18554688,
        -0.11767578, -0.00946045,  0.1796875 ,  0.18847656,  0.05883789,
         0.03198242, -0.02490234, -0.20019531, -0.2734375 , -0.10009766,
        -0.33398438, -0.15722656, -0.16503906,  0.06933594, -0.05297852,
         0.03540039, -0.15429688, -0.14648438,  0.01904297,  0.02062988,
         0.08886719,  0.01867676, -0.12597656, -0.17089844, -0.12304688,
         0.01928711, -0.12402344, -0.04614258,  0.18359375, -0.19628906,
         0.12109375,  0.03295898,  0.19921875, -0.07666016, -0.01245117,
```

```
        -0.19140625, -0.34375   , -0.09863281,  0.04638672,  0.07324219,
         0.1171875 ,  0.12890625,  0.02185059,  0.19726562,  0.1328125 ,
        -0.08398438,  0.14648438, -0.22851562, -0.13574219, -0.00765991,
         0.02294922, -0.00212097,  0.0534668 , -0.32617188,  0.15527344,
        -0.04003906,  0.07080078, -0.00927734,  0.00759888,  0.00337219,
        -0.04614258, -0.02661133, -0.14453125,  0.0098877 , -0.02062988,
         0.01965332, -0.23242188,  0.11328125, -0.00262451,  0.10888672,
         0.11572266,  0.03015137, -0.17480469, -0.02416992,  0.06787109,
         0.06884766,  0.12597656, -0.14257812,  0.05126953,  0.12011719,
        -0.05664062,  0.03686523, -0.08935547,  0.24121094,  0.01623535,
        -0.05688477,  0.06298828,  0.12255859, -0.10107422,  0.04248047,
         0.17480469,  0.00891113,  0.2890625 , -0.17675781,  0.02258301,
        -0.01086426,  0.32421875,  0.0402832 ,  0.012146  , -0.20214844,
         0.01196289,  0.02050781, -0.16308594, -0.11572266,  0.39648438,
        -0.11132812, -0.13769531,  0.04467773, -0.09179688, -0.18261719,
        -0.03930664, -0.24121094,  0.00408936, -0.00361633,  0.00202942,
        -0.0534668 ,  0.15820312,  0.01696777, -0.01867676, -0.36523438,
         0.07519531, -0.24121094,  0.04638672, -0.03417969,  0.25976562,
         0.14453125,  0.14941406,  0.00726318, -0.09765625,  0.06787109,
         0.07958984,  0.19238281, -0.10546875,  0.3671875 ,  0.13085938,
        -0.21191406, -0.14648438, -0.14550781,  0.12255859, -0.09179688,
        -0.2734375 ,  0.05737305,  0.06787109, -0.359375  , -0.1640625 ,
        -0.02709961, -0.00735474, -0.21777344, -0.01940918, -0.20898438,
         0.16015625, -0.01623535, -0.13769531,  0.1484375 ,  0.03320312,
        -0.01745605, -0.12988281, -0.02124023,  0.03930664,  0.03979492,
        -0.15136719, -0.06835938,  0.04516602,  0.11230469,  0.37890625,
        -0.01116943,  0.09716797,  0.23730469, -0.0612793 ,  0.14160156,
        -0.19140625, -0.18164062,  0.01165771,  0.11572266, -0.02233887,
         0.03442383,  0.00817871, -0.02941895, -0.12695312, -0.03295898],
       dtype=float32),
 'organizational': array([-4.56542969e-02,  5.46264648e-03, -2.07031250e-0
1, -2.31933594e-03,
        -1.80664062e-01, -1.25000000e-01,  1.01318359e-02, -1.23535156e-01,
         4.24804688e-02,  3.17382812e-02, -4.29687500e-02,  1.98242188e-01,
         9.71679688e-02,  2.57812500e-01, -1.51367188e-01,  1.26953125e-01,
         7.27539062e-02,  2.61718750e-01, -1.81640625e-01, -1.77734375e-01,
        -1.44531250e-01, -5.55419922e-03, -2.02636719e-02, -8.34960938e-02,
         8.59375000e-02,  5.76171875e-02, -1.63085938e-01,  9.76562500e-02,
        -6.88476562e-02, -1.55273438e-01,  7.91015625e-02, -2.23388672e-02,
        -1.59912109e-02,  1.59179688e-01,  1.00097656e-01, -4.79125977e-03,
         2.11914062e-01,  1.26953125e-01,  3.33984375e-01, -2.50000000e-01,
         8.05664062e-02,  1.20605469e-01, -2.07519531e-02,  9.03320312e-02,
        -5.63964844e-02, -2.67578125e-01, -2.31445312e-01, -7.51953125e-02,
        -1.22070312e-02,  3.12500000e-01, -2.41210938e-01, -1.15356445e-02,
        -1.05957031e-01,  2.47070312e-01, -8.23974609e-03,  2.79296875e-01,
         1.73828125e-01, -8.83789062e-02,  5.59082031e-02,  1.96533203e-02,
        -1.47460938e-01,  6.68945312e-02,  2.50000000e-01, -1.91650391e-02,
         4.29687500e-02,  7.47680664e-04, -4.76074219e-02,  4.82421875e-01,
         1.73828125e-01, -4.27246094e-02, -9.32617188e-02,  5.32226562e-02,
         1.54296875e-01, -1.84570312e-01, -7.42187500e-02, -1.78222656e-02,
         3.58886719e-02,  5.61523438e-02, -1.80664062e-01, -3.32031250e-01,
         3.71093750e-02,  8.05664062e-02, -1.13281250e-01,  1.14746094e-01,
         1.21093750e-01, -4.94140625e-01,  9.57031250e-02, -6.17675781e-02,
        -1.00097656e-02,  3.36914062e-02,  9.03320312e-02, -4.35546875e-01,
        -7.86132812e-02, -9.81445312e-02,  1.58203125e-01, -2.85156250e-01,
         1.81640625e-01, -8.05664062e-02, -1.05468750e-01,  2.03125000e-01,
         2.24609375e-01,  1.16699219e-01,  5.27343750e-02,  1.57226562e-01,
         1.02539062e-01, -1.49414062e-01,  4.82177734e-03,  7.27539062e-02,
         2.09960938e-02, -1.06445312e-01, -3.17382812e-02, -2.22656250e-01,
        -2.81250000e-01, -2.47070312e-01,  1.39648438e-01,  1.06933594e-01,
         4.17480469e-02, -1.43554688e-01,  3.94531250e-01,  1.29882812e-01,
        -1.43554688e-01, -1.77734375e-01,  8.88671875e-02,  1.70898438e-01,
        -8.98437500e-02,  1.22070312e-01, -8.25195312e-02,  1.42578125e-01,
        -6.54296875e-02,  3.06640625e-01, -3.29589844e-02, -6.64062500e-02,
```

```
        -1.32812500e-01, -2.64892578e-02,  1.67968750e-01, -7.51953125e-02,
        -1.69921875e-01,  1.38854980e-03, -7.08007812e-02,  4.98046875e-02,
        -1.11816406e-01,  1.51367188e-01, -6.44531250e-02, -8.15429688e-02,
        -3.53515625e-01, -1.59912109e-02,  1.38671875e-01,  1.87500000e-01,
         8.83789062e-02,  1.77734375e-01, -7.03125000e-02, -5.93261719e-02,
        -1.77734375e-01,  2.32421875e-01,  5.27343750e-02, -1.65039062e-01,
         1.97265625e-01, -6.93359375e-02,  1.30859375e-01, -7.42187500e-02,
         1.10839844e-01, -1.29882812e-01, -2.10937500e-01,  1.72851562e-01,
        -1.15722656e-01,  3.55529785e-03,  1.81884766e-02, -3.30078125e-01,
         2.53906250e-01,  1.29882812e-01, -6.98242188e-02, -1.81640625e-01,
        -1.68945312e-01, -1.55273438e-01,  2.67578125e-01,  8.97216797e-03,
         6.68945312e-02,  1.05468750e-01,  8.49609375e-02, -5.05371094e-02,
        -2.22656250e-01,  1.29882812e-01,  1.60156250e-01, -2.28271484e-02,
        -1.16699219e-01, -3.00292969e-02, -1.65039062e-01, -6.92749023e-03,
         1.69921875e-01, -1.63574219e-02, -5.34667969e-02,  1.34887695e-02,
        -6.78710938e-02,  2.15820312e-01, -1.67968750e-01, -1.80664062e-01,
         5.27343750e-02, -9.33837891e-03, -8.30078125e-03, -3.51562500e-01,
        -1.51367188e-01,  1.20117188e-01, -4.61425781e-02, -2.16796875e-01,
         5.17578125e-02, -1.15722656e-01,  6.20117188e-02, -4.42504883e-03,
         2.81250000e-01,  8.00781250e-02, -1.54296875e-01, -2.19726562e-01,
        -2.89062500e-01,  1.01562500e-01, -6.83593750e-03, -1.92382812e-01,
         1.72851562e-01,  2.48046875e-01, -7.03125000e-02,  1.40380859e-02,
        -1.34765625e-01,  7.32421875e-02,  1.61132812e-01, -1.41601562e-01,
         3.01513672e-02, -2.96875000e-01,  2.34375000e-01,  2.23632812e-01,
         3.05175781e-02,  4.68750000e-02, -2.72216797e-02,  1.09252930e-02,
        -8.64257812e-02, -3.36914062e-02, -1.01074219e-01, -9.61914062e-02,
         8.10546875e-02, -1.38671875e-01,  1.36718750e-01, -8.25195312e-02,
         4.83398438e-02, -6.56127930e-03, -8.15429688e-02, -6.78710938e-02,
        -4.63867188e-02, -1.43554688e-01, -1.80664062e-01, -1.63085938e-01,
        -3.90625000e-02, -1.16699219e-01, -2.02148438e-01,  2.79296875e-01,
        -1.49414062e-01,  5.27343750e-01,  2.42919922e-02, -3.16406250e-01,
        -1.79443359e-02,  3.37890625e-01, -7.72094727e-03,  2.52685547e-02,
         2.29492188e-01, -1.02539062e-01, -2.02636719e-02,  8.69140625e-02,
        -5.61523438e-02, -1.52343750e-01,  2.94189453e-02,  2.11914062e-01,
        -3.53515625e-01, -6.83593750e-02,  1.42578125e-01,  2.39257812e-01,
        -1.04003906e-01, -2.39257812e-01, -3.88671875e-01,  6.49414062e-02,
         1.89453125e-01, -3.90625000e-02,  1.94091797e-02, -3.93066406e-02,
        -3.33786011e-04, -2.35595703e-02, -8.10546875e-02, -7.27539062e-02,
        -1.61132812e-01, -1.73950195e-03, -1.55029297e-02,  1.13769531e-01,
         2.50000000e-01,  5.00488281e-02, -1.69921875e-01,  1.69677734e-02,
        -4.31640625e-01, -4.71191406e-02, -2.06054688e-01, -1.69921875e-01,
         3.16406250e-01,  5.24902344e-03,  8.23974609e-03,  2.31445312e-0
1],
       dtype=float32),
 'interpersonal': array([-6.49414062e-02, -2.98828125e-01, -2.83203125e-01,
1.60156250e-01,
        -1.10351562e-01,  8.20312500e-02,  1.91406250e-01, -4.98046875e-02,
         1.89453125e-01, -1.97753906e-02,  2.38037109e-02,  2.91748047e-02,
        -4.27246094e-02,  2.69531250e-01,  1.97753906e-02,  2.25585938e-01,
         1.93359375e-01,  2.42187500e-01,  8.20312500e-02, -2.44140625e-01,
         1.74804688e-01, -3.20312500e-01,  1.43554688e-01, -1.43554688e-01,
        -1.44531250e-01, -2.12890625e-01, -2.32421875e-01,  3.14453125e-01,
        -2.55859375e-01, -1.14257812e-01,  2.06298828e-02, -2.01171875e-01,
        -1.03027344e-01, -1.71875000e-01, -2.06054688e-01, -4.51660156e-02,
        -1.67968750e-01,  1.13769531e-01,  1.98242188e-01, -5.39550781e-02,
         1.93359375e-01,  1.27929688e-01, -1.46484375e-01,  2.81250000e-01,
        -2.09960938e-01,  1.95312500e-02,  3.68652344e-02,  3.93066406e-02,
        -1.41601562e-01,  1.00097656e-01, -4.14062500e-01,  1.62109375e-01,
        -4.39453125e-01,  1.48315430e-02,  3.28125000e-01,  1.67968750e-01,
        -1.30859375e-01, -2.57812500e-01,  3.07617188e-02, -2.45117188e-01,
        -1.49414062e-01,  1.57226562e-01, -5.59082031e-02,  4.27734375e-01,
        -1.04492188e-01,  1.14746094e-01, -2.59765625e-01,  5.20019531e-02,
         3.39355469e-02,  1.11083984e-02, -1.93359375e-01, -1.11816406e-01,
         1.75781250e-01, -6.01196289e-03, -3.51562500e-02, -2.51953125e-01,
```

```
         1.87988281e-02,  3.80859375e-01, -5.24902344e-02, -7.27539062e-02,
        -1.98242188e-01, -5.37109375e-03,  2.75878906e-02, -1.79687500e-01,
         3.75976562e-02, -1.98242188e-01, -8.54492188e-02,  2.30468750e-01,
        -1.41601562e-01,  5.22460938e-02,  2.83203125e-02, -1.37695312e-01,
        -3.32031250e-01,  1.57226562e-01,  4.45312500e-01, -4.55078125e-01,
         1.12304688e-01,  2.05078125e-01, -1.44531250e-01,  8.97216797e-03,
         2.28515625e-01, -2.28515625e-01, -7.76367188e-02,  6.83593750e-02,
         3.59375000e-01, -1.33789062e-01,  3.75976562e-02, -1.17675781e-01,
         7.81250000e-02, -2.12890625e-01, -2.28515625e-01,  1.23046875e-01,
         2.91015625e-01, -3.59375000e-01,  1.00585938e-01, -1.96533203e-02,
         3.78417969e-03, -8.00781250e-02,  2.85156250e-01,  1.23046875e-01,
        -3.92578125e-01, -3.80859375e-02,  1.64062500e-01,  8.15429688e-02,
        -1.02050781e-01,  2.50000000e-01, -9.37500000e-02,  2.08984375e-01,
         3.78417969e-02,  2.07031250e-01, -1.21093750e-01, -2.08984375e-01,
        -4.37500000e-01,  4.16015625e-01,  1.11328125e-01, -5.46875000e-02,
         4.88281250e-03, -2.09960938e-01,  2.39257812e-01, -1.54296875e-01,
        -1.03515625e-01, -7.44628906e-03, -5.51757812e-02,  8.64257812e-02,
        -3.16406250e-01, -2.27539062e-01, -2.14843750e-01,  3.18359375e-01,
        -3.32031250e-02,  4.29687500e-02,  3.94531250e-01,  4.02832031e-02,
        -1.05957031e-01, -6.03027344e-02, -1.14257812e-01, -3.49609375e-01,
        -4.10156250e-02,  5.85937500e-02,  1.77001953e-02, -1.77001953e-02,
         2.69775391e-02,  5.22460938e-02, -4.10156250e-01,  3.18359375e-01,
        -1.12792969e-01,  3.37890625e-01, -6.07910156e-02, -1.90429688e-01,
        -9.32617188e-02,  2.51953125e-01, -1.64062500e-01, -2.38281250e-01,
        -6.98242188e-02, -2.73437500e-01,  3.43750000e-01,  1.20117188e-01,
        -2.32421875e-01,  1.14746094e-01, -8.49609375e-02,  6.49414062e-02,
         1.99218750e-01,  2.57812500e-01,  2.92968750e-02,  1.12792969e-01,
        -2.29492188e-01, -4.95605469e-02, -2.24609375e-01, -4.41406250e-01,
        -3.24707031e-02, -7.71484375e-02, -1.70898438e-01, -3.79943848e-03,
        -2.01171875e-01,  1.64062500e-01,  1.48437500e-01, -2.71484375e-01,
        -4.93164062e-02, -9.66796875e-02,  1.00585938e-01, -3.37890625e-01,
         1.84326172e-02,  1.20605469e-01, -2.50000000e-01, -7.17773438e-02,
         4.34570312e-02, -1.86523438e-01,  3.88183594e-02, -2.06054688e-01,
         1.17675781e-01, -8.98437500e-02, -1.37695312e-01, -2.09960938e-01,
        -1.08886719e-01,  5.46875000e-02, -1.18164062e-01, -3.90625000e-01,
         4.58984375e-02,  2.11914062e-01, -1.38671875e-01,  7.08007812e-02,
        -2.89062500e-01,  6.68945312e-02,  1.45507812e-01, -5.49316406e-02,
        -1.92382812e-01,  7.27539062e-02,  3.30078125e-01,  1.79687500e-01,
        -1.21582031e-01, -2.94189453e-02, -1.35742188e-01,  5.46264648e-03,
        -1.28906250e-01,  3.05175781e-02, -6.12792969e-02, -2.43164062e-01,
        -1.47460938e-01, -9.61914062e-02,  8.98437500e-02,  2.86865234e-02,
         2.77343750e-01,  2.44140625e-01, -9.08203125e-02, -1.54296875e-01,
        -1.72851562e-01, -6.15234375e-02, -3.16406250e-01,  2.35351562e-01,
        -2.55859375e-01, -1.05468750e-01, -1.92382812e-01,  4.12597656e-02,
        -5.59082031e-02,  4.27734375e-01, -7.27539062e-02, -4.58984375e-01,
         2.79296875e-01,  1.30859375e-01,  2.42187500e-01,  3.84765625e-01,
        -5.37109375e-02, -1.76757812e-01, -1.03515625e-01,  8.74023438e-02,
        -6.15234375e-02,  9.32617188e-02,  6.88476562e-02, -1.09863281e-01,
        -2.02636719e-02,  1.24931335e-04, -3.43750000e-01,  1.82617188e-01,
        -1.91406250e-01, -1.37695312e-01,  8.10546875e-02,  8.25195312e-02,
         8.05664062e-02,  1.41601562e-01, -9.17968750e-02,  8.74023438e-02,
         5.37109375e-02, -2.98828125e-01,  2.94921875e-01, -2.61230469e-02,
         7.56835938e-02, -1.28906250e-01, -1.88476562e-01,  6.68945312e-02,
         1.76757812e-01,  3.14453125e-01, -1.88476562e-01,  2.53906250e-01,
        -3.47656250e-01, -1.77734375e-01, -2.21679688e-01, -5.71289062e-02,
         2.11914062e-01, -9.27734375e-02,  9.52148438e-02,  2.53906250e-0
1],
       dtype=float32),
 'relation': array([ 1.15234375e-01, -6.12792969e-02,  1.58203125e-01, -1.3
2812500e-01,
        -1.05957031e-01,  2.24609375e-01,  8.20312500e-02, -5.24902344e-02,
         2.73437500e-01,  1.42578125e-01, -5.00488281e-02, -1.58691406e-02,
        -1.05468750e-01,  2.00195312e-01, -6.03027344e-02, -7.71484375e-02,
        -3.68652344e-02,  1.41601562e-01,  3.63769531e-02, -9.91210938e-02,
```

```
-8.30078125e-02, -2.77343750e-01, -8.59375000e-02,  9.86328125e-02,
 5.78613281e-02,  1.73339844e-02, -2.53906250e-01,  2.10937500e-01,
 9.27734375e-02,  2.53906250e-01,  6.25000000e-02, -2.09960938e-01,
 9.71679688e-02,  1.65039062e-01, -9.66796875e-02,  1.12304688e-01,
 8.78906250e-02, -1.78222656e-02,  7.81250000e-02, -1.20117188e-01,
-1.37695312e-01,  1.71875000e-01, -2.00195312e-01,  1.34765625e-01,
 5.20019531e-02, -1.65039062e-01, -4.49218750e-02, -5.85937500e-02,
-5.07812500e-02, -3.06640625e-01, -3.54003906e-02, -1.96289062e-01,
 3.49121094e-02, -1.20117188e-01, -5.17578125e-02, -2.10937500e-01,
-6.25000000e-02, -1.04003906e-01,  5.12695312e-02,  2.55126953e-02,
-2.10937500e-01,  1.64062500e-01,  1.41601562e-01, -6.43920898e-03,
-1.90429688e-01, -4.63867188e-02, -5.00488281e-02,  1.79687500e-01,
-2.57812500e-01, -1.14257812e-01, -8.44726562e-02, -1.67968750e-01,
 2.01171875e-01,  2.21679688e-01, -1.94335938e-01,  1.70898438e-02,
-2.25830078e-03,  1.82617188e-01,  1.57226562e-01,  2.47070312e-01,
-1.25976562e-01,  3.27148438e-02, -1.11328125e-01, -8.15429688e-02,
-8.39843750e-02, -3.18359375e-01, -2.02148438e-01, -5.64575195e-03,
-1.61132812e-02,  2.59765625e-01,  4.16015625e-01,  9.27734375e-02,
 2.88085938e-02,  7.03125000e-02, -1.25976562e-01, -2.67578125e-01,
 1.77734375e-01, -9.57031250e-02,  1.53320312e-01, -7.32421875e-02,
 2.30712891e-02, -3.05175781e-02,  1.56250000e-02, -2.02636719e-02,
-1.05468750e-01, -1.43554688e-01, -2.63671875e-01,  1.56250000e-01,
-6.05468750e-02, -6.59179688e-02, -5.71289062e-02,  4.83398438e-02,
 3.14941406e-02,  1.54296875e-01,  8.64257812e-02, -2.53906250e-02,
-5.88378906e-02, -3.05175781e-02,  2.27928162e-04,  3.08593750e-01,
-3.46679688e-02,  1.48315430e-02, -5.88378906e-02,  4.93164062e-02,
-1.90429688e-01,  1.28906250e-01, -2.30468750e-01, -1.33056641e-02,
 1.78222656e-02,  6.88476562e-02, -4.66308594e-02, -1.21093750e-01,
-2.49023438e-01,  9.07897949e-04,  1.48925781e-02, -1.19628906e-01,
 9.71679688e-02, -2.23388672e-02,  2.18505859e-02, -6.49414062e-02,
 1.04980469e-01,  4.14062500e-01,  5.83496094e-02,  2.05078125e-01,
-4.49218750e-02,  2.30468750e-01, -8.98437500e-02,  3.02734375e-02,
-3.76953125e-01,  2.77343750e-01,  1.22558594e-01,  5.46875000e-02,
-1.43554688e-01, -4.15039062e-02, -3.90625000e-02, -9.27734375e-02,
-8.25195312e-02, -2.36816406e-02,  1.79687500e-01,  6.73828125e-02,
 1.95312500e-02,  1.02539062e-02,  7.03125000e-02,  8.54492188e-02,
 7.03125000e-02,  1.73828125e-01,  4.54711914e-03,  2.71606445e-03,
-4.80957031e-02, -2.95410156e-02, -6.98242188e-02, -5.71289062e-02,
 2.42187500e-01, -2.13867188e-01, -4.63867188e-02,  1.00585938e-01,
 2.25585938e-01, -1.65039062e-01,  1.66015625e-01, -4.73632812e-02,
 8.78906250e-02,  1.11328125e-01, -8.64257812e-02, -1.24023438e-01,
-1.33666992e-02, -9.66796875e-02,  5.02929688e-02,  2.06298828e-02,
-6.44531250e-02, -3.24707031e-02, -9.71679688e-02,  5.68847656e-02,
-2.35351562e-01,  1.89208984e-02,  1.31835938e-01,  1.12792969e-01,
 4.39453125e-02, -1.07421875e-01,  1.66992188e-01, -2.23632812e-01,
-5.46875000e-02,  3.61328125e-02, -1.12792969e-01, -8.74023438e-02,
-6.25000000e-02, -1.57226562e-01, -1.33789062e-01,  4.10156250e-02,
 1.42578125e-01, -1.77734375e-01,  1.02539062e-01, -1.69921875e-01,
-1.97753906e-02,  1.26953125e-01, -1.20605469e-01, -1.56250000e-01,
 1.16210938e-01, -7.81250000e-02,  1.48437500e-01, -6.43920898e-03,
 1.00585938e-01,  2.07031250e-01,  4.12597656e-02, -9.76562500e-02,
-1.56250000e-02,  7.51953125e-02,  2.87109375e-01,  5.95703125e-02,
 7.03125000e-02,  4.41894531e-02,  8.25195312e-02,  1.47094727e-02,
-7.81250000e-02,  2.92968750e-01,  1.22070312e-01, -9.15527344e-03,
 2.63671875e-01, -7.76367188e-02,  2.46093750e-01, -2.33154297e-02,
-2.50000000e-01,  2.00195312e-02,  3.24707031e-02,  1.26953125e-01,
-4.90722656e-02, -1.42578125e-01, -2.63671875e-01,  1.60156250e-01,
 4.51660156e-02,  3.36914062e-02,  3.02734375e-01,  1.95312500e-01,
 1.34765625e-01,  1.47460938e-01,  3.85742188e-02, -4.15039062e-02,
 5.66406250e-02,  1.26953125e-01, -3.02734375e-02, -5.51757812e-02,
 1.46484375e-01, -6.34765625e-02, -3.11279297e-02, -6.46972656e-03,
 1.55273438e-01, -3.07083130e-04, -5.52368164e-03, -5.95703125e-02,
-1.58203125e-01, -1.98242188e-01, -3.41796875e-01,  6.03027344e-02,
 2.24609375e-01, -5.37109375e-02, -2.60009766e-02,  5.34667969e-02,
```

```
        -6.15234375e-02, -1.61132812e-01, -3.93066406e-02,  7.08007812e-02,
         3.39355469e-02,  1.42578125e-01,  3.12500000e-02, -2.13623047e-02,
         1.06445312e-01, -5.44433594e-02, -1.38671875e-01, -2.41699219e-02,
         4.27246094e-02, -7.61718750e-02, -1.39648438e-01,  5.15136719e-02,
         1.17187500e-01,  1.38671875e-01, -2.10571289e-03, -9.42382812e-02,
        -8.59375000e-02, -1.06933594e-01, -2.73437500e-01,  8.20312500e-0
2],
       dtype=float32),
 'work': array([-0.07568359,  0.03369141, -0.06494141,  0.13183594,  0.0505
3711,
         0.14941406,  0.109375  , -0.13378906, -0.02087402,  0.0546875 ,
         0.08691406,  0.09375   , -0.13476562, -0.06079102, -0.19433594,
         0.01696777,  0.109375  ,  0.20800781,  0.20410156, -0.13378906,
        -0.09667969, -0.00268555, -0.02502441,  0.03515625,  0.08300781,
         0.04980469, -0.09570312, -0.17382812, -0.15234375, -0.13769531,
        -0.06225586, -0.02258301,  0.0703125 , -0.04223633,  0.24023438,
        -0.01391602,  0.05395508, -0.0222168 ,  0.08398438, -0.07226562,
         0.12402344,  0.16015625, -0.04614258,  0.02661133, -0.25      ,
         0.05859375, -0.19140625, -0.07177734, -0.07568359,  0.09130859,
         0.12109375, -0.07617188,  0.11962891, -0.01403809,  0.16210938,
        -0.12158203,  0.00860596, -0.10351562, -0.09472656,  0.02661133,
         0.01831055,  0.16015625, -0.32421875, -0.02856445,  0.08056641,
         0.09619141, -0.08056641, -0.02441406, -0.01147461,  0.03076172,
        -0.05615234,  0.04052734,  0.08691406, -0.00823975, -0.06030273,
        -0.04516602,  0.14746094,  0.13867188, -0.03686523,  0.10791016,
        -0.21582031,  0.05371094,  0.18261719, -0.01696777,  0.06787109,
         0.09179688,  0.06494141,  0.05615234, -0.0222168 ,  0.13867188,
        -0.06103516,  0.01794434,  0.02612305, -0.02770996,  0.13378906,
        -0.05688477,  0.03857422, -0.0045166 , -0.00095749, -0.12597656,
        -0.11279297, -0.22558594,  0.07861328,  0.06835938, -0.01672363,
        -0.1875    , -0.00521851, -0.08886719,  0.08691406, -0.05224609,
         0.05200195, -0.06494141,  0.00527954, -0.11230469,  0.08496094,
        -0.03540039, -0.03662109, -0.11962891,  0.08447266,  0.08691406,
        -0.11328125,  0.04858398,  0.02954102,  0.30859375, -0.03491211,
         0.13574219, -0.10595703, -0.07470703, -0.20800781, -0.01574707,
        -0.06884766, -0.11669922, -0.05175781, -0.02368164, -0.01135254,
        -0.06054688, -0.08789062,  0.18359375,  0.01507568, -0.08398438,
        -0.04467773, -0.03759766, -0.04614258, -0.07763672, -0.01818848,
         0.05981445, -0.00854492, -0.05395508, -0.06591797, -0.00268555,
         0.06152344, -0.07568359,  0.16796875,  0.31445312,  0.00165558,
         0.07763672, -0.08544922, -0.11230469, -0.09863281, -0.11767578,
         0.06298828,  0.15429688, -0.27734375,  0.14257812,  0.08544922,
        -0.24121094,  0.10351562, -0.17773438,  0.04711914, -0.02368164,
         0.05224609, -0.02746582, -0.12402344,  0.10644531,  0.02734375,
         0.03173828,  0.18652344, -0.02075195, -0.02001953,  0.04614258,
        -0.23535156, -0.08886719, -0.05419922, -0.02978516, -0.06298828,
         0.04150391,  0.05126953, -0.14257812,  0.16503906, -0.01245117,
        -0.10107422,  0.08789062,  0.1640625 , -0.09375   , -0.14941406,
        -0.10400391,  0.16308594, -0.00610352, -0.07617188, -0.02319336,
        -0.01287842,  0.35546875, -0.07226562, -0.05834961, -0.14160156,
        -0.05541992, -0.25585938, -0.03393555,  0.20117188, -0.01940918,
         0.10839844, -0.18359375, -0.12109375,  0.01086426, -0.07080078,
         0.08935547,  0.10742188,  0.14453125, -0.08105469, -0.10791016,
        -0.0017395 , -0.23144531,  0.01916504,  0.14453125,  0.15917969,
        -0.0123291 , -0.11132812,  0.16015625, -0.01397705, -0.02392578,
         0.13964844, -0.08203125,  0.02087402, -0.12304688, -0.01074219,
        -0.15625   , -0.07617188, -0.08251953,  0.06835938, -0.02929688,
        -0.05249023,  0.00958252, -0.0189209 , -0.20996094,  0.05639648,
         0.02172852,  0.00176239, -0.01318359,  0.06542969, -0.09814453,
        -0.09912109,  0.16699219, -0.1796875 ,  0.08105469,  0.08984375,
        -0.03662109,  0.02294922,  0.05395508, -0.08447266,  0.11083984,
        -0.04418945, -0.05151367, -0.11523438,  0.09082031,  0.04248047,
         0.17480469,  0.02587891, -0.02209473, -0.18164062,  0.18847656,
         0.10498047,  0.171875  ,  0.10400391,  0.01300049,  0.21484375,
```

```
        -0.12158203, -0.18066406, -0.11328125, -0.12695312, -0.07275391,
         0.02246094,  0.08496094,  0.10498047,  0.28515625,  0.0546875 ,
         0.02172852, -0.03710938, -0.00701904,  0.05444336,  0.10107422,
        -0.1875    ,  0.1015625 , -0.09130859,  0.05224609, -0.1640625 ,
         0.12158203,  0.0625    ,  0.01202393,  0.13574219, -0.09130859],
       dtype=float32),
 'variety': array([ 0.03063965,  0.09277344, -0.2578125 ,  0.07470703,  0.0
7519531,
        -0.08837891,  0.01025391,  0.15332031, -0.01385498, -0.07519531,
        -0.04931641, -0.07568359, -0.09228516,  0.13476562, -0.26171875,
         0.00646973, -0.26757812,  0.25      ,  0.02294922, -0.22949219,
        -0.07080078, -0.09570312, -0.13671875,  0.05004883, -0.13574219,
        -0.01544189, -0.14746094,  0.13476562, -0.11425781, -0.13769531,
        -0.2265625 , -0.01226807,  0.13476562,  0.05200195, -0.00570679,
        -0.08544922,  0.1015625 , -0.27539062,  0.03540039, -0.21386719,
         0.20410156,  0.0100708 , -0.13769531,  0.02075195, -0.07128906,
        -0.24609375, -0.125     ,  0.06933594,  0.07617188, -0.04223633,
        -0.00091553,  0.13574219, -0.14746094, -0.02856445, -0.13964844,
         0.13769531,  0.09912109, -0.33984375,  0.23632812, -0.05908203,
        -0.06787109,  0.07373047,  0.05737305,  0.05004883,  0.04785156,
        -0.1171875 , -0.14550781,  0.12207031,  0.12158203,  0.09326172,
         0.26757812, -0.12353516,  0.08837891,  0.01190186,  0.01855469,
         0.01904297, -0.03149414, -0.05078125, -0.08447266,  0.08447266,
        -0.06079102, -0.00650024,  0.078125  , -0.14160156,  0.06835938,
        -0.03112793, -0.421875  ,  0.03088379, -0.09960938,  0.01306152,
         0.09619141,  0.04272461, -0.16699219,  0.06884766,  0.16113281,
         0.006073  ,  0.02392578,  0.06933594,  0.0456543 ,  0.06445312,
         0.06494141, -0.0378418 , -0.06591797, -0.06445312,  0.00741577,
        -0.02294922,  0.08691406, -0.00205994,  0.15039062, -0.2734375 ,
        -0.16113281,  0.02355957, -0.04541016,  0.02600098,  0.15039062,
        -0.02966309,  0.0625    , -0.07568359,  0.2890625 , -0.02185059,
        -0.18261719, -0.04931641, -0.1484375 , -0.03515625,  0.09716797,
        -0.10009766, -0.01544189,  0.10546875,  0.08789062,  0.05053711,
         0.06689453, -0.06982422, -0.05566406, -0.15429688, -0.11083984,
         0.13183594,  0.08691406, -0.27539062,  0.12451172, -0.06689453,
        -0.09863281,  0.16503906,  0.02050781,  0.11230469,  0.26171875,
        -0.00585938,  0.09082031,  0.13769531, -0.12890625,  0.19726562,
        -0.03735352, -0.02258301, -0.17089844, -0.07714844, -0.16601562,
        -0.26367188,  0.07861328, -0.03039551, -0.0246582 ,  0.03979492,
        -0.02478027,  0.11914062, -0.05151367,  0.09960938,  0.24804688,
         0.109375  , -0.11425781, -0.16503906,  0.07763672, -0.06689453,
        -0.30664062,  0.14257812, -0.03881836, -0.10839844, -0.08837891,
        -0.05102539, -0.1953125 , -0.29492188, -0.18359375,  0.04418945,
        -0.31445312, -0.09619141,  0.02429199, -0.08691406,  0.00656128,
        -0.16894531, -0.16210938,  0.11181641,  0.09912109, -0.19726562,
         0.13769531, -0.14257812,  0.0625    , -0.2890625 , -0.09521484,
        -0.18847656,  0.06445312, -0.09082031, -0.13964844, -0.25      ,
         0.02026367,  0.0324707 , -0.04418945, -0.00442505, -0.15234375,
        -0.01361084, -0.07910156,  0.1328125 , -0.06542969,  0.25585938,
        -0.10302734, -0.21582031, -0.09570312, -0.00708008,  0.22363281,
        -0.19628906,  0.10693359, -0.09814453, -0.20996094, -0.00430298,
        -0.06079102, -0.2578125 , -0.25390625, -0.09326172,  0.08984375,
        -0.0078125 , -0.09667969, -0.06054688,  0.0071106 , -0.001297  ,
        -0.06835938,  0.08447266,  0.17382812,  0.06689453,  0.09277344,
        -0.08886719,  0.00267029,  0.03222656,  0.08447266,  0.17089844,
         0.03881836,  0.17382812, -0.20019531, -0.00245667,  0.09765625,
         0.22851562, -0.17382812, -0.140625  , -0.14550781, -0.19824219,
        -0.10595703,  0.08251953, -0.06298828, -0.3046875 ,  0.25195312,
        -0.00570679, -0.1796875 , -0.21289062, -0.02600098, -0.09765625,
         0.04833984,  0.01373291, -0.26953125,  0.02648926,  0.05761719,
        -0.07861328, -0.1484375 ,  0.15820312, -0.20507812, -0.08935547,
         0.00723267, -0.12353516,  0.03515625, -0.06835938,  0.33398438,
         0.03735352, -0.04785156, -0.18554688, -0.125     , -0.04394531,
        -0.08740234,  0.06787109,  0.12255859, -0.09033203, -0.22558594,
```

```
         0.1015625 , -0.0006218 , -0.05737305,  0.06689453,  0.4453125 ,
        -0.00665283, -0.00946045, -0.09814453, -0.09472656, -0.04589844,
         0.09960938,  0.19628906,  0.0035553 , -0.02722168,  0.1328125 ],
       dtype=float32),
 'regarding': array([-1.58203125e-01, -3.80859375e-02,  1.18652344e-01, -2.
35351562e-01,
        -6.83593750e-02, -1.37329102e-02,  1.96289062e-01, -2.14843750e-02,
         9.96093750e-02,  1.62109375e-01, -2.32421875e-01, -6.34765625e-02,
        -2.05078125e-01,  8.49609375e-02,  6.17675781e-02, -9.03320312e-02,
         1.21582031e-01,  5.24902344e-02, -2.01171875e-01,  1.14257812e-01,
         2.85644531e-02,  7.71484375e-02, -1.60156250e-01,  1.82617188e-01,
        -1.76757812e-01,  2.10937500e-01, -7.47070312e-02,  2.08007812e-01,
        -2.27355957e-03,  1.12792969e-01,  1.96289062e-01, -2.22656250e-01,
        -9.42382812e-02,  1.63085938e-01, -2.89062500e-01,  1.76239014e-03,
         2.21679688e-01, -3.17382812e-02,  1.67968750e-01, -1.90429688e-01,
        -1.15722656e-01,  7.62939453e-03, -2.26562500e-01,  3.56445312e-02,
        -5.17578125e-02, -1.82617188e-01, -1.06445312e-01, -7.12890625e-02,
         6.29425049e-05, -5.61523438e-02,  8.20312500e-02,  9.61914062e-02,
        -1.42578125e-01,  2.89306641e-02, -1.92382812e-01,  8.64257812e-02,
        -9.71679688e-02, -1.72851562e-01,  2.75390625e-01, -1.77734375e-01,
        -7.42187500e-02, -3.83300781e-02, -1.48773193e-03,  5.17578125e-02,
        -9.47265625e-02,  3.54003906e-02, -1.38854980e-03,  2.04101562e-01,
        -1.18164062e-01, -4.29687500e-02,  2.04467773e-03, -1.15722656e-01,
         8.44726562e-02,  1.83593750e-01, -4.56542969e-02,  4.68750000e-02,
         1.39648438e-01,  1.56250000e-01,  1.69677734e-02,  3.98437500e-01,
         1.64794922e-02, -5.49316406e-02, -7.17773438e-02, -6.25000000e-02,
         4.73632812e-02, -2.43164062e-01, -2.51953125e-01, -5.61523438e-02,
        -1.75781250e-01,  2.44140625e-01,  2.92968750e-01, -5.68847656e-02,
         5.37109375e-02,  1.49414062e-01, -6.28662109e-03, -7.27539062e-02,
         7.66601562e-02, -4.29687500e-02,  1.82617188e-01,  2.49023438e-01,
         1.69921875e-01, -3.80859375e-02, -6.37817383e-03, -1.35742188e-01,
        -4.63867188e-02, -1.02050781e-01, -1.43554688e-01, -1.40625000e-01,
        -7.37304688e-02, -1.42578125e-01, -1.63085938e-01, -1.60217285e-03,
        -1.03515625e-01,  2.70996094e-02, -6.44531250e-02,  4.29687500e-02,
         1.11816406e-01,  1.58203125e-01,  2.75390625e-01,  1.28906250e-01,
        -1.26953125e-02,  9.86328125e-02, -9.22851562e-02,  9.64355469e-03,
        -4.66308594e-02, -3.78417969e-02, -2.37304688e-01, -4.95605469e-02,
         3.78417969e-02,  1.14746094e-02, -2.04101562e-01, -2.41210938e-01,
        -2.63671875e-01,  1.47094727e-02,  1.01562500e-01, -5.15136719e-02,
         1.12304688e-01,  7.26318359e-03,  1.18652344e-01, -7.27539062e-02,
         1.33789062e-01,  2.61718750e-01, -3.10058594e-02,  2.26562500e-01,
         4.68750000e-02,  1.27929688e-01, -5.15136719e-02, -1.04492188e-01,
        -1.67968750e-01,  2.25585938e-01,  2.09960938e-01,  4.22363281e-02,
        -1.54296875e-01, -1.21093750e-01, -1.90429688e-02,  5.76171875e-02,
         1.10351562e-01, -4.46777344e-02, -2.67333984e-02,  1.78710938e-01,
         1.40625000e-01, -1.46484375e-01,  1.37939453e-02, -1.55273438e-01,
        -1.17187500e-01,  8.25195312e-02, -7.22656250e-02,  2.02148438e-01,
         1.75781250e-02, -4.58984375e-02,  3.00292969e-02, -1.25122070e-02,
         1.58203125e-01, -1.86523438e-01,  6.68945312e-02, -4.83398438e-02,
        -3.68652344e-02,  1.13769531e-01, -2.83203125e-02, -7.76367188e-02,
        -3.66210938e-02,  6.44531250e-02,  1.70898438e-01,  3.61328125e-02,
        -2.49023438e-02, -4.51660156e-02, -1.43554688e-01, -3.95507812e-02,
         4.95605469e-02,  2.91015625e-01, -6.89697266e-03,  1.36718750e-01,
        -6.83593750e-02, -6.59179688e-02,  1.05468750e-01, -8.78906250e-02,
        -2.18750000e-01, -8.20312500e-02,  1.85546875e-01, -8.34960938e-02,
        -3.75976562e-02, -2.38037109e-03, -1.22558594e-01,  3.46679688e-02,
        -7.51953125e-02, -7.71484375e-02,  5.00488281e-02,  1.81640625e-01,
         3.68652344e-02,  7.86132812e-02,  1.43554688e-01, -8.64257812e-02,
        -8.74023438e-02,  9.17968750e-02, -6.88476562e-02, -1.00097656e-02,
         1.52343750e-01,  7.14111328e-03, -1.49414062e-01, -1.00585938e-01,
        -2.77099609e-02,  5.88378906e-02, -1.58203125e-01, -8.44726562e-02,
         3.12500000e-01, -2.04101562e-01, -4.66918945e-03, -1.10839844e-01,
         1.36718750e-01,  1.02539062e-02,  2.46093750e-01,  1.28906250e-01,
         3.54003906e-02,  1.14746094e-01,  1.64062500e-01, -8.30078125e-02,
```

```
         3.57421875e-01, -2.81250000e-01,  2.77099609e-02,  1.73339844e-02,
        -2.53906250e-02,  4.27246094e-02,  9.13085938e-02,  1.03515625e-01,
        -8.30078125e-02, -1.44195557e-03, -1.21093750e-01,  1.59179688e-01,
        -1.05957031e-01, -3.60107422e-03,  1.75781250e-01,  3.82812500e-01,
         5.56640625e-02, -3.08837891e-02,  1.28784180e-02, -1.47460938e-01,
         1.23046875e-01,  1.40625000e-01, -9.76562500e-02, -1.80053711e-03,
        -1.87988281e-02, -8.48388672e-03, -1.25976562e-01, -1.59912109e-02,
         6.29882812e-02,  1.68945312e-01,  2.12402344e-02, -2.02148438e-01,
        -6.59179688e-02, -2.35351562e-01, -3.17382812e-02,  1.09375000e-01,
         1.89453125e-01, -4.34570312e-02, -7.75146484e-03,  2.92968750e-02,
         4.85229492e-03, -2.43164062e-01, -7.71484375e-02,  3.05175781e-02,
         1.25000000e-01,  1.65039062e-01,  6.93359375e-02,  1.05957031e-01,
        -7.03125000e-02,  2.87109375e-01, -2.23388672e-02,  1.38671875e-01,
         1.22070312e-01, -8.83789062e-02, -6.29882812e-02,  4.39453125e-02,
         1.08398438e-01, -6.50024414e-03,  2.22656250e-01, -1.88476562e-01,
        -1.66015625e-01, -3.75976562e-02, -1.02539062e-01, -1.21093750e-0
1],
       dtype=float32),
 'age': array([ 1.55273438e-01,  2.08984375e-01, -1.51367188e-01, -3.271484
38e-02,
        -1.92871094e-02,  2.38037109e-02,  2.71484375e-01, -6.64062500e-02,
         1.41601562e-01,  1.74560547e-02,  7.47070312e-02, -1.07910156e-01,
        -2.51953125e-01, -2.43164062e-01, -1.35742188e-01, -1.81640625e-01,
         1.14257812e-01,  3.82812500e-01,  4.69970703e-03, -2.32421875e-01,
        -1.20117188e-01, -2.29492188e-01, -1.40625000e-01,  3.88183594e-02,
        -9.76562500e-02, -3.39843750e-01, -2.00195312e-01,  1.40625000e-01,
         1.75781250e-02, -7.17773438e-02, -1.47460938e-01, -1.20117188e-01,
        -2.18505859e-02,  6.34765625e-02, -4.80957031e-02,  7.22656250e-02,
         3.44238281e-02, -1.40625000e-01, -1.23046875e-01,  2.57812500e-01,
         3.34167480e-03,  2.38281250e-01,  1.11816406e-01, -2.13867188e-01,
         1.29882812e-01,  1.14746094e-01, -9.27734375e-02,  1.66015625e-01,
        -2.32421875e-01, -1.44531250e-01, -1.47460938e-01, -1.18652344e-01,
        -2.96875000e-01, -8.20312500e-02,  2.57812500e-01, -1.31225586e-02,
         1.26953125e-01, -1.68945312e-01, -3.45703125e-01, -2.68554688e-02,
         5.49316406e-02,  4.83398438e-02,  7.12890625e-02, -2.65625000e-01,
         2.63671875e-01, -1.28906250e-01, -5.61523438e-02,  2.94921875e-01,
         1.39648438e-01,  8.64257812e-02, -1.40625000e-01, -2.08984375e-01,
         1.08642578e-02,  3.12500000e-01, -1.25000000e-01,  1.26953125e-01,
        -3.93676758e-03,  6.25000000e-02,  7.66601562e-02,  4.19921875e-01,
         1.08886719e-01, -1.06445312e-01, -2.80761719e-02,  2.69531250e-01,
        -2.57812500e-01,  1.88476562e-01, -1.04492188e-01,  6.17675781e-02,
         2.31445312e-01,  1.46484375e-01,  1.43554688e-01, -9.22851562e-02,
        -2.55859375e-01,  2.29492188e-02,  3.80859375e-02, -1.13769531e-01,
         3.90625000e-01, -2.02148438e-01, -7.99560547e-03, -1.82617188e-01,
        -1.47460938e-01, -1.74560547e-02, -2.81250000e-01,  1.37695312e-01,
        -1.79687500e-01, -2.39257812e-01,  1.17675781e-01, -6.05468750e-02,
         1.42211914e-02,  1.03027344e-01,  2.85156250e-01,  5.83496094e-02,
        -1.27929688e-01, -4.95605469e-02, -6.83593750e-03,  9.52148438e-02,
        -8.98437500e-02, -8.10546875e-02,  3.24707031e-02, -1.92382812e-01,
        -2.83203125e-01,  7.47070312e-02,  3.34472656e-02,  1.37695312e-01,
         5.32226562e-02,  5.73730469e-02,  3.43750000e-01,  4.05273438e-02,
         1.30004883e-02,  2.41210938e-01, -1.75781250e-02, -2.33398438e-01,
        -2.92968750e-01, -1.26953125e-01, -1.27929688e-01,  2.78320312e-02,
        -1.39770508e-02, -1.00585938e-01, -1.04980469e-01,  1.17187500e-02,
        -3.64685059e-03, -8.44726562e-02, -2.01171875e-01,  1.14746094e-02,
         1.27929688e-01,  3.34472656e-02,  1.56250000e-01,  6.03027344e-02,
        -1.34765625e-01, -2.20703125e-01,  1.57470703e-02, -1.23535156e-01,
        -1.66992188e-01, -5.29785156e-02, -1.29882812e-01,  3.24707031e-02,
         2.72216797e-02, -1.71875000e-01,  1.41601562e-01, -2.87109375e-01,
         2.35595703e-02,  1.58691406e-02,  1.30859375e-01, -3.32031250e-02,
        -1.21582031e-01, -9.22851562e-02, -2.77343750e-01, -5.32226562e-02,
         4.90722656e-02,  2.90527344e-02,  5.76171875e-02, -2.98828125e-01,
         1.47460938e-01,  3.85742188e-02,  6.88476562e-02, -7.51953125e-02,
        -9.13085938e-02, -5.98144531e-02, -7.08007812e-03,  7.81250000e-02,
```

```
         1.02539062e-01, -3.26171875e-01, -8.44726562e-02,  5.05371094e-02,
         1.78222656e-02,  6.73828125e-02, -5.61523438e-02, -5.10253906e-02,
         1.38671875e-01,  7.66601562e-02,  1.14257812e-01,  5.66406250e-02,
        -1.58203125e-01, -1.79687500e-01,  6.68945312e-02,  2.31445312e-01,
         2.87109375e-01,  1.39648438e-01,  5.00488281e-03, -6.03027344e-02,
        -1.84570312e-01, -1.40625000e-01, -5.22460938e-02,  4.66308594e-02,
         6.44531250e-02, -9.13085938e-02, -1.12056732e-04, -3.34472656e-02,
         3.41796875e-02, -3.83300781e-02, -1.53320312e-01, -9.13085938e-02,
        -1.30615234e-02, -8.49609375e-02, -2.51953125e-01,  4.66918945e-03,
        -2.89062500e-01,  1.22558594e-01, -3.88183594e-02,  5.05371094e-02,
        -8.10546875e-02, -1.28906250e-01,  3.41796875e-01, -2.71484375e-01,
         1.76757812e-01, -1.04492188e-01,  1.13769531e-01, -2.04101562e-01,
        -1.98242188e-01, -5.61523438e-03,  1.22558594e-01, -3.04687500e-01,
        -1.48437500e-01,  7.89642334e-04, -3.66210938e-02, -5.66406250e-02,
         1.61132812e-01, -5.49316406e-02,  1.41601562e-02,  1.74804688e-01,
        -8.25195312e-02, -9.61914062e-02,  3.61328125e-02, -8.15429688e-02,
        -2.09960938e-01,  2.34375000e-01, -1.90429688e-01,  9.52148438e-02,
         7.78198242e-04, -4.54101562e-02,  2.83203125e-01, -2.24609375e-02,
         7.08007812e-02,  7.12890625e-02,  2.37304688e-01,  8.93554688e-02,
        -1.26342773e-02,  2.35351562e-01, -2.24609375e-01,  2.58789062e-02,
         1.86523438e-01, -3.06640625e-01,  5.68847656e-02, -7.42187500e-02,
         1.00097656e-01,  1.19140625e-01, -3.18359375e-01,  1.00097656e-02,
        -2.75878906e-02,  1.69677734e-02,  3.75976562e-02,  6.71386719e-03,
         1.09863281e-01, -2.74658203e-03,  1.15234375e-01,  1.59912109e-02,
         2.01416016e-02, -1.17187500e-01, -5.90820312e-02, -4.46777344e-02,
         4.51660156e-02,  1.48773193e-03, -1.29882812e-01,  3.68652344e-02,
        -2.11914062e-01, -7.91015625e-02,  1.28906250e-01,  1.97265625e-01,
        -1.11816406e-01,  1.15234375e-01,  1.78222656e-02,  8.34960938e-02,
        -2.63671875e-01, -3.96484375e-01, -1.38671875e-01, -6.68945312e-02,
        -8.39843750e-02, -6.64062500e-02, -1.73339844e-02,  8.83789062e-0
2],
       dtype=float32),
 'functionality': array([ 1.47460938e-01, -7.86132812e-02, -7.47070312e-02,
6.29882812e-02,
        -1.02539062e-01,  1.05468750e-01,  2.14843750e-01,  4.88281250e-02,
         1.44531250e-01,  4.57763672e-03, -5.17578125e-02,  3.66210938e-02,
         9.66796875e-02, -2.52685547e-02,  2.04101562e-01, -6.15234375e-02,
         3.61328125e-01,  2.19726562e-02, -1.66992188e-01, -2.87109375e-01,
         1.31225586e-02, -4.68750000e-02, -2.07031250e-01,  4.45312500e-01,
         7.86132812e-02,  1.98974609e-02, -9.91821289e-04,  1.03515625e-01,
         3.93066406e-02, -3.16406250e-01, -1.07421875e-01,  2.04101562e-01,
         2.83203125e-02, -8.69140625e-02, -4.05273438e-02, -3.37890625e-01,
         2.00195312e-01, -3.39843750e-01,  1.71875000e-01, -8.42285156e-03,
        -1.71875000e-01,  1.39648438e-01,  1.45507812e-01,  2.73437500e-01,
        -1.43432617e-02, -3.51562500e-01, -3.67187500e-01, -5.37109375e-02,
         1.35742188e-01, -4.27246094e-02, -1.25000000e-01, -2.07031250e-01,
        -1.91406250e-01, -4.08203125e-01,  2.58789062e-02,  2.69531250e-01,
         7.22656250e-02,  6.44531250e-02,  2.50000000e-01,  2.37304688e-01,
         3.85742188e-02, -3.02124023e-03, -1.25976562e-01, -1.64794922e-02,
        -2.59765625e-01,  8.20312500e-02, -1.47460938e-01,  1.15234375e-01,
         2.79541016e-02,  8.69140625e-02,  2.44140625e-01,  1.06933594e-01,
         7.23266602e-03, -1.14257812e-01, -3.02124023e-03, -4.23828125e-01,
         5.90820312e-02, -1.91406250e-01,  3.30078125e-01,  7.76367188e-02,
        -7.71484375e-02,  2.39257812e-01,  3.14331055e-03,  3.51562500e-02,
         2.21679688e-01, -1.46484375e-02, -5.93261719e-02,  1.99218750e-01,
        -9.91210938e-02,  2.46093750e-01,  1.29699707e-03, -3.41796875e-01,
        -2.19726562e-01, -2.61230469e-02, -4.44335938e-02, -4.71191406e-02,
        -3.55468750e-01,  3.19824219e-02, -7.12890625e-02, -2.68554688e-02,
        -5.49316406e-02, -5.12695312e-02, -9.32617188e-02, -1.06445312e-01,
         5.15136719e-02,  1.34765625e-01, -1.65039062e-01,  4.19921875e-01,
        -6.68334961e-03, -1.89453125e-01,  4.58984375e-02, -8.20312500e-02,
        -2.31742859e-04,  2.75390625e-01, -4.68750000e-02,  1.73828125e-01,
        -1.86767578e-02, -1.77734375e-01,  2.04101562e-01, -1.44531250e-01,
        -2.20703125e-01,  3.27148438e-02, -1.29882812e-01,  2.03125000e-01,
```

```
         4.35546875e-01,  3.61328125e-02, -4.10156250e-01,  3.43750000e-01,
         1.44531250e-01,  8.66699219e-03, -1.02539062e-01,  1.77734375e-01,
        -6.33239746e-04,  1.70898438e-01, -8.72802734e-03, -1.19628906e-01,
         4.74609375e-01,  7.93457031e-03,  3.56445312e-02,  5.09643555e-03,
        -3.95507812e-02, -2.28515625e-01,  4.27246094e-02, -3.11279297e-02,
         1.95312500e-01, -3.12500000e-02,  2.96875000e-01,  1.91406250e-01,
         3.63769531e-02, -1.10839844e-01, -1.31835938e-01,  4.85839844e-02,
        -1.25000000e-01, -5.37109375e-02,  9.32617188e-02, -3.22265625e-01,
        -2.85156250e-01,  1.40625000e-01, -2.12890625e-01, -1.46484375e-01,
        -1.80664062e-01,  9.33837891e-03, -2.71484375e-01,  3.28125000e-01,
        -1.17675781e-01, -3.06640625e-01, -3.78417969e-02,  1.46484375e-01,
        -2.07031250e-01,  1.29882812e-01, -5.44433594e-02, -4.12597656e-02,
        -2.34375000e-01, -4.98046875e-02, -7.27539062e-02, -1.53320312e-01,
         3.53515625e-01, -3.22265625e-01, -3.16406250e-01, -6.54296875e-02,
        -4.06250000e-01,  9.71679688e-02, -2.53906250e-02, -2.65625000e-01,
        -2.57873535e-03, -2.50000000e-01,  5.12695312e-03, -1.64794922e-02,
         1.32446289e-02, -3.45703125e-01, -3.43750000e-01, -3.12500000e-01,
        -2.69531250e-01,  5.10253906e-02, -3.10546875e-01,  1.99218750e-01,
         1.98242188e-01,  5.61523438e-02, -4.90722656e-02, -2.87109375e-01,
        -4.41894531e-02, -7.71484375e-02, -2.07031250e-01,  5.17578125e-02,
        -1.76757812e-01,  3.97949219e-02, -9.32617188e-02, -1.92382812e-01,
         1.80664062e-02, -1.19628906e-02,  1.60156250e-01, -4.98046875e-02,
        -3.44238281e-02,  2.36328125e-01, -3.43750000e-01, -2.35351562e-01,
         2.44140625e-01,  5.39550781e-02, -2.79296875e-01,  3.95507812e-02,
        -1.09375000e-01,  6.73828125e-02, -1.32812500e-01, -1.40380859e-02,
        -3.06640625e-01, -8.74023438e-02, -1.44531250e-01, -8.15429688e-02,
         6.44531250e-02, -2.34375000e-01, -2.06054688e-01,  3.54003906e-02,
         1.72851562e-01, -1.09375000e-01, -1.78710938e-01,  4.95605469e-02,
        -2.00195312e-01,  1.99218750e-01,  2.57812500e-01,  9.08203125e-02,
         1.96289062e-01, -4.32128906e-02,  1.20239258e-02, -1.39648438e-01,
         2.55859375e-01, -9.17968750e-02, -1.78710938e-01,  3.63281250e-01,
         2.09960938e-01, -2.83203125e-01,  4.90722656e-02,  4.27246094e-02,
        -2.30468750e-01, -1.68945312e-01, -1.17675781e-01, -2.59765625e-01,
        -5.37109375e-02, -1.54296875e-01, -2.68554688e-03,  6.83593750e-02,
         3.80859375e-01, -2.04101562e-01, -6.29882812e-02,  6.68945312e-02,
        -1.62109375e-01, -6.64062500e-02,  6.54296875e-02, -3.51562500e-01,
        -2.10937500e-01, -2.34375000e-01,  1.94335938e-01, -5.22460938e-02,
        -1.73828125e-01, -8.85009766e-03, -9.61914062e-02, -9.42382812e-02,
         2.77343750e-01, -5.39550781e-02, -5.71289062e-02, -1.72119141e-02,
        -2.83203125e-01,  6.83593750e-02,  2.17773438e-01,  2.47070312e-01,
        -1.26953125e-01,  1.28784180e-02, -1.64794922e-02, -8.59375000e-02,
         7.47070312e-02,  3.41796875e-02, -2.38281250e-01,  1.03515625e-01,
         4.44335938e-02, -1.13281250e-01,  1.71875000e-01,  1.53320312e-01,
         3.97949219e-02, -9.27734375e-02, -1.90429688e-02,  9.96093750e-0
2],
       dtype=float32),
 'minimal': array([ 2.11914062e-01, -6.22558594e-02, -3.24218750e-01,  1.34
765625e-01,
        -1.72851562e-01,  8.93554688e-02,  1.15722656e-01, -1.28906250e-01,
         2.71484375e-01, -4.12597656e-02, -1.39648438e-01, -1.94335938e-01,
        -3.75976562e-02,  4.46777344e-02, -6.03027344e-02,  2.51464844e-02,
         2.16796875e-01,  4.27246094e-02, -2.58789062e-02,  1.18164062e-01,
         2.68554688e-02,  4.54101562e-02, -3.06640625e-01, -1.04980469e-02,
         3.46374512e-03, -1.76757812e-01, -2.27539062e-01,  1.47705078e-02,
         1.03515625e-01, -1.16210938e-01, -1.27929688e-01, -1.69921875e-01,
        -8.39843750e-02, -7.86132812e-02, -1.66992188e-01, -2.44140625e-01,
        -2.29492188e-02,  4.19921875e-02,  9.81445312e-02,  7.12890625e-02,
         2.33398438e-01,  1.27929688e-01,  2.73437500e-01,  3.99780273e-03,
        -1.65039062e-01, -5.81054688e-02, -2.22167969e-02,  1.44531250e-01,
         1.50390625e-01, -1.98242188e-01,  1.07910156e-01, -1.16210938e-01,
        -1.55273438e-01, -5.90820312e-02, -1.73339844e-02, -1.26953125e-01,
        -1.67236328e-02, -2.46093750e-01,  1.95312500e-01, -2.13867188e-01,
        -1.98242188e-01,  9.86328125e-02, -4.05273438e-02, -7.91015625e-02,
         7.95898438e-02,  1.40991211e-02,  7.47070312e-02,  1.06445312e-01,
```

```
        -1.66015625e-01,  6.64062500e-02,  1.40625000e-01,  5.27343750e-02,
        -1.11694336e-02,  3.66210938e-02, -3.69140625e-01, -1.05957031e-01,
         1.36718750e-01, -1.27563477e-02, -1.83593750e-01,  7.22656250e-02,
         2.01416016e-02, -7.12890625e-02, -1.87500000e-01,  7.17773438e-02,
        -7.27539062e-02, -3.24218750e-01, -1.56250000e-02,  3.92578125e-01,
         9.37500000e-02,  2.30712891e-02,  1.69921875e-01, -1.97265625e-01,
        -4.00390625e-02,  5.68847656e-02,  3.19824219e-02,  1.27929688e-01,
        -1.76757812e-01,  2.37304688e-01, -2.27539062e-01,  8.15429688e-02,
        -7.51953125e-02,  1.19628906e-01, -1.42578125e-01, -1.56250000e-01,
        -1.62109375e-01, -8.54492188e-03,  1.40625000e-01, -1.50390625e-01,
         2.77343750e-01, -3.57421875e-01, -7.47070312e-02,  4.58984375e-02,
        -8.64257812e-02, -4.78515625e-02,  5.85937500e-03, -1.31225586e-02,
         3.41796875e-01,  4.21524048e-04, -1.26953125e-01,  2.77343750e-01,
        -1.48437500e-01,  5.54199219e-02,  7.76367188e-02,  1.80664062e-01,
         1.83593750e-01,  2.87109375e-01, -5.49316406e-02, -6.10351562e-02,
         1.26953125e-01,  1.29882812e-01,  1.17675781e-01, -5.34667969e-02,
        -5.56640625e-02,  1.63085938e-01,  7.44628906e-03, -2.71484375e-01,
         1.40625000e-01,  1.56250000e-01,  6.29882812e-02, -5.71289062e-02,
        -1.38671875e-01, -1.63085938e-01,  3.24707031e-02,  1.85546875e-01,
        -8.54492188e-02, -9.71679688e-02, -8.72802734e-03,  1.04492188e-01,
        -2.61230469e-02,  1.14746094e-01,  3.41796875e-02, -5.66406250e-02,
         1.62109375e-01,  1.16699219e-01,  3.72314453e-03, -3.73535156e-02,
        -6.98242188e-02, -1.08642578e-02, -9.37500000e-02,  1.62109375e-01,
         5.44433594e-02,  2.20703125e-01,  8.05664062e-02,  8.00781250e-02,
         1.52343750e-01,  1.39770508e-02, -1.78710938e-01,  1.20605469e-01,
        -1.26838684e-04, -2.30468750e-01, -9.42382812e-02, -1.52343750e-01,
        -4.79125977e-03, -1.43432617e-02,  1.00585938e-01, -3.14941406e-02,
         1.90429688e-02, -1.38671875e-01, -1.13769531e-01,  1.69677734e-02,
        -3.68652344e-02,  7.91015625e-02,  2.69531250e-01,  2.29492188e-01,
        -1.78710938e-01,  5.54199219e-02,  1.58203125e-01, -2.92968750e-01,
        -1.80664062e-01,  1.56250000e-01, -2.98828125e-01, -6.44531250e-02,
         6.64062500e-02, -9.42382812e-02, -1.80664062e-02, -1.29882812e-01,
        -1.15234375e-01, -1.49414062e-01, -1.73828125e-01, -2.13867188e-01,
         1.78710938e-01,  2.37304688e-01,  2.17773438e-01, -9.46044922e-03,
         2.15820312e-01,  6.10351562e-02, -3.22265625e-01,  6.25000000e-02,
        -4.02832031e-02, -6.56127930e-03,  2.08740234e-02, -4.00390625e-02,
        -1.64062500e-01,  4.05273438e-02,  1.86767578e-02, -9.96093750e-02,
         1.83105469e-02, -3.14941406e-02, -1.96533203e-02,  1.69372559e-03,
         1.87500000e-01,  1.14746094e-01, -1.71875000e-01, -1.98242188e-01,
        -1.81640625e-01, -5.43212891e-03,  4.51660156e-02,  1.40625000e-01,
         1.96289062e-01,  5.81054688e-02,  6.54296875e-02, -7.69042969e-03,
         2.33398438e-01, -6.64062500e-02, -1.82617188e-01, -8.25195312e-02,
         3.44238281e-02, -4.71191406e-02,  2.09045410e-03, -9.17968750e-02,
        -2.42919922e-02,  2.33154297e-02,  1.22558594e-01, -1.69921875e-01,
        -4.85839844e-02, -3.02734375e-01, -9.86328125e-02, -4.61425781e-02,
        -1.39648438e-01, -1.48437500e-01,  7.17773438e-02,  2.26562500e-01,
        -1.19018555e-02, -2.92968750e-02,  2.25585938e-01, -1.30859375e-01,
        -1.04003906e-01,  2.16796875e-01, -1.50390625e-01,  1.05957031e-01,
         1.64062500e-01, -2.48046875e-01, -1.65039062e-01, -9.42382812e-02,
         1.60217285e-03,  5.27954102e-03, -2.33398438e-01, -2.03125000e-01,
        -3.00292969e-02, -6.25000000e-02, -1.17797852e-02,  1.77734375e-01,
        -7.08007812e-02, -4.12597656e-02, -1.73828125e-01, -8.39843750e-02,
        -6.49414062e-02,  8.64257812e-02,  1.05468750e-01,  1.52343750e-01,
         2.99072266e-02,  2.26562500e-01,  1.62109375e-01, -5.27343750e-02,
        -9.47265625e-02, -2.09045410e-03,  3.51562500e-02,  1.04980469e-01,
        -4.93164062e-02,  8.60595703e-03, -3.22265625e-01,  7.56835938e-02,
         7.37304688e-02,  1.98242188e-01, -3.12805176e-03,  2.91015625e-01,
        -1.26647949e-03, -1.68945312e-01, -3.66210938e-02, -2.70996094e-0
2],
       dtype=float32),
 'direction': array([ 3.78417969e-02, -1.58203125e-01, -1.78222656e-02, -1.
55273438e-01,
        -2.26562500e-01, -2.06054688e-01, -5.40161133e-03, -4.08203125e-01,
        -3.00292969e-02,  1.55273438e-01, -5.20019531e-02,  1.79687500e-01,
```

```
 1.68945312e-01,  6.15234375e-02, -7.61718750e-02,  2.06298828e-02,
-1.75781250e-01,  1.01074219e-01, -3.72314453e-03, -3.94531250e-01,
 1.97265625e-01,  2.77343750e-01,  1.66992188e-01,  9.91210938e-02,
 3.95507812e-02,  4.83398438e-02,  4.51660156e-02, -8.30078125e-02,
-8.44726562e-02,  1.86523438e-01, -2.92968750e-01, -7.22656250e-02,
-1.43554688e-01,  1.55273438e-01, -2.56347656e-02,  1.19140625e-01,
-3.00292969e-02, -2.62451172e-03, -5.55419922e-03, -1.38671875e-01,
-1.02050781e-01, -2.03857422e-02, -1.12915039e-02, -1.13281250e-01,
-2.02148438e-01, -5.49316406e-02,  1.57470703e-02, -1.52587891e-02,
 4.93164062e-02,  7.08007812e-03, -1.25976562e-01,  6.83593750e-02,
 3.73535156e-02, -1.89453125e-01, -4.68750000e-02,  1.35498047e-02,
 1.69921875e-01,  5.54199219e-02, -1.74804688e-01, -1.92382812e-01,
-8.30078125e-02,  9.61914062e-02,  7.42187500e-02, -1.84570312e-01,
-1.39770508e-02, -7.66601562e-02,  2.24609375e-01,  2.55859375e-01,
-4.63867188e-02,  3.49121094e-02, -2.18750000e-01, -8.74023438e-02,
 2.22656250e-01, -5.73730469e-02, -8.25195312e-02, -1.15722656e-01,
-9.52148438e-03,  2.05078125e-01,  4.15039062e-02,  2.81250000e-01,
 5.78125000e-01,  1.86767578e-02,  2.30468750e-01, -5.56640625e-02,
 2.08007812e-01,  9.32617188e-02, -8.34960938e-02, -1.06933594e-01,
 1.61132812e-01,  2.21679688e-01,  6.15234375e-02,  1.00097656e-01,
 1.04492188e-01, -6.15234375e-02,  7.08007812e-02, -5.12695312e-02,
 1.09863281e-01, -4.24194336e-03, -2.63671875e-01, -7.76367188e-02,
 9.23156738e-04, -3.78417969e-02,  1.37695312e-01,  1.04980469e-01,
-1.17187500e-02, -1.96289062e-01, -5.44433594e-02, -9.27734375e-02,
-5.40161133e-03, -1.51062012e-03, -1.83105469e-02, -1.23046875e-01,
 3.93066406e-02,  1.93359375e-01,  1.45507812e-01,  8.39843750e-02,
 2.79296875e-01, -3.93066406e-02, -8.78906250e-02,  8.73565674e-04,
-1.52587891e-02,  1.11694336e-02, -4.85229492e-03,  1.29882812e-01,
-8.88671875e-02, -7.81250000e-02, -3.26171875e-01, -4.27246094e-02,
-2.40234375e-01,  2.21679688e-01, -3.71093750e-01, -2.24609375e-01,
-2.94189453e-02,  1.58203125e-01,  2.75390625e-01, -1.52587891e-02,
 1.47460938e-01, -5.83496094e-02,  1.46484375e-01,  1.31835938e-01,
-7.86132812e-02,  1.49536133e-02, -1.84570312e-01,  5.54199219e-02,
-3.51562500e-02,  2.79541016e-02,  5.71289062e-02, -1.42578125e-01,
-5.51757812e-02,  1.74804688e-01,  2.95410156e-02, -8.30078125e-02,
-2.06054688e-01,  3.78906250e-01, -1.41601562e-01,  7.86132812e-02,
-7.95898438e-02, -8.05664062e-02,  2.43164062e-01,  1.23046875e-01,
-1.17187500e-01,  1.20605469e-01,  3.47656250e-01,  1.99218750e-01,
 5.31005859e-03, -2.94921875e-01,  3.56445312e-02,  1.60156250e-01,
 2.20703125e-01, -1.66015625e-01, -6.22558594e-03, -1.29882812e-01,
 1.54296875e-01, -1.50390625e-01,  1.83593750e-01, -2.08984375e-01,
 1.27929688e-01, -2.79296875e-01,  3.56445312e-02, -1.75781250e-01,
-3.73046875e-01,  5.76171875e-02,  7.51953125e-02, -1.49414062e-01,
-5.15136719e-02, -8.34960938e-02,  2.69531250e-01,  2.46093750e-01,
-5.46875000e-02,  9.61303711e-04,  4.06250000e-01,  1.32812500e-01,
-1.50390625e-01, -1.31835938e-01, -2.57812500e-01, -1.65039062e-01,
-1.27929688e-01,  2.83203125e-01,  1.11083984e-02,  1.55273438e-01,
 6.77490234e-03, -1.33789062e-01,  7.55310059e-04, -3.95507812e-02,
 1.09863281e-03, -1.12304688e-01,  6.83593750e-02, -3.27148438e-02,
 1.93359375e-01,  6.56127930e-03,  1.24511719e-01, -1.42578125e-01,
-1.36718750e-01,  1.29882812e-01, -2.23388672e-02, -4.61425781e-02,
 1.75781250e-01,  2.73437500e-02,  3.70788574e-03,  6.73828125e-02,
-9.71679688e-02, -2.08740234e-02, -1.81640625e-01,  1.00097656e-01,
-2.15820312e-01, -6.59179688e-02,  1.32812500e-01, -1.05468750e-01,
-2.48046875e-01,  2.08007812e-01,  1.55029297e-02, -1.49414062e-01,
-2.44140625e-02, -1.00585938e-01,  2.27539062e-01,  1.66992188e-01,
-7.81250000e-02,  4.05273438e-02,  2.45117188e-01,  1.48437500e-01,
-2.01171875e-01, -1.77001953e-02,  5.76171875e-02, -1.05957031e-01,
 4.05273438e-02, -1.65039062e-01,  2.38037109e-03,  5.02929688e-02,
 1.66015625e-01, -7.03125000e-02,  9.76562500e-02,  1.88476562e-01,
-1.48437500e-01,  9.22851562e-02, -7.76367188e-02, -1.66015625e-01,
 6.10351562e-02,  2.06054688e-01, -1.95312500e-01, -1.60156250e-01,
-4.22363281e-02, -8.64257812e-02, -4.18090820e-03, -9.57031250e-02,
 8.05664062e-02,  1.88476562e-01, -2.36328125e-01, -2.87109375e-01,
```

```
        -2.36328125e-01, -1.25976562e-01, -5.20019531e-02, -1.87988281e-02,
         1.36718750e-01,  2.53906250e-01, -1.65039062e-01, -2.56347656e-02,
        -3.92578125e-01, -1.32812500e-01,  2.83203125e-01, -3.75976562e-02,
        -1.86523438e-01, -6.88476562e-02,  3.10897827e-04,  2.35595703e-02,
         3.58886719e-02,  3.30078125e-01, -7.51953125e-02, -2.50000000e-01,
         2.37304688e-01, -5.85937500e-02, -2.02148438e-01,  1.61132812e-01,
         9.17968750e-02, -1.38671875e-01,  3.44238281e-02,  1.07910156e-01,
         2.46093750e-01,  2.79296875e-01,  3.14941406e-02,  8.00781250e-0
2],
       dtype=float32),
 'word': array([ 3.59375000e-01,  4.15039062e-02,  9.03320312e-02,  5.46875
000e-02,
        -1.47460938e-01,  4.76074219e-02, -8.49609375e-02, -2.04101562e-01,
         3.10546875e-01, -1.05590820e-02, -6.15234375e-02, -1.55273438e-01,
        -1.52343750e-01,  8.54492188e-02, -2.70996094e-02,  3.84765625e-01,
         4.78515625e-02,  2.58789062e-02,  4.49218750e-02, -2.79296875e-01,
         9.09423828e-03,  4.08203125e-01,  2.40234375e-01, -3.06640625e-01,
        -1.80664062e-01,  4.73632812e-02, -2.63671875e-01,  9.08203125e-02,
         1.37695312e-01, -7.20977783e-04,  2.67333984e-02,  1.92382812e-01,
        -2.29492188e-02,  9.70458984e-03, -7.37304688e-02,  4.29687500e-01,
        -7.93457031e-03,  1.06445312e-01,  2.80761719e-02, -2.29492188e-01,
        -1.91650391e-02, -2.36816406e-02,  3.51562500e-02,  1.71875000e-01,
        -1.12304688e-01,  6.25000000e-02, -1.69921875e-01,  1.29882812e-01,
        -1.54296875e-01,  1.58203125e-01, -7.76367188e-02,  1.78710938e-01,
        -1.72851562e-01,  9.96093750e-02,  3.94531250e-01,  6.44531250e-02,
        -6.83593750e-02, -3.18359375e-01,  5.95703125e-02, -1.02539062e-02,
         9.37500000e-02,  8.25195312e-02, -2.52685547e-02,  1.09863281e-01,
        -6.73828125e-02, -1.70898438e-01,  6.78710938e-02,  1.04492188e-01,
        -2.11914062e-01,  1.30859375e-01, -1.24573708e-05,  1.85546875e-02,
        -1.61132812e-01, -8.00781250e-02,  9.42382812e-02, -8.78906250e-02,
         1.82617188e-01, -2.48718262e-03,  8.74023438e-02,  1.75781250e-01,
        -2.17285156e-02, -1.96289062e-01,  9.52148438e-02, -5.15136719e-02,
         1.01928711e-02,  6.22558594e-02, -2.13867188e-01,  2.25585938e-01,
         2.46093750e-01, -6.12792969e-02,  1.74560547e-02, -1.46484375e-01,
         3.93676758e-03, -1.62109375e-01, -1.10839844e-01,  6.88476562e-02,
        -1.83593750e-01,  1.13281250e-01,  9.08203125e-02, -1.64062500e-01,
        -3.71093750e-01, -5.39550781e-02, -8.66699219e-03, -1.18164062e-01,
        -5.93261719e-02,  8.74023438e-02, -1.98242188e-01, -1.36718750e-01,
         6.39648438e-02, -1.88476562e-01, -2.96875000e-01,  6.39648438e-02,
         2.16796875e-01, -7.71484375e-02,  1.13769531e-01,  1.96533203e-02,
         2.31445312e-01,  6.59179688e-02,  1.02539062e-01, -6.39648438e-02,
        -1.48437500e-01, -5.59082031e-02, -2.43164062e-01,  2.71484375e-01,
         1.83593750e-01,  3.06396484e-02, -2.01416016e-02, -1.53320312e-01,
         7.08007812e-02, -2.35595703e-02, -9.66796875e-02, -2.83203125e-01,
        -2.57568359e-02, -7.42187500e-02, -4.27246094e-02,  6.98242188e-02,
        -1.74804688e-01,  2.27539062e-01,  2.92968750e-01, -1.86767578e-02,
         2.94921875e-01, -1.12304688e-01,  4.85839844e-02, -2.15820312e-01,
         1.03149414e-02, -1.14257812e-01, -6.39648438e-02,  7.27539062e-02,
        -1.47460938e-01, -2.16796875e-01,  1.32812500e-01,  1.83593750e-01,
        -1.48437500e-01, -1.31835938e-01, -3.73535156e-02,  1.19628906e-01,
        -2.01171875e-01,  1.00097656e-01, -8.93554688e-02,  1.23596191e-03,
         7.17773438e-02,  1.42578125e-01, -3.03955078e-02, -1.89453125e-01,
        -8.88671875e-02,  3.83300781e-02, -1.74804688e-01, -3.66210938e-03,
        -2.08007812e-01,  8.97216797e-03,  2.35351562e-01,  1.06933594e-01,
        -2.65625000e-01, -2.16796875e-01,  7.08007812e-02,  9.08203125e-02,
         3.00781250e-01, -1.07421875e-01,  1.01562500e-01, -6.25000000e-02,
         1.33789062e-01, -1.62353516e-02,  2.50000000e-01, -1.72851562e-01,
         3.32031250e-01,  1.12304688e-01, -1.47705078e-02, -1.04980469e-01,
        -8.05664062e-02,  3.30078125e-01,  9.32617188e-02, -1.47460938e-01,
        -2.05078125e-01, -7.56835938e-02, -1.04492188e-01,  6.25000000e-02,
        -2.02148438e-01, -1.09375000e-01, -8.05664062e-02,  5.49316406e-02,
        -8.88671875e-02,  5.24902344e-02, -2.23632812e-01,  5.17578125e-02,
        -1.83593750e-01, -6.73828125e-02, -9.13085938e-02,  1.29882812e-01,
        -2.31933594e-02, -1.04003906e-01,  1.79687500e-01,  8.34960938e-02,
```

```
        -8.78906250e-02, -2.17773438e-01, -6.34765625e-02,  1.33789062e-01,
         1.62109375e-01,  2.87109375e-01, -1.14257812e-01,  6.05468750e-02,
         1.49414062e-01, -3.08227539e-03,  1.96289062e-01, -8.98437500e-02,
         1.45507812e-01,  1.02539062e-02,  1.22070312e-02,  3.20312500e-01,
         1.24511719e-01,  1.20849609e-02, -1.78710938e-01,  3.71093750e-02,
         6.98242188e-02,  1.62109375e-01,  9.86328125e-02, -2.61718750e-01,
         1.89453125e-01, -2.83203125e-02,  4.06250000e-01,  3.56445312e-02,
         3.10058594e-02,  2.27050781e-02,  1.30859375e-01, -1.05957031e-01,
         8.69140625e-02, -9.76562500e-02,  1.89453125e-01,  3.17382812e-02,
         1.10351562e-01,  2.11914062e-01, -1.66992188e-01,  1.45263672e-02,
         1.15234375e-01,  1.59179688e-01,  9.91210938e-02, -2.40234375e-01,
        -2.34375000e-01,  1.74804688e-01,  1.20605469e-01, -3.67187500e-01,
        -7.81250000e-02,  1.10839844e-01, -3.35937500e-01, -9.81445312e-02,
        -7.47070312e-02, -1.89453125e-01,  7.81250000e-02, -2.53906250e-01,
        -6.03027344e-02, -2.46093750e-01, -9.37500000e-02,  8.64257812e-02,
         1.15722656e-01, -1.24511719e-01,  1.61132812e-01, -6.03027344e-02,
        -2.47070312e-01, -9.52148438e-02, -4.05273438e-02,  2.51953125e-01,
        -1.95312500e-01, -1.31835938e-01,  6.88476562e-02,  2.67333984e-02,
         1.03027344e-01,  1.05957031e-01, -3.01513672e-02,  3.04687500e-01,
        -8.74023438e-02,  1.19140625e-01, -1.74560547e-02,  8.78906250e-03,
        -1.38671875e-01, -2.85156250e-01,  2.29492188e-01, -3.55468750e-01,
         9.52148438e-03, -4.07714844e-02, -8.88671875e-02, -1.39160156e-0
2],
       dtype=float32),
 'excel': array([-1.86523438e-01,  1.02050781e-01, -1.83593750e-01, -5.4443
3594e-02,
         6.93359375e-02,  9.66796875e-02,  1.79687500e-01,  2.18200684e-03,
        -2.32421875e-01,  1.58691406e-02,  1.26953125e-01, -4.15802002e-04,
         1.20605469e-01,  3.95507812e-02, -3.14941406e-02,  1.57226562e-01,
        -5.46875000e-02,  3.53515625e-01,  9.13085938e-02, -1.02539062e-01,
        -2.84423828e-02,  3.02734375e-02, -1.08886719e-01,  1.71875000e-01,
         7.22656250e-02, -1.66015625e-01,  5.07812500e-02, -2.91015625e-01,
        -7.91015625e-02, -4.80957031e-02,  4.02832031e-02,  1.25122070e-02,
         1.27929688e-01, -3.07617188e-02,  1.72851562e-01,  1.04492188e-01,
         5.98144531e-02,  3.85742188e-02,  9.42382812e-02, -5.07812500e-02,
         4.37500000e-01,  2.33398438e-01, -4.61425781e-02,  1.69921875e-01,
        -1.31835938e-01,  6.20117188e-02, -2.98828125e-01, -1.30859375e-01,
        -1.31835938e-01,  1.53320312e-01, -2.07031250e-01,  6.34765625e-02,
        -4.63867188e-02, -6.39648438e-02, -5.98144531e-02, -1.66992188e-01,
         2.16796875e-01, -2.45117188e-01, -1.07910156e-01, -9.76562500e-02,
        -5.17578125e-02, -8.00781250e-02, -1.63085938e-01, -1.22070312e-01,
        -2.55126953e-02,  2.80761719e-02, -8.93554688e-02,  5.54199219e-02,
         2.80761719e-02,  3.47656250e-01, -9.03320312e-03, -1.84570312e-01,
         1.75781250e-01,  5.83496094e-02, -1.36718750e-01, -3.12500000e-01,
        -1.49414062e-01, -1.24023438e-01,  8.25195312e-02,  9.52148438e-03,
        -9.52148438e-02,  2.44140625e-01, -5.56640625e-02,  1.96289062e-01,
         1.58203125e-01,  1.23046875e-01,  5.44433594e-02,  1.31835938e-01,
         2.84423828e-02,  2.94189453e-02,  4.76074219e-02, -2.16796875e-01,
         1.90429688e-02, -2.53906250e-01,  3.39843750e-01,  1.91497803e-03,
         4.78515625e-01,  3.80859375e-01,  1.06811523e-02, -2.22656250e-01,
        -3.86718750e-01, -6.71386719e-03,  3.61328125e-02,  3.75976562e-02,
        -2.69531250e-01, -1.40625000e-01, -2.30468750e-01, -5.67626953e-03,
         3.32031250e-01,  4.39453125e-03, -9.37500000e-02,  8.25195312e-02,
        -2.85156250e-01,  1.12792969e-01,  2.83203125e-01,  2.67333984e-02,
         2.24609375e-02, -3.90625000e-01,  7.86132812e-02, -2.04101562e-01,
        -1.69921875e-01, -1.11816406e-01,  1.26953125e-01,  1.82617188e-01,
        -2.85644531e-02, -2.37304688e-01, -3.63769531e-02, -4.66308594e-02,
        -2.12890625e-01,  3.06640625e-01, -8.88671875e-02,  4.88281250e-02,
         5.15136719e-02, -1.08398438e-01,  2.48046875e-01,  7.95898438e-02,
         2.09960938e-01, -5.05371094e-02, -2.00195312e-01,  1.12304688e-01,
        -1.54296875e-01, -3.26171875e-01,  5.15136719e-02, -1.34765625e-01,
        -2.24609375e-01, -1.04980469e-01,  1.99218750e-01,  2.29492188e-02,
         1.12792969e-01, -1.53320312e-01,  7.17773438e-02,  3.75000000e-01,
        -1.43554688e-01,  2.08007812e-01, -4.47265625e-01,  2.34375000e-01,
```

```
        -1.93786621e-03, -1.92382812e-01,  3.66210938e-02, -2.51953125e-01,
         9.86328125e-02,  6.73828125e-02, -1.54296875e-01, -1.00097656e-01,
         1.13769531e-01, -1.20117188e-01,  9.66796875e-02, -1.52343750e-01,
        -1.99218750e-01, -1.44042969e-02, -2.59765625e-01, -1.88476562e-01,
        -1.03027344e-01, -1.93359375e-01,  3.61328125e-02,  2.55859375e-01,
         1.72851562e-01, -2.73437500e-01, -1.10351562e-01, -1.56250000e-01,
        -2.22656250e-01, -1.26953125e-01, -2.30712891e-02, -5.54199219e-02,
        -2.83203125e-01, -2.63671875e-02,  4.49218750e-02, -5.39550781e-02,
        -9.13085938e-02, -5.66406250e-02,  1.65039062e-01, -3.32031250e-02,
         6.34765625e-02, -1.25976562e-01,  9.66796875e-02, -5.71289062e-02,
         3.39843750e-01, -2.05078125e-01, -1.57226562e-01, -8.20312500e-02,
        -8.20312500e-02, -5.20019531e-02, -2.52685547e-02, -1.98242188e-01,
        -1.96289062e-01, -3.04687500e-01,  4.57763672e-03, -2.85156250e-01,
         8.10546875e-02, -1.40380859e-02,  1.38671875e-01,  1.73339844e-02,
        -1.88476562e-01, -1.42822266e-02, -2.11914062e-01, -1.05468750e-01,
         2.43164062e-01, -6.03027344e-02, -1.86523438e-01, -3.59375000e-01,
        -2.81250000e-01, -1.85546875e-01, -1.30859375e-01,  1.11816406e-01,
         3.95507812e-02,  2.71484375e-01,  1.29882812e-01, -7.47070312e-02,
        -1.31835938e-01,  8.93554688e-02, -1.64794922e-02,  1.23535156e-01,
         6.54296875e-02,  1.11816406e-01,  1.61132812e-01,  1.94091797e-02,
        -2.03125000e-01, -1.92382812e-01,  1.07910156e-01,  1.29882812e-01,
        -2.50000000e-01,  8.60595703e-03, -2.31445312e-01, -1.06933594e-01,
        -3.34472656e-02,  3.19824219e-02, -1.49414062e-01, -1.36718750e-01,
        -1.48437500e-01, -1.86523438e-01,  1.51367188e-01,  4.08935547e-03,
        -4.78515625e-02,  2.17773438e-01,  4.76074219e-02, -1.12304688e-01,
        -2.27539062e-01,  8.74023438e-02, -1.33789062e-01,  1.72851562e-01,
         2.21679688e-01,  1.28906250e-01, -2.18750000e-01,  1.49414062e-01,
         3.24218750e-01,  2.34375000e-01,  8.30078125e-02,  9.37500000e-02,
        -5.46264648e-03, -8.49609375e-02, -2.36328125e-01,  1.52343750e-01,
        -2.30468750e-01,  9.08203125e-02, -1.28906250e-01,  3.46679688e-02,
        -1.39648438e-01, -1.78710938e-01, -2.55859375e-01, -3.29589844e-02,
         1.74804688e-01,  2.91748047e-02,  1.35742188e-01,  7.66601562e-02,
         3.80859375e-02,  6.12792969e-02, -1.42578125e-01,  2.05078125e-01,
         7.95898438e-02,  1.38671875e-01,  1.14257812e-01,  2.88085938e-02,
        -3.47656250e-01, -3.37890625e-01, -1.30859375e-01,  1.15234375e-01,
         1.12792969e-01,  1.07910156e-01,  9.21630859e-03,  5.27343750e-0
2],
       dtype=float32),
 'teams': array([-0.28515625,  0.19042969,  0.109375  ,  0.18359375,  0.214
84375,
        -0.04907227, -0.27539062, -0.140625  , -0.13671875,  0.04174805,
         0.04931641, -0.10888672, -0.02087402, -0.06225586, -0.09912109,
         0.234375  , -0.00193024, -0.02600098,  0.13671875,  0.15625   ,
        -0.01708984,  0.25976562, -0.08007812, -0.20605469,  0.00337219,
        -0.01409912, -0.23339844,  0.09228516, -0.02978516, -0.09082031,
        -0.12890625,  0.08349609,  0.27734375, -0.02636719,  0.17675781,
         0.21191406,  0.20996094,  0.00738525,  0.16308594,  0.38085938,
         0.28515625, -0.08935547,  0.02429199,  0.06225586,  0.08740234,
        -0.18359375,  0.20214844, -0.12109375,  0.01708984,  0.20703125,
         0.03344727,  0.14746094, -0.24804688, -0.01312256, -0.23339844,
        -0.1640625 ,  0.2890625 ,  0.10302734, -0.06933594,  0.01806641,
        -0.0390625 , -0.07421875, -0.07080078, -0.27148438, -0.04833984,
        -0.02832031,  0.08789062,  0.18945312,  0.08398438,  0.07470703,
        -0.03125   , -0.13085938, -0.01611328, -0.11914062, -0.0324707 ,
        -0.13183594, -0.09960938, -0.05249023,  0.12402344, -0.02978516,
         0.00296021,  0.13378906, -0.11523438,  0.16210938, -0.00137329,
        -0.3828125 , -0.05004883, -0.00382996,  0.109375  ,  0.17773438,
         0.06152344, -0.16601562, -0.13476562, -0.07958984,  0.125     ,
        -0.09423828, -0.03198242, -0.08642578,  0.01843262,  0.03320312,
         0.11669922, -0.07568359,  0.06103516,  0.05297852,  0.1953125 ,
        -0.03881836, -0.10351562, -0.02734375,  0.09130859,  0.02734375,
         0.17480469,  0.15820312, -0.18261719, -0.125     ,  0.22851562,
         0.26757812,  0.20410156, -0.06787109, -0.125     , -0.26367188,
        -0.3046875 , -0.23144531, -0.09667969,  0.22753906, -0.22949219,
```

```
        -0.08056641, -0.16992188, -0.109375  , -0.00939941,  0.0859375 ,
         0.10400391, -0.359375  , -0.04418945, -0.265625  , -0.02844238,
        -0.24902344, -0.10644531,  0.12255859, -0.17773438, -0.07177734,
        -0.03320312,  0.07080078,  0.47265625,  0.07080078,  0.03271484,
         0.18359375,  0.11572266, -0.09716797, -0.08935547, -0.22460938,
         0.06738281,  0.15820312, -0.33398438,  0.07470703, -0.12792969,
         0.02172852,  0.07666016, -0.2578125 , -0.32421875,  0.13476562,
         0.08789062,  0.07373047,  0.04663086, -0.04589844,  0.0559082 ,
        -0.29296875,  0.03295898, -0.06835938,  0.02294922,  0.14550781,
        -0.02990723, -0.18554688,  0.08154297, -0.31445312,  0.05688477,
        -0.18554688,  0.0859375 ,  0.03417969, -0.28710938, -0.17382812,
         0.13574219, -0.05419922, -0.0043335 ,  0.26953125, -0.09716797,
        -0.03466797,  0.18945312,  0.07177734,  0.30078125,  0.08398438,
        -0.00430298, -0.15722656,  0.08642578, -0.06225586, -0.0037384 ,
         0.13183594, -0.00387573, -0.09277344, -0.25      ,  0.01330566,
         0.17285156, -0.01464844, -0.03588867,  0.12207031, -0.09814453,
        -0.12109375,  0.1328125 , -0.17089844,  0.13769531,  0.05712891,
         0.09228516, -0.15625   , -0.18554688,  0.16015625, -0.3984375 ,
        -0.10449219,  0.04125977,  0.04101562, -0.12060547,  0.0222168 ,
         0.06054688, -0.03295898, -0.07421875, -0.01989746, -0.23632812,
        -0.05249023,  0.19140625,  0.02966309,  0.10400391, -0.15722656,
        -0.14550781,  0.08984375,  0.0168457 ,  0.11669922, -0.08447266,
        -0.06298828, -0.07177734, -0.25390625,  0.23046875, -0.23535156,
         0.18164062,  0.25      , -0.04956055, -0.13378906, -0.09521484,
        -0.00482178, -0.15917969, -0.01928711, -0.13769531, -0.08496094,
         0.03295898,  0.10595703,  0.11621094, -0.02124023, -0.19238281,
        -0.0189209 ,  0.11035156, -0.17382812,  0.109375  ,  0.17285156,
         0.13183594,  0.16503906,  0.22558594,  0.13964844,  0.09082031,
         0.203125  , -0.06396484,  0.02819824, -0.15722656,  0.06494141,
        -0.10009766,  0.20214844, -0.29101562,  0.328125  ,  0.18359375,
        -0.08544922,  0.07568359, -0.11767578, -0.12109375, -0.19238281,
        -0.09863281, -0.27539062,  0.17285156, -0.03466797, -0.00762939,
        -0.11132812, -0.06542969, -0.01446533,  0.13867188,  0.012146  ,
        -0.04736328, -0.03173828, -0.19140625, -0.10742188,  0.2421875 ,
        -0.015625  ,  0.06396484, -0.24707031, -0.12353516, -0.01574707],
       dtype=float32),
 'outlook': array([-0.10644531,  0.04174805,  0.0378418 ,  0.1484375 , -0.2
4121094,
        -0.01660156, -0.10302734, -0.1796875 ,  0.17871094,  0.30859375,
        -0.28515625, -0.15722656,  0.3359375 , -0.1796875 , -0.23632812,
         0.1328125 , -0.10546875,  0.45117188,  0.16503906, -0.296875  ,
         0.19335938,  0.30078125, -0.12109375,  0.29492188,  0.08740234,
         0.16308594,  0.23925781,  0.15429688, -0.00823975,  0.20605469,
         0.19433594, -0.15039062, -0.22753906, -0.10644531,  0.15625   ,
         0.13085938, -0.12597656,  0.08789062, -0.14550781, -0.046875  ,
         0.02026367, -0.02416992,  0.0022583 ,  0.3359375 ,  0.09277344,
        -0.13085938,  0.10107422, -0.12988281, -0.41601562,  0.19042969,
         0.29492188, -0.03088379, -0.02734375,  0.328125  ,  0.25585938,
        -0.19433594,  0.22949219,  0.18066406,  0.0625    , -0.19726562,
        -0.17480469,  0.20410156, -0.17480469,  0.26953125,  0.06152344,
         0.16699219,  0.484375  , -0.00665283,  0.23828125, -0.06689453,
         0.02404785, -0.203125  ,  0.05957031,  0.23925781, -0.25390625,
        -0.04052734,  0.19628906, -0.04541016,  0.11621094,  0.07421875,
         0.22558594,  0.03393555, -0.25976562, -0.1328125 , -0.04760742,
         0.22558594, -0.2421875 , -0.13378906,  0.08789062, -0.328125  ,
         0.24804688, -0.41601562,  0.09667969,  0.11523438, -0.10742188,
        -0.13769531, -0.17285156,  0.12792969,  0.3828125 , -0.04858398,
         0.04418945, -0.09960938,  0.07910156, -0.16894531,  0.08837891,
        -0.24609375, -0.16699219,  0.2421875 , -0.00141907, -0.06835938,
         0.16796875, -0.01080322,  0.08789062,  0.08886719, -0.05126953,
        -0.07373047,  0.12060547, -0.10253906,  0.2890625 ,  0.32421875,
        -0.01586914, -0.11279297, -0.29882812,  0.20703125,  0.06445312,
        -0.05004883, -0.33984375,  0.00933838, -0.26367188,  0.05004883,
        -0.13574219,  0.05566406,  0.17285156, -0.09765625,  0.10888672,
```

```
         0.1328125 , -0.17578125,  0.12353516, -0.25390625,  0.05224609,
         0.22070312, -0.10351562,  0.02258301,  0.29101562,  0.07373047,
        -0.48242188,  0.00842285, -0.19824219, -0.0255127 ,  0.01281738,
        -0.33398438, -0.03881836, -0.25390625,  0.03637695, -0.26953125,
        -0.02648926,  0.00909424,  0.11669922, -0.25585938, -0.18945312,
        -0.07568359,  0.03613281,  0.68359375,  0.02124023, -0.02905273,
         0.3828125 ,  0.12304688,  0.06494141,  0.10009766,  0.0090332 ,
         0.0177002 ,  0.11376953,  0.18652344, -0.18847656,  0.15917969,
         0.06591797,  0.2578125 , -0.05810547,  0.05517578, -0.11279297,
        -0.47070312, -0.16894531,  0.17480469, -0.10058594, -0.01312256,
        -0.390625  ,  0.04150391, -0.08447266,  0.12011719,  0.33007812,
         0.10595703, -0.03833008, -0.37890625, -0.28515625, -0.17382812,
         0.1640625 , -0.11132812,  0.10986328,  0.20898438, -0.19042969,
        -0.26953125,  0.1015625 , -0.25390625, -0.21582031,  0.01879883,
         0.02648926, -0.04907227, -0.22753906, -0.01794434, -0.32421875,
        -0.21386719, -0.07568359,  0.08349609,  0.29882812,  0.14550781,
         0.06347656,  0.18554688,  0.06689453,  0.0300293 , -0.09912109,
        -0.02600098,  0.33984375,  0.00787354,  0.04736328,  0.09960938,
        -0.29882812, -0.09570312, -0.5703125 ,  0.09082031,  0.18652344,
        -0.17285156,  0.11230469,  0.17773438, -0.15234375,  0.17382812,
         0.16015625,  0.25976562, -0.39257812,  0.14453125,  0.19238281,
         0.19335938,  0.171875  , -0.31835938, -0.01806641, -0.24804688,
         0.11181641, -0.29492188, -0.12988281, -0.19140625,  0.04345703,
        -0.1484375 ,  0.25390625, -0.12597656, -0.01202393, -0.29296875,
        -0.15820312,  0.10986328,  0.01550293,  0.09570312,  0.1640625 ,
         0.05444336,  0.00976562, -0.11669922,  0.06494141, -0.07226562,
         0.23925781, -0.22460938, -0.29492188,  0.08056641,  0.01208496,
         0.19824219, -0.17089844,  0.16699219, -0.25      ,  0.07324219,
         0.18164062, -0.09375   , -0.00110626, -0.04516602,  0.33007812,
         0.18847656,  0.06933594,  0.03735352, -0.13769531, -0.03369141,
        -0.15234375,  0.25585938, -0.04956055, -0.10449219,  0.09082031,
        -0.34375   ,  0.24804688, -0.05639648, -0.40234375,  0.17089844,
        -0.07763672,  0.28320312,  0.01672363,  0.27734375, -0.3515625 ],
       dtype=float32),
 'respond': array([-2.17773438e-01,  7.71484375e-02, -5.76171875e-02, -2.63
671875e-01,
        -3.37890625e-01,  1.83105469e-02, -1.03515625e-01, -2.08007812e-01,
         1.75781250e-01, -1.74804688e-01, -3.30078125e-01, -1.64062500e-01,
        -4.44335938e-02,  2.73437500e-01, -7.76367188e-02, -4.54101562e-02,
        -1.24023438e-01,  2.45117188e-01,  1.35742188e-01,  1.90429688e-02,
         1.71875000e-01,  1.11328125e-01, -2.58789062e-02,  1.92382812e-01,
         1.84570312e-01,  1.09375000e-01, -1.30859375e-01, -3.19824219e-02,
         1.51367188e-01,  4.73632812e-02, -3.17382812e-02, -3.01513672e-02,
        -3.90625000e-01, -3.45703125e-01,  2.72216797e-02, -2.24609375e-01,
        -5.00488281e-02,  1.31835938e-01,  2.03857422e-02,  2.65625000e-01,
         1.92382812e-01,  1.89453125e-01, -7.81250000e-02, -2.41210938e-01,
         7.37304688e-02, -1.06933594e-01, -2.33398438e-01, -2.00195312e-01,
        -3.04687500e-01,  1.33789062e-01,  1.10839844e-01, -1.98242188e-01,
        -2.51953125e-01, -3.68652344e-02, -9.42382812e-02,  2.50000000e-01,
         1.49536133e-02, -2.31445312e-01,  5.37109375e-02,  3.73535156e-02,
         4.93164062e-02,  1.10351562e-01, -2.50000000e-01,  9.57031250e-02,
        -2.55126953e-02, -2.61230469e-02, -3.14941406e-02, -5.88378906e-02,
        -6.68945312e-02,  2.19726562e-01,  1.09375000e-01, -1.71875000e-01,
         3.18359375e-01, -1.17675781e-01, -3.02734375e-01, -2.33398438e-01,
        -1.24023438e-01,  1.61132812e-01,  1.66992188e-01,  3.85742188e-02,
         5.22460938e-02,  3.47656250e-01,  5.17578125e-02,  5.56945801e-04,
         1.84326172e-02, -1.56250000e-01, -2.09960938e-01,  9.47265625e-02,
        -2.24609375e-01,  7.27539062e-02,  1.33789062e-01, -2.08984375e-01,
        -4.05273438e-02, -2.99072266e-03,  2.75390625e-01, -1.21093750e-01,
        -4.29687500e-02,  1.16210938e-01, -2.78320312e-02, -9.86328125e-02,
        -7.56835938e-03, -2.29492188e-01,  1.10839844e-01,  7.81250000e-03,
         8.88671875e-02, -5.89843750e-01,  8.44726562e-02, -2.45117188e-01,
         1.66015625e-01, -5.64575195e-04, -1.22070312e-01, -3.59375000e-01,
         2.74658203e-02, -1.41601562e-01,  3.01513672e-02,  2.74658203e-02,
```

```
         7.47070312e-02,  1.66992188e-01,  9.91210938e-02,  2.24609375e-01,
        -3.14453125e-01, -1.42822266e-02, -4.00390625e-02,  3.32031250e-01,
         1.15234375e-01,  2.35351562e-01, -1.07421875e-01, -7.61718750e-02,
         1.37695312e-01, -6.59179688e-02,  5.68847656e-02, -2.35351562e-01,
         5.56640625e-02, -1.47460938e-01,  9.61914062e-02, -2.22656250e-01,
         5.27343750e-02, -8.54492188e-02,  1.43554688e-01, -2.04101562e-01,
         1.95312500e-01,  1.14746094e-01, -1.93359375e-01, -2.29492188e-01,
        -2.03857422e-02, -4.73632812e-02,  1.54296875e-01, -3.16406250e-01,
        -1.81640625e-01,  1.88476562e-01, -1.72119141e-02,  6.64062500e-02,
        -1.10473633e-02, -5.83496094e-02,  2.15820312e-01, -6.34765625e-02,
        -1.67968750e-01, -1.08886719e-01, -3.29589844e-02,  2.04467773e-03,
         3.28125000e-01,  1.00585938e-01, -6.93359375e-02, -2.94921875e-01,
         4.15039062e-02, -1.65039062e-01,  1.13769531e-01, -2.00195312e-01,
         3.78906250e-01,  2.69531250e-01, -7.61718750e-02, -1.71875000e-01,
        -1.47094727e-02,  1.17797852e-02, -1.97753906e-02,  1.00097656e-01,
         2.65625000e-01,  2.55859375e-01, -3.94531250e-01, -1.60156250e-01,
        -1.23535156e-01,  9.32617188e-02, -2.77099609e-02, -5.61523438e-02,
        -4.10156250e-02,  7.12890625e-02, -1.51367188e-01,  7.17773438e-02,
        -1.11328125e-01, -1.62353516e-02,  1.25000000e-01, -1.30859375e-01,
         6.07910156e-02,  1.15234375e-01, -6.98242188e-02, -5.12695312e-02,
         3.08593750e-01, -8.34960938e-02,  3.61328125e-02,  6.34765625e-02,
        -2.58789062e-02, -1.11816406e-01,  3.18908691e-03,  1.45507812e-01,
        -2.65625000e-01,  1.28906250e-01, -1.05957031e-01, -1.34765625e-01,
         1.10839844e-01, -9.71679688e-02,  6.17675781e-02, -1.33789062e-01,
         1.99218750e-01, -1.35742188e-01, -2.21679688e-01, -1.12792969e-01,
         8.39843750e-02, -2.85156250e-01, -9.91210938e-02,  4.19921875e-02,
         4.39453125e-02,  4.12109375e-01, -2.67578125e-01, -7.27539062e-02,
         3.59375000e-01,  1.52343750e-01,  7.47070312e-02, -1.53320312e-01,
        -7.35473633e-03,  2.08984375e-01,  1.78710938e-01,  1.14257812e-01,
         1.01074219e-01, -9.13085938e-02,  4.02343750e-01, -1.28906250e-01,
        -1.04980469e-02, -2.96630859e-02,  1.58203125e-01, -2.28881836e-03,
        -2.67578125e-01, -4.66308594e-02, -1.89453125e-01,  1.17187500e-01,
        -6.54296875e-02,  1.08642578e-02, -1.94335938e-01, -3.61328125e-02,
         6.59179688e-02, -1.94335938e-01,  7.47070312e-02,  2.08984375e-01,
        -5.66406250e-02,  9.47265625e-02, -1.40625000e-01, -1.47460938e-01,
         2.16796875e-01, -1.57226562e-01, -1.86523438e-01, -3.33984375e-01,
        -1.88476562e-01,  6.34765625e-02, -9.32617188e-02,  5.76171875e-02,
         2.20703125e-01,  1.40625000e-01,  2.37304688e-01,  7.95898438e-02,
        -3.30078125e-01, -5.76171875e-02,  2.36328125e-01,  3.82812500e-01,
         2.20947266e-02, -4.76074219e-02,  5.73730469e-02, -2.16796875e-01,
        -2.06054688e-01, -2.41210938e-01,  1.09863281e-01, -1.14746094e-01,
        -6.78710938e-02,  1.12304688e-01,  1.89453125e-01, -8.39843750e-02,
         1.28906250e-01,  6.98242188e-02,  2.23632812e-01,  1.05468750e-01,
         8.15429688e-02,  1.17675781e-01,  3.14941406e-02, -1.05957031e-01,
        -6.59179688e-02,  6.98242188e-02,  1.04492188e-01,  1.57226562e-01,
         4.98046875e-02,  3.73535156e-02, -1.72851562e-01, -2.06298828e-0
2],
       dtype=float32),
 'quickly': array([ 0.19140625, -0.01794434, -0.01489258,  0.05615234, -0.1
5332031,
        -0.140625  ,  0.01733398, -0.03039551, -0.07128906, -0.12255859,
         0.01708984, -0.04174805,  0.09228516,  0.21191406, -0.14257812,
        -0.08447266,  0.16796875,  0.24121094,  0.17480469,  0.03710938,
         0.2578125 , -0.0703125 ,  0.10009766,  0.00202942,  0.05615234,
        -0.08886719,  0.09716797,  0.13183594,  0.12109375,  0.10791016,
        -0.14453125,  0.296875  , -0.06835938, -0.15136719,  0.05175781,
        -0.12792969,  0.10986328, -0.13671875,  0.15429688,  0.01086426,
         0.21386719, -0.09863281,  0.19921875, -0.12890625, -0.12451172,
         0.04614258, -0.15917969,  0.03063965,  0.08007812,  0.16796875,
         0.10302734, -0.13671875, -0.2109375 , -0.00162506, -0.05859375,
         0.25195312,  0.04223633, -0.19433594,  0.01092529, -0.10253906,
         0.0703125 ,  0.21484375, -0.27148438, -0.08837891, -0.07666016,
        -0.0390625 ,  0.10205078, -0.00424194, -0.07617188,  0.12060547,
        -0.01782227, -0.03833008,  0.05175781, -0.22949219, -0.2734375 ,
```

```
         0.03735352,  0.18457031,  0.37109375,  0.26171875, -0.01422119,
        -0.00317383,  0.2421875 ,  0.1484375 ,  0.02355957,  0.22167969,
        -0.12890625, -0.23535156,  0.08007812, -0.07763672,  0.0703125 ,
         0.03369141,  0.33007812, -0.26171875, -0.08300781,  0.09472656,
         0.02770996, -0.24023438, -0.125     , -0.07421875, -0.0213623 ,
         0.02636719, -0.09375   ,  0.07421875, -0.00130463, -0.29492188,
         0.08398438, -0.00311279, -0.11572266,  0.05493164,  0.07519531,
        -0.09277344,  0.0213623 ,  0.07714844, -0.31640625,  0.15039062,
         0.21972656,  0.11425781,  0.13671875, -0.00512695,  0.34375   ,
        -0.21972656, -0.3125    , -0.00328064,  0.01165771,  0.03540039,
        -0.03686523, -0.11230469, -0.1328125 ,  0.15917969,  0.14453125,
         0.19238281, -0.06591797,  0.04150391, -0.00133514, -0.16308594,
         0.04882812,  0.18652344, -0.08056641, -0.02099609,  0.09277344,
        -0.08984375, -0.15625   , -0.08691406, -0.05249023,  0.09814453,
        -0.00994873, -0.00683594,  0.10107422, -0.08251953, -0.02856445,
        -0.03491211,  0.11425781,  0.00051498,  0.09960938, -0.13671875,
        -0.03686523, -0.11181641, -0.01928711, -0.29882812,  0.02246094,
         0.078125  ,  0.171875  ,  0.03100586, -0.13476562, -0.125     ,
        -0.21679688, -0.16015625,  0.02954102,  0.22949219, -0.12695312,
         0.04174805,  0.08154297, -0.16210938,  0.13085938, -0.02856445,
         0.23046875,  0.10107422, -0.08544922, -0.05615234, -0.09423828,
         0.04272461, -0.24804688, -0.01452637, -0.14648438,  0.03466797,
        -0.00183105, -0.03588867,  0.03320312, -0.00375366,  0.140625  ,
         0.07714844, -0.00543213,  0.11230469,  0.140625  , -0.08447266,
        -0.18359375, -0.11816406, -0.11474609,  0.18945312, -0.26953125,
         0.18847656, -0.05493164,  0.16210938,  0.03063965,  0.01275635,
        -0.14355469, -0.09228516, -0.03588867,  0.07568359, -0.02868652,
        -0.18457031, -0.11914062,  0.01452637,  0.05615234, -0.18945312,
        -0.08837891,  0.00138855,  0.05517578, -0.14257812,  0.24511719,
        -0.04003906,  0.13085938, -0.23632812, -0.10205078, -0.14648438,
        -0.19140625,  0.01123047, -0.13964844,  0.25195312, -0.27734375,
         0.23242188, -0.06201172,  0.20605469, -0.23925781, -0.05639648,
        -0.20703125, -0.23535156,  0.01153564, -0.10742188,  0.265625  ,
        -0.08447266, -0.06738281,  0.01208496, -0.1875    ,  0.10058594,
        -0.05175781,  0.05883789,  0.02514648,  0.14453125,  0.0625    ,
        -0.02172852, -0.07714844,  0.08203125,  0.09277344,  0.01940918,
        -0.06542969, -0.05517578,  0.21582031, -0.01208496, -0.42382812,
        -0.01989746, -0.08154297, -0.2421875 ,  0.13964844,  0.11669922,
         0.09863281,  0.00872803, -0.03613281,  0.03759766,  0.05688477,
         0.17871094,  0.21777344, -0.19921875,  0.21191406, -0.05786133,
        -0.04980469,  0.02075195, -0.24511719,  0.07324219, -0.06835938,
         0.11767578,  0.07519531, -0.07128906,  0.09960938,  0.07568359,
         0.06884766, -0.17285156, -0.02355957,  0.18457031,  0.07861328,
        -0.02160645, -0.03637695, -0.03149414, -0.00448608,  0.05175781,
         0.17871094, -0.00224304,  0.08837891,  0.09765625, -0.19726562],
       dtype=float32),
 'phone': array([-0.01446533, -0.12792969, -0.11572266, -0.22167969, -0.073
73047,
        -0.05981445, -0.10009766, -0.06884766,  0.14941406,  0.10107422,
        -0.03076172, -0.03271484, -0.03125   , -0.10791016,  0.12158203,
         0.16015625,  0.19335938,  0.0065918 , -0.15429688,  0.03710938,
         0.22753906,  0.1953125 ,  0.08300781,  0.03686523, -0.02148438,
         0.01483154, -0.21289062,  0.16015625,  0.29101562, -0.03149414,
        -0.05883789,  0.04418945, -0.11767578, -0.12597656,  0.08447266,
        -0.10791016, -0.11279297,  0.17871094,  0.04467773,  0.17675781,
        -0.17089844, -0.02160645, -0.00061417, -0.17480469, -0.04760742,
         0.06835938, -0.0546875 ,  0.04467773, -0.19628906, -0.18554688,
        -0.10839844, -0.06030273,  0.11474609,  0.08544922,  0.05859375,
         0.23925781, -0.07080078,  0.11816406, -0.11132812,  0.08300781,
        -0.04394531,  0.00970459, -0.1484375 ,  0.265625  , -0.13769531,
         0.23535156, -0.19824219,  0.31445312,  0.02734375,  0.16894531,
         0.20898438, -0.0480957 ,  0.16015625, -0.00147247, -0.13085938,
        -0.01312256,  0.07763672,  0.22851562,  0.13867188, -0.2578125 ,
         0.06176758,  0.03955078,  0.13867188,  0.08154297,  0.00210571,
```

```
        -0.05297852,  0.03222656,  0.02148438, -0.21582031,  0.30664062,
        -0.05761719,  0.02722168, -0.28320312, -0.4140625 ,  0.01745605,
         0.04101562,  0.00352478,  0.11279297,  0.046875  , -0.09960938,
        -0.18945312, -0.24707031,  0.10058594,  0.35546875,  0.15625   ,
         0.02319336,  0.125     , -0.12402344,  0.13378906,  0.17578125,
         0.06494141, -0.10644531,  0.00714111, -0.40234375,  0.01989746,
         0.11376953, -0.10644531, -0.19921875,  0.29492188,  0.15527344,
        -0.13574219,  0.16601562, -0.18457031,  0.28125   ,  0.16992188,
        -0.04345703, -0.203125  ,  0.02380371,  0.00268555,  0.125     ,
        -0.14550781, -0.24121094, -0.125     , -0.12304688, -0.01251221,
        -0.203125  ,  0.11132812,  0.04858398, -0.02246094, -0.19238281,
         0.00221252, -0.13378906, -0.11035156,  0.1796875 ,  0.14648438,
         0.11914062, -0.05419922, -0.3046875 , -0.14257812, -0.0019455 ,
         0.296875  ,  0.34179688, -0.06396484, -0.00958252,  0.15527344,
        -0.06494141, -0.12792969,  0.04736328,  0.00686646,  0.07910156,
        -0.31445312,  0.15039062, -0.00558472, -0.00854492, -0.19726562,
         0.0456543 , -0.0859375 , -0.3125    , -0.04931641, -0.17480469,
         0.23632812,  0.0189209 , -0.01470947, -0.23632812, -0.48828125,
        -0.09667969,  0.26953125,  0.2265625 , -0.33007812,  0.01855469,
        -0.15332031, -0.13769531, -0.24316406,  0.12109375,  0.43945312,
         0.05078125, -0.01574707,  0.14550781, -0.27148438,  0.05249023,
        -0.12060547, -0.10742188, -0.22070312,  0.11132812,  0.00765991,
         0.234375  , -0.2734375 ,  0.00512695, -0.01708984,  0.02258301,
        -0.01031494,  0.19433594,  0.07226562,  0.02185059,  0.00915527,
         0.15722656, -0.01733398, -0.01928711, -0.08837891,  0.01269531,
         0.04125977, -0.05615234, -0.08105469, -0.40625   ,  0.04882812,
         0.15136719, -0.06030273, -0.10791016, -0.3125    ,  0.00247192,
         0.08007812,  0.203125  , -0.08789062,  0.06640625,  0.03417969,
         0.20898438, -0.29101562,  0.20703125, -0.23730469, -0.05517578,
         0.05737305, -0.13769531, -0.34960938, -0.20214844,  0.13671875,
        -0.28710938,  0.00592041, -0.21289062, -0.25585938,  0.01397705,
         0.3203125 , -0.01123047, -0.08544922, -0.16210938,  0.22558594,
         0.05126953,  0.21386719, -0.00552368,  0.05932617, -0.06396484,
        -0.04003906,  0.21191406,  0.12255859, -0.02954102,  0.18554688,
         0.07421875,  0.20605469, -0.40429688, -0.05761719, -0.09521484,
        -0.00830078, -0.14257812, -0.22265625, -0.22363281, -0.16601562,
         0.29492188, -0.01190186, -0.11132812, -0.08642578, -0.19140625,
         0.01818848,  0.17675781,  0.04077148, -0.2734375 , -0.00708008,
        -0.09472656,  0.32421875,  0.05322266,  0.046875  ,  0.11376953,
         0.15722656,  0.06201172,  0.07275391, -0.09179688, -0.09521484,
        -0.10839844,  0.07470703,  0.10742188, -0.02856445,  0.16015625,
        -0.07910156,  0.15722656, -0.06152344, -0.17480469,  0.08007812,
        -0.13671875, -0.18359375, -0.05200195, -0.00585938, -0.15625   ],
       dtype=float32),
 'call': array([-1.18164062e-01,  8.15429688e-02,  1.50390625e-01,  3.10058
594e-02,
         1.31835938e-01,  7.99560547e-03,  1.24023438e-01, -1.16210938e-01,
        -1.04003906e-01,  1.25976562e-01, -1.34765625e-01,  3.90625000e-02,
        -2.46093750e-01, -1.15234375e-01,  2.35351562e-01,  2.40234375e-01,
         1.15234375e-01, -2.03857422e-02, -2.12890625e-01, -1.05285645e-03,
         2.18750000e-01, -5.07812500e-02,  6.39648438e-02, -2.29492188e-02,
        -6.49414062e-02,  1.70898438e-01,  8.11767578e-03,  1.02539062e-01,
         2.36328125e-01,  1.27929688e-01,  7.47070312e-02,  3.95507812e-02,
        -3.57421875e-01, -3.98437500e-01,  7.81250000e-02, -4.97436523e-03,
         2.73437500e-01,  4.17480469e-02,  2.24609375e-02,  5.66406250e-02,
         9.03320312e-02, -1.03759766e-02,  7.03125000e-02, -2.08984375e-01,
        -2.65625000e-01, -1.16699219e-01, -1.25976562e-01, -4.85839844e-02,
        -1.22558594e-01,  9.47265625e-02, -7.56835938e-02, -1.09863281e-01,
         4.37011719e-02,  2.13867188e-01,  5.39550781e-02,  4.05273438e-02,
         8.05664062e-02,  1.98974609e-02, -2.66113281e-02,  3.17382812e-02,
        -2.22656250e-01,  3.63769531e-02, -1.54296875e-01, -4.17480469e-02,
        -4.07714844e-02, -9.42382812e-02, -3.08837891e-02,  2.02636719e-02,
        -3.56445312e-02,  5.54199219e-02,  2.01171875e-01, -5.46875000e-02,
         5.17578125e-02,  2.42919922e-02,  7.86132812e-02, -1.66992188e-01,
```

```
         1.72851562e-01,  1.89453125e-01,  8.74023438e-02,  2.83203125e-01,
         6.49414062e-02,  5.24902344e-02,  1.29882812e-01, -1.01562500e-01,
        -4.51660156e-02,  1.08032227e-02,  2.24609375e-02, -2.71484375e-01,
        -5.88378906e-02,  1.08398438e-01,  1.96289062e-01,  7.08007812e-02,
        -8.44726562e-02, -2.96875000e-01, -6.49414062e-02,  1.42578125e-01,
         1.19628906e-01,  3.36914062e-02,  4.56542969e-02, -1.92871094e-02,
        -2.03857422e-02, -1.76757812e-01, -5.44433594e-02,  1.72851562e-01,
        -7.86132812e-02, -7.47070312e-02,  1.34765625e-01, -3.11279297e-02,
         2.20947266e-02,  3.19824219e-02,  1.23046875e-01, -9.13085938e-02,
        -1.02050781e-01, -1.54296875e-01, -7.32421875e-02, -3.90625000e-02,
        -1.90429688e-01,  4.95605469e-02,  3.65234375e-01,  2.71484375e-01,
         8.44726562e-02,  9.91821289e-04, -1.27929688e-01,  3.67187500e-01,
        -5.24902344e-02, -1.45263672e-02, -4.76074219e-02, -6.93359375e-02,
         2.61718750e-01,  2.96875000e-01, -1.18164062e-01, -3.49609375e-01,
         5.05371094e-02,  9.96093750e-02,  1.09375000e-01, -1.81640625e-01,
        -4.71191406e-02,  4.83398438e-02, -9.71679688e-02,  9.42382812e-02,
         1.25000000e-01, -7.22656250e-02, -3.83300781e-02, -8.98437500e-02,
         1.92382812e-01, -1.89208984e-02, -1.32812500e-01, -3.55468750e-01,
        -1.37329102e-02,  8.59375000e-02,  2.31445312e-01,  2.57812500e-01,
        -1.51367188e-01,  4.07714844e-02,  5.07812500e-02, -8.30078125e-02,
        -1.14257812e-01,  9.42382812e-02, -2.75390625e-01, -1.55273438e-01,
         4.46777344e-02,  5.71289062e-02, -4.63867188e-02, -3.28125000e-01,
        -1.18164062e-01,  5.98144531e-03, -1.06445312e-01, -2.01171875e-01,
         1.47460938e-01, -3.12500000e-02,  4.83398438e-02, -1.97265625e-01,
         2.39257812e-01, -1.42578125e-01, -2.37304688e-01, -2.31445312e-01,
         1.31835938e-01,  2.61718750e-01, -1.98242188e-01, -4.22363281e-02,
         4.91333008e-03, -1.02539062e-01,  1.23535156e-01, -6.93359375e-02,
         1.92382812e-01, -3.18908691e-03, -8.59375000e-02, -6.88476562e-02,
         1.80664062e-01,  1.69921875e-01,  7.42187500e-02, -1.04003906e-01,
        -1.00097656e-02, -9.52148438e-02, -7.29370117e-03, -2.99072266e-02,
         3.06396484e-02,  1.25732422e-02,  8.25195312e-02,  9.61914062e-02,
        -1.40625000e-01,  4.51660156e-02, -8.59375000e-02,  3.75976562e-02,
        -5.20019531e-02, -1.11694336e-02,  7.81250000e-02,  1.00585938e-01,
         6.17675781e-02,  1.10839844e-01,  3.34472656e-02, -4.71191406e-02,
        -6.00585938e-02, -4.34570312e-02, -1.71875000e-01,  6.29882812e-02,
         1.17675781e-01,  1.35040283e-03, -2.01171875e-01, -2.55859375e-01,
         1.11816406e-01,  1.12792969e-01, -4.29687500e-02, -1.77383423e-04,
         2.63671875e-01,  1.05468750e-01, -3.17382812e-02,  2.81250000e-01,
         1.39648438e-01,  1.62109375e-01,  2.14843750e-01,  4.68750000e-02,
        -1.89453125e-01, -3.51562500e-01,  1.38671875e-01, -6.98242188e-02,
         1.66992188e-01, -2.10937500e-01, -6.88476562e-02, -8.93554688e-02,
         2.59765625e-01,  5.95703125e-02, -1.22070312e-01, -2.62451172e-02,
         8.64257812e-02,  3.36914062e-02,  3.02734375e-01,  1.06933594e-01,
        -1.25976562e-01, -1.54296875e-01, -2.20947266e-02,  1.64062500e-01,
         1.10351562e-01,  7.40051270e-04,  1.41601562e-01, -1.74804688e-01,
         7.27539062e-02, -2.40234375e-01, -3.27148438e-02, -6.88476562e-02,
        -1.20605469e-01,  8.30078125e-02, -2.94921875e-01,  1.34765625e-01,
         3.61328125e-02,  7.71484375e-02,  7.71484375e-02, -8.88671875e-02,
        -1.51367188e-01, -1.71875000e-01,  1.17187500e-01,  2.46093750e-01,
         1.65039062e-01, -1.28906250e-01,  1.41601562e-01,  4.95605469e-02,
         1.04980469e-01,  3.47900391e-03, -2.55859375e-01,  2.30468750e-01,
         1.05590820e-02,  1.19628906e-01,  3.90625000e-02, -1.75781250e-01,
        -8.74023438e-02, -1.15966797e-02,  7.76367188e-02, -5.88989258e-03,
        -1.27929688e-01,  9.71679688e-02,  4.68750000e-02,  3.76953125e-01,
         1.07910156e-01, -8.39843750e-02,  1.06445312e-01, -2.94921875e-01,
        -5.71289062e-02, -2.23388672e-02,  1.26953125e-01, -4.15039062e-0
2],
       dtype=float32),
 'text': array([ 0.27929688, -0.08447266, -0.04150391,  0.12011719, -0.0179
4434,
         0.12353516,  0.1328125 , -0.08251953,  0.11572266,  0.10693359,
        -0.08056641, -0.01397705, -0.13671875,  0.11230469, -0.0546875 ,
         0.109375  ,  0.12060547,  0.06396484, -0.02001953, -0.41992188,
         0.18652344,  0.14550781, -0.08837891, -0.23828125, -0.21386719,
```

```
        -0.24902344, -0.06884766,  0.10693359,  0.20996094,  0.04589844,
        -0.15527344, -0.29882812, -0.11376953, -0.02416992,  0.01477051,
         0.01489258, -0.06835938,  0.33203125, -0.10888672, -0.14160156,
         0.05639648,  0.05078125,  0.19921875,  0.40820312,  0.04833984,
         0.07714844,  0.06689453, -0.171875  , -0.28515625, -0.203125  ,
        -0.2109375 , -0.18164062,  0.03369141, -0.21777344,  0.25976562,
         0.15234375,  0.13964844, -0.22167969, -0.1484375 ,  0.03808594,
         0.02990723, -0.10644531, -0.10595703,  0.11181641, -0.02770996,
         0.19726562, -0.28320312,  0.08886719,  0.06347656,  0.21386719,
         0.16308594,  0.08300781, -0.03088379,  0.09716797,  0.10253906,
        -0.17089844,  0.22265625,  0.38085938,  0.23535156, -0.10839844,
         0.08642578,  0.06494141,  0.21972656,  0.02978516,  0.359375  ,
         0.00282288,  0.03564453, -0.15332031,  0.07666016,  0.13378906,
        -0.03369141, -0.10839844, -0.01031494, -0.22070312, -0.05810547,
        -0.078125  , -0.09570312, -0.03613281,  0.14160156,  0.17578125,
        -0.19433594,  0.06152344, -0.08300781,  0.05273438,  0.06982422,
         0.32226562,  0.02722168, -0.01245117, -0.08300781,  0.19824219,
        -0.08544922,  0.14550781,  0.04541016, -0.10400391,  0.34570312,
         0.02416992,  0.12158203, -0.25585938,  0.28710938,  0.17675781,
         0.10791016, -0.23144531, -0.34179688,  0.20605469,  0.09814453,
        -0.17089844, -0.31640625, -0.10253906, -0.14648438,  0.10839844,
        -0.296875  , -0.11474609, -0.11767578,  0.00897217,  0.05151367,
         0.05200195, -0.05322266,  0.10449219,  0.16015625, -0.2578125 ,
         0.15527344, -0.33789062, -0.02099609, -0.18066406,  0.06982422,
        -0.08447266,  0.02819824,  0.12695312, -0.08642578, -0.06396484,
         0.23339844,  0.1875    ,  0.05175781, -0.03564453,  0.27734375,
        -0.48046875, -0.22363281,  0.125     , -0.23535156,  0.0625    ,
        -0.11132812,  0.41796875,  0.17285156, -0.01159668,  0.125     ,
        -0.06176758,  0.03637695, -0.1875    , -0.30078125, -0.14746094,
        -0.03088379,  0.11035156, -0.22558594, -0.16601562,  0.11425781,
        -0.23632812,  0.02148438, -0.12988281, -0.23242188, -0.16992188,
        -0.22558594, -0.2734375 ,  0.00686646,  0.04370117,  0.203125  ,
         0.06640625, -0.20605469,  0.25585938,  0.01251221,  0.11279297,
         0.06738281,  0.02929688, -0.19140625, -0.17480469, -0.00854492,
         0.28710938,  0.11621094, -0.4921875 ,  0.08398438,  0.03491211,
        -0.06835938, -0.12695312, -0.2109375 , -0.03637695, -0.02185059,
         0.06933594,  0.0859375 , -0.06542969,  0.02160645, -0.0378418 ,
         0.17773438,  0.00854492,  0.08007812, -0.12597656, -0.12011719,
         0.04492188,  0.03320312, -0.05249023, -0.11523438,  0.0189209 ,
        -0.21777344,  0.15234375,  0.05981445, -0.28515625,  0.06347656,
         0.08154297, -0.10449219,  0.12060547,  0.0390625 ,  0.17285156,
         0.11132812, -0.17285156, -0.04272461, -0.02478027,  0.04614258,
        -0.16992188,  0.03320312,  0.08886719,  0.24707031, -0.00491333,
         0.02819824,  0.05859375,  0.00193787, -0.05126953,  0.328125  ,
         0.13671875,  0.10644531,  0.39648438, -0.22851562,  0.234375  ,
         0.08642578,  0.16699219, -0.24121094,  0.06933594, -0.03295898,
        -0.44335938,  0.06884766, -0.34375   , -0.03491211, -0.02880859,
         0.17578125,  0.06591797, -0.03015137, -0.171875  , -0.04858398,
         0.08837891,  0.296875  , -0.30859375, -0.13574219, -0.44921875,
         0.0177002 ,  0.234375  , -0.03320312,  0.09228516,  0.05712891,
        -0.04760742,  0.06445312, -0.03320312, -0.09228516,  0.18554688,
        -0.0703125 ,  0.23632812, -0.18164062,  0.21386719,  0.28515625,
         0.02648926,  0.09814453,  0.11767578,  0.04663086,  0.2734375 ,
        -0.04394531, -0.07666016,  0.01269531, -0.23046875,  0.04077148,
        -0.06835938,  0.11767578, -0.22070312,  0.00878906, -0.00051498],
       dtype=float32),
 'message': array([ 1.17675781e-01,  9.08203125e-02,  1.97753906e-02, -6.44
531250e-02,
        -1.37329102e-03,  1.74804688e-01, -4.24804688e-02, -2.08984375e-01,
         4.10156250e-02, -7.22656250e-02, -7.76367188e-02, -8.54492188e-02,
         1.63085938e-01,  1.61132812e-01,  1.70898438e-01,  2.46093750e-01,
        -2.92968750e-01,  2.28515625e-01,  6.64062500e-02, -2.61718750e-01,
         4.58984375e-01,  4.88281250e-01,  2.18750000e-01, -2.30468750e-01,
        -1.81640625e-01, -1.07421875e-01, -1.92382812e-01,  2.00195312e-01,
```

```
 2.92968750e-01, -7.32421875e-02, -9.61914062e-02, -1.51367188e-01,
-1.22558594e-01, -3.54003906e-02,  2.38281250e-01,  1.93359375e-01,
 1.42578125e-01,  2.65625000e-01,  5.88378906e-02,  1.16210938e-01,
-4.76074219e-02,  1.89453125e-01, -2.47802734e-02,  3.07617188e-02,
-2.96875000e-01,  1.56250000e-01, -7.22656250e-02,  1.95312500e-01,
-1.50390625e-01, -8.00781250e-02, -9.71679688e-02,  3.35937500e-01,
 7.71484375e-02,  1.66015625e-01,  3.20312500e-01, -5.07812500e-02,
 1.06201172e-02,  2.90527344e-02, -7.37304688e-02, -1.52343750e-01,
 6.98242188e-02,  1.48437500e-01, -1.38671875e-01,  3.06640625e-01,
-3.73535156e-02,  1.29394531e-02, -9.42382812e-02,  1.50390625e-01,
 1.69921875e-01,  2.06054688e-01, -2.10937500e-01,  1.53320312e-01,
 2.63671875e-01, -5.05371094e-02,  1.22558594e-01, -6.83593750e-02,
 3.43750000e-01,  6.12792969e-02,  1.47460938e-01,  1.90429688e-01,
 1.37695312e-01, -1.00585938e-01,  1.33789062e-01, -3.02734375e-01,
-5.39550781e-02, -6.20117188e-02, -2.28515625e-01, -2.63671875e-01,
 1.52343750e-01,  1.64062500e-01,  6.03027344e-02, -6.83593750e-02,
-4.76074219e-02, -1.82617188e-01, -1.76757812e-01, -1.49414062e-01,
 2.34375000e-02,  7.95898438e-02, -9.86328125e-02, -5.05371094e-02,
-2.16796875e-01,  1.35742188e-01,  6.93359375e-02,  1.99218750e-01,
 4.88281250e-04, -9.22851562e-02, -1.88476562e-01, -2.67578125e-01,
 1.49414062e-01,  8.12530518e-04, -1.88476562e-01, -1.65039062e-01,
-3.34472656e-02,  1.04980469e-02,  1.53320312e-01, -5.44433594e-02,
 1.18652344e-01,  2.18750000e-01, -1.20849609e-02,  2.65625000e-01,
-2.47070312e-01, -1.08886719e-01, -1.78710938e-01,  2.29492188e-01,
 1.22558594e-01, -1.31835938e-01, -1.02539062e-01, -1.64062500e-01,
 2.40234375e-01, -3.24707031e-02,  4.90722656e-02, -1.26953125e-01,
 9.32617188e-02, -2.17773438e-01,  2.55126953e-02, -1.22558594e-01,
-1.43432617e-02,  1.35742188e-01,  1.53320312e-01, -6.12792969e-02,
 1.14746094e-01, -1.07421875e-01,  8.59375000e-02, -3.73046875e-01,
-2.05078125e-02,  3.95507812e-02,  8.78906250e-02, -3.10546875e-01,
 6.39648438e-02, -8.83789062e-02,  9.47265625e-02,  4.02343750e-01,
 1.78710938e-01,  4.94384766e-03, -1.61132812e-01, -1.10351562e-01,
-4.80468750e-01,  1.85546875e-01,  6.34765625e-02, -9.81445312e-02,
-2.34375000e-01,  3.26171875e-01, -2.12402344e-02,  8.10546875e-02,
-5.24902344e-02, -1.61132812e-01,  6.64062500e-02, -1.98242188e-01,
-3.23486328e-03,  8.10546875e-02,  6.44531250e-02,  1.60156250e-01,
 9.03320312e-02, -3.63281250e-01,  5.37109375e-02,  2.17773438e-01,
 4.88281250e-02,  3.93066406e-02, -1.23046875e-01, -1.66015625e-01,
-2.50000000e-01,  3.49121094e-02, -5.00488281e-02,  1.72851562e-01,
 2.33398438e-01,  1.05957031e-01, -2.34375000e-01,  6.73828125e-02,
-2.41699219e-02,  1.54296875e-01, -3.55468750e-01,  1.04003906e-01,
-1.20849609e-02,  4.68750000e-02, -2.71484375e-01,  1.36718750e-01,
 1.55273438e-01,  1.02050781e-01,  9.96093750e-02,  2.85156250e-01,
 1.86523438e-01, -5.32226562e-02,  1.08337402e-03, -2.28515625e-01,
-5.22460938e-02,  6.28662109e-03,  1.12304688e-01,  1.18164062e-01,
-2.63671875e-01, -1.01562500e-01, -2.33154297e-02,  1.51367188e-01,
 1.46484375e-02, -8.49609375e-02, -2.96875000e-01,  2.21679688e-01,
 9.47265625e-02,  2.34375000e-01, -1.34765625e-01,  1.59179688e-01,
-8.05664062e-02, -2.50244141e-02, -3.01513672e-02, -2.97851562e-02,
-3.54003906e-02, -2.31445312e-01, -1.59179688e-01,  4.44335938e-02,
 1.50390625e-01,  2.19726562e-01, -1.64062500e-01,  5.85937500e-02,
-2.69775391e-02, -2.96875000e-01, -6.92749023e-03, -1.22558594e-01,
 7.66601562e-02, -1.40625000e-01,  3.45703125e-01,  1.36718750e-01,
 7.59887695e-03, -1.30859375e-01,  4.98046875e-02, -1.36718750e-01,
 2.59765625e-01, -2.28271484e-02,  3.03955078e-02,  1.56250000e-01,
 2.57812500e-01,  1.82617188e-01, -8.49609375e-02,  8.93554688e-02,
-1.81640625e-01,  4.51660156e-02,  1.13769531e-01, -2.55859375e-01,
-6.17675781e-02, -1.12792969e-01,  2.23388672e-02, -2.02148438e-01,
-2.27050781e-02,  1.83105469e-02, -4.74609375e-01, -1.53320312e-01,
-2.63671875e-01,  4.15039062e-02,  1.50390625e-01,  2.77099609e-02,
-2.73437500e-01, -1.15234375e-01,  1.93359375e-01,  1.34765625e-01,
 3.18359375e-01, -1.87500000e-01,  1.02539062e-02,  2.73437500e-02,
-1.32812500e-01,  4.54101562e-02,  1.51367188e-01,  1.95312500e-01,
 1.24511719e-02, -4.17480469e-02,  7.32421875e-02, -5.15136719e-02,
```

```
        -7.81250000e-02,  1.43554688e-01,  1.99218750e-01,  1.15234375e-01,
         1.16699219e-01,  4.41894531e-02, -3.78417969e-02,  5.22460938e-02,
         2.77343750e-01, -3.61328125e-01, -1.39648438e-01, -1.80664062e-01,
         9.08203125e-02, -5.27343750e-01,  5.44433594e-02, -3.88183594e-0
2],
       dtype=float32),
 'availability': array([ 0.01904297, -0.12597656, -0.28515625, -0.02941895,
0.0098877 ,
        -0.05078125,  0.09716797, -0.1640625 ,  0.37109375,  0.13085938,
        -0.09130859, -0.06152344, -0.03271484, -0.03466797, -0.1015625 ,
         0.09521484,  0.12353516,  0.05200195,  0.13085938,  0.04394531,
        -0.29882812,  0.00497437, -0.25      ,  0.4453125 , -0.3203125 ,
         0.13769531, -0.08886719,  0.06103516, -0.09228516,  0.18164062,
         0.0703125 ,  0.08984375,  0.05786133, -0.3046875 , -0.11572266,
         0.1640625 , -0.16796875, -0.23828125,  0.34765625, -0.12402344,
         0.02087402,  0.08496094,  0.05615234,  0.08349609, -0.0067749 ,
        -0.21289062, -0.05175781, -0.05078125, -0.19921875,  0.18359375,
         0.09912109,  0.08154297, -0.19238281, -0.18554688,  0.01177979,
        -0.04492188, -0.00309753,  0.11132812, -0.11523438,  0.10253906,
        -0.05957031, -0.00448608, -0.359375  , -0.01672363,  0.10400391,
        -0.1328125 , -0.06884766,  0.0067749 , -0.10351562,  0.14746094,
         0.03173828, -0.30859375, -0.09814453,  0.04272461, -0.234375  ,
        -0.16210938, -0.00358582, -0.09130859, -0.03540039,  0.5390625 ,
         0.28320312,  0.23339844, -0.15527344, -0.06201172,  0.25195312,
        -0.19042969, -0.12597656,  0.16601562,  0.09570312,  0.29101562,
         0.10839844,  0.1953125 ,  0.18164062, -0.02783203,  0.12695312,
        -0.14355469, -0.09130859,  0.09960938, -0.00753784,  0.08447266,
         0.15625   ,  0.00479126, -0.07421875, -0.25585938, -0.04052734,
        -0.21582031, -0.27148438,  0.12402344, -0.20507812, -0.14257812,
         0.12988281, -0.00775146, -0.45507812, -0.24121094, -0.13671875,
        -0.08300781,  0.05615234, -0.10205078,  0.39648438, -0.04736328,
        -0.07275391,  0.32226562, -0.00457764,  0.04638672,  0.14355469,
         0.15527344, -0.23144531,  0.20898438,  0.01928711, -0.17871094,
         0.20605469,  0.54296875, -0.11914062, -0.0456543 , -0.29882812,
        -0.16796875,  0.3359375 , -0.02624512,  0.10058594,  0.01696777,
         0.03344727, -0.02478027, -0.07275391,  0.10498047,  0.265625  ,
        -0.12597656,  0.24902344,  0.01080322, -0.05834961, -0.03051758,
         0.04052734, -0.0378418 ,  0.08251953, -0.27539062,  0.02294922,
        -0.36328125,  0.13769531, -0.04785156,  0.09130859, -0.328125  ,
         0.01348877, -0.16992188,  0.10253906,  0.00317383, -0.24707031,
        -0.12890625, -0.25585938,  0.04907227, -0.06396484, -0.35351562,
        -0.22070312,  0.08496094,  0.13378906, -0.16210938, -0.00466919,
        -0.05615234, -0.06103516, -0.37890625, -0.07666016,  0.14453125,
        -0.2109375 ,  0.09228516,  0.30664062, -0.3984375 ,  0.10693359,
        -0.09375   , -0.2421875 , -0.03637695,  0.14453125,  0.29296875,
        -0.10644531, -0.265625  , -0.21582031,  0.046875  , -0.3203125 ,
         0.04125977,  0.10595703,  0.09960938,  0.14355469, -0.41601562,
        -0.05761719,  0.2265625 , -0.14453125, -0.10888672, -0.08007812,
         0.13378906,  0.08105469,  0.09619141,  0.0625    ,  0.02832031,
         0.01367188, -0.32421875,  0.04956055,  0.07080078, -0.00787354,
         0.06445312,  0.37304688, -0.04345703, -0.421875  ,  0.09082031,
        -0.00964355, -0.15039062,  0.20898438,  0.21484375, -0.09130859,
         0.06201172, -0.21289062, -0.10595703,  0.12011719, -0.06591797,
         0.07177734,  0.33789062,  0.33789062, -0.18359375,  0.09570312,
        -0.03466797,  0.1796875 , -0.09375   , -0.10546875,  0.06225586,
         0.01940918,  0.05859375, -0.04980469, -0.07568359, -0.12988281,
         0.08740234, -0.12451172,  0.12109375, -0.00878906, -0.140625  ,
         0.03442383,  0.07861328,  0.16796875,  0.04296875, -0.04199219,
        -0.05541992,  0.04003906, -0.07568359, -0.10351562,  0.1328125 ,
         0.03564453, -0.12011719, -0.10009766,  0.14355469, -0.03063965,
        -0.07568359,  0.21582031, -0.3359375 ,  0.12792969, -0.2265625 ,
        -0.11621094,  0.02490234,  0.02722168, -0.05297852,  0.16601562,
         0.0267334 ,  0.07421875, -0.26171875, -0.20117188, -0.15625   ,
        -0.03222656, -0.02587891,  0.27929688, -0.00102997, -0.13378906,
```

```
         0.16113281, -0.13183594, -0.07714844, -0.05883789,  0.04614258,
         0.05444336,  0.140625  ,  0.04248047,  0.07861328,  0.40625   ,
         0.17480469,  0.01519775, -0.33398438, -0.12695312, -0.17089844],
       dtype=float32),
 'daytime': array([-0.28710938,  0.15722656, -0.17089844, -0.08496094,  0.0
7226562,
         0.02624512, -0.01489258,  0.01843262, -0.07324219,  0.17285156,
         0.01226807,  0.27734375,  0.19335938,  0.14453125, -0.03295898,
         0.14355469, -0.09423828, -0.26757812,  0.30078125, -0.10839844,
        -0.10400391, -0.06591797, -0.09228516,  0.04541016, -0.39648438,
         0.07421875, -0.03417969,  0.296875  ,  0.00778198, -0.09521484,
        -0.2265625 , -0.171875  , -0.09130859,  0.01306152, -0.15332031,
        -0.26171875, -0.06030273,  0.08007812,  0.01324463,  0.06835938,
        -0.14160156, -0.22558594,  0.12695312,  0.18945312, -0.16015625,
         0.21582031, -0.00656128, -0.04174805,  0.17773438, -0.04931641,
        -0.390625  , -0.27148438, -0.15429688,  0.17285156,  0.27539062,
        -0.421875  , -0.00292969,  0.10742188,  0.01416016, -0.00125122,
        -0.07519531,  0.1640625 , -0.34570312, -0.0111084 ,  0.34179688,
         0.29296875, -0.21777344,  0.20117188, -0.30078125, -0.05102539,
         0.16503906,  0.22070312,  0.25976562,  0.28125   , -0.08251953,
         0.15039062,  0.18359375, -0.10839844, -0.00082397,  0.04443359,
        -0.05541992, -0.02929688, -0.03295898, -0.14453125, -0.03222656,
         0.26757812, -0.14160156,  0.08300781,  0.12304688,  0.38476562,
        -0.07177734, -0.2265625 , -0.40039062, -0.28515625,  0.16015625,
        -0.09228516,  0.01116943, -0.12988281, -0.04077148, -0.07958984,
        -0.13964844, -0.13476562, -0.17675781, -0.06933594, -0.07763672,
        -0.05908203, -0.12011719, -0.17675781, -0.08251953,  0.09375   ,
         0.09667969, -0.14746094,  0.06542969, -0.18164062,  0.22949219,
        -0.08984375,  0.07226562, -0.19726562,  0.11669922,  0.15820312,
        -0.33007812,  0.24023438, -0.09472656,  0.24804688,  0.05175781,
        -0.02185059, -0.20117188,  0.26367188,  0.25585938, -0.00817871,
         0.10742188, -0.3828125 ,  0.09765625,  0.24414062, -0.16210938,
         0.09912109, -0.16503906, -0.23925781,  0.13378906,  0.05395508,
         0.11083984, -0.30273438,  0.1484375 ,  0.13769531,  0.16210938,
         0.13964844,  0.234375  ,  0.18554688, -0.05786133, -0.05395508,
         0.2109375 ,  0.02233887, -0.05053711, -0.23339844, -0.12255859,
        -0.5546875 ,  0.2734375 , -0.11865234,  0.12988281,  0.24121094,
        -0.12597656,  0.38476562, -0.01434326,  0.11132812,  0.19042969,
         0.11962891, -0.296875  , -0.05566406,  0.10253906, -0.40820312,
        -0.18847656, -0.03979492,  0.01293945, -0.19628906, -0.3984375 ,
        -0.27539062,  0.09814453,  0.06884766, -0.33203125, -0.09765625,
        -0.04541016,  0.34179688, -0.17871094,  0.09423828,  0.19628906,
        -0.35546875, -0.125     , -0.33789062,  0.13476562,  0.05175781,
        -0.11474609,  0.08398438,  0.15234375,  0.05102539, -0.10791016,
         0.25390625,  0.1796875 ,  0.12402344, -0.01574707,  0.02258301,
         0.09082031,  0.06396484, -0.05273438, -0.04077148,  0.30664062,
         0.09863281, -0.34179688,  0.28125   ,  0.08203125,  0.04614258,
        -0.37695312, -0.12695312, -0.06176758,  0.02404785,  0.20605469,
         0.17480469, -0.00063705, -0.26757812, -0.30078125,  0.02539062,
         0.17089844,  0.0456543 , -0.0703125 , -0.00170135, -0.02429199,
        -0.00341797,  0.18945312,  0.25976562, -0.09667969,  0.05908203,
        -0.04638672, -0.22070312, -0.0324707 ,  0.20507812, -0.03540039,
        -0.13476562,  0.07226562, -0.09960938, -0.09863281, -0.12890625,
         0.24121094, -0.51171875,  0.09228516, -0.33007812, -0.18457031,
        -0.03759766, -0.03637695,  0.06542969, -0.10791016, -0.20996094,
         0.0402832 , -0.10058594, -0.00305176, -0.01782227,  0.04077148,
        -0.01733398,  0.0534668 , -0.10351562, -0.28320312,  0.02624512,
         0.04711914, -0.28710938,  0.09423828, -0.04785156, -0.06152344,
         0.23632812,  0.06347656,  0.08105469, -0.11035156, -0.15039062,
        -0.37109375,  0.1640625 ,  0.22851562, -0.05102539,  0.30078125,
        -0.28515625,  0.13867188, -0.13671875,  0.24609375,  0.08789062,
        -0.10107422,  0.27734375,  0.05126953, -0.26757812,  0.18261719,
        -0.00646973,  0.16210938, -0.09277344, -0.23632812,  0.04248047,
         0.06005859,  0.07177734, -0.2421875 , -0.140625  , -0.11376953,
```

```
        -0.15917969, -0.10644531, -0.00157166,  0.04272461, -0.03735352],
       dtype=float32),
 'demonstrated': array([-2.08007812e-01,  1.87500000e-01, -2.15820312e-01,
1.25122070e-02,
        -1.80664062e-02, -2.00195312e-01,  5.90820312e-02, -2.29492188e-01,
        -5.07812500e-02,  8.74023438e-02, -3.75000000e-01, -1.63085938e-01,
         6.68945312e-02,  9.86328125e-02,  7.32421875e-02,  9.91210938e-02,
        -1.23291016e-02,  1.67968750e-01, -3.49609375e-01, -4.63867188e-02,
        -1.46484375e-01, -4.10156250e-02, -2.26562500e-01, -2.31933594e-02,
        -8.66699219e-03, -2.44140625e-01, -2.68554688e-02, -2.91442871e-03,
        -1.23535156e-01,  2.79541016e-02,  2.47070312e-01, -8.34960938e-02,
         4.08935547e-03,  4.23828125e-01,  9.81445312e-02,  2.98828125e-01,
        -9.96093750e-02, -2.15148926e-03, -5.51757812e-02, -8.20312500e-02,
         3.58886719e-02,  8.49609375e-02,  4.39453125e-03,  1.13769531e-01,
         3.11279297e-02, -3.41796875e-02, -3.41796875e-01,  1.12915039e-02,
        -1.20605469e-01,  1.03149414e-02,  4.90722656e-02, -9.13085938e-02,
        -1.65039062e-01, -9.81445312e-02, -3.66210938e-02,  1.16699219e-01,
        -2.31445312e-01, -2.57812500e-01,  6.59179688e-02,  1.21582031e-01,
        -2.33154297e-02,  2.17773438e-01,  1.40625000e-01, -2.18750000e-01,
         2.91748047e-02, -1.16699219e-01, -2.73437500e-02,  3.00781250e-01,
         2.13623047e-02, -2.45361328e-02, -4.10156250e-01, -8.64257812e-02,
         1.92382812e-01, -2.60009766e-02,  6.54296875e-02, -1.52343750e-01,
         2.46093750e-01,  1.87988281e-02,  1.44531250e-01,  1.29882812e-01,
        -2.88085938e-02,  2.49023438e-01, -9.57031250e-02, -1.75781250e-01,
        -1.59912109e-02, -1.61132812e-01, -4.19921875e-02, -6.74438477e-03,
        -1.51367188e-01,  1.23046875e-01, -9.82666016e-03, -2.40234375e-01,
         1.62109375e-01,  1.72851562e-01,  1.01562500e-01, -2.55859375e-01,
         7.47070312e-02,  1.48925781e-02, -7.32421875e-02, -4.29687500e-02,
         2.02148438e-01, -2.36328125e-01, -5.32226562e-02,  3.63281250e-01,
         5.07812500e-02, -7.47070312e-02, -5.24902344e-03, -2.40234375e-01,
         6.93359375e-02, -4.17480469e-02,  1.10473633e-02, -1.20117188e-01,
         1.06201172e-02,  1.65039062e-01,  1.85546875e-02, -1.51977539e-02,
         1.51977539e-02, -1.17187500e-02,  1.41601562e-01, -1.82617188e-01,
         2.44140625e-01, -9.47265625e-02,  2.20947266e-02, -1.95312500e-01,
        -1.92260742e-03,  1.07421875e-01, -1.06811523e-02, -1.71875000e-01,
         1.11694336e-02, -2.20703125e-01,  2.13623047e-02, -9.37500000e-02,
         2.89306641e-02, -1.02539062e-01,  2.19726562e-01, -3.01513672e-02,
         2.55859375e-01, -2.00195312e-02, -3.80859375e-02, -7.12890625e-02,
        -2.89062500e-01,  2.09960938e-02,  2.57568359e-02, -1.24023438e-01,
        -1.05957031e-01,  1.98242188e-01,  1.20117188e-01,  3.19824219e-02,
         1.53320312e-01,  2.16064453e-02,  2.73437500e-01, -2.55126953e-02,
         6.68945312e-02, -4.34570312e-02, -2.57812500e-01,  1.05957031e-01,
         2.13623047e-02,  4.10156250e-02, -9.13085938e-02, -6.00585938e-02,
         1.26953125e-01,  9.71679688e-02, -1.03515625e-01, -1.43554688e-01,
        -4.02832031e-02, -1.65039062e-01,  6.88476562e-02, -3.32031250e-02,
         1.30859375e-01,  3.82995605e-03,  1.26953125e-02, -5.63964844e-02,
         6.64062500e-02, -4.83398438e-02,  3.73535156e-02, -4.71191406e-02,
        -8.64257812e-02,  4.90722656e-02,  4.68750000e-02, -1.06445312e-01,
         2.09960938e-02,  2.03125000e-01,  7.27539062e-02,  4.05883789e-03,
        -1.48437500e-01, -3.19824219e-02, -2.05078125e-01, -3.28125000e-01,
        -2.77343750e-01, -3.44238281e-02, -2.87109375e-01, -2.92968750e-02,
         1.70898438e-01, -2.05993652e-04, -2.01171875e-01,  5.54199219e-02,
         2.03125000e-01, -2.31933594e-02,  1.48437500e-01, -6.73828125e-02,
        -6.39648438e-02,  9.03320312e-02, -8.10546875e-02, -4.12597656e-02,
        -2.98828125e-01,  3.39355469e-02, -4.46777344e-02,  1.42578125e-01,
         9.52148438e-03, -6.68945312e-02, -1.16699219e-01,  2.92968750e-01,
        -2.77343750e-01, -6.88476562e-02, -1.70898438e-01, -4.41406250e-01,
         2.43164062e-01, -1.10839844e-01, -1.38671875e-01,  1.43554688e-01,
        -4.54101562e-02, -8.25195312e-02, -1.04492188e-01,  6.65283203e-03,
         1.41601562e-01,  1.37695312e-01,  6.78710938e-02,  7.81250000e-02,
         5.20019531e-02, -3.71093750e-01, -1.09863281e-01, -9.09423828e-03,
         3.41796875e-01,  6.15234375e-02, -1.86523438e-01, -1.02539062e-01,
         1.10351562e-01,  4.00390625e-02,  2.05078125e-01,  1.79687500e-01,
        -2.24609375e-01,  2.01416016e-02,  4.22363281e-02,  8.49609375e-02,
```

```
         2.29492188e-01, -3.83300781e-02, -7.86132812e-02, -1.64794922e-02,
         1.48437500e-01, -4.06250000e-01, -6.54296875e-02, -6.07910156e-02,
        -8.15429688e-02,  1.04003906e-01,  2.80761719e-02, -9.96093750e-02,
        -9.27734375e-02,  8.05664062e-02, -2.10937500e-01, -5.61523438e-02,
         4.51660156e-02,  3.39355469e-02, -1.04003906e-01,  4.37011719e-02,
         5.93261719e-02,  2.83203125e-01,  2.02148438e-01, -9.86328125e-02,
        -2.58789062e-02, -8.59375000e-02,  2.38037109e-02,  1.19140625e-01,
        -3.69140625e-01, -2.51953125e-01,  9.52148438e-03, -3.97949219e-02,
        -2.42187500e-01,  1.15234375e-01, -4.95605469e-02, -1.04492188e-01,
         1.50390625e-01,  3.94531250e-01,  6.15234375e-02, -1.54296875e-01,
        -9.81445312e-02, -1.44653320e-02, -5.81054688e-02,  6.64062500e-02,
         9.37500000e-02,  8.30078125e-02, -3.34472656e-02,  9.08203125e-02,
        -2.40234375e-01,  2.53906250e-01, -1.53320312e-01, -1.96289062e-01,
         1.77734375e-01, -1.31835938e-01,  1.55273438e-01,  1.50390625e-0
1],
       dtype=float32),
 'experience': array([ 3.78417969e-02, -6.00585938e-02, -5.81054688e-02, -
1.53320312e-01,
         7.12890625e-02,  1.29882812e-01, -1.02050781e-01, -2.50000000e-01,
         3.08837891e-02, -5.12695312e-02,  1.06933594e-01,  6.25000000e-02,
        -4.54101562e-02, -1.52343750e-01,  7.93457031e-03,  1.88476562e-01,
         1.17187500e-01,  2.61718750e-01,  6.49414062e-02, -3.67187500e-01,
        -8.20312500e-02,  1.10351562e-01, -6.49414062e-02,  1.24511719e-01,
        -1.38549805e-02, -5.98144531e-02, -1.11328125e-01, -1.25000000e-01,
        -2.50000000e-01, -1.09863281e-01,  6.83593750e-02,  8.25195312e-02,
        -1.32812500e-01,  7.66601562e-02,  1.76757812e-01,  2.39257812e-02,
        -8.69140625e-02,  7.66601562e-02,  5.15136719e-02,  4.33349609e-03,
         1.27929688e-01,  3.11279297e-03, -9.76562500e-02,  1.05957031e-01,
        -6.00585938e-02, -2.03125000e-01, -2.61718750e-01,  2.10937500e-01,
        -8.10546875e-02, -2.31445312e-01, -7.42187500e-02,  1.37695312e-01,
        -1.25000000e-01,  5.61523438e-03,  9.91210938e-02,  4.46777344e-02,
         1.23291016e-02, -1.00585938e-01,  1.42578125e-01, -3.26171875e-01,
        -9.03320312e-02, -1.55273438e-01,  2.03857422e-02,  2.63671875e-02,
        -1.51367188e-01,  9.57031250e-02, -1.53320312e-01,  3.49121094e-02,
         7.51953125e-02, -3.32641602e-03,  5.82885742e-03, -5.76171875e-02,
         2.07031250e-01,  1.22558594e-01,  3.83300781e-02, -3.08593750e-01,
         1.26953125e-01,  1.93359375e-01,  1.94335938e-01,  1.53320312e-01,
         1.25976562e-01, -7.37304688e-02,  1.37695312e-01,  6.83593750e-02,
         3.73535156e-02, -1.48437500e-01, -2.96875000e-01,  8.34960938e-02,
         1.92382812e-01,  7.65991211e-03,  8.39843750e-02, -2.08984375e-01,
        -1.04492188e-01,  1.37695312e-01,  8.64257812e-02, -2.51953125e-01,
        -1.46484375e-01,  2.57812500e-01,  5.00488281e-02, -2.56347656e-02,
        -1.10839844e-01,  1.25000000e-01, -1.02539062e-01,  2.79296875e-01,
         1.55273438e-01, -1.35742188e-01,  5.61523438e-02, -8.74023438e-02,
         3.73535156e-02, -2.71484375e-01,  1.79687500e-01,  1.72851562e-01,
         1.69921875e-01, -1.67968750e-01,  7.81250000e-02,  4.76074219e-02,
        -3.49121094e-02, -7.61718750e-02,  9.39941406e-03, -2.35351562e-01,
        -3.67187500e-01, -9.57031250e-02,  1.27929688e-01,  1.64062500e-01,
         5.32226562e-02,  1.23535156e-01,  2.17285156e-02, -2.49023438e-02,
        -1.05590820e-02,  3.67187500e-01, -2.73437500e-01, -1.14257812e-01,
        -3.20312500e-01,  2.27050781e-02,  7.81250000e-02,  1.31225586e-03,
         1.08398438e-01, -6.64062500e-02, -1.71875000e-01,  1.10351562e-01,
        -1.23535156e-01, -3.10058594e-02, -2.74658203e-02,  9.52148438e-02,
         1.43554688e-01, -1.41601562e-01,  1.17675781e-01,  8.54492188e-02,
         6.44531250e-02, -1.81198120e-04,  1.21093750e-01,  2.94921875e-01,
        -1.55273438e-01,  1.76757812e-01, -1.87500000e-01, -1.18164062e-01,
        -1.38671875e-01, -9.86328125e-02, -3.28125000e-01, -3.16406250e-01,
         1.50390625e-01,  4.46777344e-02, -1.35742188e-01,  2.20703125e-01,
        -6.78710938e-02, -4.22363281e-02,  5.02929688e-02, -6.22558594e-02,
         1.67083740e-03,  6.15234375e-02, -6.80541992e-03,  5.95703125e-02,
        -3.36914062e-02, -3.88671875e-01,  7.03125000e-02,  2.85644531e-02,
         2.74658203e-02, -2.07031250e-01, -2.90527344e-02, -1.44531250e-01,
        -2.37304688e-01,  1.98242188e-01,  1.66992188e-01,  6.07299805e-03,
        -1.86523438e-01, -2.53906250e-01,  9.96093750e-02, -2.45117188e-01,
```

```
         5.66406250e-02, -1.45507812e-01, -1.53320312e-01, -1.73828125e-01,
         1.36718750e-01,  4.08935547e-03, -4.54101562e-02,  2.32421875e-01,
         1.31835938e-01,  9.52148438e-02, -1.51367188e-01, -1.31835938e-01,
        -8.54492188e-02,  2.63671875e-01, -5.88378906e-02, -6.59179688e-02,
        -9.66796875e-02, -1.21093750e-01, -1.20117188e-01, -2.77343750e-01,
        -1.35742188e-01,  1.54296875e-01, -2.18505859e-02,  1.12304688e-01,
        -3.90625000e-02, -7.62939453e-03,  8.69140625e-02, -1.95312500e-01,
        -6.00585938e-02,  4.33349609e-03,  9.76562500e-02, -1.38671875e-01,
         1.91650391e-02,  5.02929688e-02, -8.54492188e-02,  8.49609375e-02,
         4.24804688e-02, -1.83868408e-03,  7.03125000e-02, -7.37304688e-02,
        -1.73828125e-01, -8.42285156e-03, -1.33789062e-01, -8.20312500e-02,
         1.41601562e-01, -2.16796875e-01, -8.10546875e-02,  8.64257812e-02,
        -5.24902344e-02,  1.15722656e-01, -4.19921875e-02,  1.72851562e-01,
        -4.37011719e-02,  7.76367188e-02, -1.36718750e-01, -1.26953125e-01,
        -6.17675781e-02,  1.57226562e-01, -8.74023438e-02, -1.06933594e-01,
         1.01074219e-01, -1.74804688e-01,  1.05468750e-01, -1.00097656e-01,
        -1.48437500e-01,  2.20947266e-02, -4.00390625e-02, -3.12500000e-02,
        -5.02929688e-02,  1.42578125e-01, -2.55859375e-01, -1.15722656e-01,
         1.43554688e-01, -1.30859375e-01,  8.25195312e-02,  3.39843750e-01,
        -7.08007812e-02,  1.17187500e-01,  1.31835938e-01,  5.93261719e-02,
        -2.96875000e-01, -1.86523438e-01,  1.04370117e-02, -6.68945312e-02,
         7.03125000e-02, -4.54711914e-03,  3.46679688e-02, -9.27734375e-02,
         2.07519531e-02,  3.10546875e-01,  2.01416016e-02, -3.10546875e-01,
         1.98242188e-01, -1.51367188e-01,  1.58203125e-01,  1.61132812e-01,
        -2.21679688e-01,  7.86132812e-02, -2.37304688e-01, -5.05371094e-02,
        -1.52343750e-01,  1.00585938e-01, -2.69531250e-01,  1.27929688e-01,
        -1.79443359e-02,  1.79290771e-03, -1.52343750e-01,  6.44531250e-02,
         1.80664062e-01, -1.39648438e-01, -5.27954102e-03,  8.48388672e-0
3],
       dtype=float32),
 'organizing': array([ 9.37500000e-02,  9.81445312e-02,  6.29882812e-02, -
6.17675781e-02,
         6.44531250e-02,  1.60156250e-01, -1.26953125e-01, -1.50390625e-01,
        -9.15527344e-03, -2.10937500e-01,  9.81445312e-02,  6.98242188e-02,
        -4.44335938e-02,  1.08886719e-01,  8.54492188e-02,  1.29882812e-01,
         1.47460938e-01,  6.64062500e-02,  1.02539062e-02, -1.97265625e-01,
        -2.44140625e-02,  1.12792969e-01,  7.37304688e-02, -2.38037109e-02,
         1.36718750e-01, -1.07421875e-01, -2.52685547e-02, -1.52343750e-01,
        -9.96093750e-02, -1.57226562e-01,  6.49414062e-02, -7.81250000e-02,
         1.43554688e-01,  2.11914062e-01,  1.24511719e-01,  1.47460938e-01,
        -3.88183594e-02, -1.18164062e-01,  3.18359375e-01, -4.98046875e-02,
         1.10351562e-01,  8.30078125e-02,  4.80957031e-02,  2.88085938e-02,
        -3.80859375e-01, -3.20312500e-01, -3.76953125e-01, -4.12597656e-02,
        -2.03857422e-02,  1.96289062e-01, -5.37109375e-02, -6.15234375e-02,
        -3.20434570e-03,  5.83496094e-02, -1.91406250e-01,  7.81250000e-02,
         2.61230469e-02, -1.18164062e-01,  6.10351562e-02, -4.80957031e-02,
         7.11059570e-03,  2.79541016e-02, -1.15722656e-01, -1.12304688e-01,
         8.69140625e-02, -7.86132812e-02, -2.35351562e-01,  1.04980469e-01,
         1.33789062e-01,  1.23535156e-01, -5.12695312e-02,  1.58203125e-01,
         1.69921875e-01, -2.53906250e-02,  7.51953125e-02, -2.39257812e-01,
         1.09863281e-01, -3.45703125e-01, -4.88281250e-03, -3.93066406e-02,
         7.35473633e-03, -1.61132812e-01,  1.23535156e-01, -7.69042969e-03,
        -7.12890625e-02, -2.14843750e-01, -8.54492188e-02, -2.15820312e-01,
         1.81640625e-01,  1.56250000e-01,  3.82812500e-01, -3.67187500e-01,
        -7.66601562e-02, -4.96093750e-01, -4.73632812e-02, -5.85937500e-02,
         2.55859375e-01, -3.39843750e-01,  6.19506836e-03,  1.61132812e-01,
        -2.71484375e-01, -4.80957031e-02,  2.24609375e-01,  5.37109375e-02,
         2.75878906e-02,  8.49609375e-02,  8.30078125e-02, -8.30078125e-02,
         5.54199219e-02, -1.84570312e-01, -2.55859375e-01, -2.35351562e-01,
         4.57763672e-03, -1.39648438e-01,  1.25976562e-01,  5.32226562e-02,
         7.91015625e-02, -4.10156250e-02,  7.37304688e-02,  2.32421875e-01,
         2.31933594e-02,  3.88183594e-02,  4.51660156e-03,  1.53320312e-01,
         9.91210938e-02,  2.11914062e-01, -1.02539062e-01, -6.68945312e-02,
        -1.38671875e-01,  1.05285645e-03,  1.92382812e-01, -2.77343750e-01,
```

```
        -7.32421875e-02,  9.03320312e-02, -1.30859375e-01,  3.80859375e-02,
        -4.00390625e-02, -2.73437500e-02, -2.61718750e-01,  1.27929688e-01,
         1.61132812e-02,  6.39648438e-02, -3.01513672e-02, -1.48437500e-01,
        -9.52148438e-02, -9.22851562e-02, -1.83593750e-01,  1.12915039e-02,
        -1.02539062e-02, -1.67968750e-01,  1.54296875e-01,  2.05078125e-02,
        -1.66992188e-01,  1.68945312e-01,  2.61718750e-01, -4.73632812e-02,
         4.63867188e-02, -1.49414062e-01,  1.77734375e-01,  1.13281250e-01,
        -4.54101562e-02, -1.69921875e-01, -7.37304688e-02,  1.49414062e-01,
         9.57031250e-02,  4.27246094e-02,  3.06640625e-01, -6.59179688e-02,
         1.25000000e-01, -3.90625000e-02,  7.42187500e-02, -3.44238281e-02,
         2.57812500e-01, -2.09960938e-01,  7.32421875e-02, -1.31835938e-01,
         1.19628906e-01, -1.68945312e-01,  1.61132812e-01,  3.00781250e-01,
         3.03955078e-02,  1.95312500e-02,  3.41796875e-02, -5.22460938e-02,
         2.65625000e-01,  3.58886719e-02,  3.90625000e-02, -7.03125000e-02,
        -1.63085938e-01, -9.42382812e-02, -1.87500000e-01,  3.08593750e-01,
         1.63085938e-01,  8.34960938e-02, -3.96484375e-01, -3.63281250e-01,
         1.09863281e-01,  1.57470703e-02,  2.55859375e-01, -1.27929688e-01,
        -1.05468750e-01,  6.20117188e-02, -3.88183594e-02, -3.75000000e-01,
        -9.13085938e-02, -2.47802734e-02,  5.02929688e-02,  3.90625000e-03,
        -5.07812500e-02,  2.73437500e-01,  1.85546875e-01,  3.41796875e-02,
        -1.49414062e-01,  4.76074219e-02,  2.17773438e-01, -2.08984375e-01,
         1.20605469e-01,  1.76429749e-04, -8.05664062e-02, -1.03515625e-01,
         8.34960938e-02, -3.90625000e-02,  1.54296875e-01,  1.45507812e-01,
        -1.27929688e-01,  5.07812500e-02,  5.27343750e-02,  4.39453125e-02,
         7.81250000e-02, -1.58203125e-01, -6.00585938e-02, -1.13769531e-01,
        -5.34667969e-02,  2.55859375e-01, -1.07910156e-01, -2.92968750e-01,
         2.23632812e-01, -2.51953125e-01, -1.44653320e-02, -3.12500000e-01,
        -1.02050781e-01,  9.03320312e-02, -3.41796875e-01,  1.94335938e-01,
         1.27929688e-01,  5.68847656e-02, -7.61718750e-02, -8.25195312e-02,
        -1.28906250e-01, -2.39257812e-01, -3.12500000e-02,  2.81250000e-01,
        -3.02734375e-02,  1.45507812e-01,  2.45117188e-01, -2.99072266e-02,
         1.45507812e-01, -4.19921875e-02, -8.78906250e-02,  9.52148438e-02,
        -3.17382812e-02, -1.84570312e-01,  2.29492188e-01, -2.12890625e-01,
        -2.99072266e-02, -6.71386719e-03,  1.45507812e-01,  1.64062500e-01,
         7.56835938e-02,  2.92968750e-01,  3.44238281e-02,  1.96289062e-01,
         2.00195312e-01,  3.04687500e-01,  1.75781250e-02, -1.09863281e-01,
         3.95507812e-02,  1.31835938e-01,  3.63159180e-03, -1.20239258e-02,
         1.13525391e-02, -1.41601562e-01, -1.46484375e-01, -7.86132812e-02,
        -1.17797852e-02,  1.71875000e-01, -7.81250000e-02, -4.98046875e-02,
         3.35937500e-01,  2.55859375e-01, -2.23632812e-01, -1.23046875e-01,
        -1.17675781e-01, -4.54101562e-02, -1.95312500e-01, -8.34960938e-02,
         2.39257812e-01,  2.52685547e-02, -6.54296875e-02,  3.76953125e-0
1],
       dtype=float32),
 'developing': array([-1.61132812e-01,  1.12792969e-01,  6.39648438e-02,
9.76562500e-02,
        -1.84570312e-01,  2.11914062e-01,  3.06396484e-02, -1.61132812e-01,
        -8.93554688e-02,  8.83789062e-02, -4.76074219e-02, -3.58886719e-02,
         6.44531250e-02, -8.30078125e-02, -2.48046875e-01, -3.33984375e-01,
        -3.33984375e-01,  2.31445312e-01, -9.52148438e-02,  1.66992188e-01,
        -1.61132812e-01, -5.44433594e-02, -6.20117188e-02, -6.10351562e-02,
         8.44726562e-02,  2.94189453e-02, -3.22265625e-02, -1.56250000e-02,
        -1.97265625e-01,  9.58251953e-03, -2.77343750e-01, -1.54296875e-01,
         4.29687500e-02, -1.52343750e-01,  5.83496094e-02,  9.27734375e-02,
         3.54003906e-02, -7.42187500e-02,  5.24902344e-02,  1.05468750e-01,
         1.82617188e-01,  2.63671875e-01, -7.03125000e-02,  2.62451172e-02,
        -6.73828125e-02, -1.15234375e-01, -1.04003906e-01,  6.34765625e-02,
        -2.46582031e-02,  7.71484375e-02,  1.46484375e-01, -3.31878662e-04,
        -2.52685547e-02, -3.10546875e-01,  1.82617188e-01,  2.25585938e-01,
        -7.91015625e-02, -2.87109375e-01,  1.52343750e-01,  1.19628906e-02,
         5.95703125e-02,  1.27929688e-01, -2.97851562e-02, -3.83300781e-02,
        -5.76171875e-02,  1.35742188e-01, -7.47070312e-02,  2.84423828e-02,
         8.00781250e-02, -4.07714844e-02, -8.78906250e-02, -5.83496094e-02,
         1.22070312e-01,  3.07617188e-02, -6.93359375e-02, -1.27929688e-01,
```

```
         9.17968750e-02,  2.92968750e-02, -2.14843750e-02,  4.41406250e-01,
         1.47460938e-01, -1.53320312e-01, -1.17675781e-01,  9.27734375e-02,
         4.51660156e-02, -1.69921875e-01, -1.41601562e-01, -3.23486328e-03,
         6.83593750e-02,  7.37304688e-02,  8.83789062e-02, -2.02148438e-01,
        -7.37304688e-02,  4.71191406e-02, -3.78417969e-02, -1.18652344e-01,
         6.59179688e-02, -1.49414062e-01,  1.00585938e-01,  5.90820312e-02,
        -1.02539062e-01, -1.59179688e-01,  7.08007812e-02,  1.73339844e-02,
         5.88378906e-02, -1.12304688e-02, -1.05957031e-01, -8.30078125e-02,
         1.73828125e-01, -3.56445312e-02, -1.44531250e-01,  1.35742188e-01,
        -1.52343750e-01,  5.22460938e-02,  6.98242188e-02,  1.21582031e-01,
        -1.36718750e-01, -8.54492188e-02,  2.30468750e-01, -1.57226562e-01,
        -7.03125000e-02, -2.42187500e-01, -1.14746094e-01,  1.96289062e-01,
        -2.22656250e-01, -8.10546875e-02, -1.13769531e-01,  2.54821777e-03,
        -1.27929688e-01,  1.52343750e-01,  6.98242188e-02, -7.20214844e-03,
        -1.36718750e-01, -5.24902344e-02, -1.28906250e-01,  1.34765625e-01,
         5.32226562e-02, -7.32421875e-02, -4.46777344e-02,  7.76367188e-02,
        -1.73339844e-02,  2.05078125e-02, -1.43554688e-01,  7.59887695e-03,
         1.48437500e-01, -1.05957031e-01,  3.46679688e-02, -2.42187500e-01,
         6.78710938e-02, -8.93554688e-02,  9.52148438e-02, -1.38671875e-01,
         7.22656250e-02, -8.44726562e-02,  4.02832031e-02,  1.25976562e-01,
        -2.09960938e-02,  2.72216797e-02,  1.39160156e-02, -6.22558594e-02,
         1.20605469e-01,  3.14941406e-02, -8.05664062e-02,  5.29785156e-02,
        -7.22656250e-02,  1.15234375e-01,  1.10351562e-01, -1.15234375e-01,
        -7.42187500e-02, -2.87109375e-01,  1.12304688e-01, -2.19726562e-02,
        -1.02050781e-01,  3.24707031e-02,  1.52343750e-01, -1.54296875e-01,
         6.78710938e-02, -3.59375000e-01, -3.12500000e-01,  1.79687500e-01,
         2.48046875e-01, -2.08984375e-01,  1.25000000e-01, -4.73632812e-02,
        -5.71289062e-02,  2.97851562e-02, -1.20605469e-01, -1.10351562e-01,
        -2.97851562e-02, -1.03027344e-01, -2.15820312e-01,  1.50390625e-01,
         5.51757812e-02, -2.31445312e-01, -1.30859375e-01,  6.44531250e-02,
         5.21850586e-03, -1.08886719e-01,  2.65625000e-01, -3.22265625e-01,
         3.12500000e-02, -6.34765625e-02,  4.49218750e-02, -4.44335938e-02,
        -1.98242188e-01, -2.75878906e-02, -8.85009766e-03, -3.30078125e-01,
        -5.44433594e-02, -6.59179688e-02,  8.20312500e-02, -9.13085938e-02,
        -3.64303589e-04,  1.30859375e-01,  9.86328125e-02, -7.03125000e-02,
         1.15722656e-01, -1.13281250e-01,  3.61328125e-02,  6.00585938e-02,
         8.25195312e-02, -3.71093750e-02,  5.63964844e-02,  2.53906250e-01,
         2.79541016e-02, -5.51757812e-02, -4.02832031e-02, -1.85546875e-01,
        -1.73828125e-01,  1.94091797e-02, -9.32617188e-02, -2.16064453e-02,
         1.01562500e-01, -3.06396484e-02,  1.03027344e-01, -1.91406250e-01,
        -1.79687500e-01, -7.71484375e-02,  1.59912109e-02, -1.74804688e-01,
        -6.29882812e-02,  3.55529785e-03, -8.25195312e-02, -1.03515625e-01,
         1.49414062e-01, -1.08398438e-01,  5.39550781e-02, -1.02539062e-01,
        -5.54199219e-02, -1.21582031e-01, -1.23291016e-02,  1.18652344e-01,
        -3.63769531e-02,  5.00488281e-02, -3.75976562e-02, -1.34277344e-02,
         1.31835938e-01, -8.20312500e-02, -3.24218750e-01,  6.49414062e-02,
        -1.43554688e-01, -1.70898438e-01,  2.23632812e-01,  1.25976562e-01,
         1.13281250e-01,  4.10156250e-02, -1.81640625e-01, -1.28906250e-01,
        -2.38281250e-01, -4.85839844e-02, -1.05468750e-01,  1.07910156e-01,
        -5.66406250e-02, -1.75781250e-01, -3.83300781e-02,  3.95507812e-02,
        -1.38671875e-01, -6.46972656e-03, -7.81250000e-02, -1.32812500e-01,
         4.24804688e-02, -6.05468750e-02, -9.13085938e-02,  6.98242188e-02,
        -6.34765625e-02,  2.73437500e-01,  2.08740234e-02,  3.80859375e-02,
         1.95312500e-01, -5.37109375e-02, -1.27929688e-01,  5.93261719e-02,
        -1.88476562e-01, -6.29882812e-02, -1.08886719e-01,  1.56250000e-01,
         1.05957031e-01,  3.71093750e-02,  1.41601562e-01,  2.07031250e-0
1],
       dtype=float32),
 'implementing': array([-0.17578125,  0.17773438, -0.00314331,  0.14160156,
0.09960938,
        -0.01031494, -0.04199219,  0.03393555,  0.01013184,  0.17285156,
         0.01623535, -0.06176758, -0.13085938, -0.04125977, -0.2109375 ,
        -0.18261719, -0.10107422, -0.15039062, -0.17089844,  0.0625    ,
        -0.11523438,  0.14550781,  0.07421875,  0.04711914,  0.1953125 ,
```

```
         0.08984375, -0.04882812, -0.265625  , -0.13769531, -0.01806641,
        -0.14941406, -0.20898438, -0.0213623 , -0.01092529, -0.03149414,
        -0.12353516,  0.21191406, -0.10595703,  0.24511719, -0.04199219,
         0.05078125,  0.06298828,  0.1640625 ,  0.05517578, -0.06689453,
        -0.37304688, -0.18261719, -0.12988281, -0.13867188,  0.04418945,
         0.04663086, -0.05395508, -0.10498047, -0.20410156,  0.09423828,
         0.20703125, -0.1171875 , -0.16796875,  0.10839844, -0.00793457,
        -0.20507812,  0.15527344,  0.04003906, -0.04858398,  0.08837891,
         0.21777344, -0.16601562,  0.22363281,  0.08642578,  0.06225586,
        -0.16796875,  0.17871094,  0.08691406,  0.03955078,  0.13574219,
        -0.36523438,  0.24609375, -0.10498047,  0.0291748 ,  0.27734375,
         0.01373291,  0.08691406, -0.07519531, -0.01470947,  0.20019531,
        -0.15234375, -0.0534668 , -0.10253906,  0.12890625,  0.02893066,
         0.08789062, -0.32617188,  0.09667969, -0.03320312, -0.01348877,
         0.02197266, -0.14160156, -0.14160156,  0.02832031,  0.28710938,
         0.03540039, -0.1171875 ,  0.13769531,  0.07910156, -0.07519531,
        -0.03125   ,  0.04589844, -0.04516602,  0.12353516, -0.23925781,
        -0.08642578, -0.06005859, -0.28515625, -0.01757812,  0.18359375,
         0.25195312, -0.05541992, -0.09228516,  0.21972656, -0.13964844,
        -0.06347656,  0.13574219, -0.109375  ,  0.17578125, -0.00671387,
        -0.03735352, -0.078125  ,  0.03833008, -0.23828125,  0.19335938,
        -0.07763672, -0.04443359, -0.08935547, -0.18945312, -0.20410156,
         0.12597656, -0.03173828, -0.00386047, -0.01745605,  0.27148438,
        -0.04980469,  0.08691406, -0.28125   ,  0.10791016, -0.04394531,
         0.00741577, -0.14257812, -0.21289062,  0.0378418 ,  0.03149414,
         0.13964844,  0.02734375,  0.05273438,  0.04541016,  0.21972656,
        -0.06030273, -0.04003906,  0.10546875, -0.12060547,  0.13183594,
         0.16503906,  0.01367188, -0.0859375 , -0.19726562, -0.38671875,
         0.19042969,  0.02758789, -0.08056641,  0.09033203, -0.17382812,
         0.0625    , -0.09912109, -0.00393677, -0.00071335,  0.13964844,
        -0.06298828,  0.28515625,  0.00592041, -0.21484375,  0.046875  ,
        -0.15625   , -0.15917969,  0.19921875, -0.03979492,  0.03125   ,
         0.01495361, -0.40625   , -0.04321289, -0.16601562,  0.05224609,
        -0.30859375,  0.171875  , -0.00457764, -0.11669922, -0.20507812,
         0.09716797,  0.05908203, -0.06298828,  0.38867188, -0.265625  ,
        -0.11621094, -0.00958252,  0.1953125 , -0.11914062, -0.06054688,
         0.02197266, -0.10742188, -0.02722168,  0.10351562,  0.13085938,
         0.26367188,  0.17480469,  0.17480469,  0.1875    , -0.10595703,
         0.21679688,  0.16113281, -0.09960938,  0.0015564 ,  0.20117188,
        -0.06835938, -0.00933838,  0.11865234,  0.30273438, -0.01977539,
        -0.11669922,  0.18457031, -0.06005859, -0.10498047, -0.09765625,
        -0.12695312,  0.01489258, -0.10546875,  0.11035156,  0.02111816,
        -0.1875    ,  0.03198242,  0.00124359,  0.06445312, -0.16015625,
        -0.27734375,  0.10302734, -0.11083984, -0.05615234,  0.04760742,
        -0.3984375 , -0.25976562,  0.0088501 ,  0.03393555, -0.03613281,
        -0.13085938,  0.34375   , -0.19921875,  0.05493164, -0.03442383,
        -0.12353516,  0.12792969,  0.05175781, -0.0324707 ,  0.03881836,
        -0.00976562,  0.02282715,  0.25976562, -0.04711914,  0.00436401,
        -0.1328125 , -0.04394531, -0.04907227, -0.328125  ,  0.11328125,
         0.16894531, -0.05981445, -0.07714844,  0.10595703, -0.16113281,
         0.10302734, -0.0625    ,  0.17578125, -0.01495361, -0.20117188,
        -0.109375  , -0.04467773,  0.04614258,  0.08691406,  0.01544189,
         0.03442383, -0.13085938, -0.11621094,  0.26757812,  0.01550293,
        -0.45703125, -0.02587891,  0.10253906,  0.0559082 , -0.04785156,
         0.265625  ,  0.13964844,  0.22949219,  0.01757812,  0.27929688],
       dtype=float32),
 'program': array([-0.08349609,  0.09619141,  0.20214844,  0.1328125 ,  0.1
9238281,
        -0.00946045,  0.14746094,  0.08203125, -0.18261719, -0.09960938,
        -0.05102539, -0.10644531,  0.140625  , -0.06396484, -0.22460938,
         0.21289062,  0.02636719, -0.11816406,  0.08496094, -0.11376953,
         0.13867188,  0.25390625, -0.05517578,  0.15917969, -0.09863281,
        -0.07763672, -0.23828125,  0.15332031, -0.05517578, -0.03564453,
        -0.21582031, -0.26757812, -0.04174805, -0.15136719,  0.2890625 ,
```

```
        -0.02587891, -0.04101562, -0.2890625 ,  0.21386719,  0.00176239,
        -0.08886719,  0.0135498 ,  0.05737305,  0.07226562, -0.05004883,
        -0.16113281, -0.03100586, -0.02392578, -0.11425781,  0.12304688,
        -0.08349609, -0.15527344, -0.01141357,  0.06982422,  0.24023438,
        -0.15429688, -0.13964844, -0.03344727, -0.0144043 , -0.12451172,
        -0.00193024, -0.00601196, -0.07275391,  0.0078125 ,  0.09521484,
        -0.02075195,  0.05712891, -0.06030273,  0.06494141, -0.05737305,
        -0.20996094, -0.07910156, -0.07275391,  0.07568359,  0.20800781,
        -0.01782227,  0.17089844,  0.20410156,  0.00231934,  0.21582031,
         0.16699219, -0.07617188, -0.06054688, -0.08935547, -0.03588867,
        -0.00653076, -0.1640625 ,  0.14746094,  0.27734375, -0.03051758,
        -0.171875  , -0.0168457 ,  0.02319336, -0.19335938,  0.10253906,
         0.15234375,  0.01025391, -0.03417969, -0.0090332 ,  0.0135498 ,
         0.09619141,  0.03417969, -0.26757812, -0.00579834, -0.18847656,
         0.03344727, -0.15332031, -0.265625  ,  0.10742188, -0.046875  ,
        -0.02099609,  0.08691406,  0.0144043 ,  0.10205078,  0.08691406,
         0.25585938, -0.06640625, -0.09765625,  0.14355469, -0.08837891,
        -0.11523438,  0.04492188,  0.11083984,  0.34179688,  0.06835938,
         0.03759766, -0.05297852,  0.01293945,  0.02734375,  0.09863281,
         0.13964844, -0.14355469,  0.00509644, -0.25976562,  0.03881836,
        -0.02648926,  0.1953125 ,  0.05517578, -0.0612793 ,  0.20214844,
        -0.16992188, -0.03271484, -0.01361084, -0.12792969,  0.17773438,
        -0.08740234,  0.11230469,  0.0612793 , -0.2109375 , -0.04956055,
         0.21582031, -0.04492188,  0.04077148,  0.09326172,  0.05444336,
        -0.15429688, -0.00335693,  0.09521484,  0.03173828,  0.01696777,
         0.13964844,  0.32226562,  0.04760742,  0.03125   , -0.00045204,
         0.00072479,  0.22070312, -0.04248047,  0.19824219, -0.00698853,
        -0.07568359, -0.03613281, -0.08056641, -0.16015625,  0.25976562,
        -0.03076172,  0.08300781, -0.01153564, -0.09130859,  0.08349609,
        -0.16210938, -0.22460938,  0.01159668,  0.04125977, -0.13378906,
         0.04345703, -0.04199219, -0.03515625, -0.00872803, -0.02233887,
        -0.13769531, -0.21777344,  0.2109375 , -0.12207031, -0.39648438,
        -0.0625    ,  0.03955078,  0.02575684,  0.00854492,  0.03271484,
        -0.08496094, -0.06079102,  0.01647949,  0.10693359,  0.03393555,
        -0.0112915 ,  0.01757812,  0.20898438,  0.01721191,  0.11230469,
        -0.08837891,  0.03930664, -0.18554688,  0.22265625,  0.16601562,
         0.2265625 ,  0.14941406,  0.0222168 , -0.3046875 , -0.07226562,
        -0.06079102, -0.03759766,  0.07861328,  0.35546875, -0.0032959 ,
        -0.06591797,  0.05957031, -0.02270508,  0.02636719, -0.140625  ,
         0.08203125,  0.01550293,  0.14648438, -0.04907227, -0.04956055,
         0.07324219,  0.02624512,  0.13085938,  0.01080322, -0.08447266,
        -0.03222656, -0.00097656, -0.02868652, -0.01409912, -0.15136719,
        -0.14550781,  0.02404785, -0.171875  ,  0.00994873, -0.05053711,
        -0.02563477, -0.15136719, -0.16308594, -0.13964844, -0.0168457 ,
         0.1015625 ,  0.0145874 ,  0.04736328, -0.18164062, -0.01159668,
         0.12695312,  0.05834961, -0.08789062,  0.07958984, -0.14648438,
         0.17675781, -0.0625    ,  0.06347656, -0.296875  ,  0.20507812,
         0.01275635, -0.16015625, -0.01171875,  0.19628906, -0.16894531,
        -0.29101562,  0.10644531, -0.09765625, -0.02856445, -0.11376953,
        -0.19433594,  0.10400391,  0.22949219,  0.19042969, -0.00136566,
        -0.15722656,  0.0201416 ,  0.04785156,  0.2265625 , -0.13964844,
        -0.21386719,  0.15332031, -0.0062561 , -0.07324219, -0.01464844,
        -0.12890625, -0.02429199, -0.01513672, -0.10205078, -0.07324219],
       dtype=float32),
 'educational': array([-0.22851562, -0.03930664, -0.04394531,  0.18847656,
0.21679688,
         0.07666016,  0.20800781,  0.09960938, -0.10253906, -0.22070312,
        -0.02124023,  0.11328125, -0.07324219,  0.22070312,  0.01379395,
         0.07226562, -0.13671875,  0.30078125,  0.13574219,  0.01000977,
         0.22460938,  0.1484375 ,  0.078125  ,  0.34179688, -0.17578125,
        -0.18066406, -0.10302734,  0.203125  , -0.17773438, -0.22265625,
        -0.140625  , -0.22460938, -0.33398438,  0.10449219, -0.0480957 ,
        -0.07617188,  0.01611328, -0.01708984,  0.10253906, -0.27148438,
        -0.10253906,  0.34765625,  0.02966309,  0.02294922, -0.22949219,
```

```
        -0.15332031,  0.05957031,  0.18652344, -0.16796875,  0.0456543 ,
        -0.01501465,  0.07226562,  0.06494141,  0.18554688,  0.10595703,
         0.17773438, -0.11962891, -0.3046875 ,  0.203125  , -0.08300781,
        -0.02050781, -0.06079102,  0.25195312, -0.20898438, -0.04638672,
        -0.06689453, -0.06225586,  0.16503906,  0.17382812, -0.09375   ,
        -0.18164062,  0.15820312,  0.00909424, -0.03320312,  0.11474609,
         0.09619141,  0.1328125 ,  0.08935547,  0.12792969,  0.01708984,
         0.05371094, -0.1484375 , -0.19433594, -0.01501465, -0.07470703,
        -0.05151367, -0.12011719,  0.0135498 , -0.05834961,  0.03955078,
         0.16503906, -0.23828125, -0.03540039, -0.15429688,  0.22558594,
        -0.07568359,  0.30273438,  0.16601562,  0.03637695,  0.03857422,
         0.06884766,  0.08740234, -0.2421875 ,  0.12890625, -0.06591797,
        -0.04663086,  0.17871094,  0.05126953,  0.12988281, -0.40625   ,
        -0.22753906,  0.13378906, -0.16992188, -0.01104736, -0.04833984,
        -0.140625  ,  0.20605469, -0.09130859,  0.23925781,  0.01611328,
         0.03540039,  0.05517578,  0.10009766,  0.13769531, -0.17089844,
        -0.01782227, -0.30859375,  0.04931641, -0.07617188,  0.20605469,
         0.10400391, -0.08496094, -0.11474609, -0.0324707 , -0.0456543 ,
         0.03930664, -0.0072937 , -0.21582031, -0.06591797,  0.09423828,
        -0.11328125,  0.03491211, -0.02319336, -0.04833984, -0.05981445,
        -0.08349609,  0.20019531,  0.09863281, -0.09228516, -0.00698853,
         0.03344727, -0.09228516, -0.31835938,  0.09619141, -0.14453125,
        -0.27148438, -0.0859375 , -0.40429688, -0.12597656, -0.1953125 ,
        -0.06689453, -0.03039551, -0.06445312,  0.42382812,  0.29882812,
         0.1171875 ,  0.20410156, -0.17089844,  0.09765625, -0.0324707 ,
         0.01782227,  0.07910156, -0.00069427, -0.16308594,  0.21484375,
         0.05126953,  0.07470703, -0.0039978 , -0.07177734,  0.16113281,
        -0.24609375, -0.3828125 ,  0.02087402, -0.05541992,  0.10644531,
         0.14941406, -0.11474609, -0.16796875,  0.15332031,  0.04052734,
        -0.125     , -0.21582031,  0.04663086,  0.10009766, -0.22949219,
        -0.17285156, -0.00063705, -0.16699219,  0.109375  , -0.24511719,
        -0.22949219, -0.015625  ,  0.04541016, -0.29492188, -0.02868652,
        -0.20410156, -0.02868652, -0.14746094, -0.18457031,  0.12597656,
         0.11132812, -0.00650024,  0.03112793, -0.00964355,  0.25390625,
         0.22167969,  0.26171875,  0.19238281, -0.08203125, -0.12353516,
        -0.03222656, -0.0032959 ,  0.19140625, -0.04077148,  0.03515625,
        -0.01495361,  0.07617188, -0.13378906, -0.02978516, -0.03295898,
        -0.10791016, -0.0402832 , -0.03686523, -0.16796875, -0.03393555,
        -0.00561523,  0.23535156,  0.07421875,  0.13476562,  0.11425781,
         0.00939941, -0.09179688,  0.19628906, -0.09130859, -0.22460938,
        -0.09423828, -0.08984375, -0.07763672, -0.18457031, -0.1796875 ,
         0.03540039,  0.06396484,  0.03735352,  0.03588867,  0.02746582,
        -0.23632812, -0.109375  , -0.18945312, -0.07519531,  0.15917969,
        -0.09228516,  0.04711914,  0.00424194,  0.0625    , -0.01586914,
         0.08398438,  0.01599121, -0.05932617, -0.29296875,  0.15039062,
        -0.08300781, -0.07714844, -0.03930664,  0.01190186, -0.00521851,
        -0.14550781,  0.0612793 , -0.3125    , -0.08349609, -0.12451172,
        -0.15527344, -0.02819824,  0.01556396,  0.03491211, -0.26171875,
         0.11767578, -0.13574219, -0.06835938,  0.26757812, -0.09179688,
        -0.23925781, -0.16796875, -0.21875   ,  0.05908203, -0.07714844,
         0.140625  ,  0.00476074, -0.01385498,  0.17578125, -0.00897217],
       dtype=float32),
 'physical': array([-6.64062500e-02,  1.07421875e-01, -1.99218750e-01,  1.6
6320801e-03,
        -7.27539062e-02,  3.26171875e-01,  1.96289062e-01,  1.18652344e-01,
         9.76562500e-02, -1.69677734e-02,  5.22460938e-02, -1.07910156e-01,
        -1.12792969e-01,  1.06445312e-01,  2.75390625e-01,  5.66406250e-02,
        -8.42285156e-03,  7.91015625e-02,  2.16064453e-02, -1.89453125e-01,
        -1.25976562e-01, -1.62109375e-01, -2.30468750e-01,  2.16796875e-01,
        -3.68118286e-04, -1.74804688e-01, -1.45507812e-01, -7.22656250e-02,
        -9.52148438e-02, -1.21093750e-01,  4.68750000e-02,  1.68457031e-02,
         5.37109375e-02, -3.69140625e-01, -2.41210938e-01, -1.42578125e-01,
        -4.85839844e-02, -1.12915039e-02,  1.61132812e-01,  1.39648438e-01,
        -8.15429688e-02, -4.66918945e-03,  2.03125000e-01,  1.04003906e-01,
```

```
 4.17480469e-02, -3.52478027e-03,  1.14257812e-01,  1.85546875e-01,
-1.25976562e-01,  3.93066406e-02,  2.00195312e-01,  9.91210938e-02,
-4.06250000e-01,  3.93066406e-02,  1.74804688e-01,  1.93359375e-01,
-6.68945312e-02, -2.18750000e-01, -7.32421875e-02, -6.93359375e-02,
-1.77764893e-03, -2.70996094e-02,  2.53906250e-01, -5.37109375e-02,
 3.49121094e-02,  2.75390625e-01, -2.23388672e-02,  2.05078125e-01,
-1.48315430e-02,  1.35498047e-02, -2.17285156e-02, -4.58984375e-02,
-3.78417969e-02,  1.99218750e-01, -1.38671875e-01, -5.37109375e-02,
 8.05664062e-02,  6.03027344e-02, -6.78710938e-02, -3.75976562e-02,
 3.97949219e-02,  3.56445312e-02, -1.23046875e-01,  7.56835938e-02,
 7.76367188e-02, -3.26171875e-01, -9.76562500e-02,  3.39843750e-01,
 2.45666504e-03, -1.79687500e-01, -3.25012207e-03, -1.11328125e-01,
-2.22656250e-01, -5.32226562e-02,  3.16406250e-01, -1.28906250e-01,
 5.12695312e-02,  2.43164062e-01, -1.24023438e-01, -5.98144531e-02,
 6.05468750e-02,  3.56445312e-02, -1.25976562e-01,  9.52148438e-02,
 1.70898438e-01, -3.32031250e-01,  2.16796875e-01, -1.13769531e-01,
-1.18652344e-01,  6.83593750e-02, -5.56640625e-02,  1.31835938e-01,
 4.57763672e-03, -3.17382812e-02,  4.00390625e-02,  2.06054688e-01,
 1.00708008e-02,  2.24609375e-02,  9.13085938e-02, -4.05273438e-02,
-3.69140625e-01,  1.09863281e-01, -1.25000000e-01,  1.30859375e-01,
-3.04687500e-01, -2.68554688e-02, -7.17773438e-02,  2.55859375e-01,
 5.63964844e-02,  1.94335938e-01,  2.85644531e-02, -2.00195312e-02,
-3.61328125e-01, -1.26953125e-01,  2.39562988e-03, -1.63085938e-01,
 2.07031250e-01,  5.22460938e-02, -2.50000000e-01,  1.16210938e-01,
 2.06298828e-02,  8.25195312e-02,  8.20312500e-02, -2.16064453e-02,
-1.49414062e-01,  5.34667969e-02,  1.19140625e-01,  2.50000000e-01,
-1.63085938e-01,  6.93359375e-02,  2.94921875e-01,  1.26953125e-01,
-1.58203125e-01,  3.04687500e-01, -1.55273438e-01,  1.21582031e-01,
 4.02832031e-02, -2.91015625e-01,  2.77343750e-01,  4.41894531e-02,
 7.27539062e-02,  6.22558594e-02, -8.93554688e-02,  2.53906250e-02,
 4.91333008e-03, -1.64794922e-02, -1.47460938e-01, -2.13867188e-01,
-1.35742188e-01,  2.47802734e-02, -1.25000000e-01, -1.19140625e-01,
 5.12695312e-02, -1.19628906e-02,  5.39550781e-02,  4.80957031e-02,
-1.01074219e-01, -1.09375000e-01,  3.80859375e-02,  4.95605469e-02,
 9.47265625e-02,  1.61132812e-02, -9.46044922e-03,  1.56250000e-01,
 4.18090820e-03, -7.66601562e-02, -6.34765625e-02, -1.35742188e-01,
 1.25976562e-01,  6.22558594e-02, -2.88085938e-02, -8.83789062e-02,
-1.48437500e-01, -4.54101562e-02,  1.28784180e-02, -1.66015625e-01,
 1.12792969e-01, -1.19140625e-01, -1.97265625e-01, -1.83593750e-01,
-7.95898438e-02,  1.96289062e-01, -5.63964844e-02,  5.21850586e-03,
 3.59375000e-01,  1.89453125e-01, -3.32031250e-02, -8.93554688e-02,
 1.34765625e-01, -1.02539062e-01, -1.50390625e-01,  1.05957031e-01,
-2.45117188e-01,  1.44653320e-02, -3.66210938e-02, -1.70898438e-01,
 1.99218750e-01,  2.42187500e-01, -3.53515625e-01, -1.62109375e-01,
 1.58203125e-01, -1.21093750e-01,  1.01562500e-01, -4.06250000e-01,
-5.46875000e-02, -5.76019287e-04,  1.98242188e-01, -7.17773438e-02,
 1.08886719e-01,  1.13769531e-01,  3.90625000e-02,  1.88476562e-01,
 4.88281250e-02,  6.73828125e-02,  9.37500000e-02, -2.95410156e-02,
-1.73828125e-01, -8.54492188e-02, -4.42504883e-03, -1.80664062e-01,
 9.57031250e-02, -1.47705078e-02, -1.34765625e-01, -3.43750000e-01,
 1.12304688e-01,  1.04003906e-01, -1.51367188e-01,  9.96093750e-02,
 5.41992188e-02, -1.49414062e-01,  1.20605469e-01,  9.42382812e-02,
 7.56835938e-02,  1.15722656e-01, -8.00781250e-02, -1.80664062e-01,
-2.38281250e-01,  3.46679688e-02, -1.14440918e-03,  2.50000000e-01,
 4.39453125e-02,  5.27954102e-03, -2.53906250e-01, -7.47070312e-02,
 2.48046875e-01,  6.54296875e-02, -5.20019531e-02,  6.78710938e-02,
-1.59912109e-02,  7.08007812e-02, -9.37500000e-02,  2.44140625e-01,
 5.78613281e-02, -6.54296875e-02,  5.22460938e-02,  3.71093750e-02,
-9.66796875e-02, -3.16406250e-01, -4.12109375e-01,  1.16699219e-01,
-1.25000000e-01,  3.19824219e-02,  1.74804688e-01, -2.21679688e-01,
-9.46044922e-03, -8.30078125e-02, -2.24609375e-01, -7.08007812e-02,
 2.94921875e-01,  1.73828125e-01, -1.89453125e-01,  1.86523438e-01,
 3.85742188e-02, -4.29687500e-02, -2.41699219e-02,  1.87500000e-01,
-1.13525391e-02, -8.83789062e-02,  7.23266602e-03,  2.16674805e-0
```

```
3],
       dtype=float32),
 'demands': array([-0.13964844,  0.27734375, -0.06982422,  0.20507812, -0.0
8886719,
        -0.12353516, -0.03710938, -0.18457031, -0.11376953,  0.1953125 ,
        -0.35546875, -0.09375   , -0.11523438, -0.13867188, -0.13085938,
         0.40625   , -0.12695312,  0.04516602,  0.16015625,  0.00218201,
         0.03564453, -0.2578125 ,  0.02832031,  0.34765625, -0.02062988,
        -0.17773438,  0.04345703, -0.02844238,  0.09570312, -0.02587891,
         0.22265625,  0.00279236, -0.0703125 ,  0.23046875, -0.0546875 ,
        -0.09960938,  0.18554688,  0.359375  ,  0.07666016, -0.06298828,
         0.03979492,  0.16992188, -0.08007812, -0.19628906, -0.12304688,
        -0.28125   , -0.20019531,  0.18652344, -0.12988281, -0.00646973,
        -0.20410156, -0.25976562, -0.3125    ,  0.21972656,  0.07568359,
         0.22558594, -0.13574219,  0.03125   ,  0.06445312, -0.15136719,
        -0.03393555,  0.20507812, -0.16015625, -0.00219727,  0.27148438,
        -0.09912109,  0.09960938,  0.12695312, -0.12988281,  0.00994873,
        -0.04443359,  0.04003906, -0.01953125,  0.12792969, -0.04077148,
         0.04614258,  0.12988281,  0.16894531,  0.06347656,  0.09912109,
         0.23144531,  0.51953125, -0.03857422,  0.07958984, -0.00543213,
        -0.12988281, -0.2265625 , -0.16308594,  0.10644531,  0.07324219,
         0.23046875, -0.24121094, -0.15625   , -0.18457031, -0.23828125,
        -0.15527344,  0.0246582 , -0.32617188, -0.07666016, -0.17675781,
        -0.28320312, -0.08105469, -0.17382812,  0.05859375, -0.07177734,
        -0.02172852,  0.1328125 , -0.12451172, -0.02929688,  0.14550781,
         0.08984375, -0.390625  , -0.09667969,  0.21386719, -0.05761719,
        -0.02185059, -0.05249023,  0.13964844,  0.1484375 ,  0.31445312,
        -0.16308594,  0.140625  ,  0.08837891, -0.02392578, -0.0043335 ,
        -0.00061798, -0.05102539, -0.07421875,  0.09472656,  0.04516602,
         0.07275391,  0.21289062,  0.04541016, -0.28515625, -0.11767578,
         0.2421875 ,  0.0177002 ,  0.07226562, -0.328125  , -0.25390625,
        -0.05517578,  0.09179688,  0.00331116, -0.0546875 ,  0.08300781,
        -0.11132812,  0.03344727,  0.08154297,  0.13574219, -0.07568359,
        -0.05664062,  0.34179688,  0.12109375, -0.18164062, -0.17089844,
         0.03039551, -0.07177734,  0.00271606, -0.04248047, -0.22167969,
         0.05249023, -0.12255859, -0.07421875, -0.02038574, -0.34570312,
        -0.08691406, -0.00964355, -0.12792969, -0.1328125 ,  0.05102539,
         0.04858398,  0.04370117, -0.23046875,  0.04052734,  0.04467773,
        -0.35742188,  0.13085938, -0.05517578, -0.3359375 ,  0.21582031,
        -0.17773438, -0.05761719,  0.04467773,  0.11328125,  0.03637695,
         0.02807617, -0.07763672,  0.02856445,  0.11035156, -0.00325012,
        -0.15722656, -0.03662109, -0.03369141,  0.12158203, -0.08984375,
        -0.38085938, -0.06396484,  0.08496094, -0.02441406, -0.20605469,
        -0.09326172,  0.19238281, -0.0324707 , -0.01855469,  0.03637695,
         0.10253906,  0.01287842,  0.06445312,  0.0859375 ,  0.15136719,
        -0.08642578,  0.10839844,  0.22167969, -0.13378906, -0.390625  ,
        -0.17480469,  0.05297852,  0.29296875, -0.29492188,  0.04638672,
        -0.03637695, -0.05932617, -0.06689453,  0.22363281, -0.12792969,
         0.03710938, -0.00646973, -0.11914062,  0.26367188,  0.12792969,
         0.09277344, -0.01525879,  0.15136719,  0.18554688,  0.14453125,
        -0.05786133,  0.00662231, -0.06982422, -0.07373047, -0.04223633,
        -0.13769531, -0.0009079 ,  0.02941895, -0.0703125 ,  0.14257812,
         0.0078125 , -0.09765625,  0.19335938,  0.03564453,  0.09521484,
         0.24511719,  0.18652344, -0.20996094,  0.16308594, -0.12109375,
        -0.12207031, -0.09179688, -0.58203125,  0.05932617, -0.03344727,
        -0.03955078,  0.140625  , -0.13867188,  0.4296875 , -0.01745605,
         0.21289062, -0.25195312, -0.1015625 , -0.11865234, -0.14550781,
        -0.06396484,  0.27929688,  0.1953125 ,  0.00561523, -0.08056641,
        -0.09033203, -0.12597656, -0.12011719, -0.30273438,  0.11572266,
        -0.05859375,  0.14746094, -0.05029297,  0.21777344,  0.05297852,
         0.24902344,  0.06347656,  0.06103516,  0.21679688,  0.33398438,
         0.00218201,  0.00878906, -0.07568359,  0.00765991,  0.18359375,
         0.04248047,  0.125     ,  0.10546875,  0.09619141,  0.00137329],
       dtype=float32),
```

```
 'demand': array([-0.02770996,  0.01348877, -0.03173828,  0.15429688, -0.28
125   ,
        -0.16210938, -0.10400391, -0.35351562,  0.04785156,  0.25585938,
        -0.3984375 ,  0.19628906, -0.0703125 , -0.10498047, -0.296875  ,
         0.20800781,  0.15039062, -0.1328125 ,  0.07763672, -0.20898438,
        -0.00340271, -0.16699219,  0.12890625,  0.13964844, -0.14160156,
        -0.09472656,  0.19042969,  0.09326172,  0.02819824,  0.07714844,
         0.18066406, -0.0703125 , -0.20996094, -0.10742188,  0.05981445,
         0.05883789,  0.0144043 ,  0.15820312, -0.01159668, -0.03076172,
         0.16308594,  0.006073  ,  0.22167969, -0.06933594, -0.06005859,
        -0.2890625 , -0.02246094,  0.2421875 , -0.32617188, -0.0213623 ,
         0.16601562, -0.3203125 , -0.26757812,  0.17871094,  0.19238281,
         0.14648438,  0.01672363,  0.18457031,  0.22753906, -0.09716797,
        -0.1484375 ,  0.03369141, -0.26367188,  0.22167969,  0.14648438,
         0.00094986, -0.13574219, -0.06494141,  0.08447266,  0.17871094,
         0.01470947, -0.26953125,  0.13769531,  0.1640625 , -0.08496094,
        -0.01782227,  0.1875    ,  0.03491211,  0.15722656,  0.10644531,
         0.26367188,  0.22753906, -0.23339844, -0.06738281, -0.04150391,
         0.04516602, -0.296875  ,  0.10693359, -0.01916504, -0.05053711,
         0.22167969,  0.0559082 , -0.00361633, -0.12597656, -0.06640625,
        -0.21972656,  0.02978516, -0.01409912,  0.09326172, -0.00157928,
        -0.08544922, -0.16015625, -0.01116943, -0.01940918,  0.1640625 ,
        -0.24609375, -0.14160156, -0.00071716, -0.09814453, -0.04956055,
        -0.19433594, -0.19238281, -0.13378906,  0.23925781, -0.03393555,
        -0.12011719, -0.13769531, -0.19433594,  0.22753906,  0.22851562,
         0.05908203,  0.05200195, -0.02197266,  0.03149414,  0.04418945,
         0.11767578, -0.11669922, -0.00466919, -0.03173828,  0.03613281,
         0.0534668 ,  0.3046875 ,  0.11474609, -0.15136719, -0.02709961,
         0.13085938,  0.01940918,  0.0625    , -0.2734375 ,  0.02661133,
         0.13964844, -0.07080078,  0.17382812,  0.12451172,  0.02978516,
        -0.02929688,  0.15429688,  0.08251953,  0.01513672, -0.16210938,
        -0.06933594,  0.08251953,  0.17480469, -0.06445312, -0.16699219,
        -0.02307129, -0.08251953, -0.18261719, -0.10351562, -0.1953125 ,
        -0.08007812, -0.25195312, -0.17089844, -0.15332031, -0.01324463,
         0.19921875, -0.12255859, -0.203125  ,  0.14257812, -0.07568359,
        -0.3515625 ,  0.10693359, -0.1015625 ,  0.01342773,  0.02075195,
        -0.29492188,  0.03295898, -0.29296875, -0.3046875 ,  0.2890625 ,
        -0.16503906, -0.17871094, -0.01519775, -0.32421875,  0.22265625,
        -0.13183594, -0.04980469,  0.04589844,  0.09716797,  0.18359375,
        -0.125     , -0.06933594, -0.0213623 , -0.06787109, -0.29492188,
        -0.2578125 ,  0.10546875, -0.10253906,  0.15136719, -0.29882812,
        -0.08007812,  0.19042969, -0.18457031, -0.1484375 , -0.09326172,
        -0.07177734,  0.13867188,  0.10986328,  0.01635742,  0.12158203,
        -0.2109375 ,  0.03417969,  0.01080322,  0.02514648, -0.14746094,
        -0.04248047,  0.15917969,  0.16796875, -0.3203125 ,  0.23535156,
        -0.01422119, -0.15429688, -0.14746094,  0.30273438, -0.16113281,
        -0.12402344, -0.16699219, -0.20605469,  0.1875    ,  0.0559082 ,
        -0.12109375,  0.03198242,  0.19140625,  0.05029297, -0.00921631,
        -0.00631714, -0.09521484, -0.02514648, -0.09472656, -0.02380371,
        -0.02282715,  0.05883789, -0.02441406,  0.30664062,  0.06689453,
         0.09667969, -0.04101562,  0.07568359,  0.03222656, -0.14746094,
         0.13085938,  0.08154297, -0.29101562,  0.2265625 , -0.15039062,
        -0.0324707 , -0.05664062, -0.44335938,  0.02111816, -0.11523438,
        -0.24414062, -0.11572266,  0.03173828,  0.10107422, -0.08056641,
         0.06933594, -0.20214844, -0.14257812,  0.15332031,  0.03833008,
         0.12451172,  0.17382812,  0.10107422,  0.05078125, -0.19824219,
         0.02038574, -0.13964844, -0.01855469, -0.16796875, -0.05932617,
        -0.04589844, -0.02990723,  0.22070312, -0.08300781,  0.03271484,
         0.14257812,  0.05444336, -0.01519775,  0.06396484,  0.3515625 ,
         0.16015625, -0.02624512,  0.01647949, -0.07714844,  0.36132812,
         0.08105469,  0.10986328,  0.04345703,  0.21484375, -0.17871094],
       dtype=float32),
 'described': array([-0.02197266,  0.08300781,  0.09179688, -0.14453125, -
0.15917969,
```

```
         0.06689453,  0.27148438, -0.08447266,  0.07666016, -0.11279297,
         0.15527344, -0.08496094, -0.05932617,  0.26953125,  0.31054688,
         0.24609375,  0.07714844,  0.34179688, -0.09863281, -0.04467773,
        -0.05273438,  0.13867188, -0.21679688, -0.12011719,  0.18554688,
        -0.25390625, -0.046875  ,  0.22167969, -0.06933594,  0.07666016,
         0.10742188, -0.17480469,  0.13476562,  0.23242188, -0.27734375,
         0.20410156, -0.01025391,  0.02783203, -0.1796875 , -0.09423828,
         0.09326172,  0.06494141, -0.07861328,  0.03295898,  0.10400391,
        -0.13671875, -0.20996094,  0.05200195, -0.11132812, -0.14550781,
         0.13671875, -0.06835938,  0.03979492, -0.01806641, -0.00750732,
         0.2734375 , -0.140625  , -0.11621094,  0.2578125 ,  0.38671875,
        -0.25976562,  0.14453125, -0.20703125, -0.14355469, -0.08056641,
         0.10986328,  0.02453613,  0.19726562, -0.0625    , -0.01092529,
        -0.09179688,  0.06591797,  0.18945312,  0.08447266,  0.10693359,
        -0.06347656, -0.06835938,  0.15332031, -0.03100586,  0.26367188,
         0.15136719, -0.0168457 ,  0.04248047, -0.06005859, -0.00854492,
         0.04052734, -0.04125977,  0.13964844, -0.01507568, -0.3203125 ,
         0.265625  , -0.01074219,  0.15234375,  0.09277344,  0.40625   ,
        -0.06738281, -0.23632812,  0.14550781, -0.06689453, -0.00561523,
         0.03979492, -0.03393555, -0.33203125,  0.02001953,  0.31445312,
         0.14550781,  0.359375  , -0.08544922, -0.22070312,  0.03466797,
        -0.15136719,  0.05200195,  0.07666016,  0.12792969, -0.13378906,
        -0.06542969,  0.02636719,  0.0279541 ,  0.40429688,  0.17578125,
         0.06298828,  0.04492188, -0.16210938, -0.22363281, -0.00598145,
         0.09423828,  0.03955078, -0.09912109,  0.15136719, -0.02270508,
        -0.01239014, -0.24707031, -0.11914062,  0.14257812, -0.06738281,
         0.1796875 , -0.04858398,  0.07080078,  0.16308594,  0.17285156,
         0.11328125,  0.07080078, -0.14941406, -0.02807617,  0.06542969,
         0.13769531, -0.07128906, -0.10595703,  0.01586914,  0.16503906,
         0.203125  , -0.06591797, -0.01867676,  0.21972656,  0.08300781,
         0.07568359,  0.16210938,  0.15625   , -0.02368164,  0.03149414,
         0.23730469,  0.11669922, -0.02160645, -0.00396729, -0.0222168 ,
        -0.04248047,  0.14160156, -0.23925781,  0.10839844,  0.16015625,
         0.02124023, -0.11767578,  0.24316406, -0.14941406, -0.01916504,
        -0.04711914,  0.18847656, -0.0324707 , -0.07128906,  0.31640625,
         0.41210938,  0.11816406,  0.03344727, -0.05615234, -0.06225586,
         0.19335938, -0.29492188,  0.26757812, -0.01361084,  0.27539062,
         0.05908203, -0.08251953,  0.0177002 , -0.14257812, -0.12792969,
         0.30273438, -0.04296875,  0.14160156, -0.02380371, -0.13476562,
         0.08349609, -0.09130859, -0.17480469, -0.10888672, -0.06640625,
         0.03271484,  0.05834961,  0.16503906, -0.06933594, -0.08105469,
        -0.02099609, -0.13867188,  0.16894531, -0.09667969, -0.10888672,
        -0.38476562,  0.08789062,  0.06542969, -0.09423828, -0.12109375,
         0.32421875,  0.00494385, -0.10400391, -0.06835938,  0.3046875 ,
         0.02783203,  0.20800781,  0.20703125, -0.01068115, -0.30078125,
        -0.02124023, -0.13964844,  0.28515625, -0.05908203,  0.12988281,
         0.02746582,  0.24023438,  0.05151367,  0.05224609, -0.1015625 ,
         0.16699219,  0.14355469, -0.25195312, -0.00643921,  0.09277344,
        -0.03466797, -0.29101562, -0.06982422,  0.15527344,  0.03613281,
        -0.18261719,  0.12890625,  0.06835938,  0.30859375, -0.10107422,
        -0.06591797, -0.2734375 , -0.19042969, -0.01190186, -0.23046875,
         0.04272461, -0.03222656,  0.05493164, -0.03393555,  0.15820312,
         0.4296875 ,  0.10644531, -0.11230469, -0.18261719, -0.03295898,
         0.00309753, -0.1484375 , -0.02380371, -0.04760742,  0.10009766,
        -0.01928711, -0.09472656, -0.05737305, -0.0456543 , -0.10253906,
         0.08642578,  0.24023438, -0.21679688, -0.25195312,  0.06591797,
        -0.15527344, -0.2734375 , -0.10449219, -0.11376953,  0.07910156,
        -0.24511719, -0.26171875, -0.21875   ,  0.09033203, -0.21679688,
        -0.20117188,  0.203125  ,  0.19433594,  0.375     ,  0.11474609],
       dtype=float32),
 'representative': array([-0.11816406, -0.11767578,  0.03088379, -0.1806640
6, -0.08056641,
         0.14746094,  0.02038574, -0.20605469,  0.2734375 , -0.13769531,
        -0.08447266,  0.01385498,  0.02270508, -0.06835938,  0.04638672,
```

```
         0.21679688,  0.14160156,  0.03930664, -0.08300781,  0.0402832 ,
         0.05883789,  0.20410156, -0.19140625,  0.07324219,  0.09228516,
         0.04833984, -0.22558594,  0.15234375, -0.11621094, -0.11425781,
         0.04394531,  0.14355469, -0.22558594,  0.125     ,  0.38085938,
         0.04833984,  0.12060547,  0.28710938, -0.08740234, -0.13476562,
         0.13964844, -0.09521484, -0.17773438,  0.0625    ,  0.03686523,
        -0.1484375 , -0.16699219,  0.22949219, -0.11865234,  0.04785156,
         0.02954102, -0.03417969,  0.01843262,  0.09521484, -0.06542969,
         0.15722656, -0.06982422, -0.00312805, -0.11474609, -0.24316406,
        -0.02600098, -0.01470947, -0.13574219,  0.04223633,  0.07958984,
        -0.05126953,  0.02099609,  0.34765625,  0.34375   ,  0.04125977,
         0.01696777, -0.10986328,  0.09814453, -0.09179688, -0.17480469,
         0.14160156, -0.16210938, -0.09033203,  0.2890625 , -0.03564453,
         0.21972656, -0.02624512, -0.18066406,  0.10449219, -0.04174805,
        -0.12597656, -0.15136719, -0.296875  ,  0.1328125 ,  0.24609375,
         0.15917969, -0.12695312, -0.25390625,  0.01635742, -0.04003906,
        -0.07324219, -0.02392578,  0.20019531,  0.01989746, -0.0006752 ,
         0.01867676,  0.01916504, -0.09814453,  0.10107422,  0.01708984,
        -0.18847656, -0.13085938, -0.14160156,  0.0246582 , -0.00637817,
        -0.24804688, -0.265625  , -0.24707031, -0.13964844, -0.19921875,
         0.0456543 , -0.0456543 ,  0.171875  ,  0.36523438, -0.07617188,
        -0.02722168, -0.10644531, -0.22558594, -0.02026367, -0.00921631,
         0.06933594, -0.09228516, -0.12695312,  0.26171875, -0.06738281,
         0.06298828, -0.17578125, -0.16210938,  0.03515625, -0.18066406,
        -0.03662109, -0.18359375, -0.12890625, -0.13378906, -0.07373047,
        -0.05957031,  0.22363281, -0.05859375, -0.01708984, -0.15527344,
         0.02856445, -0.25976562, -0.12988281,  0.05517578,  0.10302734,
         0.09179688,  0.24902344,  0.10205078,  0.1875    ,  0.15625   ,
         0.07470703,  0.04418945,  0.05834961, -0.1640625 , -0.06079102,
        -0.26953125, -0.0112915 ,  0.26757812,  0.03564453,  0.03369141,
         0.06640625,  0.24707031, -0.00061798,  0.15820312,  0.31054688,
         0.28125   ,  0.31835938,  0.26171875, -0.2421875 ,  0.21484375,
        -0.09912109,  0.28710938, -0.0378418 , -0.01397705, -0.05615234,
        -0.02734375, -0.18554688, -0.00762939,  0.04858398,  0.00634766,
        -0.02697754,  0.03735352,  0.12695312, -0.171875  ,  0.23828125,
        -0.07617188,  0.00946045, -0.02368164,  0.14648438,  0.22851562,
         0.01483154,  0.09130859,  0.078125  ,  0.22851562, -0.07861328,
         0.05273438,  0.28320312,  0.02307129, -0.05834961, -0.13085938,
         0.02905273, -0.09033203,  0.0859375 , -0.05541992,  0.06787109,
         0.19726562, -0.10644531, -0.28515625, -0.11767578,  0.10107422,
         0.09765625, -0.02355957, -0.3125    ,  0.10986328,  0.08203125,
         0.18457031, -0.00598145, -0.13183594,  0.13476562,  0.04443359,
         0.06933594,  0.09863281,  0.13085938,  0.03417969,  0.19726562,
         0.04760742, -0.14746094, -0.16796875,  0.04418945,  0.11962891,
        -0.0072937 , -0.05249023, -0.13671875, -0.08740234, -0.00215149,
         0.11572266, -0.20507812,  0.01867676,  0.13671875,  0.13183594,
         0.09179688, -0.24511719,  0.14941406,  0.01055908, -0.06445312,
        -0.01977539,  0.03735352,  0.09716797, -0.234375  ,  0.01287842,
         0.17480469, -0.078125  , -0.02026367, -0.04663086, -0.07177734,
        -0.03393555, -0.09228516,  0.05688477,  0.01531982,  0.28320312,
         0.01422119,  0.14355469,  0.5546875 , -0.12597656,  0.03063965,
        -0.02453613,  0.09130859,  0.08349609, -0.04760742, -0.16015625,
        -0.21777344, -0.06787109,  0.01409912, -0.11376953,  0.12011719,
         0.0065918 ,  0.02954102, -0.0213623 ,  0.28710938,  0.01031494,
         0.11083984, -0.01043701,  0.04663086,  0.1484375 , -0.03076172,
        -0.00094604,  0.01287842,  0.0177002 ,  0.03515625, -0.00860596,
         0.09423828,  0.06542969, -0.03759766,  0.13671875, -0.13671875],
       dtype=float32),
 'must': array([-7.03125000e-02,  9.17968750e-02,  1.44531250e-01,  1.24511
719e-01,
        -1.29882812e-01,  2.56347656e-03,  1.08398438e-01, -1.80664062e-02,
         5.98144531e-03, -8.20312500e-02, -5.41992188e-02,  4.73632812e-02,
        -3.73535156e-02, -1.80664062e-02, -5.17578125e-02,  3.05175781e-02,
         2.92968750e-02,  1.51367188e-01, -2.56347656e-02,  3.71093750e-02,
```

```
-1.41601562e-01, -1.79687500e-01,  1.27929688e-01,  4.71191406e-02,
 5.49316406e-02, -1.14257812e-01, -7.66601562e-02,  1.75781250e-01,
 8.10546875e-02,  1.04492188e-01, -2.01416016e-02, -1.02050781e-01,
-6.25000000e-02, -3.19824219e-02,  9.71679688e-02, -4.49218750e-02,
 1.91406250e-01,  2.42919922e-02, -1.83105469e-02, -8.78906250e-02,
 8.54492188e-02, -8.83789062e-02,  1.88476562e-01,  2.13623047e-03,
 7.08007812e-02, -8.25195312e-02,  1.25000000e-01,  1.29882812e-01,
-1.19628906e-01, -4.06250000e-01, -2.30468750e-01,  1.71875000e-01,
-1.52343750e-01,  2.03125000e-01,  1.50390625e-01,  1.37695312e-01,
 3.68652344e-02, -7.12890625e-02,  5.41992188e-02,  1.21459961e-02,
-6.39648438e-02,  2.44140625e-01, -1.25976562e-01, -1.07910156e-01,
 2.97546387e-03, -2.88085938e-02,  1.01562500e-01,  3.51562500e-01,
-9.91210938e-02, -2.55859375e-01,  5.10253906e-02,  5.66406250e-02,
 1.01074219e-01, -6.88476562e-02, -1.96533203e-02, -5.93261719e-02,
 3.55468750e-01,  2.81250000e-01, -7.76367188e-02,  1.42578125e-01,
 8.93554688e-02, -1.71875000e-01, -1.77001953e-02, -1.74804688e-01,
-4.24804688e-02, -3.00292969e-02, -7.47070312e-02,  5.37109375e-02,
 2.15820312e-01,  1.57226562e-01, -5.21850586e-03,  2.23388672e-02,
-4.95605469e-02, -2.89062500e-01, -3.88183594e-02, -9.42382812e-02,
-3.07617188e-02, -6.56127930e-03, -8.54492188e-03,  1.67968750e-01,
 6.00585938e-02, -9.66796875e-02, -1.45507812e-01,  1.23535156e-01,
-2.43164062e-01,  1.53198242e-02, -1.66015625e-01, -1.26953125e-01,
 1.49414062e-01,  2.50000000e-01, -2.83203125e-01, -8.25195312e-02,
-2.79296875e-01,  2.32421875e-01,  1.14257812e-01,  1.98242188e-01,
 4.54101562e-02,  1.31835938e-01,  1.58203125e-01,  3.71093750e-02,
 2.28271484e-02, -5.61523438e-03, -7.35473633e-03,  1.60980225e-03,
-2.11914062e-01, -1.76757812e-01, -2.17285156e-02, -1.08886719e-01,
 1.29882812e-01,  7.76367188e-02,  1.78222656e-02,  7.17773438e-02,
-1.86523438e-01, -1.54296875e-01, -2.15820312e-01, -1.49414062e-01,
-8.05664062e-02, -1.56250000e-01,  1.60156250e-01,  3.83300781e-02,
 1.48315430e-02, -2.21679688e-01,  1.67846680e-03, -5.54199219e-02,
 1.06445312e-01, -3.73535156e-02,  1.06811523e-02, -6.34765625e-02,
 4.39453125e-02, -1.14746094e-01, -6.10351562e-02,  1.76757812e-01,
 1.53320312e-01, -1.04492188e-01,  6.68945312e-02,  8.93554688e-02,
-1.34765625e-01,  2.16064453e-02, -1.17675781e-01, -6.17675781e-02,
 1.04980469e-01, -4.41894531e-02,  6.68945312e-02, -2.90527344e-02,
-9.66796875e-02, -2.10937500e-01, -7.47070312e-02, -1.69921875e-01,
 5.76171875e-02, -3.26538086e-03, -1.54296875e-01, -9.61914062e-02,
-2.23632812e-01,  8.15429688e-02,  3.97949219e-02, -2.94189453e-02,
-2.83203125e-02, -7.47070312e-02, -8.49609375e-02,  6.37817383e-03,
-7.61718750e-02, -3.90625000e-02,  8.93554688e-02,  2.23159790e-04,
-2.49023438e-02, -1.35742188e-01, -2.08007812e-01, -1.25976562e-01,
 1.81640625e-01,  1.54296875e-01, -2.35595703e-02,  2.77343750e-01,
-5.07812500e-02,  4.61425781e-02,  1.26953125e-02,  2.45361328e-02,
 6.54296875e-02, -7.47070312e-02, -2.98828125e-01, -2.13867188e-01,
 1.36718750e-01,  2.15820312e-01,  1.26953125e-02, -9.86328125e-02,
-1.73828125e-01, -3.27148438e-02, -3.68652344e-02,  9.52148438e-02,
 2.71484375e-01, -1.44531250e-01, -1.93359375e-01,  1.30859375e-01,
 2.67333984e-02,  9.03320312e-02, -3.14453125e-01,  1.44531250e-01,
-5.76782227e-03,  2.47802734e-02, -4.58984375e-02,  3.11279297e-02,
-1.72851562e-01, -1.78710938e-01, -1.47460938e-01, -2.27539062e-01,
 1.13487244e-04, -3.11279297e-02,  2.92968750e-01,  7.27539062e-02,
-6.29425049e-04, -8.83789062e-02,  2.96630859e-02, -2.61718750e-01,
 3.11279297e-02,  5.83496094e-02,  2.17773438e-01,  1.81884766e-02,
-1.58691406e-02,  2.70996094e-02,  1.18164062e-01,  4.34570312e-02,
 4.27246094e-03,  1.29882812e-01,  2.79296875e-01, -2.69531250e-01,
 7.08007812e-02, -1.25122070e-02, -9.81445312e-02,  2.16064453e-02,
-3.54003906e-02, -2.67028809e-03, -8.25195312e-02,  1.00097656e-01,
 1.37695312e-01,  4.19921875e-02,  2.05078125e-01, -2.56347656e-02,
 1.13281250e-01, -3.49121094e-02,  1.83105469e-02,  1.10839844e-01,
-9.08203125e-02,  6.22558594e-02, -1.05957031e-01,  3.06640625e-01,
 1.43554688e-01,  2.65625000e-01, -9.66796875e-02,  1.46484375e-01,
-1.07421875e-01, -1.21093750e-01,  4.80468750e-01,  2.39257812e-01,
 8.00781250e-02,  3.37890625e-01, -1.21459961e-02,  7.17773438e-02,
```

```
        -8.69140625e-02, -3.22265625e-02, -1.83593750e-01,  2.17773438e-01,
        -2.75878906e-02, -1.70898438e-01,  2.47955322e-04, -1.00708008e-02,
         4.00390625e-02, -6.49414062e-02,  9.21630859e-03,  1.90429688e-01,
         1.80664062e-01,  1.82617188e-01, -3.10546875e-01, -1.25976562e-01,
        -6.73828125e-02,  1.20605469e-01,  6.03027344e-02,  2.26562500e-01,
        -8.25195312e-02, -2.40234375e-01, -7.66601562e-02,  1.69677734e-0
2],
       dtype=float32),
 'met': array([-1.96289062e-01,  1.33789062e-01,  1.19140625e-01, -2.819824
22e-02,
        -1.17187500e-01, -3.95507812e-02, -2.33154297e-02, -8.25195312e-02,
         1.69921875e-01,  4.05273438e-02, -1.24023438e-01, -3.24707031e-02,
        -1.56250000e-01,  6.37817383e-03,  8.78906250e-02,  4.10156250e-02,
         6.39648438e-02,  2.33398438e-01,  1.93359375e-01, -2.02636719e-02,
        -9.94873047e-03,  1.57226562e-01, -1.33789062e-01,  3.49121094e-02,
         3.20312500e-01,  1.80664062e-02, -2.69531250e-01,  1.22680664e-02,
        -1.90429688e-01, -6.78710938e-02,  1.37695312e-01, -1.41601562e-01,
        -8.44726562e-02,  9.82666016e-03, -1.18652344e-01, -4.61425781e-02,
         2.59765625e-01, -6.03027344e-02,  1.55639648e-02,  1.96289062e-01,
        -2.01171875e-01,  2.88085938e-02,  4.76074219e-03,  3.08837891e-02,
        -2.35351562e-01, -4.49218750e-02, -1.58203125e-01, -2.12890625e-01,
        -1.39648438e-01,  1.52343750e-01, -5.90820312e-02,  2.96630859e-02,
        -1.57226562e-01, -7.59887695e-03, -2.12890625e-01, -7.17773438e-02,
        -7.71484375e-02,  2.03857422e-02,  1.00097656e-01,  6.83593750e-02,
        -1.75781250e-01,  1.75781250e-01,  7.56835938e-02,  2.44140625e-02,
        -2.91015625e-01, -5.56640625e-02, -1.55273438e-01, -1.16699219e-01,
         9.52148438e-02,  1.25976562e-01, -8.25195312e-02, -2.45117188e-01,
        -2.47070312e-01,  1.46484375e-01, -3.10546875e-01,  8.88671875e-02,
         2.07519531e-02,  1.55273438e-01,  6.17980957e-04,  3.16406250e-01,
         4.12597656e-02, -4.66308594e-02, -1.48437500e-01,  9.57031250e-02,
         1.60156250e-01, -9.86328125e-02,  3.95507812e-02, -1.76757812e-01,
        -1.01074219e-01, -4.60815430e-03,  1.81640625e-01, -2.53906250e-01,
        -1.40625000e-01,  1.98364258e-03, -5.32226562e-02, -2.25585938e-01,
        -5.41992188e-02,  1.33789062e-01, -2.02148438e-01, -1.66992188e-01,
        -7.17773438e-02,  1.29394531e-02, -2.71484375e-01,  7.51953125e-02,
         6.49414062e-02, -1.14257812e-01, -5.39550781e-02, -8.34960938e-02,
         1.37695312e-01, -2.19726562e-01, -7.93457031e-03, -1.90429688e-01,
        -8.42285156e-03,  6.25000000e-02,  1.18652344e-01, -5.88378906e-02,
         2.16796875e-01, -2.83203125e-01,  3.61328125e-02, -7.03125000e-02,
        -5.22460938e-02,  8.10546875e-02,  1.53320312e-01,  1.20849609e-02,
        -1.69677734e-02,  1.54296875e-01,  1.17187500e-01, -1.15234375e-01,
         4.76074219e-02,  8.83789062e-02, -5.22460938e-02, -2.77343750e-01,
         1.15722656e-01, -1.82617188e-01, -1.16699219e-01, -4.29687500e-02,
         1.39770508e-02,  9.22851562e-02, -2.39257812e-02,  5.59082031e-02,
        -2.94921875e-01,  2.71484375e-01, -2.11914062e-01, -1.76757812e-01,
         1.25000000e-01,  2.35351562e-01, -1.69921875e-01, -1.30859375e-01,
         2.16796875e-01,  1.61132812e-01, -4.29687500e-02,  3.14453125e-01,
        -1.04492188e-01,  1.45507812e-01,  1.32812500e-01, -4.63867188e-02,
        -2.37304688e-01,  3.85742188e-02,  2.31445312e-01, -1.33789062e-01,
         1.25000000e-01, -1.91650391e-02,  1.13281250e-01,  9.57031250e-02,
        -5.98144531e-02, -1.51367188e-01, -6.44531250e-02,  4.71191406e-02,
         9.81445312e-02,  3.49121094e-02,  7.32421875e-02, -5.61523438e-02,
         1.31835938e-01, -2.84423828e-02,  5.90820312e-02,  8.10623169e-05,
         6.25000000e-02,  2.26562500e-01, -4.37011719e-02,  7.08007812e-02,
         3.05175781e-02,  1.94335938e-01,  7.51953125e-02,  2.69531250e-01,
         3.37890625e-01, -2.12890625e-01, -3.71093750e-02, -3.28125000e-01,
        -1.56250000e-01,  1.33789062e-01, -2.70996094e-02,  9.66796875e-02,
         2.71484375e-01,  9.71679688e-02,  5.82885742e-03,  3.65234375e-01,
         1.42578125e-01,  9.32617188e-02, -3.83300781e-02, -2.42187500e-01,
         2.16796875e-01,  2.41210938e-01,  2.50000000e-01, -1.33056641e-02,
         2.27928162e-04,  7.50732422e-03, -1.09375000e-01,  2.87109375e-01,
         2.87109375e-01, -1.17797852e-02,  5.63964844e-02,  3.27148438e-02,
         1.00585938e-01, -1.73828125e-01, -7.42187500e-02, -1.51367188e-01,
         1.27929688e-01,  7.76367188e-02, -2.83203125e-01, -4.05273438e-02,
```

```
        -1.28906250e-01,  5.95703125e-02,  1.33056641e-02,  1.76757812e-01,
         3.39843750e-01, -2.33398438e-01, -1.93359375e-01,  1.95312500e-01,
        -1.23046875e-01, -1.26953125e-01,  1.08398438e-01, -4.18090820e-03,
         6.39648438e-02, -8.54492188e-02,  1.68945312e-01, -1.48010254e-03,
         1.96289062e-01, -1.45507812e-01,  5.29785156e-02,  2.89062500e-01,
         4.19921875e-02,  2.40478516e-02, -1.44531250e-01,  2.29492188e-01,
        -2.52685547e-02, -1.42097473e-04,  4.19921875e-02, -1.70898438e-01,
         8.88671875e-02,  3.71093750e-02, -1.07421875e-01,  2.37304688e-01,
         2.42187500e-01,  1.92382812e-01, -1.07421875e-02,  2.18750000e-01,
        -7.29370117e-03, -8.74023438e-02,  1.34765625e-01,  1.18255615e-03,
        -2.00195312e-01, -1.36718750e-01,  1.98242188e-01,  2.31933594e-02,
         1.36718750e-01,  3.02734375e-01,  2.72216797e-02,  4.29687500e-02,
        -1.13281250e-01,  1.11816406e-01,  2.19726562e-01,  6.56127930e-03,
        -2.41210938e-01,  2.06298828e-02,  1.73828125e-01, -2.71484375e-01,
        -3.41796875e-01, -2.29492188e-02, -1.45507812e-01, -9.86328125e-02,
        -7.91015625e-02, -8.54492188e-02, -1.44531250e-01,  1.27929688e-01,
         2.53906250e-01,  1.38549805e-02, -2.81250000e-01,  2.67578125e-01,
         5.00488281e-02,  2.61718750e-01, -1.40625000e-01, -1.33789062e-01,
        -1.28906250e-01,  3.12500000e-02, -1.26953125e-01, -2.56347656e-02,
         7.86132812e-02, -3.39355469e-02,  1.65039062e-01, -8.30078125e-0
2],
       dtype=float32),
 'employee': array([ 0.07177734, -0.15820312, -0.08740234,  0.17871094,  0.
140625  ,
         0.0546875 ,  0.18359375,  0.02905273,  0.125     ,  0.06152344,
        -0.05517578, -0.07666016, -0.00723267, -0.18457031, -0.06225586,
         0.08837891, -0.02270508, -0.06494141,  0.0480957 ,  0.15625   ,
        -0.08300781, -0.20898438,  0.09667969, -0.12402344,  0.16992188,
        -0.06542969, -0.36132812,  0.140625  , -0.09912109, -0.07958984,
         0.00259399, -0.33203125, -0.24414062,  0.10644531, -0.14453125,
        -0.12597656,  0.36523438,  0.12011719, -0.00254822, -0.07714844,
        -0.08300781, -0.01867676,  0.08007812, -0.11230469, -0.09228516,
        -0.27539062, -0.234375  , -0.07226562,  0.0625    ,  0.15332031,
        -0.18261719, -0.21289062,  0.01257324,  0.16796875,  0.07568359,
         0.06494141,  0.0625    , -0.01635742,  0.13574219, -0.02124023,
        -0.03979492,  0.14746094, -0.41210938,  0.11767578,  0.00915527,
         0.11376953,  0.16015625,  0.00515747,  0.19042969, -0.0402832 ,
        -0.15234375, -0.04760742, -0.04736328, -0.01470947, -0.08740234,
         0.11523438,  0.08300781,  0.00460815, -0.01855469, -0.12353516,
         0.296875  , -0.06054688, -0.03930664,  0.19433594, -0.140625  ,
        -0.006073  , -0.12890625,  0.15234375, -0.10498047,  0.03344727,
        -0.07421875,  0.04052734, -0.31835938,  0.19140625, -0.00759888,
        -0.03088379,  0.08789062,  0.20019531,  0.17578125,  0.02929688,
        -0.00735474, -0.296875  , -0.05908203,  0.05908203,  0.12304688,
        -0.3515625 ,  0.07275391,  0.01055908, -0.09130859, -0.2109375 ,
        -0.16601562, -0.22363281, -0.1484375 , -0.29882812, -0.16503906,
         0.04223633,  0.08349609, -0.15234375,  0.35546875,  0.30078125,
         0.07617188,  0.02832031, -0.359375  ,  0.00634766,  0.17089844,
         0.00326538,  0.17773438, -0.06445312,  0.13085938,  0.19726562,
        -0.3125    , -0.22363281, -0.18066406, -0.04150391, -0.11962891,
        -0.16894531, -0.27929688, -0.10644531, -0.1328125 ,  0.05444336,
         0.09326172,  0.08984375, -0.0859375 ,  0.21777344, -0.24316406,
        -0.14453125, -0.19628906,  0.0625    ,  0.10107422,  0.3359375 ,
         0.19628906,  0.24902344,  0.04443359,  0.15917969, -0.05444336,
         0.04223633,  0.02929688, -0.09375   , -0.11621094,  0.16113281,
        -0.13574219, -0.00811768, -0.02441406,  0.15332031, -0.08984375,
         0.00094986, -0.13867188, -0.15039062,  0.15332031,  0.18359375,
         0.16210938, -0.03125   ,  0.01116943, -0.06347656, -0.09472656,
         0.06542969,  0.22558594,  0.06640625,  0.06298828, -0.19335938,
        -0.07421875,  0.05224609,  0.02478027, -0.38085938, -0.09033203,
         0.02844238, -0.03588867,  0.33398438, -0.07421875, -0.05419922,
        -0.12597656, -0.05322266,  0.02819824,  0.25976562, -0.15722656,
        -0.04736328, -0.05615234,  0.1328125 ,  0.04272461,  0.06445312,
         0.04052734,  0.07617188,  0.03540039, -0.02587891, -0.16601562,
```

```
        -0.15820312, -0.21777344,  0.09863281, -0.08837891, -0.18457031,
         0.21777344, -0.17480469, -0.17871094,  0.1640625 ,  0.22363281,
         0.23730469,  0.14941406,  0.140625  , -0.16503906,  0.08886719,
         0.05908203, -0.10595703,  0.20214844, -0.16796875,  0.09033203,
         0.02893066,  0.07177734,  0.05541992,  0.00817871, -0.30859375,
         0.03198242,  0.03637695, -0.203125  , -0.07275391, -0.21386719,
        -0.25390625,  0.265625  , -0.10888672, -0.00344849, -0.06030273,
         0.09082031, -0.14160156, -0.05688477, -0.31054688,  0.04296875,
        -0.03710938, -0.32617188, -0.12695312,  0.125     , -0.23242188,
        -0.2734375 ,  0.125     , -0.10742188, -0.21875   ,  0.02783203,
        -0.07666016, -0.04663086,  0.23925781, -0.12158203,  0.3203125 ,
         0.0612793 , -0.20898438, -0.13964844, -0.12695312, -0.11865234,
         0.0078125 , -0.08056641,  0.21972656, -0.17480469,  0.13378906,
        -0.08886719,  0.02233887, -0.09814453,  0.05493164, -0.42578125,
        -0.10058594, -0.046875  , -0.09814453,  0.18066406, -0.20605469,
        -0.11767578, -0.01428223, -0.09570312,  0.31640625, -0.08203125,
         0.00552368,  0.07519531, -0.09716797,  0.25976562,  0.12792969,
         0.09960938,  0.08349609, -0.10058594,  0.08886719, -0.03076172,
         0.08935547,  0.12695312,  0.10742188, -0.13085938, -0.05957031],
       dtype=float32),
 'successfully': array([-1.78710938e-01,  6.34765625e-02, -2.23632812e-01,
-5.88378906e-02,
         1.15234375e-01, -3.12500000e-01, -1.12792969e-01,  2.92968750e-01,
        -1.22070312e-01, -8.98437500e-02, -1.61132812e-01, -1.75781250e-01,
        -2.08740234e-02,  8.54492188e-03, -6.64062500e-02,  1.80664062e-01,
        -1.15722656e-01,  1.24511719e-01, -9.71679688e-02,  1.26953125e-01,
         3.90625000e-02,  9.37500000e-02,  6.59179688e-02, -1.49414062e-01,
         1.25000000e-01,  8.49609375e-02, -3.02734375e-02, -3.18359375e-01,
         1.48437500e-01, -2.77099609e-02,  2.65625000e-01,  4.41894531e-02,
         1.04980469e-01, -2.77099609e-02,  2.35351562e-01,  2.46093750e-01,
        -1.06445312e-01, -2.89062500e-01,  1.02539062e-01, -1.87500000e-01,
         1.66015625e-02,  2.01171875e-01, -1.24511719e-01,  1.99218750e-01,
        -1.71875000e-01, -1.46484375e-01, -6.68945312e-02, -7.51495361e-04,
         1.53808594e-02,  5.27343750e-02, -1.57226562e-01,  6.59179688e-02,
        -9.91210938e-02, -2.38037109e-02, -2.02148438e-01,  1.11816406e-01,
        -1.19018555e-03, -2.32421875e-01,  1.41601562e-01, -3.00781250e-01,
         8.39843750e-02,  7.71484375e-02, -1.61132812e-01, -8.25195312e-02,
         2.38037109e-02, -9.66796875e-02,  3.08593750e-01, -9.17968750e-02,
         3.14331055e-03,  1.44531250e-01,  1.00585938e-01, -8.00781250e-02,
         3.75976562e-02,  2.13623047e-02,  6.93359375e-02, -1.87500000e-01,
         4.55078125e-01,  2.87109375e-01,  1.76757812e-01,  9.57031250e-02,
        -2.05078125e-01,  1.90429688e-01, -1.16699219e-01, -1.12792969e-01,
         1.38671875e-01, -9.71679688e-02, -2.15820312e-01,  2.06054688e-01,
        -4.34570312e-02,  2.18750000e-01, -2.21679688e-01, -3.22265625e-02,
        -8.98437500e-02, -4.41894531e-02, -9.86328125e-02,  3.34472656e-02,
         5.92041016e-03, -3.47656250e-01,  1.70898438e-01,  1.71875000e-01,
         3.18359375e-01, -2.07031250e-01, -2.45117188e-01,  1.94335938e-01,
        -1.39648438e-01, -1.04492188e-01, -1.49414062e-01, -8.15429688e-02,
         3.63281250e-01, -6.49414062e-02, -1.81640625e-01,  6.07910156e-02,
        -2.94921875e-01, -2.22167969e-02,  3.27148438e-02,  2.30468750e-01,
        -1.17675781e-01, -5.44433594e-02,  1.49414062e-01, -1.43432617e-03,
        -7.17773438e-02, -1.25976562e-01,  1.68457031e-02, -4.19921875e-02,
        -4.24804688e-02, -6.49414062e-02,  7.91015625e-02,  9.13085938e-02,
         1.73828125e-01, -2.79541016e-02,  3.24218750e-01,  1.08398438e-01,
        -1.29882812e-01, -1.66992188e-01, -3.95507812e-02,  1.88476562e-01,
         3.33984375e-01, -1.56250000e-01,  3.34472656e-02,  2.53906250e-01,
        -2.91748047e-02, -3.24218750e-01,  6.79016113e-04,  2.67028809e-04,
         1.05957031e-01,  4.12597656e-02, -1.09375000e-01,  1.21093750e-01,
        -1.63574219e-02,  8.64257812e-02,  5.81054688e-02, -5.93261719e-02,
         4.60815430e-03,  1.08398438e-01, -7.95898438e-02, -7.66601562e-02,
        -1.92382812e-01,  9.42382812e-02,  5.44433594e-02,  2.02636719e-02,
         7.91015625e-02,  2.26562500e-01,  1.70898438e-01,  3.54003906e-02,
        -3.57055664e-03, -1.80664062e-01,  6.74438477e-03, -2.03125000e-01,
        -1.39648438e-01, -1.55273438e-01,  1.50390625e-01, -4.85839844e-02,
```

```
        -7.22656250e-02, -1.49414062e-01, -1.01074219e-01, -1.39160156e-02,
         2.62451172e-02,  1.11816406e-01, -1.17675781e-01, -1.16210938e-01,
        -1.01562500e-01, -8.20312500e-02, -2.61718750e-01, -9.52148438e-02,
         6.56127930e-03, -1.44531250e-01,  1.06445312e-01, -5.95092773e-03,
         4.54101562e-02,  1.11816406e-01, -2.63671875e-01,  1.14135742e-02,
        -7.95898438e-02,  1.35498047e-02,  1.89453125e-01, -2.19726562e-01,
        -4.11987305e-03,  3.79943848e-03,  1.86523438e-01,  3.06396484e-02,
         2.11914062e-01,  1.49414062e-01,  1.54296875e-01,  1.12792969e-01,
        -6.93359375e-02, -2.63671875e-01, -2.60009766e-02, -1.69921875e-01,
        -3.58886719e-02, -4.76074219e-02, -2.35351562e-01,  3.00292969e-02,
        -2.55859375e-01,  1.68457031e-02, -1.44531250e-01, -1.89453125e-01,
        -8.81195068e-04, -4.83398438e-02,  8.64257812e-02,  9.61914062e-02,
        -2.77343750e-01, -7.12890625e-02,  7.81250000e-03, -8.15429688e-02,
         1.62109375e-01, -1.66992188e-01,  1.35742188e-01, -1.66992188e-01,
         8.39843750e-02, -2.17773438e-01,  8.83789062e-02, -1.62109375e-01,
         2.25830078e-02, -1.34765625e-01, -3.02734375e-02, -1.23046875e-01,
        -1.51367188e-01,  2.05078125e-01,  8.34960938e-02,  6.00585938e-02,
        -3.28125000e-01, -3.19824219e-02,  1.29882812e-01, -1.27929688e-01,
         1.46484375e-01, -1.25732422e-02,  1.55273438e-01, -1.01562500e-01,
        -6.64062500e-02, -1.04003906e-01,  2.00195312e-02, -1.28906250e-01,
        -1.47705078e-02, -4.02832031e-02, -2.06054688e-01,  1.08398438e-01,
         1.39648438e-01, -3.51562500e-02, -9.13085938e-02, -1.40625000e-01,
         1.19140625e-01, -9.66796875e-02,  6.10351562e-03,  3.84765625e-01,
         1.37695312e-01,  2.11914062e-01,  2.04101562e-01, -2.07519531e-02,
         2.81250000e-01,  2.25585938e-01,  8.30078125e-02,  1.02539062e-01,
        -1.70898438e-01,  1.56250000e-01,  9.76562500e-02, -1.19628906e-01,
        -2.05078125e-01, -6.44531250e-02, -7.66601562e-02, -2.96875000e-01,
         6.59179688e-02,  5.42968750e-01, -1.72119141e-02,  7.61718750e-02,
         2.28271484e-02,  6.64062500e-02, -3.88671875e-01,  2.10571289e-03,
         7.08007812e-02,  2.39257812e-01, -1.12792969e-01,  3.97949219e-02,
        -7.56835938e-02, -5.73730469e-02, -4.39453125e-02, -5.12695312e-02,
         3.29589844e-02, -1.54296875e-01, -1.97265625e-01, -1.07910156e-0
1],
       dtype=float32),
 'reasonable': array([-9.03320312e-02,  5.78613281e-02, -8.10546875e-02,
2.87109375e-01,
        -4.61425781e-02,  8.78906250e-02,  4.06250000e-01,  3.57421875e-01,
         2.26562500e-01, -1.56250000e-02, -2.03125000e-01, -3.57055664e-03,
         6.29882812e-02,  1.08032227e-02, -1.87500000e-01,  9.81445312e-02,
         2.27539062e-01, -9.96093750e-02, -8.15429688e-02, -6.00585938e-02,
        -1.11328125e-01, -1.40625000e-01, -7.61718750e-02,  7.87353516e-03,
         2.41699219e-02,  3.88183594e-02, -4.74609375e-01,  1.15722656e-01,
         9.03320312e-02,  7.17773438e-02, -9.86328125e-02, -3.30078125e-01,
        -5.27343750e-02,  6.78710938e-02, -1.11328125e-01, -4.66308594e-02,
        -8.54492188e-02, -3.73535156e-02, -6.44531250e-02,  3.85742188e-02,
         1.06933594e-01,  2.42187500e-01,  1.62109375e-01, -3.45703125e-01,
        -2.87109375e-01, -2.01416016e-02,  1.38671875e-01,  5.05371094e-02,
        -4.66308594e-02, -2.02148438e-01,  2.37304688e-01,  3.90625000e-02,
        -1.18652344e-01, -9.32617188e-02, -3.04687500e-01,  9.91210938e-02,
        -7.91015625e-02, -1.40625000e-01, -1.64794922e-03, -1.45507812e-01,
        -1.27929688e-01,  1.23535156e-01, -2.87109375e-01, -2.81982422e-02,
        -5.90820312e-02,  4.56542969e-02, -2.30712891e-02,  1.21093750e-01,
        -1.44531250e-01,  4.49218750e-02,  1.56250000e-01, -2.45117188e-01,
         1.85546875e-01,  1.25000000e-01, -2.96875000e-01,  2.31933594e-02,
        -2.74658203e-02, -1.45874023e-02,  1.98242188e-01,  9.57031250e-02,
        -4.63867188e-03, -8.12530518e-04, -1.30859375e-01,  1.54296875e-01,
        -6.07910156e-02, -9.32617188e-02,  8.59375000e-02,  3.12500000e-01,
         1.36718750e-02,  6.59179688e-02,  2.69531250e-01, -4.90722656e-02,
         5.81054688e-02, -1.46484375e-01,  1.32812500e-01,  6.83593750e-02,
        -2.13623047e-02,  2.83203125e-01,  1.45874023e-02, -5.41992188e-02,
         2.82287598e-03,  2.03857422e-02,  2.86865234e-02, -5.88378906e-02,
        -1.09375000e-01,  3.73535156e-02,  1.66015625e-01,  2.60009766e-02,
         1.94091797e-02, -2.08007812e-01, -1.37695312e-01, -2.71484375e-01,
        -2.18750000e-01,  8.54492188e-02,  2.55859375e-01,  1.07910156e-01,
```

```
         8.00781250e-02, -7.61718750e-02, -9.22851562e-02,  1.30859375e-01,
        -4.19921875e-02,  1.81640625e-01,  1.37695312e-01, -6.12792969e-02,
        -1.62353516e-02,  2.10937500e-01, -1.55273438e-01, -2.75390625e-01,
        -1.13281250e-01,  1.06933594e-01, -2.50000000e-01, -7.22656250e-02,
        -1.63085938e-01,  6.64062500e-02, -1.99218750e-01, -1.25000000e-01,
         2.40234375e-01,  9.96093750e-02,  7.81250000e-02,  3.84765625e-01,
        -1.15722656e-01,  7.91015625e-02,  6.44531250e-02,  2.51953125e-01,
         5.20019531e-02,  1.16577148e-02, -3.53515625e-01,  7.61718750e-02,
         2.61230469e-02, -6.68945312e-02, -1.07421875e-01,  1.56250000e-01,
         2.51464844e-02, -5.02929688e-02,  1.33789062e-01,  9.27734375e-02,
         1.13769531e-01, -1.34765625e-01, -2.83203125e-01,  2.17773438e-01,
        -1.65039062e-01,  8.10546875e-02,  3.24218750e-01, -1.55273438e-01,
         1.24023438e-01, -7.95898438e-02, -2.05078125e-01,  8.39843750e-02,
        -1.94335938e-01, -9.08203125e-02, -5.68847656e-02,  1.62353516e-02,
         1.30859375e-01, -1.29882812e-01, -3.61328125e-02,  1.51367188e-01,
         9.96093750e-02, -3.58886719e-02, -2.81250000e-01,  9.37500000e-02,
        -1.87500000e-01,  7.08007812e-02, -8.49609375e-02,  8.88824463e-04,
         1.07421875e-01, -1.32812500e-01, -1.59912109e-02, -1.53320312e-01,
         1.47705078e-02, -9.71679688e-02, -2.08007812e-01,  2.92968750e-01,
        -4.97436523e-03, -2.61718750e-01, -1.46484375e-01, -1.13281250e-01,
        -2.46582031e-02, -1.19628906e-01, -1.02539062e-01, -2.08984375e-01,
        -4.54101562e-02,  1.97265625e-01,  2.09960938e-01,  1.03515625e-01,
         6.54296875e-02, -2.53906250e-01, -8.85009766e-03,  9.52148438e-03,
        -1.10839844e-01,  1.67968750e-01,  2.33154297e-02, -1.68945312e-01,
         7.17773438e-02, -3.51562500e-02, -2.53906250e-01,  2.11914062e-01,
         1.38671875e-01, -3.41796875e-02, -6.44531250e-02,  3.90625000e-02,
         6.21795654e-04,  9.33837891e-03, -1.42578125e-01, -1.73828125e-01,
         3.16406250e-01,  9.91210938e-02,  3.14453125e-01, -9.61914062e-02,
         2.24609375e-02,  3.80859375e-01,  2.64892578e-02, -2.29492188e-01,
         1.30859375e-01,  8.88671875e-02, -4.00390625e-02,  4.46319580e-04,
         9.17968750e-02,  1.40625000e-01,  2.80761719e-02,  9.52148438e-02,
        -4.32128906e-02, -5.34667969e-02,  1.38549805e-02, -1.71875000e-01,
        -4.71191406e-02,  9.32617188e-02, -1.64062500e-01, -2.31445312e-01,
        -3.09753418e-03, -6.00585938e-02, -7.47070312e-02,  1.87500000e-01,
        -1.49414062e-01, -5.12695312e-02,  2.00195312e-01, -6.78710938e-02,
        -2.53906250e-01,  4.98046875e-02,  4.22363281e-02, -2.03125000e-01,
         6.34765625e-02, -3.53515625e-01, -1.06445312e-01,  1.28906250e-01,
         1.06933594e-01,  2.92968750e-01, -1.11816406e-01, -4.29687500e-01,
        -7.91015625e-02, -1.24023438e-01, -7.62939453e-03,  2.96875000e-01,
         3.47656250e-01,  2.87109375e-01, -4.22363281e-02,  1.07421875e-01,
        -2.07031250e-01, -5.93261719e-02,  5.83496094e-02,  3.75000000e-01,
        -1.33789062e-01,  1.25976562e-01,  2.36816406e-02,  1.68457031e-02,
         1.00585938e-01,  1.27929688e-01,  1.69921875e-01, -9.86328125e-02,
        -2.57568359e-02,  1.45507812e-01, -1.03515625e-01,  1.84570312e-01,
         1.34765625e-01,  1.48437500e-01, -8.25195312e-02,  2.26562500e-01,
        -3.00292969e-02, -2.39257812e-02, -2.23632812e-01, -1.13281250e-0
1],
       dtype=float32),
 'accommodation': array([-0.12207031, -0.10888672, -0.03125   ,  0.1118164
1, -0.09082031,
        -0.09863281, -0.01794434, -0.19824219,  0.03442383, -0.28320312,
         0.06347656, -0.00209045,  0.04125977,  0.04199219,  0.10986328,
         0.07519531,  0.16210938, -0.18945312,  0.19433594, -0.28125   ,
         0.22265625, -0.18847656,  0.19726562,  0.08544922, -0.08496094,
        -0.00390625, -0.20019531,  0.07763672,  0.07763672, -0.22753906,
         0.01428223, -0.21191406, -0.12207031,  0.34570312,  0.05957031,
        -0.2421875 , -0.10253906, -0.04638672, -0.24511719, -0.32617188,
        -0.26757812, -0.02770996,  0.0559082 ,  0.34765625, -0.00823975,
        -0.2578125 ,  0.17089844, -0.203125  , -0.36523438, -0.14648438,
         0.30078125, -0.06542969,  0.0390625 ,  0.00549316, -0.13378906,
        -0.46875   , -0.16503906,  0.09960938, -0.13574219, -0.08544922,
        -0.13867188,  0.18261719, -0.08007812, -0.24902344, -0.14746094,
        -0.30859375, -0.26171875, -0.16796875,  0.20703125,  0.22558594,
        -0.16699219, -0.00424194,  0.27929688,  0.17773438,  0.02746582,
```

```
        -0.08886719, -0.04467773,  0.1171875 , -0.03063965,  0.12060547,
        -0.03540039,  0.05664062, -0.5234375 ,  0.22363281, -0.02319336,
        -0.09228516, -0.04614258,  0.01196289,  0.14941406,  0.10253906,
         0.34765625, -0.19042969, -0.17773438, -0.20605469,  0.19140625,
        -0.11132812,  0.18457031, -0.1640625 ,  0.21679688, -0.45898438,
         0.02612305,  0.16015625,  0.36914062,  0.14355469,  0.02160645,
         0.00210571,  0.34179688, -0.1640625 , -0.06982422, -0.05712891,
        -0.38867188, -0.08154297,  0.26171875,  0.09179688, -0.09912109,
         0.03466797,  0.24511719, -0.30859375,  0.03149414,  0.2734375 ,
        -0.296875  ,  0.11621094,  0.04248047,  0.05932617, -0.07128906,
         0.0625    , -0.12402344, -0.328125  , -0.02648926, -0.04492188,
         0.1015625 ,  0.06640625, -0.0234375 ,  0.10791016, -0.36132812,
        -0.01037598, -0.05371094,  0.06176758, -0.09619141,  0.45507812,
         0.06103516,  0.04711914,  0.18945312,  0.13964844,  0.05029297,
        -0.24121094, -0.30273438,  0.20800781, -0.24023438,  0.05541992,
         0.02905273,  0.03613281,  0.18554688, -0.34375   ,  0.26171875,
        -0.2578125 ,  0.08740234, -0.04467773, -0.29101562, -0.39453125,
         0.01330566,  0.16308594,  0.07177734, -0.04223633, -0.1171875 ,
         0.05664062, -0.02880859,  0.08251953, -0.26757812, -0.00123596,
        -0.34765625,  0.13671875,  0.28515625, -0.17773438,  0.03710938,
        -0.11035156,  0.34570312, -0.17675781, -0.09667969,  0.34179688,
        -0.171875  , -0.04516602, -0.13183594, -0.22949219,  0.11376953,
        -0.30859375,  0.01123047, -0.05224609,  0.203125  , -0.05322266,
        -0.12255859, -0.03222656,  0.09960938,  0.25390625, -0.2578125 ,
         0.16015625, -0.04931641, -0.02709961, -0.06396484, -0.22070312,
         0.15625   ,  0.17773438, -0.10888672, -0.41601562, -0.17578125,
        -0.1640625 , -0.08544922, -0.10742188,  0.4296875 ,  0.1875    ,
         0.12597656, -0.34960938, -0.00933838,  0.06787109, -0.07666016,
        -0.06347656,  0.21875   ,  0.30859375, -0.25976562, -0.01501465,
         0.3203125 , -0.09228516,  0.19824219,  0.15820312, -0.23046875,
         0.3125    ,  0.16699219, -0.06152344, -0.3046875 ,  0.0324707 ,
         0.03271484, -0.27539062,  0.07714844, -0.08447266, -0.03039551,
        -0.04785156,  0.22460938, -0.01757812, -0.05712891,  0.17578125,
         0.10107422,  0.13671875,  0.23046875,  0.0111084 ,  0.02197266,
         0.15625   , -0.17285156, -0.03808594, -0.42578125, -0.03710938,
         0.26757812,  0.24316406, -0.0168457 ,  0.36328125, -0.08544922,
         0.1796875 ,  0.01348877,  0.1484375 ,  0.00695801,  0.01831055,
         0.27929688,  0.06738281, -0.21679688,  0.21582031,  0.09082031,
        -0.171875  ,  0.19433594, -0.20800781, -0.06640625,  0.05126953,
        -0.0402832 ,  0.31445312,  0.23535156,  0.02197266,  0.13476562,
        -0.078125  ,  0.01611328, -0.3828125 ,  0.16210938, -0.14941406,
        -0.0267334 , -0.17089844,  0.17578125, -0.15039062,  0.28710938,
         0.34375   , -0.05444336,  0.17285156, -0.05810547,  0.3515625 ,
        -0.3359375 ,  0.08740234,  0.00144196,  0.16992188, -0.078125  ,
         0.04321289, -0.03759766,  0.03759766,  0.0100708 ,  0.0378418 ],
       dtype=float32),
 'may': array([ 5.98144531e-02,  2.38037109e-02,  6.73828125e-02,  3.164062
50e-01,
        -1.89453125e-01,  1.64794922e-02,  1.53320312e-01,  2.52685547e-02,
         1.07910156e-01, -1.75781250e-02, -1.07421875e-01, -4.29687500e-02,
        -1.09863281e-01,  6.13403320e-03,  3.12500000e-02, -5.32226562e-02,
         6.93359375e-02,  2.04101562e-01,  2.35595703e-02, -9.03320312e-02,
        -7.03125000e-02, -6.64062500e-02,  7.27539062e-02, -4.80957031e-02,
         6.10351562e-03, -1.19628906e-01, -1.30859375e-01,  8.10546875e-02,
        -1.26953125e-01,  1.60156250e-01,  6.22558594e-02,  1.08642578e-02,
        -3.11279297e-02,  8.23974609e-03, -1.00585938e-01, -9.99450684e-04,
         1.35742188e-01, -6.07910156e-02,  1.42211914e-02, -1.40625000e-01,
         6.78710938e-02, -6.25000000e-02,  9.42382812e-02, -9.61914062e-02,
         1.10839844e-01, -1.97753906e-02, -2.31933594e-03,  1.75781250e-01,
         3.56445312e-02, -3.06640625e-01, -1.34765625e-01,  1.23046875e-01,
        -7.86132812e-02,  9.17968750e-02,  1.63085938e-01,  1.99218750e-01,
         1.38671875e-01, -9.96093750e-02,  1.60156250e-01,  9.32617188e-02,
        -5.24902344e-02,  1.44531250e-01, -1.88476562e-01,  6.17675781e-02,
        -1.41601562e-01, -2.94189453e-02,  1.04980469e-01,  2.44140625e-01,
```

```
        -2.20947266e-02, -7.86132812e-02,  7.32421875e-02,  6.93359375e-02,
         6.29882812e-02,  4.27246094e-02, -1.70898438e-01, -4.56542969e-02,
         1.77734375e-01,  2.65625000e-01,  3.73535156e-02,  7.47070312e-02,
         8.83789062e-02, -9.17968750e-02,  8.34960938e-02,  5.46875000e-02,
        -1.01562500e-01,  1.15234375e-01, -3.58886719e-02,  1.05468750e-01,
         1.37695312e-01, -4.71191406e-02,  2.09960938e-01, -4.63867188e-02,
        -4.49218750e-02, -2.16796875e-01,  1.50390625e-01, -8.05664062e-02,
         6.17675781e-02,  9.91210938e-02,  5.39550781e-02,  1.75781250e-01,
         1.09375000e-01, -1.09863281e-01, -3.90625000e-02,  5.61523438e-02,
        -5.00488281e-02,  8.39843750e-02, -7.75146484e-03, -7.95898438e-02,
         1.62109375e-01,  1.70898438e-02, -1.90429688e-01,  4.88281250e-03,
         2.50244141e-02,  3.32031250e-02,  7.51953125e-02, -2.50244141e-02,
         2.52685547e-02,  1.05468750e-01,  2.16796875e-01,  1.00585938e-01,
         9.52148438e-02,  1.28906250e-01, -1.12792969e-01, -4.66308594e-02,
        -1.61132812e-01,  1.72119141e-02, -9.71679688e-02, -3.44238281e-02,
        -1.53198242e-02,  5.49316406e-03, -9.39941406e-03, -1.25000000e-01,
        -9.81445312e-02, -5.63964844e-02, -7.47070312e-02, -2.05078125e-01,
         1.32812500e-01, -1.54296875e-01,  1.42211914e-02,  1.11816406e-01,
        -4.33349609e-03, -2.07031250e-01,  7.17773438e-02,  2.62451172e-02,
         2.46093750e-01, -5.34667969e-02,  6.00585938e-02, -7.17773438e-02,
        -2.41699219e-02, -1.07910156e-01,  1.32446289e-02, -6.73828125e-02,
         2.45361328e-02, -8.54492188e-02,  5.71289062e-02, -1.90429688e-02,
         4.00390625e-02,  4.66308594e-02, -1.78710938e-01,  5.93261719e-02,
         1.20117188e-01,  1.18652344e-01, -4.93164062e-02,  3.27148438e-02,
        -1.51977539e-02, -1.41601562e-01,  4.73632812e-02,  7.12890625e-02,
         6.17675781e-02,  3.05175781e-02, -4.71191406e-02, -4.66308594e-02,
        -1.87500000e-01, -9.57031250e-02,  6.03027344e-02, -1.40625000e-01,
        -8.88671875e-02,  3.39355469e-02, -1.36108398e-02, -1.31835938e-02,
        -1.77383423e-04,  5.12695312e-02, -4.85839844e-02, -2.80761719e-02,
        -5.85937500e-02, -1.16210938e-01, -1.40625000e-01,  9.64355469e-03,
         2.67578125e-01,  1.66015625e-01,  1.30859375e-01,  6.39648438e-02,
        -1.20605469e-01, -1.92871094e-02,  3.88183594e-02,  8.93554688e-02,
        -7.95898438e-02, -1.20117188e-01, -3.33786011e-04, -2.34375000e-01,
         2.36328125e-01, -4.76074219e-02, -2.61718750e-01, -2.20947266e-02,
        -1.05468750e-01,  2.28271484e-02, -4.24804688e-02,  5.85937500e-02,
         8.44726562e-02, -2.06298828e-02, -3.02734375e-01, -9.03320312e-03,
        -5.78613281e-02,  1.81640625e-01, -1.22558594e-01, -1.23291016e-02,
         2.26562500e-01, -2.11914062e-01, -9.66796875e-02, -3.36914062e-02,
        -1.11694336e-02, -1.99218750e-01, -1.73828125e-01, -1.97265625e-01,
        -1.25732422e-02, -7.56835938e-02,  1.02539062e-01,  5.02929688e-02,
        -1.60156250e-01,  1.43554688e-01, -1.34277344e-02,  3.86047363e-03,
         9.27734375e-02,  7.51953125e-02,  9.91210938e-02, -1.17187500e-02,
         1.03027344e-01, -1.86523438e-01, -2.81982422e-02,  6.05468750e-02,
         9.32617188e-02, -1.49536133e-02,  2.96875000e-01, -2.03125000e-01,
         3.85742188e-02,  4.97436523e-03,  4.44335938e-02,  8.05664062e-03,
         1.16699219e-01, -2.52685547e-02, -9.76562500e-02, -5.05371094e-02,
         2.05078125e-01,  3.08837891e-02,  6.64062500e-02,  5.71289062e-02,
         2.13867188e-01,  2.65625000e-01, -7.81250000e-02,  1.13281250e-01,
         3.46679688e-02, -5.15136719e-02, -1.91406250e-01,  2.14843750e-01,
         1.03515625e-01,  1.71875000e-01, -1.32812500e-01, -4.68750000e-02,
         8.59375000e-02, -1.29882812e-01,  2.61718750e-01,  7.91015625e-02,
         2.20703125e-01,  8.49609375e-02,  1.63574219e-02,  7.17773438e-02,
         2.75878906e-02,  3.32031250e-02,  4.85839844e-02,  4.00390625e-02,
        -4.66918945e-03, -1.13769531e-01, -3.56445312e-02, -1.43554688e-01,
        -4.37011719e-02, -3.12500000e-02,  1.15356445e-02, -7.11059570e-03,
         4.83398438e-02,  1.17797852e-02, -1.09863281e-01, -6.44531250e-02,
         5.34667969e-02,  1.10839844e-01,  2.08007812e-01,  1.57226562e-01,
         6.15234375e-02, -1.09863281e-01, -8.72802734e-03,  3.71093750e-0
2],
       dtype=float32),
 'made': array([-5.59082031e-02,  1.17675781e-01,  2.10937500e-01,  8.36181
641e-03,
         7.27539062e-02, -3.12500000e-01, -2.91748047e-02,  1.13677979e-03,
         3.16406250e-01,  7.37304688e-02,  5.12695312e-03, -1.58203125e-01,
```

```
-1.50390625e-01,  2.27539062e-01,  1.03027344e-01, -8.15429688e-02,
 2.46093750e-01,  3.07617188e-02,  4.37011719e-02,  1.78710938e-01,
-7.22656250e-02,  1.10839844e-01,  7.51953125e-02,  1.25976562e-01,
-1.10473633e-02, -2.06054688e-01, -2.04101562e-01,  4.12597656e-02,
-1.35742188e-01,  1.80664062e-01,  1.58203125e-01, -1.23046875e-01,
 1.06201172e-02,  3.78417969e-02,  2.07519531e-02,  1.42669678e-03,
 1.34765625e-01,  6.83593750e-02,  1.04003906e-01, -1.96533203e-02,
 9.37500000e-02, -6.54296875e-02,  1.44531250e-01, -1.14257812e-01,
 2.50000000e-01, -9.03320312e-02, -4.98046875e-02, -4.63867188e-02,
-2.90527344e-02, -1.84570312e-01,  7.47070312e-02, -4.41894531e-02,
 1.10473633e-02, -8.05664062e-02, -1.65039062e-01,  2.50000000e-01,
-3.08837891e-02, -6.64062500e-02, -8.36181641e-03,  2.50244141e-02,
-1.53320312e-01,  2.22656250e-01,  8.88671875e-02, -1.40625000e-01,
-1.89453125e-01,  9.08203125e-02, -8.20312500e-02,  2.08984375e-01,
-4.68750000e-02, -2.22167969e-02,  2.96630859e-02, -6.25000000e-02,
-1.30859375e-01, -3.17382812e-03, -1.69921875e-01,  8.17871094e-03,
 2.13867188e-01,  1.35742188e-01, -9.15527344e-03,  5.15747070e-03,
 5.34667969e-02, -2.38281250e-01,  6.25000000e-02, -1.52343750e-01,
 9.22851562e-02, -2.06054688e-01,  1.73828125e-01,  3.36914062e-02,
 8.69140625e-02,  3.10058594e-02,  1.66992188e-01,  2.41699219e-02,
 1.04492188e-01,  1.04003906e-01, -3.24707031e-02, -3.26171875e-01,
-1.98242188e-01,  6.88476562e-02,  2.16796875e-01,  5.05371094e-02,
 1.23046875e-01,  1.23901367e-02, -1.05957031e-01,  1.94335938e-01,
-7.81250000e-02, -5.12695312e-02,  9.32617188e-02, -6.29882812e-02,
-6.39648438e-02, -5.56640625e-02, -2.21679688e-01, -9.88769531e-03,
 5.46875000e-02,  1.26953125e-01,  1.18164062e-01, -1.37329102e-02,
 1.56250000e-01,  2.16674805e-03,  7.95898438e-02,  7.56835938e-02,
 6.93359375e-02,  2.20703125e-01,  2.83203125e-02,  2.13867188e-01,
-7.91015625e-02, -9.17968750e-02,  5.61523438e-02, -1.61132812e-01,
 6.01196289e-03, -1.17187500e-01, -1.80664062e-01, -1.78710938e-01,
-3.41796875e-02,  2.06054688e-01, -1.67236328e-02, -2.61230469e-02,
-8.20312500e-02, -2.94189453e-02, -6.83593750e-02, -1.22070312e-01,
 4.22363281e-02, -6.34765625e-02,  7.35473633e-03, -4.00390625e-02,
-1.81884766e-02,  3.57421875e-01,  1.49414062e-01, -1.33789062e-01,
 4.85839844e-02,  1.56250000e-01,  3.93066406e-02, -7.42187500e-02,
 1.10473633e-02, -1.09863281e-01, -4.78515625e-02,  1.46484375e-03,
 1.96533203e-02,  3.88183594e-02,  2.94494629e-03, -8.69140625e-02,
-9.94873047e-03, -8.54492188e-03,  4.90722656e-02, -7.47070312e-02,
-1.25885010e-03, -1.99218750e-01, -7.20214844e-03,  1.22558594e-01,
 2.16796875e-01, -3.51562500e-02, -6.25000000e-02, -2.00195312e-02,
-1.47705078e-02, -2.27539062e-01, -9.32617188e-02, -7.17773438e-02,
-6.73828125e-02, -8.78906250e-02,  3.88183594e-02,  1.32812500e-01,
 8.49609375e-02, -1.51367188e-01,  5.24902344e-02,  1.72851562e-01,
-1.69921875e-01, -1.32812500e-01, -2.36328125e-01, -7.81250000e-02,
-9.61914062e-02, -1.29882812e-01,  2.02148438e-01, -1.19628906e-01,
 4.49218750e-02, -9.57489014e-04, -2.65625000e-01,  1.19628906e-01,
 4.78515625e-02, -1.34765625e-01, -2.40234375e-01, -7.12890625e-02,
 1.35742188e-01, -1.15234375e-01, -9.76562500e-02,  1.32812500e-01,
 3.08837891e-02, -1.22070312e-01,  5.50746918e-05,  5.70678711e-03,
 1.86523438e-01,  3.56445312e-02, -1.17187500e-02,  6.00585938e-02,
 1.32812500e-01,  1.03515625e-01, -2.73132324e-03,  3.68652344e-02,
 1.69921875e-01,  1.39648438e-01, -4.46777344e-02,  6.05468750e-02,
 1.26953125e-01,  1.06933594e-01, -1.44531250e-01,  1.68457031e-02,
 1.07910156e-01,  4.93164062e-02, -1.31835938e-01, -1.05590820e-02,
-9.42382812e-02,  2.03857422e-02,  2.79296875e-01, -8.72802734e-03,
 1.59179688e-01, -6.20117188e-02,  1.11816406e-01, -1.16699219e-01,
 2.04101562e-01, -1.71875000e-01, -3.75976562e-02, -5.73730469e-02,
 2.99072266e-02,  5.34667969e-02,  1.33056641e-02,  1.12792969e-01,
 2.87109375e-01, -3.83300781e-02, -1.97753906e-02, -1.84326172e-02,
-4.15039062e-03, -1.63085938e-01,  7.12890625e-02,  5.24902344e-02,
 2.89062500e-01,  1.21093750e-01,  2.37304688e-01,  1.12792969e-01,
 1.55273438e-01,  1.73828125e-01, -1.15234375e-01, -1.36718750e-01,
-7.61718750e-02,  5.02929688e-02,  1.04980469e-01, -1.50390625e-01,
 1.74804688e-01, -3.19824219e-02,  5.12695312e-02, -2.79296875e-01,
```

```
        -9.94873047e-03, -2.10937500e-01,  2.28515625e-01,  1.19628906e-01,
         2.07519531e-02, -4.85229492e-03,  2.24609375e-01,  3.36914062e-02,
        -1.57226562e-01, -3.51562500e-02,  7.61718750e-02, -9.32617188e-02,
         8.36181641e-03, -1.16210938e-01, -9.22851562e-02,  1.27929688e-01,
        -1.18164062e-01,  1.07421875e-01, -2.09960938e-02, -1.25976562e-01,
         1.75781250e-02,  2.16064453e-02, -2.69531250e-01, -6.25000000e-02,
        -1.33789062e-01, -1.91650391e-02, -1.16699219e-01, -4.07714844e-02,
         1.33789062e-01, -4.27246094e-02,  1.47460938e-01, -1.82617188e-0
1],
       dtype=float32),
 'enable': array([-2.57812500e-01,  2.66113281e-02,  6.07910156e-02, -9.472
65625e-02,
        -1.85546875e-02, -9.57031250e-02,  2.22656250e-01,  1.89453125e-01,
         1.52343750e-01, -2.17773438e-01, -1.23535156e-01, -1.14746094e-02,
        -6.00585938e-02,  2.57812500e-01,  5.29785156e-02, -2.61230469e-02,
        -1.41601562e-01,  5.68847656e-02, -1.23046875e-01,  1.20117188e-01,
        -7.17163086e-03, -2.16796875e-01,  1.58691406e-02,  1.51367188e-01,
        -4.24804688e-02, -9.57031250e-02, -8.39843750e-02,  3.10058594e-02,
         5.68847656e-02, -6.15234375e-02,  2.27539062e-01, -2.45361328e-02,
         3.90625000e-02, -1.21582031e-01, -8.74023438e-02, -9.58251953e-03,
         3.14941406e-02, -1.28906250e-01,  7.61718750e-02, -9.66796875e-02,
        -5.59082031e-02,  1.68945312e-01,  3.02734375e-01,  1.01074219e-01,
        -8.39843750e-02, -4.47265625e-01, -6.15234375e-02,  5.34057617e-03,
         5.12695312e-02,  8.78906250e-03, -9.70458984e-03, -2.07519531e-03,
        -1.41143799e-04, -2.33398438e-01, -9.71679688e-02,  1.61132812e-01,
        -2.03125000e-01, -1.43554688e-01,  2.28515625e-01, -1.10351562e-01,
        -3.82995605e-03, -2.08007812e-01, -2.67578125e-01, -6.43920898e-03,
        -7.27539062e-02,  1.53320312e-01, -2.47070312e-01,  4.33593750e-01,
         3.85742188e-02, -5.32226562e-02, -1.84326172e-02,  1.14746094e-01,
         3.33984375e-01,  1.01562500e-01,  5.49316406e-02, -4.12109375e-01,
         3.32031250e-01,  1.95312500e-01,  6.25000000e-02, -2.06054688e-01,
        -5.88378906e-02,  1.38671875e-01, -8.83789062e-02,  1.94091797e-02,
         3.12500000e-02,  7.93457031e-03, -2.81250000e-01, -2.85156250e-01,
        -1.50390625e-01,  1.66992188e-01,  7.95898438e-02, -7.86132812e-02,
        -1.03027344e-01, -2.53906250e-01,  4.61425781e-02, -2.33398438e-01,
        -1.98242188e-01,  1.39648438e-01,  1.66015625e-01, -2.60009766e-02,
         2.03125000e-01, -1.35742188e-01, -5.34667969e-02,  2.92968750e-02,
        -3.00781250e-01,  1.20117188e-01, -1.40625000e-01,  1.00585938e-01,
        -7.29370117e-03,  1.66992188e-01, -2.11914062e-01, -7.32421875e-02,
        -1.89453125e-01, -1.70898438e-01,  2.12890625e-01,  2.02148438e-01,
        -9.61914062e-02,  9.37500000e-02,  1.38671875e-01, -1.01562500e-01,
         1.47460938e-01,  8.20312500e-02,  9.32617188e-02, -9.71679688e-02,
        -5.34667969e-02, -1.06933594e-01, -3.59375000e-01, -2.04101562e-01,
         1.73187256e-03,  1.86523438e-01,  1.60156250e-01,  2.41210938e-01,
         8.30078125e-02, -7.08007812e-02,  2.79541016e-02, -1.04492188e-01,
         2.50000000e-01,  5.95703125e-02,  6.15234375e-02, -2.90527344e-02,
         8.54492188e-02, -8.98437500e-02, -1.87500000e-01,  5.68847656e-02,
         7.76367188e-02,  2.35595703e-02,  1.06811523e-02, -3.18359375e-01,
         6.34765625e-02, -1.53320312e-01,  6.12792969e-02,  1.66992188e-01,
        -2.56347656e-02, -4.10156250e-02,  1.12304688e-01, -9.47265625e-02,
        -6.05468750e-02,  3.30078125e-01, -4.02343750e-01, -3.59375000e-01,
         1.53320312e-01, -5.95703125e-02, -1.25000000e-01, -1.03027344e-01,
         8.93554688e-02, -7.08007812e-02, -1.87988281e-02, -5.34667969e-02,
        -5.88378906e-02, -1.76757812e-01,  2.13623047e-03, -5.59082031e-02,
        -7.08007812e-02, -6.78710938e-02,  1.87500000e-01, -1.15234375e-01,
         8.20312500e-02, -1.19140625e-01, -2.13867188e-01,  2.24609375e-01,
        -2.87109375e-01, -7.51953125e-02,  4.37011719e-02, -1.01562500e-01,
        -2.92968750e-01, -1.57470703e-02, -1.14746094e-01, -8.88671875e-02,
         2.47070312e-01, -1.41601562e-01, -1.85546875e-01, -6.39648438e-02,
         1.11816406e-01, -5.15136719e-02, -7.42187500e-02,  1.21093750e-01,
         1.33789062e-01, -1.01562500e-01, -7.44628906e-03, -2.26562500e-01,
         1.75781250e-01,  4.24804688e-02, -2.07519531e-03, -6.17675781e-02,
        -8.93554688e-02, -3.78417969e-02,  4.51660156e-02,  8.74023438e-02,
         9.27734375e-02, -2.05078125e-01, -1.26953125e-01,  6.78710938e-02,
```

```
         1.66992188e-01,  2.98828125e-01,  1.72851562e-01, -2.12890625e-01,
         2.71484375e-01,  2.02148438e-01, -8.05664062e-02,  1.48437500e-01,
        -1.44042969e-02, -2.92968750e-02, -9.52148438e-02, -1.56250000e-02,
        -1.74804688e-01,  1.34887695e-02, -7.22656250e-02, -1.57226562e-01,
         3.22265625e-02, -1.12792969e-01,  1.29882812e-01,  2.80761719e-02,
         1.88476562e-01,  3.24707031e-02,  1.84570312e-01,  5.07812500e-02,
        -2.39257812e-01,  1.50390625e-01,  9.66796875e-02,  2.07031250e-01,
        -2.44140625e-01,  1.77001953e-02,  1.65039062e-01, -3.23486328e-03,
        -1.80664062e-02, -7.66601562e-02, -9.57031250e-02,  3.43750000e-01,
         1.56250000e-01, -1.64062500e-01,  1.68945312e-01,  4.73632812e-02,
        -4.32128906e-02,  2.67578125e-01,  3.12500000e-02,  1.22558594e-01,
        -2.38037109e-02, -2.84423828e-02, -3.00781250e-01, -1.25000000e-01,
         7.32421875e-02, -7.03125000e-02, -2.27050781e-02,  2.14843750e-01,
         1.81884766e-02, -1.59912109e-02,  1.31835938e-01, -3.32031250e-02,
        -1.38671875e-01,  3.49121094e-02,  2.63671875e-01,  6.64062500e-02,
        -1.43554688e-01,  1.96533203e-02,  2.17773438e-01, -5.41992188e-02,
        -7.20977783e-04,  9.08203125e-02, -6.20117188e-02,  1.06933594e-01,
        -2.41210938e-01,  6.83593750e-02,  6.00585938e-02,  2.81250000e-01,
        -1.03515625e-01,  9.47265625e-02, -6.62231445e-03, -8.25195312e-02,
         1.50390625e-01,  3.75976562e-02, -2.11914062e-01,  3.49609375e-01,
        -1.57226562e-01, -7.42187500e-02,  4.80957031e-02,  2.06054688e-01,
        -4.32128906e-02, -6.20117188e-02, -4.58984375e-02,  1.36718750e-0
1],
       dtype=float32),
 'disability': array([ 0.19726562, -0.1484375 , -0.15820312,  0.1875    ,
0.15820312,
        -0.07373047,  0.16308594,  0.08398438,  0.1640625 , -0.16796875,
         0.43164062,  0.00427246, -0.3671875 ,  0.04296875,  0.19824219,
        -0.08105469,  0.26953125,  0.18164062, -0.07177734, -0.21972656,
        -0.09570312, -0.13378906,  0.1953125 ,  0.09033203, -0.0168457 ,
        -0.328125  , -0.06494141, -0.01055908, -0.22753906, -0.17675781,
        -0.29492188,  0.05615234, -0.17382812, -0.18847656, -0.14257812,
        -0.19628906,  0.15722656,  0.10839844, -0.21777344, -0.30078125,
        -0.49023438,  0.12792969,  0.04760742,  0.18945312, -0.12890625,
        -0.20996094, -0.08007812, -0.29101562, -0.22753906,  0.03955078,
        -0.00427246, -0.25390625, -0.42773438,  0.23730469,  0.11669922,
        -0.03320312, -0.40625   , -0.08349609, -0.17089844, -0.12304688,
        -0.02416992,  0.20019531,  0.03466797, -0.23535156,  0.00558472,
         0.03491211, -0.14648438,  0.1875    , -0.109375  ,  0.09033203,
        -0.17480469, -0.15332031,  0.00634766,  0.07910156, -0.12792969,
        -0.13867188, -0.03088379, -0.05175781, -0.15625   ,  0.30078125,
         0.19628906, -0.15429688, -0.24804688,  0.44921875, -0.11083984,
        -0.05639648, -0.29882812,  0.15722656, -0.06884766, -0.26757812,
         0.00958252, -0.11767578,  0.05029297, -0.16113281,  0.08691406,
        -0.08447266,  0.30273438, -0.125     ,  0.27148438, -0.12792969,
         0.09082031,  0.04272461,  0.08789062,  0.22265625, -0.05688477,
        -0.12255859,  0.11279297, -0.21484375,  0.09765625, -0.15429688,
        -0.19726562, -0.1484375 ,  0.05566406,  0.15039062, -0.14648438,
         0.15527344, -0.31054688, -0.25585938,  0.02587891,  0.2109375 ,
        -0.36328125,  0.17773438, -0.06079102, -0.05786133,  0.03588867,
        -0.02282715,  0.13476562,  0.11767578, -0.21289062,  0.17675781,
         0.3203125 , -0.2890625 , -0.6328125 , -0.25390625, -0.375     ,
        -0.12890625, -0.31445312,  0.08398438, -0.19335938,  0.18554688,
         0.11474609,  0.06738281, -0.29882812,  0.45703125, -0.12988281,
        -0.359375  , -0.45507812, -0.02038574, -0.11572266,  0.23632812,
         0.08496094,  0.0111084 ,  0.01867676,  0.14550781, -0.13867188,
         0.0088501 , -0.09521484, -0.17089844, -0.06884766, -0.27734375,
         0.10693359,  0.25390625,  0.01452637,  0.11474609, -0.06347656,
        -0.11962891, -0.06787109, -0.0177002 ,  0.05224609,  0.30078125,
         0.21972656, -0.29492188, -0.09765625, -0.17578125, -0.16210938,
         0.02770996,  0.08544922, -0.23730469, -0.07666016,  0.18066406,
        -0.15429688, -0.10351562, -0.03515625,  0.01818848, -0.03344727,
         0.16699219, -0.07568359,  0.21386719,  0.04272461, -0.01031494,
         0.14257812, -0.0246582 , -0.47460938, -0.09765625,  0.31835938,
```

```
         0.14648438,  0.02734375, -0.11523438, -0.10644531,  0.0009613 ,
        -0.4765625 , -0.04736328, -0.14550781,  0.01208496,  0.0625    ,
        -0.17773438, -0.24316406, -0.05712891,  0.21289062, -0.11035156,
        -0.04321289, -0.00634766, -0.06347656,  0.11572266,  0.11328125,
        -0.16601562, -0.01745605,  0.26367188, -0.24804688, -0.40039062,
        -0.06884766, -0.28125   ,  0.21386719, -0.24511719, -0.10351562,
        -0.12792969,  0.06787109, -0.15136719, -0.22265625, -0.14355469,
         0.25195312, -0.0144043 ,  0.04760742, -0.17089844, -0.32421875,
        -0.22167969,  0.07519531, -0.05297852,  0.13574219, -0.01757812,
         0.09765625, -0.3046875 ,  0.23046875, -0.06054688, -0.11474609,
         0.3828125 ,  0.08886719,  0.00558472, -0.07910156, -0.484375  ,
        -0.03271484, -0.3515625 , -0.11816406, -0.04956055, -0.07519531,
         0.00842285,  0.01831055,  0.14160156, -0.03063965,  0.36523438,
         0.00799561, -0.05737305, -0.14550781,  0.16015625,  0.10205078,
         0.00361633,  0.31445312,  0.05566406, -0.14550781, -0.25585938,
        -0.23535156,  0.40234375,  0.11767578, -0.01928711,  0.08447266,
        -0.16113281, -0.08154297, -0.04541016, -0.05859375,  0.14355469,
        -0.05957031, -0.13867188, -0.10498047,  0.22070312, -0.28320312,
        -0.06884766,  0.03173828, -0.17382812,  0.14648438,  0.21777344,
         0.27148438,  0.09960938, -0.33789062, -0.12597656, -0.31445312,
         0.09326172,  0.08837891,  0.33398438, -0.00112152, -0.10400391],
       dtype=float32),
 'performing': array([-0.06933594,  0.14453125, -0.0267334 ,  0.03222656, -
0.18847656,
         0.10986328, -0.16894531, -0.07324219,  0.23242188, -0.06835938,
         0.04907227, -0.06494141,  0.05126953,  0.17089844, -0.19824219,
         0.07275391, -0.09570312, -0.09082031, -0.11523438, -0.19628906,
         0.16699219, -0.1484375 , -0.28125   , -0.08837891, -0.11767578,
        -0.05395508, -0.12988281, -0.18066406, -0.13378906,  0.06640625,
         0.00250244,  0.06933594,  0.12451172, -0.05932617,  0.13085938,
        -0.02319336,  0.13085938, -0.02966309,  0.13574219, -0.08789062,
         0.08300781,  0.23046875, -0.00909424,  0.1015625 ,  0.08300781,
         0.02648926, -0.13574219, -0.03686523, -0.08105469,  0.03393555,
         0.04077148,  0.04516602, -0.05883789,  0.171875  ,  0.07324219,
         0.02819824,  0.06396484, -0.06738281,  0.11572266,  0.30078125,
         0.15722656,  0.12597656, -0.17773438, -0.15234375,  0.26367188,
        -0.0078125 , -0.16699219,  0.02832031,  0.17675781, -0.13964844,
         0.0859375 , -0.28320312,  0.25976562,  0.2734375 ,  0.10400391,
        -0.08935547, -0.02539062, -0.25195312, -0.06640625, -0.03540039,
        -0.07177734,  0.02209473,  0.10449219,  0.17675781, -0.01452637,
        -0.10009766, -0.04418945, -0.07324219,  0.01379395,  0.2578125 ,
        -0.00933838, -0.14746094,  0.06738281,  0.06738281, -0.01733398,
         0.01013184,  0.21875   , -0.11132812, -0.20507812, -0.29101562,
        -0.10888672, -0.1015625 ,  0.19921875, -0.14160156, -0.29492188,
        -0.2890625 , -0.01818848, -0.296875  ,  0.00488281, -0.02746582,
        -0.125     ,  0.06103516, -0.05004883, -0.02624512, -0.21386719,
        -0.03588867,  0.00848389, -0.19140625,  0.09570312, -0.23535156,
         0.14257812, -0.01043701, -0.12402344, -0.04101562,  0.20996094,
         0.05957031, -0.11865234, -0.09228516,  0.02722168, -0.09082031,
        -0.22363281, -0.13574219,  0.03198242, -0.16210938, -0.01843262,
        -0.23535156,  0.19042969, -0.24707031, -0.19238281,  0.12792969,
        -0.11376953, -0.26953125, -0.25976562,  0.16503906, -0.05712891,
         0.05126953,  0.00185394,  0.02038574,  0.03588867,  0.09863281,
        -0.05395508,  0.15722656, -0.02319336,  0.19238281, -0.28515625,
        -0.09716797, -0.27929688, -0.265625  ,  0.08789062, -0.17480469,
        -0.03979492,  0.1484375 ,  0.03637695,  0.31054688, -0.04418945,
        -0.20800781,  0.02124023, -0.265625  , -0.19628906, -0.31445312,
        -0.27148438, -0.2109375 ,  0.05419922, -0.21972656, -0.03491211,
        -0.01989746,  0.09326172, -0.10791016,  0.08251953, -0.01953125,
         0.19335938,  0.12988281,  0.02246094, -0.03930664,  0.0456543 ,
         0.10498047, -0.09179688, -0.13574219, -0.01904297,  0.01245117,
        -0.13476562, -0.12597656,  0.171875  , -0.10644531, -0.25195312,
        -0.02099609,  0.16015625, -0.078125  ,  0.19433594, -0.3359375 ,
         0.05493164,  0.02502441, -0.02478027, -0.1484375 ,  0.04956055,
```

```
        -0.03515625, -0.36328125,  0.09960938, -0.15136719, -0.04052734,
         0.18457031,  0.12890625,  0.07373047, -0.01855469, -0.203125  ,
        -0.16015625, -0.10400391,  0.00494385,  0.10693359, -0.1875    ,
         0.10009766, -0.01324463, -0.07324219, -0.00588989,  0.01977539,
         0.02844238, -0.11816406, -0.06494141, -0.04077148, -0.16992188,
         0.0222168 , -0.20605469, -0.29492188,  0.27539062,  0.046875  ,
         0.11279297,  0.06494141, -0.23535156,  0.08496094,  0.0020752 ,
        -0.09716797,  0.07861328, -0.19433594, -0.30664062, -0.00640869,
        -0.23730469,  0.0055542 , -0.02050781,  0.04833984, -0.25585938,
        -0.0402832 , -0.04785156,  0.17871094,  0.08642578, -0.09033203,
        -0.0279541 , -0.05761719,  0.15722656,  0.13964844,  0.09960938,
        -0.01019287,  0.15722656,  0.5       ,  0.04199219,  0.18261719,
         0.09179688, -0.02404785,  0.0062561 ,  0.1640625 ,  0.02282715,
         0.04711914, -0.08154297,  0.12988281,  0.21582031,  0.14550781,
        -0.15527344, -0.07080078,  0.10253906, -0.24414062, -0.21679688,
        -0.11376953,  0.06787109,  0.04736328,  0.05957031,  0.10205078,
        -0.14550781,  0.27539062, -0.07421875,  0.26953125, -0.01434326,
        -0.03564453,  0.21777344, -0.41601562,  0.15722656, -0.28125   ,
         0.4140625 ,  0.25390625,  0.27734375,  0.21679688,  0.04931641],
       dtype=float32),
 'regularly': array([-1.87988281e-02,  9.66796875e-02, -7.08007812e-02,  9.
33837891e-03,
        -6.22558594e-02,  1.02050781e-01, -8.25195312e-02, -1.99317932e-04,
         1.83593750e-01,  2.13623047e-03, -1.14746094e-01, -2.91015625e-01,
         1.54296875e-01,  2.24609375e-01, -2.15820312e-01, -1.39160156e-02,
        -3.30078125e-01,  1.97265625e-01, -1.05957031e-01, -1.03149414e-02,
         8.00781250e-02, -5.98144531e-02, -2.65625000e-01,  2.13867188e-01,
         1.13281250e-01, -9.47265625e-02, -1.06933594e-01,  2.37304688e-01,
        -1.71875000e-01, -3.29589844e-02, -7.03125000e-02, -7.86132812e-02,
        -7.51953125e-02, -1.95312500e-01,  1.13281250e-01, -1.47460938e-01,
        -1.29394531e-02, -6.17675781e-02, -1.25000000e-01, -2.69531250e-01,
         1.78710938e-01, -1.63085938e-01,  5.59082031e-02, -3.49121094e-02,
        -2.13623047e-02,  5.24902344e-02, -8.49609375e-02, -8.44726562e-02,
        -2.12402344e-02, -9.42382812e-02, -5.22460938e-02,  7.08007812e-02,
        -1.88476562e-01,  1.49414062e-01, -1.15234375e-01,  1.01318359e-02,
         7.51953125e-02, -2.05078125e-01,  1.28906250e-01, -1.32812500e-01,
         5.63964844e-02, -2.88391113e-03, -1.43554688e-01, -3.49121094e-02,
         5.61523438e-02,  1.32812500e-01, -1.24023438e-01,  1.32812500e-01,
        -1.06933594e-01,  8.59375000e-02,  1.24023438e-01,  5.88378906e-02,
         4.41894531e-02,  3.07617188e-02, -2.08984375e-01,  9.61914062e-02,
        -1.26953125e-01,  2.47070312e-01, -5.22460938e-02,  1.23535156e-01,
        -3.66210938e-02, -4.29687500e-02,  2.50000000e-01, -5.15747070e-03,
        -1.73828125e-01, -8.64257812e-02, -2.12890625e-01, -3.46679688e-02,
         7.91015625e-02, -1.11816406e-01, -5.54199219e-02, -1.29882812e-01,
        -8.15429688e-02, -3.61328125e-01, -1.27929688e-01, -6.93359375e-02,
        -5.22460938e-02, -2.12890625e-01,  2.06298828e-02,  6.73828125e-02,
         1.25000000e-01, -2.24609375e-01,  6.19506836e-03,  1.29882812e-01,
        -3.44238281e-02, -1.30859375e-01, -1.14746094e-01,  1.82617188e-01,
         1.97265625e-01, -9.17968750e-02,  1.12792969e-01,  3.01513672e-02,
        -1.29882812e-01, -1.19628906e-01,  2.58789062e-02,  5.10253906e-02,
         1.51367188e-01, -7.32421875e-02, -5.61523438e-02,  1.16210938e-01,
        -4.98046875e-02, -3.19824219e-02,  1.78222656e-02,  4.56542969e-02,
        -8.00781250e-02, -5.10253906e-02, -1.24511719e-01,  6.10351562e-02,
         7.47070312e-02, -1.33789062e-01, -8.25195312e-02, -3.12500000e-01,
         8.15429688e-02, -2.70996094e-02, -8.98437500e-02, -1.48437500e-01,
        -3.78417969e-02,  1.44531250e-01, -5.83496094e-02,  2.49023438e-01,
         1.43554688e-01,  3.79943848e-03,  1.81640625e-01,  1.69677734e-02,
         9.57031250e-02, -4.39453125e-02,  1.48437500e-01,  4.85839844e-02,
         1.01074219e-01,  1.57226562e-01,  1.42578125e-01,  1.02050781e-01,
        -1.98242188e-01, -8.54492188e-02, -4.71191406e-02, -1.22070312e-01,
        -5.83496094e-02,  6.25000000e-02,  2.18505859e-02, -1.33789062e-01,
         1.70898438e-01,  2.30468750e-01, -8.25195312e-02,  1.86523438e-01,
         2.15820312e-01,  1.63085938e-01, -1.34277344e-02, -3.63281250e-01,
         1.82617188e-01, -2.09960938e-01, -5.85937500e-02,  1.00585938e-01,
```

```
         3.95507812e-02,  4.49218750e-02, -1.22558594e-01, -1.65039062e-01,
        -1.19628906e-02, -3.10546875e-01, -4.34570312e-02, -7.37304688e-02,
         3.08837891e-02, -2.23632812e-01, -9.96093750e-02, -5.39550781e-02,
         2.71484375e-01, -6.73828125e-02,  1.66992188e-01, -9.81445312e-02,
        -3.58886719e-02, -6.83593750e-02,  1.96289062e-01,  8.78906250e-03,
         4.95605469e-02, -2.85156250e-01,  1.85546875e-02, -1.25000000e-01,
         3.12500000e-02,  1.14257812e-01, -2.13867188e-01, -6.44531250e-02,
         9.91210938e-02,  3.02734375e-02,  6.05468750e-02, -1.09375000e-01,
         2.75390625e-01, -1.10839844e-01,  2.27050781e-02,  6.07910156e-02,
         3.58886719e-02, -6.15234375e-02, -1.05957031e-01, -2.91015625e-01,
        -2.75390625e-01, -2.96630859e-02, -9.86328125e-02,  3.19824219e-02,
        -6.17675781e-02,  5.71289062e-02, -1.27929688e-01, -1.61132812e-01,
        -8.93554688e-02,  4.95605469e-02, -4.63867188e-02, -3.08837891e-02,
         2.97851562e-02, -1.92871094e-02,  1.14135742e-02,  1.45507812e-01,
         8.69140625e-02, -2.49023438e-01, -1.53808594e-02, -5.59082031e-02,
         1.97265625e-01, -4.63867188e-02,  1.06445312e-01,  1.41601562e-01,
         5.22460938e-02, -4.85839844e-02, -6.29882812e-02,  8.44726562e-02,
        -1.94335938e-01, -1.52343750e-01, -4.88281250e-03, -1.91406250e-01,
         1.36718750e-01,  1.25000000e-01,  2.28271484e-02, -8.74023438e-02,
        -2.44140625e-01,  4.76074219e-03, -1.17675781e-01,  1.22558594e-01,
         1.86523438e-01, -1.50390625e-01,  1.60156250e-01,  3.12500000e-02,
         8.64257812e-02, -1.11816406e-01,  7.23266602e-03,  1.27929688e-01,
         6.68945312e-02,  1.99218750e-01, -1.97753906e-02,  1.65039062e-01,
         3.90625000e-02, -2.02148438e-01, -1.64062500e-01,  1.80664062e-01,
         2.49023438e-01, -1.15234375e-01,  2.18750000e-01,  2.22656250e-01,
        -6.20117188e-02,  2.24609375e-01, -8.88671875e-02, -2.81250000e-01,
        -6.12792969e-02, -1.63085938e-01,  5.71289062e-02, -1.86523438e-01,
         1.02050781e-01,  3.56445312e-02,  1.39648438e-01,  2.57812500e-01,
         9.17968750e-02, -2.05078125e-02, -1.77734375e-01,  7.86132812e-02,
         1.59179688e-01,  3.08593750e-01,  1.37695312e-01, -9.71679688e-02,
         6.05468750e-02, -1.28906250e-01, -8.88671875e-02,  1.57470703e-02,
        -4.98046875e-02,  8.85009766e-03, -1.16699219e-01, -1.76757812e-0
1],
       dtype=float32),
 'required': array([-0.12890625, -0.18261719,  0.10351562, -0.10546875, -0.
35546875,
        -0.06835938,  0.29492188,  0.06347656,  0.03564453, -0.04980469,
         0.06152344,  0.01348877, -0.09619141, -0.12402344, -0.18652344,
         0.21875   ,  0.11132812, -0.13671875, -0.03808594, -0.05810547,
        -0.19238281, -0.29882812, -0.19921875,  0.05029297, -0.03735352,
        -0.04125977, -0.203125  , -0.10058594,  0.10205078,  0.01574707,
         0.07714844, -0.20996094,  0.09423828, -0.13378906, -0.28710938,
        -0.11230469,  0.13769531,  0.06884766,  0.03442383, -0.02087402,
         0.125     , -0.00079727,  0.16308594, -0.01843262,  0.02172852,
        -0.22558594,  0.03295898,  0.11376953, -0.10888672, -0.21875   ,
        -0.13574219, -0.19042969, -0.07373047,  0.09033203, -0.05419922,
         0.21972656,  0.01928711, -0.12060547,  0.15136719, -0.19824219,
        -0.05859375, -0.17773438, -0.16210938, -0.2890625 ,  0.11474609,
         0.06445312, -0.05151367,  0.36132812, -0.25976562, -0.25      ,
         0.03393555, -0.0559082 ,  0.03344727,  0.04345703,  0.08984375,
        -0.04003906,  0.31835938,  0.13769531, -0.09863281,  0.04345703,
         0.02148438, -0.09570312, -0.18066406, -0.08154297, -0.05419922,
         0.0012207 , -0.08886719, -0.03149414,  0.15234375, -0.03540039,
         0.03271484, -0.04443359,  0.21875   , -0.17773438,  0.19238281,
        -0.16601562, -0.04101562, -0.06787109, -0.21777344,  0.19042969,
         0.05175781, -0.08691406, -0.1484375 ,  0.0098877 , -0.29492188,
        -0.04150391, -0.00442505, -0.140625  ,  0.03808594,  0.15332031,
        -0.11230469,  0.03515625, -0.20410156,  0.10839844,  0.15429688,
         0.23730469,  0.11914062,  0.03173828,  0.20605469,  0.04223633,
        -0.00933838, -0.04638672,  0.10351562,  0.05224609,  0.00109863,
         0.0177002 ,  0.0088501 , -0.09472656,  0.02001953,  0.21777344,
        -0.00793457, -0.05810547, -0.09228516, -0.06347656, -0.06347656,
        -0.05249023, -0.05566406, -0.03808594, -0.0559082 ,  0.12255859,
        -0.09619141, -0.12597656, -0.03930664, -0.00738525,  0.0703125 ,
```

```
        -0.03320312, -0.12353516,  0.01806641,  0.06787109, -0.07958984,
         0.18066406,  0.13085938,  0.08935547, -0.04858398,  0.05786133,
         0.14257812, -0.25      ,  0.04418945, -0.25585938,  0.05004883,
         0.26171875,  0.02075195,  0.04980469,  0.10205078, -0.06152344,
        -0.18164062, -0.02429199, -0.16308594,  0.11669922, -0.2734375 ,
        -0.19238281, -0.25976562, -0.17089844, -0.01190186,  0.12988281,
        -0.11572266,  0.15039062, -0.19140625, -0.26171875, -0.03442383,
        -0.18261719,  0.07958984, -0.06738281,  0.06738281, -0.05297852,
        -0.04516602,  0.07324219, -0.25195312,  0.08789062,  0.01269531,
        -0.13378906,  0.05981445, -0.18457031, -0.12109375, -0.01239014,
         0.06982422,  0.21386719, -0.16015625, -0.11425781, -0.30273438,
         0.17285156,  0.41796875,  0.06591797,  0.08105469,  0.07421875,
         0.01293945, -0.02575684,  0.12695312,  0.12451172, -0.05981445,
         0.10449219,  0.10986328, -0.10205078,  0.04443359, -0.16210938,
        -0.00299072,  0.13183594,  0.296875  , -0.11914062,  0.05493164,
        -0.06591797, -0.0859375 , -0.06591797, -0.20410156,  0.08251953,
         0.08544922,  0.25      , -0.01092529,  0.13964844, -0.1640625 ,
         0.07080078, -0.10742188,  0.18652344,  0.15039062,  0.03881836,
         0.06176758,  0.18945312, -0.1328125 ,  0.05224609, -0.04785156,
        -0.05737305,  0.01361084,  0.11767578, -0.14746094,  0.18847656,
        -0.11474609, -0.13769531,  0.30664062,  0.125     , -0.29882812,
         0.01495361,  0.08984375, -0.11962891,  0.02404785,  0.09277344,
         0.03051758,  0.06347656, -0.12597656, -0.15527344,  0.18164062,
        -0.06884766, -0.07470703, -0.12207031, -0.06396484,  0.05004883,
        -0.05053711,  0.07568359, -0.03710938,  0.15234375, -0.26757812,
         0.18847656,  0.12695312,  0.02624512,  0.11914062,  0.05639648,
        -0.28710938,  0.00878906, -0.09375   , -0.14355469,  0.1328125 ,
        -0.04150391, -0.09912109,  0.18164062,  0.11132812, -0.01306152,
         0.01446533,  0.10693359,  0.16601562,  0.04980469,  0.19628906,
        -0.19433594, -0.13964844,  0.02758789,  0.12158203,  0.04638672,
         0.2734375 , -0.06347656, -0.07714844, -0.11572266, -0.02832031],
       dtype=float32),
 'talk': array([-3.52478027e-03,  1.32812500e-01, -2.50244141e-03,  1.10839
844e-01,
         2.02636719e-02,  1.25000000e-01,  1.53320312e-01, -1.99218750e-01,
         1.49414062e-01,  8.74023438e-02, -2.27539062e-01,  3.36914062e-02,
        -8.64257812e-02,  2.12402344e-02, -2.50244141e-02,  3.32031250e-01,
         5.49316406e-02,  4.00390625e-01,  9.27734375e-02, -2.33398438e-01,
         1.07910156e-01,  1.17187500e-01,  6.46972656e-03,  2.89306641e-02,
         1.16210938e-01,  3.47656250e-01, -1.34765625e-01,  5.29785156e-02,
        -1.80664062e-02, -9.27734375e-02, -8.00781250e-02,  4.29687500e-02,
        -1.95312500e-01, -1.56250000e-01, -1.66015625e-02, -5.34667969e-02,
         2.06054688e-01, -1.21582031e-01,  1.96289062e-01,  5.24902344e-02,
        -2.05078125e-01, -2.02148438e-01,  6.73828125e-02,  7.08007812e-02,
        -3.20312500e-01,  2.46093750e-01, -1.36718750e-01, -1.24511719e-01,
         3.97949219e-02,  2.38281250e-01, -1.34765625e-01, -4.76074219e-02,
        -9.66796875e-02,  4.24804688e-02, -2.33154297e-02, -1.10839844e-01,
        -1.66015625e-01, -3.63769531e-02,  1.90429688e-01, -1.50146484e-02,
         8.15429688e-02, -6.98242188e-02, -1.02050781e-01,  3.49121094e-02,
         1.43554688e-01, -5.24902344e-02, -9.08203125e-02, -2.09960938e-02,
        -7.61718750e-02,  7.66601562e-02, -6.59179688e-02,  1.82617188e-01,
         3.45706940e-05,  1.49414062e-01, -1.08398438e-01, -1.67968750e-01,
         5.61523438e-03,  6.44531250e-02,  6.68945312e-02,  3.00781250e-01,
        -1.57226562e-01,  1.09375000e-01,  8.78906250e-02, -2.95410156e-02,
         1.01074219e-01, -2.23632812e-01, -1.19140625e-01,  4.73632812e-02,
        -2.13623047e-02,  5.54199219e-02,  4.98046875e-02,  2.50244141e-02,
        -2.89062500e-01, -3.05175781e-02,  3.93066406e-02, -4.93164062e-02,
         8.34960938e-02,  6.88476562e-02,  3.73535156e-02, -1.57226562e-01,
        -1.55273438e-01, -4.85839844e-02, -7.03125000e-02,  4.24804688e-02,
        -1.30004883e-02,  4.85839844e-02, -3.58886719e-02, -2.25585938e-01,
         1.86523438e-01, -2.00195312e-01, -4.95605469e-02, -1.71875000e-01,
         6.98242188e-02, -1.70898438e-01, -6.10351562e-02, -1.41601562e-01,
         2.17773438e-01, -2.05078125e-01,  1.57226562e-01,  4.73632812e-02,
        -2.72750854e-04,  2.89062500e-01,  9.52148438e-03,  3.08593750e-01,
```

```
        -1.85546875e-01, -1.64062500e-01, -3.24707031e-02,  1.54296875e-01,
         4.05273438e-02, -2.49023438e-02, -5.73730469e-02, -4.39453125e-01,
         1.36718750e-01,  1.05957031e-01, -2.11181641e-02,  1.45507812e-01,
         1.10839844e-01,  1.52343750e-01, -6.73828125e-02, -2.15148926e-03,
         2.20703125e-01, -6.34765625e-02, -6.25000000e-02, -1.20605469e-01,
         6.68945312e-02,  4.66308594e-02,  3.56445312e-02, -2.00195312e-01,
         7.66601562e-02, -6.49414062e-02,  7.66601562e-02,  1.14257812e-01,
        -1.31835938e-01,  1.21093750e-01, -7.03125000e-02,  3.95507812e-02,
        -1.12304688e-01, -3.39843750e-01,  3.22265625e-02, -4.78515625e-02,
         1.66015625e-01,  2.57812500e-01, -1.11328125e-01, -2.51953125e-01,
         1.56250000e-01, -7.87353516e-03,  2.33154297e-02,  1.64794922e-02,
         1.80664062e-01, -1.36108398e-02,  5.58471680e-03, -3.90625000e-03,
         2.13867188e-01, -1.29882812e-01, -1.17187500e-02, -1.98364258e-03,
         1.37329102e-02,  8.78906250e-02, -2.06054688e-01,  1.07421875e-01,
         4.39453125e-02, -3.90625000e-02,  1.76757812e-01,  2.45117188e-01,
         1.12304688e-01, -9.32617188e-02, -2.47070312e-01, -4.54101562e-02,
        -1.12304688e-02, -2.06298828e-02,  1.74804688e-01,  6.89697266e-03,
         4.85839844e-02,  1.45507812e-01,  1.43554688e-01, -9.71679688e-02,
        -1.85546875e-01,  1.17675781e-01,  2.11181641e-02, -3.97949219e-02,
        -2.86865234e-02,  1.08886719e-01, -1.58203125e-01, -1.12304688e-01,
        -8.54492188e-03, -9.52148438e-03, -4.33349609e-03,  9.57031250e-02,
        -1.31835938e-01,  4.90722656e-02,  1.98974609e-02,  5.39550781e-02,
         1.65039062e-01, -1.26953125e-01, -5.39550781e-02,  2.01171875e-01,
         1.29882812e-01, -4.76074219e-02, -9.91210938e-02, -1.56250000e-01,
        -6.20117188e-02,  1.20117188e-01, -9.47265625e-02,  2.14843750e-01,
         1.24023438e-01,  4.05273438e-02, -9.22851562e-02,  2.28515625e-01,
         1.47460938e-01, -7.95898438e-02,  4.27246094e-02, -5.73730469e-02,
        -6.68945312e-02,  7.12890625e-02,  1.75781250e-01, -2.45117188e-01,
         4.39453125e-02, -2.62451172e-02,  4.61425781e-02, -7.03125000e-02,
        -3.39355469e-02, -9.42382812e-02, -4.12597656e-02,  4.39453125e-02,
        -1.72851562e-01,  1.08398438e-01,  7.86132812e-02,  2.83203125e-02,
         1.40625000e-01, -1.26953125e-01,  6.25000000e-02,  1.53320312e-01,
        -8.64257812e-02,  1.23535156e-01, -7.81250000e-02, -8.78906250e-02,
        -1.02539062e-01,  3.73535156e-02,  3.70788574e-03,  1.79290771e-03,
        -1.53320312e-01,  1.85394287e-03, -3.16406250e-01, -2.01416016e-02,
        -5.10253906e-02,  2.12890625e-01,  6.20117188e-02, -9.66796875e-02,
        -1.52343750e-01,  4.56542969e-02,  7.32421875e-02,  2.19726562e-01,
         3.35937500e-01, -2.31445312e-01,  2.10937500e-01, -2.05078125e-01,
         3.63769531e-02, -1.21582031e-01, -2.19726562e-02, -2.42187500e-01,
         1.54418945e-02, -1.96289062e-01,  2.50000000e-01,  3.32641602e-03,
         2.33398438e-01, -8.93554688e-02, -5.59082031e-02,  8.74023438e-02,
         1.84326172e-02,  4.19921875e-02,  1.48437500e-01,  7.22656250e-02,
         1.00585938e-01, -1.25000000e-01, -1.23535156e-01, -2.08984375e-01,
        -4.27246094e-02, -1.40625000e-01,  1.06933594e-01, -1.40625000e-0
1],
       dtype=float32),
 'hear': array([ 6.68945312e-02, -1.97265625e-01,  1.29882812e-01,  5.02929
688e-02,
        -3.08593750e-01, -3.71093750e-02,  9.42382812e-02,  1.33789062e-01,
         4.80468750e-01,  2.85156250e-01, -2.06054688e-01, -9.94873047e-03,
        -9.96093750e-02,  1.39648438e-01,  8.59375000e-02,  2.44140625e-01,
         5.32226562e-02,  2.47070312e-01,  2.11914062e-01,  1.51367188e-02,
        -5.10253906e-02,  3.65234375e-01,  2.66113281e-02,  4.36401367e-03,
         5.71289062e-02, -1.31225586e-02,  3.29589844e-02, -2.69531250e-01,
        -2.12402344e-02,  1.49414062e-01, -1.61132812e-01, -8.30078125e-02,
        -3.08593750e-01, -9.47265625e-02, -8.69140625e-02, -2.01171875e-01,
         2.77343750e-01,  3.00292969e-02, -2.90527344e-02,  5.68847656e-02,
        -8.25195312e-02, -1.28906250e-01, -1.51977539e-02,  3.85742188e-02,
        -2.36328125e-01, -3.03955078e-02, -2.33398438e-01, -5.34667969e-02,
        -1.02539062e-01,  5.37109375e-03,  8.30078125e-02,  6.22558594e-02,
         1.31225586e-02,  8.30078125e-02,  9.66796875e-02, -1.49536133e-02,
        -1.82617188e-01, -7.51953125e-02,  2.63671875e-01, -3.78417969e-02,
         1.50390625e-01, -2.63671875e-01,  3.06396484e-02, -1.56250000e-01,
         1.47460938e-01, -1.69921875e-01, -1.08398438e-01,  8.88671875e-02,
```

```
        -7.22656250e-02,  2.23632812e-01,  5.10253906e-02, -9.47265625e-02,
         8.44726562e-02, -7.17773438e-02, -2.22656250e-01, -1.88476562e-01,
         1.38671875e-01,  1.95312500e-02,  2.96875000e-01,  2.34375000e-01,
         1.01318359e-02, -4.11987305e-03,  8.74023438e-02, -3.10058594e-02,
         1.50390625e-01, -1.55273438e-01, -1.89453125e-01, -6.22558594e-02,
        -1.67968750e-01,  6.37817383e-03, -6.34765625e-02,  1.61132812e-01,
         2.41088867e-03,  6.00585938e-02, -2.44140625e-01, -8.20312500e-02,
         1.53320312e-01,  1.95312500e-01, -2.75878906e-02, -2.05078125e-01,
        -1.46484375e-01, -8.15429688e-02, -7.37304688e-02, -1.29394531e-02,
         4.34570312e-02, -1.04003906e-01,  8.25195312e-02,  1.45874023e-02,
         1.65039062e-01, -3.84765625e-01,  2.80380249e-04,  2.19726562e-01,
         2.33398438e-01,  2.73437500e-02,  7.81250000e-02, -5.41992188e-02,
        -3.49121094e-02,  3.41796875e-02,  1.60156250e-01, -3.96484375e-01,
        -1.47460938e-01,  7.51953125e-02, -1.88476562e-01,  1.33789062e-01,
         1.73828125e-01, -8.36181641e-03, -2.89062500e-01, -1.97265625e-01,
         1.26953125e-01, -1.39648438e-01, -2.57568359e-02, -2.71484375e-01,
        -6.54296875e-02,  7.22656250e-02,  1.38671875e-01, -9.27734375e-02,
         1.16729736e-03, -1.05468750e-01,  2.30468750e-01, -1.81884766e-02,
         2.69531250e-01,  1.04492188e-01,  1.15356445e-02, -3.44238281e-02,
         8.93554688e-02,  6.25000000e-02,  7.37304688e-02, -4.58984375e-01,
         1.58203125e-01,  1.62109375e-01,  2.91015625e-01,  1.38671875e-01,
        -1.85546875e-01,  9.13085938e-02,  5.56640625e-02,  8.54492188e-02,
        -5.39550781e-02, -5.27343750e-02, -1.00585938e-01, -2.02148438e-01,
        -5.46875000e-02,  7.71484375e-02, -1.25976562e-01, -9.42382812e-02,
         1.25000000e-01, -1.08886719e-01,  1.53320312e-01, -2.25585938e-01,
         3.86718750e-01,  8.74023438e-02, -3.80859375e-01,  2.53906250e-02,
        -5.44433594e-02, -1.31835938e-01, -1.22558594e-01,  1.08642578e-02,
         1.50390625e-01,  2.49023438e-01, -1.28906250e-01, -1.17187500e-01,
         3.39355469e-02,  4.83398438e-02,  2.59765625e-01,  1.59179688e-01,
        -1.20117188e-01,  9.17968750e-02, -1.36718750e-01, -8.39843750e-02,
        -4.71191406e-02,  5.71289062e-02,  2.65625000e-01, -1.77001953e-02,
         4.00390625e-02, -2.17773438e-01,  3.18359375e-01,  2.12890625e-01,
         5.24902344e-02, -1.60156250e-01, -1.01074219e-01,  2.01171875e-01,
         6.46972656e-03, -2.88085938e-02, -2.73437500e-01, -1.67968750e-01,
        -2.35351562e-01,  8.00781250e-02, -5.95703125e-02,  1.80664062e-02,
         1.19140625e-01,  2.94189453e-02,  7.51953125e-02,  1.07421875e-01,
         1.41601562e-01, -2.09960938e-01, -2.57812500e-01,  1.98974609e-02,
        -6.73828125e-02, -2.08007812e-01, -1.68945312e-01, -2.87109375e-01,
         1.41601562e-01,  5.15136719e-02, -8.69140625e-02,  2.77343750e-01,
         2.49023438e-01, -1.13769531e-01, -8.20312500e-02,  9.61914062e-02,
        -1.35742188e-01,  1.51367188e-02,  4.27246094e-02, -1.35742188e-01,
        -2.59765625e-01,  2.28271484e-02,  3.71093750e-01, -8.10546875e-02,
        -7.03125000e-02,  5.92041016e-03,  2.38281250e-01,  1.89208984e-02,
        -1.15722656e-01, -9.34600830e-04, -1.06933594e-01,  9.42382812e-02,
        -8.74023438e-02,  1.47460938e-01,  1.34765625e-01,  6.31713867e-03,
         1.39770508e-02, -2.27050781e-02,  7.71484375e-02,  1.43554688e-01,
         6.07910156e-02, -6.83593750e-02, -3.73535156e-02,  5.59082031e-02,
         6.49414062e-02,  1.43554688e-01, -5.56640625e-02, -2.36328125e-01,
        -3.54003906e-02, -1.55273438e-01, -1.20117188e-01,  8.74023438e-02,
        -8.25195312e-02,  2.26562500e-01, -1.15234375e-01, -7.56835938e-03,
        -1.88476562e-01, -2.02636719e-02,  1.93359375e-01,  1.66992188e-01,
         3.94531250e-01,  6.25000000e-02,  1.94335938e-01, -2.42187500e-01,
        -7.27539062e-02, -1.87500000e-01,  3.75976562e-02, -2.50000000e-01,
         4.61425781e-02, -2.08984375e-01,  1.55273438e-01, -2.73437500e-02,
         4.29687500e-02, -5.70678711e-03,  6.44531250e-02, -1.21093750e-01,
         6.73828125e-02,  2.38281250e-01,  2.25585938e-01, -2.11181641e-02,
         2.99072266e-02, -6.78710938e-02,  8.93554688e-02, -2.46093750e-01,
         1.23046875e-01, -9.76562500e-02,  1.37695312e-01,  1.16577148e-0
2],
       dtype=float32),
 'frequently': array([ 7.32421875e-02,  7.22656250e-02, -1.30859375e-01,
1.21582031e-01,
        -7.47070312e-02,  8.78906250e-02,  5.05371094e-02,  1.42211914e-02,
         2.29492188e-01,  5.27343750e-02, -4.27246094e-02, -1.87500000e-01,
```

```
 1.04492188e-01,  2.73437500e-01, -2.07031250e-01, -1.06933594e-01,
-2.79296875e-01,  1.70898438e-01, -1.03515625e-01, -1.12792969e-01,
 6.29882812e-02, -6.00585938e-02, -1.65039062e-01,  2.77343750e-01,
-3.32031250e-02, -1.26953125e-01, -1.94091797e-02,  1.63085938e-01,
-8.93554688e-02,  9.96093750e-02, -8.30078125e-02, -3.85742188e-02,
-4.54101562e-02, -1.21582031e-01,  6.98242188e-02, -9.96093750e-02,
 6.12792969e-02,  2.69775391e-02,  5.46264648e-03, -3.26171875e-01,
 2.38281250e-01,  6.93359375e-02,  3.00292969e-02, -1.28784180e-02,
-9.17968750e-02,  9.86328125e-02, -2.00195312e-01,  7.66601562e-02,
-4.61425781e-02, -1.70898438e-01, -1.83593750e-01,  6.88476562e-02,
-3.98437500e-01,  1.23535156e-01, -5.46875000e-02,  2.59765625e-01,
 1.07910156e-01, -1.66015625e-01,  9.81445312e-02,  2.50244141e-02,
 6.98242188e-02,  1.48010254e-03, -1.86523438e-01, -8.98437500e-02,
-2.36816406e-02,  1.77734375e-01, -5.76171875e-02, -2.31933594e-03,
-1.04003906e-01,  3.93066406e-02,  1.89453125e-01,  8.64257812e-02,
-1.13769531e-01, -1.00097656e-01, -2.32421875e-01, -2.17285156e-02,
-1.62109375e-01,  3.90625000e-01, -2.72750854e-04,  2.73437500e-01,
-2.63671875e-02,  3.36914062e-02,  1.30859375e-01, -1.15722656e-01,
-2.23632812e-01,  1.46484375e-02, -2.25585938e-01,  3.12500000e-02,
 2.79541016e-02,  4.69970703e-03, -2.55126953e-02,  7.03125000e-02,
-2.83203125e-01, -2.34375000e-01,  5.73730469e-02,  2.08854675e-04,
-8.59375000e-02, -9.81445312e-02, -1.86767578e-02,  1.38671875e-01,
-1.39160156e-02, -2.57812500e-01,  2.94189453e-02,  6.64062500e-02,
-5.73730469e-02,  6.15234375e-02, -4.07714844e-02,  1.25976562e-01,
 2.21679688e-01, -2.24609375e-02, -5.46875000e-02,  3.39355469e-02,
 7.27539062e-02, -7.03125000e-02,  1.01074219e-01,  4.32128906e-02,
 3.28125000e-01, -1.85546875e-01,  1.26953125e-01,  6.29882812e-02,
-1.58203125e-01, -7.53784180e-03, -6.22558594e-03, -1.26953125e-01,
 2.63671875e-02, -6.59179688e-02, -8.93554688e-02,  6.39648438e-02,
 1.25000000e-01, -8.30078125e-02,  4.66308594e-02, -3.90625000e-01,
 1.09863281e-01,  6.49414062e-02, -6.29882812e-02, -2.59765625e-01,
 1.41601562e-02, -5.46875000e-02, -1.29882812e-01,  2.18750000e-01,
 1.33789062e-01, -1.65039062e-01,  1.30859375e-01,  1.26953125e-01,
 1.08886719e-01, -1.79687500e-01,  8.00781250e-02,  7.32421875e-02,
-8.64257812e-02,  7.51953125e-02, -1.22785568e-05, -1.98364258e-04,
-1.57226562e-01, -1.99218750e-01, -1.69921875e-01, -1.31835938e-01,
-1.82617188e-01,  2.20703125e-01,  1.64794922e-02, -8.30078125e-02,
 1.78710938e-01,  2.73437500e-01, -6.39648438e-02,  5.29785156e-02,
 9.13085938e-02,  9.52148438e-02, -1.01562500e-01, -3.16406250e-01,
 1.31835938e-01, -1.51367188e-01,  4.68750000e-02,  8.15429688e-02,
-1.16699219e-01,  3.03955078e-02, -1.40625000e-01, -1.15234375e-01,
-1.11816406e-01, -3.16406250e-01, -1.62109375e-01, -1.17675781e-01,
 5.85937500e-02, -1.79687500e-01, -6.34765625e-02, -3.78417969e-02,
 2.77343750e-01, -3.71093750e-02,  5.02929688e-02,  8.44726562e-02,
-3.85742188e-02,  1.20117188e-01,  2.06054688e-01, -1.57226562e-01,
 1.03027344e-01, -2.45117188e-01,  2.60009766e-02, -6.88476562e-02,
-2.03125000e-01, -6.05468750e-02, -5.56640625e-02, -1.01562500e-01,
 2.19726562e-01,  8.54492188e-02,  7.66601562e-02, -1.34765625e-01,
 1.77734375e-01, -1.96289062e-01,  1.07421875e-01,  2.89916992e-03,
-2.67333984e-02, -5.63964844e-02, -1.96289062e-01, -4.10156250e-01,
-1.75781250e-01, -7.93457031e-03, -7.03125000e-02, -3.75976562e-02,
-3.14941406e-02,  1.20117188e-01, -1.46484375e-01, -1.83593750e-01,
-1.91650391e-02,  1.24511719e-01, -5.88378906e-02, -5.07812500e-02,
 5.88378906e-02,  1.17187500e-01,  1.25000000e-01,  2.61718750e-01,
 4.41894531e-02, -4.66308594e-02, -1.81884766e-02,  1.30859375e-01,
 7.42187500e-02, -1.02539062e-01,  1.26953125e-01,  6.73828125e-02,
 3.49121094e-02, -1.10351562e-01, -1.13281250e-01,  6.88476562e-02,
-2.96875000e-01, -2.39257812e-01,  5.07812500e-02, -2.69531250e-01,
 2.57812500e-01,  1.45507812e-01, -3.01513672e-02,  4.10156250e-02,
-1.70898438e-01,  4.63867188e-02, -1.87988281e-02,  3.80859375e-02,
 2.29492188e-01, -1.53320312e-01,  7.71484375e-02, -1.81640625e-01,
-2.47802734e-02,  7.93457031e-03,  2.23632812e-01,  3.46374512e-03,
 8.54492188e-02,  2.32421875e-01, -8.93554688e-02,  1.66015625e-02,
 4.17480469e-02, -7.47070312e-02, -1.56250000e-01,  1.43554688e-01,
```

```
         1.32812500e-01,  3.03649902e-03,  1.80664062e-02,  1.82617188e-01,
        -6.07910156e-02,  1.59179688e-01, -1.02050781e-01, -2.32421875e-01,
        -7.91015625e-02,  5.29785156e-02,  7.93457031e-03, -3.26171875e-01,
         2.43164062e-01,  4.85839844e-02,  6.44531250e-02,  1.44531250e-01,
         3.07617188e-02,  6.73828125e-02, -6.78710938e-02,  6.59179688e-02,
        -7.04956055e-03,  2.04101562e-01, -5.76171875e-02, -1.51367188e-01,
         9.91210938e-02, -6.12792969e-02, -2.42919922e-02,  2.16064453e-02,
         8.25195312e-02, -9.17968750e-02,  7.61718750e-02, -9.37500000e-0
2],
       dtype=float32),
 'use': array([ 0.11279297, -0.13085938,  0.06689453,  0.13867188, -0.17773
438,
         0.06933594,  0.10791016, -0.13378906,  0.02697754,  0.17773438,
        -0.17480469, -0.0559082 , -0.26367188,  0.06884766, -0.04345703,
        -0.15820312,  0.109375  ,  0.02612305, -0.16308594, -0.09765625,
        -0.14160156,  0.06396484, -0.06347656,  0.27539062, -0.1875    ,
        -0.05908203,  0.06542969,  0.22265625, -0.17089844,  0.02416992,
         0.07177734, -0.04003906, -0.1640625 , -0.12597656,  0.12597656,
         0.03979492, -0.01031494, -0.01098633,  0.1328125 , -0.15136719,
         0.22558594,  0.23144531,  0.203125  ,  0.0145874 ,  0.01544189,
        -0.05444336, -0.17578125,  0.11279297, -0.18261719,  0.14257812,
        -0.06884766, -0.14941406,  0.02929688, -0.26171875,  0.06176758,
        -0.15527344, -0.09179688, -0.14550781,  0.07177734, -0.00083923,
        -0.02856445, -0.0612793 , -0.1171875 ,  0.08349609,  0.12597656,
         0.04443359, -0.16796875,  0.12890625, -0.04858398,  0.14355469,
         0.08789062,  0.05395508,  0.25      , -0.01611328, -0.07275391,
        -0.09326172,  0.11767578,  0.00454712, -0.15332031,  0.2890625 ,
        -0.0168457 , -0.01635742,  0.18945312,  0.15625   ,  0.17285156,
         0.07714844, -0.17871094,  0.12060547, -0.05688477,  0.18164062,
        -0.16601562,  0.07666016,  0.13671875, -0.19238281,  0.2578125 ,
        -0.15722656, -0.04736328,  0.11962891,  0.06030273,  0.15625   ,
         0.01092529, -0.10302734,  0.11181641,  0.03417969,  0.14648438,
        -0.13183594, -0.18164062,  0.00236511,  0.01843262, -0.07617188,
        -0.15820312,  0.140625  , -0.08789062, -0.15820312,  0.03320312,
         0.02429199,  0.08056641, -0.00970459,  0.04882812, -0.03271484,
         0.00454712, -0.07714844, -0.15625   ,  0.09082031,  0.05053711,
        -0.06933594, -0.06494141, -0.12695312,  0.18652344, -0.08447266,
        -0.01275635,  0.10986328, -0.05175781,  0.02819824,  0.0859375 ,
        -0.04638672,  0.19335938,  0.01037598, -0.03442383, -0.07324219,
         0.16699219, -0.11035156, -0.23242188,  0.01733398,  0.23339844,
        -0.10400391, -0.09814453, -0.15625   ,  0.00878906, -0.05834961,
         0.08056641, -0.140625  , -0.01495361, -0.15917969, -0.00497437,
        -0.0534668 , -0.10400391, -0.10595703, -0.05786133, -0.0612793 ,
         0.1328125 ,  0.16015625, -0.05737305, -0.13964844, -0.13769531,
        -0.05322266, -0.01647949, -0.21386719,  0.12255859, -0.18164062,
        -0.06640625, -0.00537109, -0.10595703,  0.0612793 ,  0.02246094,
        -0.03613281,  0.10107422, -0.14941406, -0.25585938,  0.07421875,
        -0.15234375, -0.08935547, -0.046875  , -0.05786133,  0.11767578,
        -0.2265625 , -0.0324707 , -0.14648438,  0.06542969,  0.13476562,
        -0.10058594, -0.06030273,  0.15429688, -0.19628906, -0.09521484,
        -0.14355469,  0.06347656, -0.21191406, -0.05444336, -0.28515625,
         0.08496094,  0.10351562, -0.11425781,  0.09667969, -0.35546875,
         0.15722656,  0.08886719,  0.00075531, -0.1640625 , -0.11523438,
         0.11914062, -0.05664062,  0.02783203,  0.10644531, -0.01373291,
         0.07958984,  0.05371094,  0.00683594, -0.16015625, -0.05004883,
        -0.00946045, -0.05297852, -0.0112915 , -0.06445312,  0.0480957 ,
         0.16015625, -0.08398438, -0.11865234,  0.05737305, -0.06201172,
        -0.0050354 ,  0.11328125,  0.07275391, -0.00909424,  0.06884766,
        -0.06005859,  0.00043488,  0.00860596,  0.16210938, -0.09765625,
         0.00537109, -0.015625  ,  0.1484375 , -0.11621094, -0.01342773,
         0.07226562, -0.12060547,  0.22070312,  0.15820312, -0.12158203,
         0.00939941,  0.02893066,  0.109375  ,  0.07763672,  0.11474609,
         0.10595703, -0.01098633,  0.04760742, -0.06640625,  0.12109375,
        -0.04907227,  0.03979492, -0.05297852,  0.11962891, -0.10498047,
```

```
        -0.06933594,  0.04516602,  0.03015137, -0.21386719,  0.08251953,
         0.09033203,  0.01361084,  0.05834961,  0.18164062,  0.06494141,
        -0.14355469, -0.16503906, -0.1640625 , -0.19824219, -0.14550781,
         0.07714844,  0.16308594,  0.34375   , -0.03125   , -0.0625    ,
         0.00102997, -0.00144196, -0.03613281, -0.16796875, -0.09228516,
         0.03271484,  0.12158203,  0.03637695, -0.01403809, -0.06347656,
        -0.0612793 ,  0.19238281, -0.17285156, -0.07910156,  0.05786133],
       dtype=float32),
 'hand': array([ 9.32617188e-02, -4.63867188e-02, -1.33789062e-01,  4.80957
031e-02,
        -3.16406250e-01,  1.07910156e-01,  3.00781250e-01, -2.81250000e-01,
        -1.83105469e-02,  4.85839844e-02, -4.44335938e-02, -1.82617188e-01,
        -1.17187500e-01,  1.37695312e-01, -1.78710938e-01,  3.34167480e-03,
        -1.07421875e-01,  1.34277344e-02,  8.98437500e-02,  7.22656250e-02,
         2.16796875e-01,  1.03515625e-01,  1.89453125e-01,  5.76171875e-02,
         3.75976562e-02, -2.51953125e-01, -5.98144531e-02, -1.00708008e-02,
        -2.84423828e-02,  1.27929688e-01,  1.30004883e-02,  1.43432617e-02,
        -1.07910156e-01,  1.27929688e-01, -1.78710938e-01,  4.61425781e-02,
         6.40869141e-03,  1.16699219e-01, -8.69140625e-02, -1.53320312e-01,
        -4.71191406e-02, -1.39770508e-02,  1.18164062e-01,  5.02929688e-02,
         1.99218750e-01,  9.15527344e-03, -8.30078125e-02,  2.97851562e-02,
         1.68945312e-01, -5.51757812e-02, -1.34765625e-01, -1.16577148e-02,
        -9.91210938e-02, -2.61718750e-01, -5.00488281e-02,  4.80957031e-02,
        -7.12890625e-02,  5.66406250e-02, -5.46264648e-03, -5.05371094e-02,
        -6.49414062e-02,  3.51562500e-02, -9.37500000e-02,  4.44335938e-02,
        -1.75781250e-02, -7.27539062e-02,  3.36914062e-02, -2.40478516e-02,
         7.42187500e-02,  2.49023438e-01,  1.99218750e-01, -1.41601562e-01,
         1.40625000e-01, -8.05664062e-03, -9.71679688e-02, -1.73828125e-01,
         8.78906250e-02,  2.43164062e-01,  9.61914062e-02,  2.99072266e-02,
         3.66210938e-02, -8.88671875e-02,  1.75781250e-01, -2.63671875e-01,
         1.38549805e-02, -8.05664062e-02,  4.12597656e-02, -7.81250000e-02,
         1.58203125e-01,  7.47070312e-02, -1.58203125e-01,  5.12695312e-02,
         9.52148438e-02,  2.46582031e-02, -1.01562500e-01,  4.54101562e-02,
        -1.48010254e-03,  5.54199219e-02, -1.35742188e-01,  6.98242188e-02,
        -1.10839844e-01, -3.71093750e-01, -7.17773438e-02,  9.64355469e-03,
         1.42578125e-01, -2.67578125e-01,  1.50390625e-01,  5.34667969e-02,
         2.75390625e-01, -1.10839844e-01,  1.12304688e-01,  3.88183594e-02,
        -4.27246094e-02, -3.84521484e-03, -8.00781250e-02,  5.37109375e-02,
         2.29492188e-01, -2.30712891e-02, -1.53320312e-01, -1.81884766e-02,
        -5.85937500e-02,  1.07910156e-01, -1.44042969e-02, -5.90820312e-02,
        -3.97949219e-02,  5.54199219e-02,  2.16796875e-01, -1.34765625e-01,
        -6.00585938e-02,  2.68554688e-02,  2.61230469e-02,  1.86767578e-02,
        -1.80664062e-01, -1.02539062e-01, -7.56835938e-03, -4.71191406e-02,
        -8.88671875e-02,  1.59179688e-01, -5.83496094e-02, -2.80761719e-02,
         9.57031250e-02, -9.52148438e-02,  4.66918945e-03, -8.64257812e-02,
         9.71679688e-02,  9.13085938e-02, -1.45507812e-01, -1.26953125e-01,
         1.31835938e-01, -3.19824219e-02, -6.17675781e-02,  1.49536133e-02,
        -2.11914062e-01,  1.08398438e-01, -7.27539062e-02,  1.56250000e-01,
        -1.64062500e-01, -4.12109375e-01,  3.63769531e-02,  7.71484375e-02,
        -3.73535156e-02, -1.26953125e-01, -4.61425781e-02, -1.82617188e-01,
        -4.80957031e-02, -9.32617188e-02, -7.56835938e-02, -2.37304688e-01,
        -2.38281250e-01, -2.50000000e-01, -4.07714844e-02,  7.08007812e-02,
         1.10473633e-02, -2.77343750e-01, -1.15722656e-01, -1.93359375e-01,
         1.61132812e-02, -2.22656250e-01, -1.35742188e-01, -1.84631348e-03,
        -2.71484375e-01,  2.06298828e-02,  1.19140625e-01,  2.00195312e-02,
        -3.14941406e-02,  8.10546875e-02, -6.29882812e-02,  4.29687500e-02,
         1.61132812e-02,  9.71679688e-02,  2.09960938e-01,  9.86328125e-02,
        -8.74023438e-02, -1.03027344e-01, -1.21459961e-02, -5.54199219e-02,
        -1.44042969e-02, -1.70898438e-02, -2.91015625e-01, -2.15820312e-01,
        -2.14843750e-01,  2.14843750e-01, -1.52343750e-01,  1.38671875e-01,
         1.40625000e-01, -3.75976562e-02, -7.95898438e-02,  3.76892090e-03,
        -5.54199219e-02, -1.14746094e-01,  4.19921875e-02, -6.05468750e-02,
        -7.27539062e-02,  9.52148438e-02,  2.81250000e-01, -2.10937500e-01,
        -3.08837891e-02,  1.93359375e-01, -2.49023438e-02, -1.77734375e-01,
```

```
         6.83593750e-02,  1.44531250e-01, -1.79687500e-01, -2.05078125e-01,
        -7.91015625e-02, -1.42578125e-01,  3.05175781e-02,  5.05371094e-02,
         2.61718750e-01, -9.17968750e-02,  3.56445312e-02,  7.61718750e-02,
        -1.42578125e-01,  4.90722656e-02,  4.90722656e-02, -6.59179688e-02,
        -8.69140625e-02,  6.78710938e-02,  6.17675781e-02,  1.68945312e-01,
         3.01513672e-02,  7.22656250e-02, -5.56640625e-02,  1.21459961e-02,
        -2.44140625e-02, -1.53320312e-01, -5.49316406e-02, -2.08007812e-01,
         1.02539062e-01, -1.56250000e-02, -1.07421875e-01, -5.73730469e-02,
        -1.32812500e-01,  1.85546875e-02,  2.02148438e-01, -1.03515625e-01,
        -2.17285156e-02,  6.93359375e-02,  5.81054688e-02, -7.76367188e-02,
        -1.87500000e-01, -8.34960938e-02, -7.95898438e-02, -9.17968750e-02,
        -1.21582031e-01,  7.76367188e-02, -9.13085938e-02,  6.98242188e-02,
        -1.38671875e-01,  5.24520874e-05, -1.46484375e-01,  1.60156250e-01,
        -6.59179688e-02,  7.12890625e-02,  1.71875000e-01, -9.13085938e-02,
         6.05468750e-02, -1.38671875e-01, -1.44531250e-01, -6.40869141e-04,
         1.48437500e-01, -6.98242188e-02,  1.97265625e-01,  1.09863281e-01,
         7.71484375e-02,  1.24023438e-01, -2.32421875e-01, -6.64062500e-02,
         1.07421875e-01,  1.74560547e-02, -5.76171875e-02, -1.24511719e-02,
        -6.83593750e-02, -7.03125000e-02,  1.76757812e-01, -3.90625000e-02,
         6.73828125e-02, -7.17773438e-02, -2.07031250e-01, -6.03027344e-0
2],
       dtype=float32),
 'finger': array([ 2.59765625e-01, -1.39648438e-01,  2.44140625e-02, -1.894
53125e-01,
        -4.76562500e-01,  8.00781250e-02,  2.25585938e-01, -3.08593750e-01,
        -1.26953125e-01, -5.49316406e-02, -1.93359375e-01, -7.76367188e-02,
         1.54296875e-01, -1.10839844e-01, -5.59082031e-02,  1.21582031e-01,
        -3.26171875e-01, -2.06298828e-02, -5.95703125e-02, -2.49023438e-01,
         1.07421875e-01,  3.22265625e-02,  9.91210938e-02,  3.49121094e-02,
        -9.86328125e-02, -2.75390625e-01,  8.25195312e-02,  3.10546875e-01,
         4.74609375e-01,  1.14257812e-01, -2.30468750e-01,  1.49414062e-01,
         2.07031250e-01, -2.06054688e-01,  1.35742188e-01,  2.49023438e-01,
         5.85937500e-02,  2.81250000e-01,  5.59082031e-02, -1.29699707e-03,
        -6.86645508e-03,  6.29882812e-02,  2.36328125e-01, -2.94921875e-01,
         5.62500000e-01,  6.80541992e-03, -2.06054688e-01, -1.42822266e-02,
         1.84570312e-01,  1.05590820e-02, -2.16796875e-01,  2.35351562e-01,
        -1.78222656e-02, -5.03906250e-01, -7.37304688e-02,  4.58984375e-02,
        -8.69140625e-02, -9.42382812e-02, -1.08398438e-01,  1.07421875e-01,
        -2.00195312e-01,  4.62890625e-01, -7.51953125e-02,  3.34472656e-02,
        -9.17968750e-02, -6.93359375e-02, -7.32421875e-02,  1.75781250e-02,
         2.31445312e-01,  3.36914062e-02,  1.03515625e-01, -6.88476562e-02,
         8.34960938e-02, -1.19628906e-01, -3.51562500e-01, -2.75390625e-01,
         3.78906250e-01,  1.08886719e-01,  9.42382812e-02, -4.54101562e-02,
        -5.90820312e-02,  5.39062500e-01,  1.76757812e-01, -1.57226562e-01,
         3.66210938e-02, -2.05078125e-02, -3.44238281e-02,  1.01074219e-01,
         2.25585938e-01, -8.83789062e-02, -3.14453125e-01, -2.32421875e-01,
         1.02539062e-01, -6.34765625e-02, -1.43554688e-01,  1.77734375e-01,
         4.72656250e-01, -1.63085938e-01, -1.21582031e-01,  9.57031250e-02,
        -1.85546875e-01, -4.45312500e-01, -1.19140625e-01,  1.55273438e-01,
         1.45507812e-01, -1.34765625e-01,  4.55078125e-01,  2.85156250e-01,
         4.62890625e-01, -2.28515625e-01,  1.85546875e-01, -3.71093750e-01,
         1.03515625e-01, -1.18652344e-01, -1.43554688e-01,  1.61132812e-02,
         2.61718750e-01,  3.24707031e-02,  1.33789062e-01, -1.13769531e-01,
         2.38037109e-02,  3.08593750e-01, -9.76562500e-02,  1.10839844e-01,
         6.68945312e-02, -4.93164062e-02,  3.69140625e-01, -4.96093750e-01,
        -2.04101562e-01,  9.37500000e-02, -2.91015625e-01,  4.72656250e-01,
        -1.70898438e-01, -1.65039062e-01,  1.79687500e-01, -7.56835938e-02,
         2.09960938e-01,  2.41210938e-01, -3.44238281e-02,  1.46484375e-02,
         3.41796875e-01, -1.50390625e-01, -3.85742188e-02, -1.24511719e-01,
         5.41992188e-02,  9.81445312e-02, -2.09960938e-01, -1.12792969e-01,
         1.35742188e-01,  1.79687500e-01,  1.51367188e-01, -8.83789062e-02,
        -2.53906250e-01,  4.25781250e-01,  5.29785156e-02, -1.03515625e-01,
        -9.08203125e-02, -1.73828125e-01,  1.33789062e-01, -1.51367188e-01,
        -7.35473633e-03, -5.46875000e-02,  4.49218750e-01, -1.22070312e-01,
```

```
        -1.82617188e-01, -3.63769531e-02, -1.04003906e-01, -2.71484375e-01,
        -2.42187500e-01, -2.07031250e-01, -1.40625000e-01, -1.98242188e-01,
        -1.01562500e-01,  3.06396484e-02, -1.51367188e-01, -1.35742188e-01,
         4.56542969e-02, -2.38281250e-01, -2.62451172e-02,  4.24804688e-02,
        -4.43359375e-01,  2.34375000e-02,  2.71484375e-01,  1.12304688e-01,
         2.14843750e-02,  3.51562500e-01, -3.53515625e-01,  1.20639801e-04,
         3.28125000e-01,  3.37890625e-01,  3.39843750e-01,  2.89306641e-02,
         7.32421875e-02, -3.14453125e-01, -1.33789062e-01,  2.24609375e-01,
        -2.77343750e-01,  7.03125000e-02,  1.33056641e-02, -1.16699219e-01,
        -1.75781250e-01,  7.56835938e-02, -1.09863281e-01,  4.17968750e-01,
         2.30468750e-01, -1.83593750e-01, -3.47656250e-01, -1.59179688e-01,
         1.87500000e-01, -1.76757812e-01,  9.37500000e-02, -6.25000000e-02,
        -1.50390625e-01, -2.53906250e-02,  3.45703125e-01, -4.98046875e-02,
         1.04003906e-01, -3.90625000e-02,  2.15820312e-01, -1.15722656e-01,
         1.68945312e-01,  3.19824219e-02, -2.14843750e-01, -6.25000000e-02,
        -1.23046875e-01,  9.37500000e-02,  1.96289062e-01,  7.81250000e-02,
         9.57031250e-02,  1.58203125e-01, -3.44238281e-02,  1.89453125e-01,
        -1.93359375e-01,  2.45117188e-01,  4.66308594e-02, -6.49414062e-02,
         1.68945312e-01,  5.46875000e-01,  1.61132812e-01,  6.29882812e-02,
        -1.08642578e-02, -1.21582031e-01, -2.63671875e-01, -9.96093750e-02,
         2.14843750e-01,  1.75781250e-01,  1.35742188e-01, -1.90429688e-01,
         2.44140625e-01, -8.78906250e-02, -2.45117188e-01, -6.29882812e-02,
         6.44531250e-02, -2.55859375e-01,  1.26342773e-02, -1.74804688e-01,
        -4.73632812e-02,  4.58984375e-01, -4.07714844e-02, -1.87500000e-01,
        -7.17773438e-02, -3.41796875e-01, -6.07910156e-02, -7.76367188e-02,
         1.01562500e-01, -8.30078125e-02, -8.15429688e-02, -2.23388672e-02,
         1.32812500e-01, -7.47070312e-02, -1.68945312e-01,  2.43164062e-01,
         2.94189453e-02, -1.08398438e-01,  5.39062500e-01, -1.58203125e-01,
         1.22558594e-01, -1.96289062e-01, -2.51464844e-02, -1.69921875e-01,
         1.67968750e-01, -1.03515625e-01, -1.83593750e-01,  1.90734863e-03,
        -2.12890625e-01, -2.27539062e-01, -1.85546875e-01,  1.15722656e-01,
        -1.64794922e-02,  2.75390625e-01,  1.75781250e-01,  3.80859375e-01,
        -1.48437500e-01, -3.54003906e-02,  3.80859375e-01,  7.86132812e-02,
         8.30078125e-02, -4.83398438e-02, -5.15625000e-01,  2.08740234e-0
2],
       dtype=float32),
 'handle': array([ 4.36401367e-03,  9.03320312e-02, -1.03149414e-02, -1.044
92188e-01,
        -1.40625000e-01,  1.02539062e-02,  1.57226562e-01, -1.50756836e-02,
         5.95703125e-02, -1.69677734e-02,  9.86328125e-02, -1.56250000e-01,
        -4.02832031e-02, -3.34472656e-02,  9.42382812e-02,  3.19824219e-02,
        -4.63867188e-02,  2.87109375e-01, -3.68652344e-02, -2.42919922e-02,
        -1.15356445e-02, -2.63671875e-02,  3.55468750e-01,  4.71191406e-02,
         1.83593750e-01, -8.20312500e-02, -1.45507812e-01, -3.73535156e-02,
        -1.57226562e-01, -1.55273438e-01,  2.35351562e-01,  2.87109375e-01,
        -9.96093750e-02, -6.59179688e-02,  9.37500000e-02, -1.40625000e-01,
        -8.34960938e-02,  1.23535156e-01,  1.09375000e-01,  1.79687500e-01,
         2.85156250e-01,  7.27539062e-02, -7.95898438e-02, -5.83496094e-02,
        -2.29492188e-01, -1.78710938e-01, -1.04003906e-01,  5.17578125e-02,
        -7.14111328e-03,  7.42187500e-02, -1.06445312e-01, -1.27929688e-01,
        -1.28906250e-01, -1.45507812e-01, -2.75390625e-01,  1.46484375e-01,
        -3.36914062e-02, -4.39453125e-02,  1.33789062e-01, -1.51367188e-01,
        -1.11694336e-02, -6.07910156e-02, -2.20703125e-01,  8.10546875e-02,
         2.31445312e-01, -1.75781250e-01, -7.27539062e-02, -1.01562500e-01,
        -6.54296875e-02,  1.41601562e-01,  4.43359375e-01,  7.81250000e-03,
         4.88281250e-01, -5.82885742e-03, -2.46093750e-01, -2.25585938e-01,
         7.56835938e-02,  1.78710938e-01, -2.01171875e-01, -1.67236328e-02,
        -8.39843750e-02,  9.91210938e-02, -1.45721436e-03, -1.44531250e-01,
         2.02148438e-01,  2.60009766e-02, -5.41992188e-02,  5.63964844e-02,
        -4.68750000e-02,  3.38745117e-03,  5.76171875e-02, -1.01928711e-02,
         1.04492188e-01,  6.59179688e-02,  3.04687500e-01, -6.98242188e-02,
         1.68945312e-01,  3.82995605e-03,  1.14257812e-01, -4.10156250e-02,
        -4.19921875e-02, -1.15234375e-01,  2.41699219e-02, -4.10156250e-02,
        -9.91210938e-02, -5.00000000e-01, -3.95507812e-02, -2.89062500e-01,
```

```
         4.61425781e-02, -9.81445312e-02,  1.29882812e-01, -1.84570312e-01,
         1.20239258e-02, -2.91015625e-01, -2.70996094e-02,  2.01171875e-01,
         1.33789062e-01,  2.08984375e-01,  1.04003906e-01,  9.96093750e-02,
        -2.69531250e-01, -5.73730469e-02,  7.47070312e-02,  9.52148438e-02,
         8.05664062e-02,  1.86523438e-01, -1.42578125e-01,  1.09863281e-01,
         2.75390625e-01, -1.82617188e-01,  1.66992188e-01, -1.31835938e-02,
        -1.82617188e-01,  1.56250000e-01,  2.55859375e-01, -6.20117188e-02,
         7.95898438e-02,  3.28125000e-01, -7.37304688e-02, -2.87109375e-01,
         3.03955078e-02, -4.17480469e-02, -2.75878906e-02,  4.90722656e-02,
         6.22558594e-03, -1.27929688e-01, -9.91210938e-02, -1.19628906e-01,
        -2.19726562e-02,  1.20605469e-01,  8.49609375e-02,  3.12500000e-02,
        -1.65039062e-01, -7.66601562e-02, -1.59179688e-01,  3.80859375e-02,
        -2.11914062e-01, -2.22656250e-01, -1.49414062e-01,  1.24023438e-01,
         1.18164062e-01, -7.56835938e-02, -4.83398438e-02, -2.01171875e-01,
         6.07910156e-02,  3.63769531e-02, -3.02734375e-02, -1.24023438e-01,
         1.31835938e-01, -5.41992188e-02, -1.04003906e-01, -1.43554688e-01,
         4.82559204e-04, -5.83496094e-02, -4.76074219e-03,  1.55273438e-01,
         2.09960938e-01,  1.51977539e-02, -3.45703125e-01, -6.83593750e-02,
         4.05273438e-02,  9.37500000e-02, -4.80957031e-02, -1.04370117e-02,
        -1.84570312e-01, -6.28662109e-03,  3.05175781e-03, -1.00097656e-01,
        -2.49023438e-01,  1.69921875e-01,  2.71484375e-01, -5.85937500e-03,
        -7.42187500e-02, -3.85742188e-02, -1.66015625e-01, -2.19726562e-01,
         4.22363281e-02, -2.92968750e-01, -7.47070312e-02, -3.06640625e-01,
         9.32617188e-02, -5.02929688e-02, -9.61914062e-02,  1.73828125e-01,
         7.81250000e-03, -1.54296875e-01, -2.27539062e-01, -3.06640625e-01,
         2.65625000e-01,  1.99218750e-01,  3.73535156e-02,  7.81250000e-03,
         5.95703125e-02, -1.23535156e-01, -1.40625000e-01, -2.48046875e-01,
         4.29687500e-02, -1.79443359e-02, -2.08007812e-01,  1.28906250e-01,
         1.00097656e-02,  3.18359375e-01, -5.12695312e-03, -1.61132812e-01,
         1.66015625e-01, -6.73828125e-02, -6.12792969e-02, -1.15234375e-01,
         6.98242188e-02, -1.98364258e-03, -1.61132812e-02,  1.90429688e-02,
        -1.00708008e-03, -4.88281250e-02,  8.85009766e-03,  6.10351562e-03,
        -1.41601562e-01, -2.14843750e-01,  9.07897949e-04,  5.88378906e-02,
        -1.39648438e-01,  1.46484375e-01, -1.15722656e-01, -3.32031250e-02,
        -1.22558594e-01, -2.25585938e-01, -2.23632812e-01, -7.86132812e-02,
         8.69140625e-02, -1.86523438e-01,  7.91015625e-02,  3.19824219e-02,
         1.42822266e-02,  1.57226562e-01,  4.80957031e-02, -4.76074219e-02,
        -1.15234375e-01,  9.52148438e-02, -2.03125000e-01, -8.59375000e-02,
         5.00488281e-02,  1.58203125e-01, -9.71679688e-02,  1.08398438e-01,
         1.73828125e-01,  9.42382812e-02,  2.28515625e-01,  3.56445312e-02,
        -1.49414062e-01,  1.61132812e-01,  1.36718750e-01,  1.98242188e-01,
         1.17675781e-01, -2.02941895e-03,  1.34765625e-01, -1.68945312e-01,
        -4.46777344e-02, -1.67968750e-01, -6.05468750e-02, -3.06640625e-01,
        -1.10351562e-01,  5.00488281e-02,  2.81250000e-01,  9.37500000e-02,
         1.86523438e-01, -7.17773438e-02, -2.34375000e-01, -2.18505859e-02,
         2.32421875e-01,  1.56250000e-01,  9.42382812e-02,  9.27734375e-02,
         3.63769531e-02,  9.03320312e-02, -1.01562500e-01,  6.39648438e-02,
         7.87353516e-03, -1.92382812e-01, -7.56835938e-02, -1.31835938e-0
1],
       dtype=float32),
 'feel': array([-5.56640625e-02,  1.37329102e-02, -1.41601562e-01, -5.15136
719e-02,
        -1.51367188e-01, -2.07519531e-03,  1.69921875e-01, -1.71875000e-01,
         6.59179688e-02,  3.90625000e-03, -2.55859375e-01, -1.74804688e-01,
        -5.76782227e-03,  5.95703125e-02,  2.56347656e-02,  1.04003906e-01,
         1.23046875e-01,  3.98437500e-01,  3.66210938e-02, -8.10546875e-02,
        -5.78613281e-02,  9.86328125e-02,  1.64062500e-01, -1.23535156e-01,
         2.69531250e-01, -1.41601562e-01, -1.44958496e-04, -1.72851562e-01,
         8.39843750e-02, -1.69921875e-01, -9.61914062e-02,  9.88769531e-03,
        -5.63964844e-02,  1.44531250e-01,  1.81640625e-01, -1.27929688e-01,
         1.67968750e-01,  9.66796875e-02, -6.20117188e-02,  1.96289062e-01,
         1.40625000e-01, -9.61914062e-02,  1.82617188e-01, -3.80859375e-02,
         1.59179688e-01,  3.93066406e-02, -3.51562500e-02,  4.76074219e-02,
        -5.83496094e-02,  8.05664062e-03, -6.37817383e-03,  1.69921875e-01,
```

```
       -8.39843750e-02, -1.75781250e-02,  7.91015625e-02, -1.12304688e-02,
       -3.24707031e-02,  2.06298828e-02,  7.17773438e-02, -6.10351562e-02,
       -1.50756836e-02,  1.46484375e-01, -2.47070312e-01, -1.51367188e-01,
        9.94873047e-03, -1.76757812e-01, -1.32812500e-01,  1.11328125e-01,
       -5.44433594e-02,  8.34960938e-02, -4.00390625e-02,  2.13867188e-01,
        1.76757812e-01, -5.98144531e-03, -2.08984375e-01, -3.69140625e-01,
       -2.62451172e-03, -2.40478516e-02,  2.41210938e-01,  2.89062500e-01,
        9.03320312e-03, -5.37109375e-02,  2.42187500e-01,  1.09863281e-01,
       -1.43554688e-01,  4.54101562e-02, -2.67578125e-01,  1.62109375e-01,
        1.90429688e-01,  1.27563477e-02, -1.40625000e-01,  2.38037109e-02,
       -2.81250000e-01, -9.96093750e-02,  7.03125000e-02,  2.97851562e-02,
        2.73437500e-01,  1.56250000e-01, -3.44848633e-03, -2.67578125e-01,
       -8.83789062e-02, -2.23632812e-01,  2.53906250e-02,  3.08593750e-01,
       -1.13281250e-01,  8.74023438e-02,  4.98046875e-02, -1.73339844e-02,
        2.91748047e-02, -1.04492188e-01, -1.03515625e-01,  3.54003906e-03,
        2.10937500e-01, -2.11181641e-02, -7.66601562e-02, -2.21679688e-01,
       -1.20849609e-02, -5.76171875e-02, -8.98437500e-02,  7.47070312e-02,
       -2.00195312e-01,  1.80816650e-03, -1.17675781e-01,  2.45117188e-01,
       -5.07812500e-02,  8.88671875e-02, -6.34765625e-02, -3.27148438e-02,
        6.88476562e-02, -7.12890625e-02, -1.84570312e-01, -8.20312500e-02,
       -2.96875000e-01,  2.22656250e-01,  2.13867188e-01, -1.38671875e-01,
        1.46484375e-01,  2.67578125e-01,  3.66210938e-02,  3.24707031e-02,
       -1.31225586e-02, -1.66015625e-01,  3.46679688e-02, -1.12304688e-01,
       -1.25000000e-01, -1.29882812e-01,  7.61718750e-02,  7.47070312e-02,
       -1.18652344e-01, -1.08398438e-01,  9.88769531e-03,  5.34667969e-02,
       -1.38671875e-01,  1.24511719e-01,  9.37500000e-02,  3.63769531e-02,
       -1.91406250e-01, -1.61132812e-01, -3.02734375e-01,  4.98046875e-02,
        1.54296875e-01,  2.60925293e-03, -4.51660156e-02,  2.43164062e-01,
        2.31933594e-02, -1.67968750e-01,  7.47070312e-02, -1.38671875e-01,
        2.16796875e-01, -4.11987305e-03, -2.36328125e-01, -8.00781250e-02,
        1.13769531e-01, -2.25585938e-01, -2.24609375e-01, -2.16796875e-01,
        1.56250000e-01, -6.29882812e-02, -6.39648438e-02,  5.41992188e-02,
        8.59375000e-02,  9.91210938e-02,  1.92382812e-01,  8.49609375e-02,
       -2.09960938e-01, -3.32031250e-01, -2.01171875e-01, -2.79541016e-02,
        2.01171875e-01, -1.85546875e-01, -2.13867188e-01, -1.34765625e-01,
        6.59179688e-02, -1.68945312e-01, -1.23291016e-02, -2.47070312e-01,
       -3.41796875e-02,  1.21582031e-01, -9.03320312e-02,  2.11181641e-02,
       -3.46679688e-02, -3.68652344e-02, -1.89453125e-01, -4.85839844e-02,
       -7.71484375e-02, -1.34277344e-02, -2.33154297e-02, -1.28906250e-01,
        5.44433594e-02,  2.90527344e-02, -4.17480469e-02,  2.49023438e-01,
        9.42382812e-02, -4.12597656e-02, -2.73437500e-01,  2.06298828e-02,
       -8.88671875e-02, -5.81054688e-02, -1.45507812e-01, -2.79296875e-01,
        5.61523438e-02, -3.75000000e-01, -2.16796875e-01, -5.78613281e-02,
        2.33154297e-02, -8.39843750e-02,  8.64257812e-02, -1.17187500e-01,
       -8.93554688e-02,  6.17675781e-02, -1.47460938e-01,  1.75781250e-01,
       -2.53906250e-01,  1.04492188e-01,  9.76562500e-02,  2.96875000e-01,
       -1.91406250e-01, -8.00781250e-02,  3.97949219e-02, -6.83593750e-02,
        7.56835938e-02,  1.95312500e-01,  1.28906250e-01, -7.32421875e-02,
       -2.17773438e-01,  8.34960938e-02,  8.69140625e-02,  1.69921875e-01,
       -1.29882812e-01,  7.91015625e-02, -6.98852539e-03,  1.48437500e-01,
        2.61718750e-01,  1.55273438e-01,  1.33056641e-02, -1.86523438e-01,
        5.90820312e-02, -4.27246094e-02,  1.10351562e-01,  4.76074219e-02,
        6.07910156e-02, -9.08203125e-02, -1.40625000e-01,  9.27734375e-02,
        5.66406250e-02,  2.83203125e-01,  1.71875000e-01, -1.60156250e-01,
       -1.60156250e-01, -1.43432617e-02,  1.16210938e-01,  3.39843750e-01,
        2.65625000e-01,  6.44531250e-02, -2.22656250e-01, -2.31445312e-01,
       -3.16406250e-01, -1.32812500e-01, -1.25976562e-01, -8.69140625e-02,
        2.07031250e-01, -2.09960938e-01,  6.49414062e-02,  7.12890625e-02,
        5.68847656e-02, -2.83203125e-02, -2.45117188e-01, -1.37695312e-01,
       -7.61718750e-02, -1.03027344e-01, -2.13867188e-01,  1.32812500e-01,
       -4.73632812e-02,  2.09960938e-02, -4.49218750e-02, -5.07812500e-02,
        3.36914062e-02,  2.50244141e-03,  1.66992188e-01, -6.83593750e-0
2],
      dtype=float32),
```

```
 'object': array([ 2.92968750e-01, -6.29882812e-02,  8.34960938e-02,  4.345
70312e-02,
        -5.62500000e-01,  1.54296875e-01,  2.73437500e-01, -5.29785156e-02,
         8.49609375e-02,  1.45507812e-01, -1.11816406e-01, -1.50390625e-01,
        -4.66308594e-02,  2.00195312e-02,  2.56347656e-02,  5.24902344e-02,
         4.32128906e-02,  3.88183594e-02,  8.83789062e-02, -1.82617188e-01,
        -1.06933594e-01, -8.69140625e-02, -1.18164062e-01, -7.81250000e-02,
         1.00585938e-01, -7.08007812e-02,  1.44531250e-01,  7.12890625e-02,
         1.04980469e-01, -2.77343750e-01, -3.68652344e-02, -2.83203125e-01,
        -1.27929688e-01, -1.33789062e-01,  1.25000000e-01, -1.19140625e-01,
         2.46093750e-01,  1.03515625e-01, -5.73730469e-02,  1.25976562e-01,
         6.07910156e-02,  1.89453125e-01,  4.19921875e-01,  1.68945312e-01,
        -1.14257812e-01, -3.53515625e-01,  1.14746094e-01, -5.05371094e-02,
         5.81054688e-02,  4.68750000e-02, -7.61718750e-02, -8.59375000e-02,
        -2.01171875e-01, -1.20117188e-01, -1.88476562e-01,  3.41796875e-01,
         4.24804688e-02,  3.85742188e-02,  5.44433594e-02, -6.73828125e-02,
         1.18164062e-01, -1.77734375e-01, -9.52148438e-02, -2.28881836e-03,
        -4.08203125e-01, -7.03125000e-02, -1.24023438e-01, -1.50390625e-01,
        -2.51953125e-01,  1.06933594e-01, -4.02832031e-02, -3.86718750e-01,
         2.94921875e-01, -1.35742188e-01, -2.10937500e-01, -1.97753906e-02,
         1.93359375e-01,  4.41894531e-02,  6.64062500e-02,  3.44238281e-02,
         1.86523438e-01,  1.05957031e-01, -3.18908691e-03, -1.46484375e-01,
        -2.79541016e-02, -4.56542969e-02,  1.05468750e-01, -3.24707031e-02,
         2.61718750e-01, -1.21582031e-01, -1.25000000e-01, -2.10937500e-01,
        -8.25195312e-02,  1.14746094e-01,  4.02343750e-01,  2.42614746e-03,
         2.61718750e-01,  8.69140625e-02,  1.07421875e-02,  9.81445312e-02,
         8.64257812e-02,  4.51660156e-02, -8.74023438e-02, -7.47070312e-02,
         1.48437500e-01, -6.46972656e-03,  2.43164062e-01,  5.90820312e-02,
         1.31835938e-01, -1.94335938e-01, -2.48046875e-01, -1.32812500e-01,
         7.56835938e-02, -6.53076172e-03,  2.35351562e-01,  3.22265625e-01,
         2.25830078e-02, -1.44531250e-01, -9.57031250e-02,  1.74804688e-01,
         1.21093750e-01, -1.25000000e-01,  1.86523438e-01,  8.30078125e-02,
        -1.85546875e-01,  1.02539062e-02,  2.94189453e-02, -8.20312500e-02,
         8.49609375e-02, -2.56347656e-02, -1.72424316e-03, -2.22656250e-01,
        -3.22265625e-01, -1.26342773e-02,  1.90429688e-01,  8.10546875e-02,
         1.55639648e-02, -5.83496094e-02,  1.87500000e-01,  1.03515625e-01,
         1.60156250e-01, -1.08886719e-01, -2.18750000e-01,  1.92382812e-01,
        -5.73730469e-02,  1.12792969e-01, -5.54199219e-02, -1.46484375e-02,
        -1.67968750e-01, -3.41796875e-02,  2.02148438e-01, -2.09960938e-02,
        -8.74023438e-02, -1.04003906e-01,  2.08007812e-01,  4.90722656e-02,
        -3.82812500e-01, -1.29882812e-01,  1.05590820e-02,  8.74023438e-02,
         8.00781250e-02,  3.44238281e-02,  1.94335938e-01, -1.71875000e-01,
        -5.02929688e-02,  3.08227539e-03, -8.83789062e-02, -3.36914062e-02,
        -7.22656250e-02,  2.40478516e-02, -3.49121094e-02,  4.95910645e-04,
        -2.51953125e-01,  2.40234375e-01, -2.04101562e-01, -1.57226562e-01,
         1.42578125e-01, -1.41601562e-01,  5.49316406e-02, -1.26953125e-01,
        -7.12890625e-02,  2.31933594e-02, -9.27734375e-02, -7.27539062e-02,
         1.20117188e-01,  1.42578125e-01,  3.88183594e-02, -4.41894531e-02,
         4.76074219e-02,  7.27539062e-02,  1.09863281e-01, -1.06201172e-02,
        -2.17285156e-02, -5.71289062e-02, -1.53320312e-01, -2.03857422e-02,
        -5.95703125e-02,  5.55419922e-03,  5.46264648e-03,  4.68750000e-02,
         5.15136719e-02, -2.87109375e-01, -3.24218750e-01, -1.60156250e-01,
        -1.77734375e-01,  1.01074219e-01,  3.58886719e-02,  2.47070312e-01,
         8.20312500e-02,  1.84326172e-02, -1.06811523e-02,  6.59179688e-02,
         3.11279297e-02, -3.36914062e-02, -3.86718750e-01, -9.27734375e-02,
         3.05175781e-02,  2.57812500e-01,  6.29882812e-02,  4.24804688e-02,
         2.35351562e-01, -7.51953125e-02, -1.97265625e-01,  1.06933594e-01,
        -7.37304688e-02,  2.39257812e-01,  1.72851562e-01,  2.35351562e-01,
         3.59375000e-01, -1.80664062e-01,  3.75000000e-01, -2.17773438e-01,
        -1.20605469e-01,  6.93359375e-02,  1.86523438e-01,  1.55639648e-03,
        -6.05468750e-02, -1.47460938e-01,  1.13281250e-01, -1.00612640e-04,
        -4.34570312e-02, -2.98828125e-01,  6.05468750e-02, -1.60156250e-01,
         1.00585938e-01, -4.76074219e-02,  6.07910156e-02,  3.88183594e-02,
         1.99218750e-01,  3.07617188e-02, -1.25000000e-01,  5.58471680e-03,
```

```
         7.56835938e-02, -1.09863281e-01, -4.71191406e-02, -1.03027344e-01,
        -2.25585938e-01, -8.34960938e-02,  5.83496094e-02, -1.54296875e-01,
         3.54003906e-02, -1.71875000e-01, -2.32421875e-01, -2.51953125e-01,
        -1.61132812e-02,  2.05078125e-01,  2.05078125e-02, -5.27343750e-02,
        -2.01171875e-01,  4.39453125e-02, -6.93359375e-02, -3.58886719e-02,
        -1.39648438e-01,  1.68945312e-01, -1.39648438e-01, -1.04492188e-01,
        -1.25976562e-01, -2.46093750e-01, -1.75781250e-01,  7.08007812e-02,
         3.32031250e-02,  3.51562500e-01,  1.01074219e-01,  2.71484375e-01,
        -1.73828125e-01, -8.97216797e-03, -1.83593750e-01, -1.56250000e-02,
        -4.12597656e-02, -5.78613281e-02, -2.01171875e-01,  2.55859375e-01,
         9.39941406e-03, -4.34570312e-02, -1.81640625e-01, -1.39160156e-02,
         4.02832031e-02,  1.12915039e-02, -1.43554688e-01,  4.34570312e-0
2],
       dtype=float32),
 'control': array([ 1.49414062e-01,  6.73828125e-02, -9.27734375e-02, -2.05
078125e-01,
        -1.75781250e-01, -2.40478516e-02,  9.47265625e-02, -1.30859375e-01,
         2.24609375e-02, -1.03515625e-01,  9.91210938e-02, -8.05664062e-02,
        -2.16064453e-02,  2.81250000e-01, -1.80664062e-01, -2.46093750e-01,
        -8.25195312e-02,  1.98242188e-01,  5.98144531e-02, -1.17187500e-01,
         1.22680664e-02,  2.49023438e-02,  2.23632812e-01,  4.02343750e-01,
         2.06054688e-01,  1.09863281e-01, -2.96875000e-01,  1.18652344e-01,
         1.32812500e-01,  1.78710938e-01,  5.95703125e-02, -2.32421875e-01,
        -2.65625000e-01,  1.24023438e-01, -7.91015625e-02, -6.68945312e-02,
        -2.67578125e-01, -3.45703125e-01,  9.37500000e-02,  6.93359375e-02,
         4.19921875e-02, -5.76171875e-02,  1.13281250e-01, -8.34960938e-02,
        -1.88476562e-01, -1.31835938e-01,  1.81640625e-01,  5.29785156e-02,
        -2.95410156e-02, -1.58203125e-01, -5.15136719e-02,  1.55273438e-01,
         2.26562500e-01, -1.85546875e-01, -2.79296875e-01,  9.13085938e-02,
        -6.88476562e-02, -8.74023438e-02, -1.33666992e-02, -7.76367188e-02,
         1.17797852e-02,  7.12890625e-02, -1.15234375e-01, -7.27539062e-02,
        -2.77099609e-02,  1.45507812e-01,  2.63671875e-01,  4.86328125e-01,
        -6.17675781e-02,  1.61132812e-02,  3.06640625e-01,  3.11279297e-02,
         1.69921875e-01, -2.06054688e-01, -1.72851562e-01, -2.98828125e-01,
         2.63671875e-01, -6.03027344e-02, -4.29687500e-02,  2.94921875e-01,
         1.88476562e-01,  1.73828125e-01,  2.41210938e-01, -9.03320312e-02,
        -1.78710938e-01,  2.12890625e-01,  1.31835938e-01,  2.06298828e-02,
        -3.53515625e-01, -3.30078125e-01,  1.67968750e-01, -4.66308594e-02,
        -1.46484375e-02, -1.18652344e-01, -7.08007812e-02,  1.26953125e-01,
        -3.06640625e-01, -3.12500000e-01,  4.85839844e-02,  1.41601562e-01,
        -3.29589844e-02, -1.61132812e-02, -1.21093750e-01, -1.50390625e-01,
         2.75390625e-01, -3.14453125e-01,  3.73535156e-02, -2.50000000e-01,
         2.21679688e-01, -9.08203125e-02,  1.66992188e-01, -9.71679688e-02,
        -7.03125000e-02, -2.04101562e-01, -1.81640625e-01,  5.98144531e-02,
         1.48925781e-02,  1.71875000e-01,  1.70898438e-02, -1.33789062e-01,
        -2.46093750e-01, -9.91210938e-02,  5.29785156e-02,  4.17480469e-02,
        -2.19345093e-04, -1.82617188e-01, -1.36718750e-01, -8.74023438e-02,
         2.14843750e-01, -8.34960938e-02,  1.17675781e-01,  2.04101562e-01,
        -1.67236328e-02,  3.39843750e-01,  3.12500000e-01,  8.15429688e-02,
         1.24023438e-01,  1.46484375e-02, -1.69921875e-01,  6.98242188e-02,
         2.08740234e-02,  3.44238281e-02, -1.36718750e-01, -1.79687500e-01,
         9.03320312e-02, -1.15234375e-01,  3.58886719e-02, -1.04980469e-02,
         4.66918945e-03,  5.20019531e-02,  1.13281250e-01,  1.42578125e-01,
        -1.19628906e-01,  2.04101562e-01, -1.50146484e-02,  7.27539062e-02,
         4.68750000e-02, -1.60156250e-01, -1.44531250e-01,  3.54003906e-02,
        -1.14257812e-01,  1.52343750e-01, -2.13623047e-02,  1.05468750e-01,
        -2.24609375e-01, -1.97265625e-01, -2.61718750e-01,  3.00598145e-03,
         2.88085938e-02, -1.87988281e-02, -4.15039062e-02,  1.24023438e-01,
        -1.40625000e-01, -6.29882812e-02,  1.31835938e-01, -6.22558594e-02,
         6.22558594e-02, -1.70898438e-01, -2.29492188e-01, -1.53320312e-01,
        -2.19726562e-01,  1.30004883e-02,  1.44531250e-01, -1.56250000e-01,
         1.17187500e-02,  7.32421875e-02,  1.11328125e-01, -1.01074219e-01,
         3.02734375e-02,  7.51953125e-02,  1.87500000e-01,  6.29882812e-02,
        -2.21679688e-01, -8.64257812e-02, -3.39843750e-01, -1.02539062e-01,
```

```
         2.74658203e-02, -7.03125000e-02,  1.42578125e-01, -3.04687500e-01,
         1.27929688e-01,  1.62109375e-01,  7.42187500e-02, -1.37695312e-01,
         5.07812500e-02, -1.95312500e-01, -1.29394531e-02, -3.04687500e-01,
         1.01562500e-01, -1.73339844e-02,  6.05468750e-02, -6.17675781e-02,
        -5.49316406e-02,  1.85546875e-02, -3.93066406e-02, -2.15820312e-01,
         1.48437500e-01, -2.36328125e-01, -1.10351562e-01, -1.04003906e-01,
        -1.72851562e-01,  5.88378906e-02,  1.09863281e-01, -1.26953125e-01,
        -1.34765625e-01, -1.81640625e-01,  3.12500000e-01, -4.49218750e-02,
         9.94873047e-03,  1.47460938e-01,  7.61718750e-02, -1.53320312e-01,
        -3.00292969e-02,  9.08203125e-02,  7.81250000e-02,  1.96533203e-02,
        -1.01566315e-04, -8.30078125e-02,  3.95507812e-02,  2.07519531e-02,
        -1.56250000e-02, -8.98437500e-02,  1.42211914e-02, -1.04980469e-01,
         8.78906250e-02,  1.58691406e-02, -3.41796875e-02, -8.98437500e-02,
         5.12695312e-02, -7.17773438e-02, -1.59912109e-02,  1.00097656e-01,
        -7.29370117e-03, -2.03857422e-02, -1.09863281e-01, -1.08398438e-01,
        -1.55273438e-01,  3.95507812e-02,  2.92968750e-02, -6.98242188e-02,
         5.98144531e-02, -2.66113281e-02, -9.52148438e-02, -3.00292969e-02,
        -3.78417969e-02, -9.17968750e-02, -9.61914062e-02, -5.51757812e-02,
        -3.02734375e-01,  8.59375000e-02, -5.95703125e-02,  2.24609375e-01,
         1.67968750e-01, -2.96875000e-01, -1.04980469e-01, -9.81445312e-02,
        -2.00195312e-01, -1.77734375e-01, -2.70996094e-02, -3.88183594e-02,
        -8.15429688e-02,  3.12500000e-01,  2.18750000e-01, -7.27539062e-02,
        -4.93164062e-02,  6.29882812e-02, -6.49414062e-02, -1.72119141e-02,
         1.22558594e-01, -2.77343750e-01, -3.12500000e-01,  1.94335938e-01,
         3.71093750e-02,  4.49218750e-02, -5.37109375e-02, -2.29492188e-02,
        -2.53906250e-01,  1.97753906e-02, -1.71875000e-01, -1.12792969e-0
1],
       dtype=float32),
 'occasionally': array([ 0.15625   , -0.10205078, -0.18164062,  0.17480469,
-0.16699219,
        -0.04003906,  0.03662109, -0.05078125,  0.03393555,  0.05517578,
        -0.10058594, -0.21972656, -0.00048447,  0.05737305, -0.31054688,
        -0.08300781, -0.13574219,  0.265625  ,  0.07617188, -0.15722656,
         0.13964844,  0.04150391,  0.02563477,  0.17675781, -0.03710938,
        -0.32421875, -0.08496094,  0.390625  , -0.18945312,  0.078125  ,
        -0.25390625, -0.03833008, -0.03063965,  0.02050781, -0.00274658,
        -0.08496094,  0.08544922, -0.00466919, -0.15429688, -0.16503906,
         0.265625  , -0.11523438,  0.18457031, -0.11083984, -0.02966309,
         0.33007812, -0.23242188,  0.00054169,  0.05761719, -0.09619141,
        -0.10644531, -0.0135498 , -0.23828125,  0.06689453,  0.04150391,
         0.19921875,  0.17089844, -0.20507812,  0.14941406, -0.1875    ,
         0.07910156, -0.00842285, -0.12402344, -0.13183594, -0.08691406,
         0.14550781, -0.00695801,  0.00075531, -0.17578125,  0.12597656,
         0.125     ,  0.03027344, -0.16210938, -0.08007812, -0.24707031,
        -0.02819824, -0.13867188,  0.09375   , -0.02636719, -0.03076172,
         0.00787354, -0.01037598,  0.15527344, -0.15527344, -0.21386719,
         0.13867188, -0.07763672,  0.04931641,  0.01904297, -0.16210938,
         0.0201416 , -0.02819824, -0.21484375, -0.125     ,  0.04541016,
        -0.00082397, -0.00102997, -0.07080078, -0.09179688,  0.12792969,
        -0.01550293, -0.19433594,  0.17578125,  0.10498047, -0.05053711,
        -0.06079102,  0.203125  ,  0.25195312,  0.20703125,  0.0378418 ,
        -0.1328125 ,  0.12451172,  0.09912109,  0.00393677,  0.01831055,
        -0.03344727,  0.13476562, -0.00263977,  0.17675781,  0.10205078,
        -0.04296875,  0.01403809, -0.01171875, -0.03076172, -0.12402344,
        -0.10644531, -0.21875   ,  0.0043335 ,  0.10546875, -0.21679688,
        -0.10644531, -0.25195312, -0.04296875,  0.17675781, -0.01147461,
         0.02722168, -0.09472656, -0.03125   ,  0.01635742,  0.18066406,
         0.15820312, -0.27929688,  0.04882812,  0.20898438,  0.09082031,
        -0.0703125 ,  0.04272461, -0.02490234,  0.02929688,  0.16699219,
         0.05126953,  0.14648438, -0.11376953, -0.01818848, -0.13476562,
        -0.13085938,  0.03710938,  0.15527344, -0.17089844,  0.18945312,
         0.12988281,  0.14746094, -0.00537109,  0.19921875,  0.1796875 ,
         0.04272461,  0.0559082 , -0.203125  ,  0.04272461, -0.19824219,
         0.02294922,  0.11523438, -0.08837891,  0.07177734, -0.14453125,
```

```
        -0.27539062, -0.19824219, -0.13769531, -0.13964844, -0.05493164,
        -0.06542969, -0.13183594,  0.04077148,  0.0546875 ,  0.04589844,
         0.06835938,  0.06079102, -0.09570312, -0.12011719,  0.01062012,
         0.203125  , -0.10253906,  0.09228516, -0.23242188, -0.1484375 ,
         0.05224609, -0.14648438, -0.01757812, -0.06884766,  0.01507568,
         0.24609375,  0.07421875, -0.07128906,  0.02819824,  0.25      ,
        -0.29296875, -0.0213623 ,  0.04736328, -0.11572266, -0.02734375,
        -0.10058594, -0.32421875, -0.22265625, -0.00515747, -0.11181641,
        -0.08398438,  0.01745605,  0.11425781, -0.22265625, -0.25      ,
         0.06982422,  0.16210938, -0.19335938, -0.07324219,  0.03686523,
         0.09570312,  0.14941406,  0.23828125,  0.0201416 , -0.13476562,
         0.01977539,  0.03930664,  0.07714844, -0.04907227,  0.06982422,
         0.13769531,  0.10449219, -0.09033203, -0.06445312,  0.12451172,
        -0.0612793 , -0.14160156, -0.0100708 , -0.125     ,  0.08251953,
         0.05859375,  0.07373047,  0.00439453, -0.16601562,  0.0534668 ,
         0.01599121,  0.02941895,  0.23046875, -0.01226807,  0.08300781,
        -0.09277344,  0.15527344, -0.01263428, -0.01538086,  0.16210938,
         0.05004883,  0.20996094, -0.1640625 ,  0.03710938, -0.08203125,
        -0.01452637, -0.22363281,  0.06298828, -0.00424194, -0.06640625,
         0.109375  ,  0.18457031,  0.03979492,  0.02416992,  0.06884766,
        -0.18457031, -0.15527344,  0.00933838,  0.02966309, -0.15625   ,
         0.31835938, -0.13183594,  0.32226562,  0.12597656,  0.0612793 ,
         0.02209473, -0.24121094, -0.07226562, -0.03637695,  0.16894531,
         0.10302734, -0.0480957 ,  0.08154297, -0.11279297, -0.22070312,
         0.07324219,  0.15429688, -0.10351562,  0.09130859,  0.12890625],
       dtype=float32),
 'stand': array([-2.13623047e-02,  5.93261719e-02,  3.27148438e-02,  1.2402
3438e-01,
        -1.46484375e-01, -1.09863281e-01,  8.74023438e-02,  1.77001953e-02,
         1.33789062e-01,  1.25000000e-01,  1.41601562e-01, -3.17382812e-02,
        -3.32031250e-02,  1.52343750e-01, -5.37109375e-02,  1.69921875e-01,
         5.32226562e-02,  4.48608398e-03, -1.00097656e-01,  4.63867188e-03,
        -8.93554688e-02, -3.78417969e-02, -4.27246094e-02,  3.83300781e-02,
         1.79687500e-01, -1.11816406e-01, -1.52343750e-01,  3.46679688e-02,
         1.97753906e-02, -1.27929688e-01, -2.10937500e-01,  4.58984375e-02,
        -2.51953125e-01,  1.25000000e-01,  5.76171875e-02,  5.95703125e-02,
         6.39648438e-02,  4.98046875e-02,  2.69775391e-02,  1.68609619e-03,
         1.63085938e-01, -7.95898438e-02,  9.37500000e-02, -1.89453125e-01,
        -1.33789062e-01, -2.20947266e-02, -3.14453125e-01, -2.34375000e-01,
        -6.44531250e-02,  1.38854980e-03, -7.91015625e-02,  5.46875000e-02,
         8.49609375e-02,  1.86767578e-02,  2.35351562e-01, -6.49414062e-02,
        -9.57031250e-02, -1.41601562e-01, -1.27929688e-01,  6.64062500e-02,
        -1.05957031e-01, -9.27734375e-02, -2.97851562e-02, -1.84570312e-01,
         7.75146484e-03, -1.30859375e-01, -8.15429688e-02,  6.62231445e-03,
        -9.57031250e-02,  1.20544434e-03,  4.85839844e-02,  2.69531250e-01,
         5.29785156e-02, -3.34472656e-02, -1.18164062e-01, -3.30078125e-01,
         7.61718750e-02, -8.36181641e-03,  9.71679688e-02, -1.37939453e-02,
        -1.06933594e-01, -1.40625000e-01,  1.18164062e-01, -1.02539062e-02,
         4.68750000e-02,  4.90722656e-02,  1.00097656e-01,  5.95703125e-02,
        -8.64257812e-02, -9.39941406e-03,  1.07910156e-01,  4.83398438e-02,
        -1.39648438e-01, -4.29687500e-02,  8.10546875e-02, -1.66015625e-01,
        -3.36914062e-02, -3.90625000e-02, -7.29370117e-03, -2.26562500e-01,
        -1.42578125e-01, -4.95605469e-02,  1.77734375e-01, -3.75976562e-02,
        -1.38671875e-01, -1.35742188e-01,  1.47460938e-01, -6.83593750e-02,
         1.88476562e-01,  1.10351562e-01, -1.34765625e-01, -1.01562500e-01,
        -6.00585938e-02,  4.95605469e-02, -1.43432617e-02, -6.10351562e-02,
        -1.27929688e-01, -1.60156250e-01,  6.53076172e-03,  1.72119141e-02,
         5.56640625e-02, -4.45556641e-03, -1.31835938e-02,  9.61914062e-02,
         4.41894531e-02, -1.36718750e-02, -1.83593750e-01,  2.88085938e-02,
         7.51953125e-02, -2.49023438e-02, -8.91113281e-03,  3.90625000e-02,
        -1.89208984e-02, -4.73632812e-02,  2.02148438e-01,  3.44238281e-02,
         1.31835938e-01,  3.32031250e-02, -9.21630859e-03, -4.10156250e-02,
         1.32812500e-01,  1.01562500e-01,  2.07031250e-01, -4.37011719e-02,
        -1.51367188e-01,  1.16699219e-01,  2.52685547e-02, -3.10546875e-01,
```

```
         2.61718750e-01,  1.22070312e-01,  1.69677734e-02,  2.19726562e-02,
         3.24218750e-01, -1.02539062e-01, -1.66992188e-01,  1.20605469e-01,
        -1.22070312e-01, -3.69140625e-01,  2.90527344e-02, -7.17773438e-02,
        -7.27539062e-02, -1.08398438e-01,  9.27734375e-02, -7.08007812e-02,
         1.60156250e-01, -1.11816406e-01,  2.37304688e-01, -2.14843750e-02,
        -1.27929688e-01, -7.76367188e-02, -2.22656250e-01, -5.02929688e-02,
         5.00488281e-02, -1.63085938e-01, -2.19726562e-01, -2.23632812e-01,
         6.34765625e-02,  4.73632812e-02,  6.25000000e-02,  1.60156250e-01,
        -5.39550781e-02, -2.11181641e-02, -1.80664062e-01, -9.37500000e-02,
        -1.94335938e-01, -2.08984375e-01, -2.41699219e-02, -4.46777344e-02,
        -4.34570312e-02, -1.50390625e-01,  1.62109375e-01,  1.69921875e-01,
         1.07421875e-01,  5.22460938e-02, -1.40625000e-01,  2.12402344e-02,
        -7.35473633e-03, -5.78613281e-02, -1.03515625e-01,  2.63671875e-02,
        -2.10937500e-01,  1.96289062e-01,  9.47265625e-02, -1.37695312e-01,
         3.85742188e-02,  4.32128906e-02,  7.86132812e-02, -7.27539062e-02,
         1.20117188e-01, -1.84570312e-01,  1.23291016e-02,  8.54492188e-02,
         4.66308594e-02,  7.61718750e-02, -3.67187500e-01, -4.63867188e-02,
         1.65039062e-01, -1.11328125e-01, -1.94335938e-01, -6.59179688e-02,
        -3.32031250e-02,  9.61914062e-02, -2.25830078e-02, -9.21630859e-03,
         1.22070312e-01,  1.83105469e-02, -2.45361328e-02,  5.34667969e-02,
         1.75781250e-01,  9.57031250e-02, -2.13867188e-01,  8.78906250e-03,
        -3.63769531e-02,  1.11816406e-01,  1.87500000e-01,  8.88671875e-02,
        -2.42187500e-01,  5.02929688e-02,  4.27246094e-02,  2.41699219e-02,
         7.08007812e-02,  1.19686127e-04, -2.58789062e-02,  3.41796875e-02,
        -3.11279297e-02,  1.35742188e-01,  1.02539062e-01, -1.27929688e-01,
         3.05175781e-02, -4.39453125e-02,  5.66406250e-02, -7.17773438e-02,
        -1.66015625e-01, -1.25000000e-01,  1.10351562e-01,  1.22680664e-02,
        -6.25000000e-02,  5.32226562e-02,  5.81054688e-02,  1.89208984e-02,
        -1.35742188e-01, -9.52148438e-03, -5.34667969e-02,  9.61914062e-02,
         3.26171875e-01,  2.37304688e-01,  6.73828125e-02,  1.82617188e-01,
        -2.15820312e-01, -1.56250000e-01,  3.30078125e-01,  2.44140625e-01,
         1.99218750e-01, -8.30078125e-02,  1.11694336e-02,  3.41796875e-02,
        -2.29492188e-01, -8.39843750e-02, -6.73828125e-02,  3.56445312e-02,
         1.78710938e-01,  3.96728516e-03,  1.64062500e-01,  1.23535156e-01,
        -7.71484375e-02, -2.12890625e-01, -2.03125000e-01,  8.15429688e-02,
        -1.17187500e-01, -1.22680664e-02, -5.66406250e-02,  1.07910156e-01,
         8.44726562e-02,  1.84570312e-01, -2.49023438e-02, -4.12597656e-02,
        -4.12597656e-02, -3.11279297e-02,  4.51660156e-02, -1.12792969e-0
1],
       dtype=float32),
 'walk': array([ 2.47955322e-04, -8.72802734e-03, -1.25000000e-01,  4.57031
250e-01,
        -6.00585938e-02, -5.12695312e-02, -4.85839844e-02, -2.08984375e-01,
        -1.54296875e-01,  1.40625000e-01,  2.53906250e-01, -9.81445312e-02,
         2.41699219e-02,  1.29882812e-01,  8.05664062e-02,  1.02050781e-01,
         2.87109375e-01,  5.68847656e-02,  7.32421875e-02, -1.14746094e-01,
        -4.39453125e-02,  2.48046875e-01, -1.16210938e-01,  8.64257812e-02,
         8.00781250e-02, -1.99218750e-01, -6.15234375e-02, -4.58984375e-02,
         6.31713867e-03, -3.43750000e-01,  1.45874023e-02,  1.50390625e-01,
        -1.38671875e-01, -2.98828125e-01, -2.55859375e-01, -4.23828125e-01,
         1.06445312e-01, -2.85156250e-01,  1.66015625e-02,  1.05468750e-01,
        -1.97265625e-01, -1.44531250e-01,  5.73730469e-02, -8.05664062e-02,
        -8.74023438e-02,  1.33789062e-01, -1.97265625e-01, -1.68945312e-01,
        -1.97265625e-01,  2.05078125e-02, -4.34570312e-02,  1.47460938e-01,
         1.12792969e-01,  6.68945312e-02,  2.65625000e-01, -2.63671875e-01,
         2.03857422e-02, -1.56250000e-01,  5.63964844e-02,  3.66210938e-02,
         1.04492188e-01,  3.17382812e-02,  1.29882812e-01,  3.83300781e-02,
         1.62109375e-01, -5.95703125e-02, -2.30468750e-01,  1.98242188e-01,
        -6.15234375e-02,  1.82617188e-01, -2.05078125e-02,  1.26953125e-01,
         5.22460938e-02, -2.50000000e-01, -2.03125000e-01, -7.56835938e-02,
        -1.81640625e-01, -6.39648438e-02,  6.29882812e-02, -3.93066406e-02,
        -2.83203125e-01, -2.17773438e-01,  9.81445312e-02,  8.30078125e-03,
         1.69921875e-01,  1.26953125e-01, -2.20703125e-01,  1.35742188e-01,
        -3.49121094e-02, -1.16210938e-01, -2.70996094e-02,  4.93164062e-02,
```

```
        -1.88476562e-01, -2.50244141e-02, -1.18652344e-01, -3.35937500e-01,
         1.25000000e-01,  2.12890625e-01, -4.37011719e-02, -1.70898438e-02,
        -1.01562500e-01, -7.12890625e-02, -1.28906250e-01,  1.20117188e-01,
         1.21582031e-01,  9.86328125e-02,  1.61132812e-01, -3.06640625e-01,
         3.90625000e-02, -5.51757812e-02, -2.51464844e-02, -1.08398438e-01,
         5.51757812e-02, -1.69921875e-01,  1.59179688e-01,  2.22167969e-02,
        -1.50390625e-01, -2.53906250e-01, -2.25830078e-02,  3.04687500e-01,
        -2.45117188e-01,  2.15820312e-01, -8.20312500e-02,  2.91015625e-01,
        -1.95312500e-02,  9.17968750e-02,  1.21582031e-01,  2.50000000e-01,
         8.69140625e-02,  5.24902344e-02, -1.23535156e-01, -3.95507812e-02,
         7.91015625e-02,  1.41601562e-01, -4.02832031e-02, -1.19628906e-02,
        -6.73828125e-02,  3.56445312e-02, -1.41601562e-01,  1.53320312e-01,
         6.34765625e-02,  7.91015625e-02, -6.39648438e-02, -6.17675781e-02,
        -1.31835938e-02,  1.76757812e-01,  8.25195312e-02, -2.87109375e-01,
         1.45507812e-01, -2.67578125e-01, -1.48437500e-01, -7.22656250e-02,
         1.07910156e-01,  1.30859375e-01,  1.50390625e-01,  1.61132812e-01,
        -5.15136719e-02, -2.16796875e-01, -2.83203125e-01,  1.96289062e-01,
         1.81640625e-01, -3.64685059e-03,  2.26562500e-01, -2.92968750e-01,
        -1.31835938e-01, -2.37304688e-01,  2.77343750e-01, -6.54296875e-02,
        -9.32617188e-02, -1.39648438e-01, -3.18359375e-01, -3.61328125e-02,
         1.13281250e-01, -4.90722656e-02, -9.57031250e-02,  8.00781250e-02,
         3.41796875e-02,  9.76562500e-02, -6.88476562e-02,  4.73632812e-02,
        -1.84570312e-01, -2.11181641e-02,  7.42187500e-02,  4.19921875e-02,
        -6.68945312e-02, -6.78710938e-02,  3.26171875e-01,  1.32812500e-01,
         4.29687500e-02, -8.10546875e-02, -3.87573242e-03, -3.41796875e-02,
         9.13085938e-02,  1.77734375e-01, -7.61718750e-02, -2.92968750e-02,
        -1.45507812e-01, -3.97949219e-02, -1.22558594e-01,  2.55859375e-01,
        -2.69531250e-01, -1.23535156e-01, -1.26953125e-01, -2.36328125e-01,
         1.75781250e-01,  6.37817383e-03, -2.81982422e-02, -2.50244141e-03,
         1.40625000e-01, -7.27539062e-02, -8.64257812e-02, -7.76367188e-02,
        -2.34375000e-02, -1.00097656e-01, -3.78417969e-02,  1.41601562e-01,
         1.79687500e-01,  2.85644531e-02, -3.39355469e-02, -2.96875000e-01,
         2.09960938e-01,  3.24707031e-02,  2.37304688e-01, -1.09375000e-01,
         2.26562500e-01,  5.78613281e-02,  1.94335938e-01, -2.27050781e-02,
         1.91406250e-01, -2.37304688e-01,  3.16406250e-01,  2.13623047e-03,
        -6.49414062e-02,  1.70898438e-01,  2.59765625e-01,  1.89208984e-02,
        -1.45507812e-01,  1.30859375e-01,  2.89062500e-01, -2.94189453e-02,
         5.12695312e-02, -6.20117188e-02, -2.92968750e-02, -2.24609375e-01,
         1.32812500e-01, -2.20947266e-02,  1.42578125e-01,  2.95410156e-02,
        -4.90722656e-02, -1.77734375e-01,  6.64062500e-02, -3.46679688e-02,
        -5.10253906e-02, -1.00097656e-01,  1.09863281e-01,  9.88769531e-03,
         1.36718750e-01,  6.44531250e-02, -2.16796875e-01,  1.01074219e-01,
        -1.29882812e-01, -2.71484375e-01, -1.73828125e-01,  2.12890625e-01,
         2.51953125e-01,  3.32031250e-02,  3.47656250e-01,  1.85546875e-01,
        -2.08984375e-01,  1.89453125e-01,  3.49121094e-02,  2.09960938e-01,
         1.85546875e-01,  1.47460938e-01,  8.54492188e-02, -1.87500000e-01,
        -2.29492188e-01,  4.24804688e-02, -1.99890137e-03,  5.12695312e-02,
         2.21679688e-01, -2.06298828e-02,  1.83593750e-01,  1.14257812e-01,
         1.12792969e-01, -1.48437500e-01, -2.05078125e-01,  4.54101562e-02,
        -2.83203125e-01,  1.11328125e-01, -2.25585938e-01,  3.10546875e-01,
        -1.75781250e-01,  1.41601562e-01,  7.22656250e-02,  5.98144531e-02,
        -3.73535156e-02, -2.79296875e-01, -7.95898438e-02, -7.32421875e-0
2],
       dtype=float32),
 'run': array([-7.32421875e-02,  8.39843750e-02, -7.44628906e-03,  3.979492
19e-02,
         5.20019531e-02, -2.08007812e-01,  1.19628906e-02, -2.25585938e-01,
         2.00195312e-02,  2.63671875e-01,  1.36718750e-01, -1.07421875e-02,
        -1.21582031e-01,  1.20117188e-01, -3.51562500e-02,  1.19140625e-01,
         1.88476562e-01,  1.94335938e-01,  2.14843750e-02, -1.30859375e-01,
        -6.44531250e-02,  2.04101562e-01,  2.04101562e-01,  1.54876709e-03,
         2.08007812e-01,  6.34765625e-02, -6.25000000e-02,  6.68945312e-02,
        -1.35742188e-01, -6.78710938e-02,  4.88281250e-02,  1.30859375e-01,
        -9.71679688e-02, -1.15234375e-01, -5.15136719e-02, -1.37329102e-02,
```

```
-1.59179688e-01, -1.54296875e-01,  6.07910156e-02,  1.83593750e-01,
 3.00781250e-01,  1.33056641e-02,  5.63964844e-02,  1.07421875e-01,
-4.34570312e-02,  1.72851562e-01, -9.37500000e-02,  7.61718750e-02,
-2.45361328e-02,  1.18652344e-01,  1.25976562e-01,  4.15039062e-02,
 9.52148438e-02,  2.16064453e-02, -4.76074219e-02, -2.29492188e-02,
-9.88769531e-03, -1.37695312e-01,  5.05371094e-02, -1.13525391e-02,
 2.01171875e-01, -4.41894531e-02, -4.12597656e-02,  7.66601562e-02,
 1.89208984e-02, -2.49023438e-02, -5.39550781e-02,  1.67968750e-01,
 4.12597656e-02,  1.09375000e-01, -8.78906250e-02, -5.12695312e-02,
-9.08203125e-02, -1.61132812e-01, -7.17773438e-02, -2.43164062e-01,
 6.54296875e-02, -6.83593750e-02, -6.25000000e-02,  2.97546387e-03,
-1.78222656e-02, -1.95312500e-01, -1.64794922e-02, -3.54003906e-02,
 1.63085938e-01,  1.34765625e-01,  3.41796875e-02,  6.20117188e-02,
-1.68945312e-01, -1.76757812e-01, -1.32446289e-02,  1.88476562e-01,
 1.75781250e-02,  1.50390625e-01,  4.54101562e-02, -8.15429688e-02,
 5.85937500e-02,  1.11328125e-01, -9.61914062e-02,  1.06933594e-01,
-2.40478516e-02, -1.69677734e-02, -6.22558594e-03,  2.17285156e-02,
 8.54492188e-02, -8.59375000e-02, -2.13623047e-02, -2.56347656e-02,
 7.08007812e-02, -2.96630859e-02,  2.55126953e-02, -2.47070312e-01,
-2.63671875e-01, -1.66015625e-01,  5.90820312e-02, -1.78710938e-01,
-8.98437500e-02,  7.08007812e-02,  7.61718750e-02,  2.69531250e-01,
 7.47680664e-03,  4.02832031e-02,  4.85839844e-02,  2.79296875e-01,
 5.24902344e-03, -7.51953125e-02,  4.46777344e-02,  1.80664062e-01,
 1.22070312e-02, -1.27929688e-01, -5.39550781e-02, -3.79943848e-03,
 1.95312500e-01, -7.42187500e-02, -1.86523438e-01, -5.10215759e-05,
 1.84326172e-02, -3.71093750e-02, -2.09960938e-01,  5.02929688e-02,
-1.08032227e-02, -8.39843750e-02, -1.94091797e-02,  9.57031250e-02,
 5.00488281e-02, -1.01318359e-02, -9.13085938e-02, -2.15820312e-01,
-1.56250000e-02, -2.18505859e-02, -1.18164062e-01,  4.68750000e-02,
 6.29882812e-02, -9.76562500e-03,  8.34960938e-02, -1.25976562e-01,
-1.52343750e-01, -2.43164062e-01, -1.06445312e-01, -5.05371094e-02,
-7.81250000e-02,  1.21582031e-01,  9.52148438e-02, -1.19140625e-01,
-1.63574219e-02, -7.56835938e-02,  6.15234375e-02, -6.54296875e-02,
 1.45507812e-01, -1.50390625e-01, -2.79296875e-01, -1.60156250e-01,
 2.21679688e-01, -2.23632812e-01, -3.11279297e-02,  7.12890625e-02,
 9.32617188e-02, -5.10253906e-02, -8.78906250e-02,  1.43554688e-01,
-1.84570312e-01, -5.73730469e-02, -3.17382812e-02,  1.41143799e-04,
 3.73535156e-02, -1.49414062e-01,  1.63085938e-01,  1.04980469e-01,
 1.37695312e-01, -8.49609375e-02,  1.45507812e-01,  1.68457031e-02,
 1.17675781e-01,  2.16796875e-01, -9.96093750e-02, -1.07421875e-01,
 7.71484375e-02, -2.54821777e-03, -5.93261719e-02,  4.00390625e-02,
-4.57763672e-03,  5.81054688e-02,  4.68750000e-02, -1.10839844e-01,
 1.37695312e-01, -1.25976562e-01, -4.63867188e-03, -1.23046875e-01,
 6.93359375e-02, -4.49218750e-02, -7.14111328e-03,  1.44531250e-01,
 5.27343750e-02,  9.52148438e-02,  4.24804688e-02, -4.76074219e-02,
 1.89453125e-01, -6.98242188e-02, -6.73828125e-02, -8.15429688e-02,
 1.97265625e-01,  3.86047363e-03,  8.54492188e-02, -6.88476562e-02,
 1.62109375e-01,  7.71484375e-02,  2.61230469e-02,  7.23266602e-03,
 7.27539062e-02, -3.41796875e-02,  5.41992188e-02,  9.72747803e-04,
-1.39770508e-02,  1.34765625e-01, -2.28515625e-01,  5.20019531e-02,
 1.83105469e-02, -4.05883789e-03,  7.47070312e-02, -2.00195312e-01,
-1.33789062e-01,  5.76171875e-02, -8.30078125e-02, -2.31445312e-01,
 6.59179688e-02,  9.32617188e-02,  6.88476562e-02, -1.70898438e-02,
 2.24609375e-01, -1.86523438e-01, -9.61914062e-02,  3.56445312e-02,
-9.08203125e-02,  1.50390625e-01,  1.97265625e-01,  3.54003906e-02,
-4.29687500e-02,  6.59179688e-03, -1.49414062e-01, -2.01416016e-02,
 6.80541992e-03,  2.17773438e-01, -9.37500000e-02,  2.37304688e-01,
 8.34960938e-02,  6.49414062e-02,  1.35742188e-01,  1.91406250e-01,
-2.48046875e-01,  2.22656250e-01,  1.25122070e-02,  5.51757812e-02,
-2.18505859e-02,  1.77734375e-01,  5.37109375e-02, -1.52343750e-01,
 8.85009766e-03, -3.00781250e-01,  9.32617188e-02, -1.25122070e-03,
 1.10839844e-01,  6.44531250e-02,  5.90820312e-02,  9.91210938e-02,
-1.77001953e-02, -2.30468750e-01,  6.93359375e-02, -2.27355957e-03,
-2.33154297e-02,  8.78906250e-03, -3.22265625e-02,  1.51367188e-01,
```

```
        -2.57812500e-01,  7.56835938e-02,  8.05664062e-02, -6.59179688e-02,
        -6.80541992e-03, -1.70898438e-01, -1.50390625e-01, -5.41992188e-0
2],
       dtype=float32),
 'sit': array([ 0.06933594, -0.05249023,  0.16308594,  0.34765625,  0.00775
146,
        -0.13378906,  0.08740234, -0.11621094,  0.29882812,  0.10595703,
        -0.11816406, -0.00263977, -0.08154297, -0.02478027, -0.1484375 ,
         0.19042969,  0.20410156,  0.04077148, -0.1640625 ,  0.00323486,
        -0.12402344,  0.3046875 , -0.23242188,  0.01708984,  0.19335938,
        -0.05664062,  0.0088501 , -0.00109863, -0.27734375, -0.25390625,
        -0.20996094,  0.30664062, -0.25976562, -0.10253906,  0.03125   ,
        -0.23730469,  0.18261719, -0.04394531, -0.01342773,  0.05615234,
        -0.19335938, -0.06225586,  0.21386719, -0.11523438, -0.07275391,
         0.18066406, -0.25195312, -0.07324219, -0.05541992, -0.15332031,
        -0.25      ,  0.0324707 ,  0.10205078,  0.02783203,  0.11035156,
        -0.12060547, -0.09179688, -0.18457031,  0.15917969,  0.11083984,
        -0.15625   , -0.10888672, -0.11425781,  0.04589844,  0.125     ,
        -0.15917969, -0.390625  ,  0.125     , -0.0456543 , -0.13476562,
         0.21386719,  0.17675781,  0.18457031, -0.06933594, -0.31835938,
        -0.37304688, -0.02111816, -0.05297852, -0.02160645,  0.03735352,
        -0.09912109, -0.27148438,  0.16015625, -0.01940918,  0.16894531,
        -0.06176758,  0.09033203,  0.09423828,  0.03149414, -0.10498047,
         0.11914062,  0.05688477, -0.16894531, -0.06591797, -0.02478027,
        -0.14941406,  0.12451172,  0.14550781, -0.16796875, -0.26953125,
        -0.15917969, -0.18261719,  0.03735352, -0.15039062, -0.04296875,
        -0.16015625,  0.13476562,  0.08544922,  0.05541992,  0.04858398,
         0.06176758, -0.22851562,  0.05273438, -0.29492188, -0.07470703,
        -0.3203125 ,  0.1796875 , -0.34960938, -0.02954102, -0.11914062,
        -0.140625  , -0.01818848,  0.12988281,  0.20800781, -0.06054688,
         0.08300781, -0.12451172, -0.08691406, -0.11181641, -0.07763672,
         0.125     ,  0.02185059,  0.11083984,  0.09716797,  0.03833008,
         0.09375   ,  0.0009079 ,  0.27539062, -0.08300781, -0.05175781,
         0.25      , -0.03320312,  0.05932617, -0.171875  , -0.0390625 ,
         0.26953125, -0.13574219, -0.35351562,  0.15527344,  0.02966309,
         0.17773438,  0.3125    , -0.00628662,  0.01867676,  0.12011719,
        -0.05395508,  0.11230469, -0.31445312, -0.12890625, -0.07568359,
         0.09667969, -0.09326172,  0.01721191, -0.05541992,  0.30078125,
        -0.15527344,  0.18261719, -0.0559082 , -0.046875  , -0.13867188,
        -0.3984375 ,  0.03710938, -0.03344727, -0.04833984,  0.19726562,
         0.03759766,  0.01293945, -0.02197266, -0.0625    ,  0.23925781,
        -0.0279541 ,  0.04150391,  0.09277344,  0.06933594,  0.10205078,
        -0.03857422,  0.14746094, -0.01080322,  0.27539062, -0.11328125,
         0.23535156,  0.02624512,  0.07080078,  0.13378906,  0.13671875,
         0.13964844,  0.00878906, -0.06982422,  0.01855469, -0.01965332,
        -0.1875    ,  0.20117188, -0.15429688,  0.08984375,  0.25585938,
        -0.11083984,  0.18652344,  0.03540039,  0.12011719, -0.16699219,
        -0.03076172,  0.17382812,  0.03686523, -0.11914062, -0.08789062,
         0.03735352,  0.02172852, -0.03198242, -0.24511719, -0.27734375,
        -0.08349609,  0.03735352, -0.14453125,  0.06396484,  0.13574219,
        -0.00671387,  0.0234375 ,  0.00448608,  0.17675781, -0.00823975,
         0.07470703, -0.17773438, -0.0255127 ,  0.03759766,  0.16699219,
        -0.00153351, -0.01025391,  0.03979492,  0.22949219,  0.12597656,
        -0.00610352,  0.20019531, -0.07128906, -0.17089844, -0.16503906,
         0.01757812, -0.0625    , -0.0324707 , -0.14160156, -0.08105469,
         0.23046875, -0.06152344, -0.05322266,  0.0177002 ,  0.06079102,
        -0.05419922, -0.14746094, -0.0071106 , -0.06152344,  0.15429688,
        -0.18261719, -0.02832031, -0.04760742,  0.2734375 ,  0.1953125 ,
         0.08105469,  0.00616455,  0.35742188, -0.20410156,  0.1953125 ,
         0.24609375,  0.6171875 ,  0.03088379,  0.04907227, -0.06103516,
         0.12304688, -0.12353516, -0.125     , -0.1796875 , -0.06494141,
         0.20898438, -0.31835938,  0.26953125,  0.10693359,  0.04370117,
        -0.12597656, -0.15429688,  0.12890625, -0.30859375, -0.04614258,
        -0.15625   ,  0.19140625,  0.03417969,  0.19042969, -0.07373047,
```

```
         0.04736328,  0.09814453,  0.0480957 ,  0.03833008, -0.08300781],
       dtype=float32),
 'reach': array([-2.25830078e-02,  3.72314453e-03, -9.42382812e-02,  1.4941
4062e-01,
        -1.14746094e-01,  2.33154297e-02,  1.32812500e-01,  8.91113281e-03,
         1.96289062e-01, -1.68945312e-01, -3.51562500e-01,  1.49414062e-01,
         2.18750000e-01,  2.05078125e-01,  4.80957031e-02,  2.92968750e-02,
         1.19018555e-02,  7.37304688e-02,  1.62109375e-01,  9.52148438e-02,
         8.10546875e-02,  2.01416016e-02,  7.59887695e-03,  5.39550781e-02,
         4.33593750e-01, -3.51562500e-01, -3.92578125e-01, -2.08984375e-01,
         2.33398438e-01, -1.58203125e-01,  7.12890625e-02, -4.42504883e-04,
        -2.24609375e-01, -1.65039062e-01, -9.47265625e-02, -1.78710938e-01,
        -2.17773438e-01, -2.23388672e-02,  2.83203125e-01,  1.27929688e-01,
         1.08398438e-01,  7.14111328e-03, -2.08984375e-01, -1.80664062e-02,
        -2.91015625e-01, -2.03125000e-01, -1.86523438e-01,  4.66918945e-03,
         2.18505859e-02,  1.30859375e-01,  1.51367188e-01,  6.83593750e-02,
         1.07910156e-01, -1.16210938e-01, -5.32226562e-02,  4.93164062e-02,
         6.93359375e-02,  1.13769531e-01, -3.34472656e-02,  3.41796875e-02,
        -2.28515625e-01, -7.91015625e-02,  6.39648438e-02, -1.27929688e-01,
        -2.17773438e-01,  1.54296875e-01,  6.20117188e-02,  2.03125000e-01,
        -8.00781250e-02,  3.94531250e-01, -1.38671875e-01,  7.03125000e-02,
         2.73132324e-03, -2.23388672e-02, -6.93359375e-02, -2.00195312e-01,
        -3.27148438e-02,  1.69921875e-01,  3.34472656e-02,  6.29882812e-02,
        -1.43554688e-01, -1.76757812e-01,  1.32812500e-01,  3.43750000e-01,
         1.90429688e-01,  2.69531250e-01,  3.14331055e-03, -1.73828125e-01,
        -1.71875000e-01,  1.10351562e-01,  3.80859375e-02, -2.50000000e-01,
        -1.69921875e-01, -1.57226562e-01, -1.05957031e-01, -6.34765625e-02,
         1.11328125e-01,  9.76562500e-02, -1.33789062e-01, -1.20239258e-02,
        -1.96289062e-01,  1.12915039e-02, -7.91015625e-02,  1.21459961e-02,
        -2.62451172e-02, -8.05664062e-02, -1.24023438e-01, -1.89453125e-01,
        -6.54296875e-02, -5.37109375e-02,  2.00195312e-01, -9.76562500e-03,
        -1.81640625e-01, -2.38281250e-01,  9.09423828e-03,  2.30468750e-01,
         8.49609375e-02,  5.29785156e-02,  1.23535156e-01, -1.00585938e-01,
         1.97753906e-02,  9.27734375e-02,  1.03515625e-01,  3.33984375e-01,
        -5.71289062e-02,  2.84423828e-02,  8.30078125e-02, -1.31835938e-01,
        -4.29687500e-02, -4.27246094e-02,  1.19140625e-01,  2.69775391e-02,
         4.66308594e-02, -1.22070312e-01,  1.81884766e-02,  3.76953125e-01,
        -8.59375000e-02, -5.37109375e-02, -1.34277344e-02, -1.01562500e-01,
         4.00390625e-02, -3.44238281e-02, -3.32031250e-01,  5.22460938e-02,
         2.91015625e-01,  1.82617188e-01,  1.47094727e-02, -3.08593750e-01,
        -7.61718750e-02,  9.08203125e-02,  5.10253906e-02,  6.44531250e-02,
        -8.59375000e-02, -5.05371094e-02, -2.95410156e-02,  6.68945312e-02,
        -2.86865234e-02, -6.64062500e-02, -3.28125000e-01, -6.34765625e-02,
        -9.17968750e-02, -9.08203125e-02, -2.80761719e-02, -2.63671875e-01,
         9.71679688e-02, -5.90820312e-02, -1.39160156e-02, -3.56445312e-02,
        -1.62353516e-02,  8.93554688e-02, -1.08886719e-01,  3.31115723e-03,
        -2.07031250e-01, -2.37304688e-01, -2.56347656e-02,  1.76757812e-01,
         6.49414062e-02,  1.81884766e-02, -1.65039062e-01,  1.37695312e-01,
        -2.08007812e-01,  6.03027344e-02, -2.21679688e-01,  1.67968750e-01,
        -2.05078125e-01, -2.18750000e-01, -4.85839844e-02, -8.59375000e-02,
         1.96289062e-01,  1.05957031e-01,  1.81640625e-01, -2.91015625e-01,
         1.62109375e-01, -3.66210938e-02, -2.67578125e-01,  1.81640625e-01,
         7.61718750e-02,  3.14941406e-02, -5.59082031e-02, -2.65625000e-01,
         6.88476562e-02, -1.94091797e-02, -5.66406250e-02,  2.60009766e-02,
         4.12597656e-02, -2.24609375e-01, -4.78515625e-02, -1.58203125e-01,
        -6.44531250e-02,  6.05468750e-02,  1.44042969e-02,  7.86132812e-02,
         1.38549805e-02,  1.11816406e-01, -1.97265625e-01,  3.24707031e-02,
         2.25585938e-01, -6.68945312e-02, -1.65039062e-01,  8.64257812e-02,
        -6.93359375e-02,  1.20605469e-01,  1.91406250e-01,  1.37695312e-01,
         2.35351562e-01,  8.10546875e-02,  2.21679688e-01, -5.05371094e-02,
         2.19726562e-02,  1.85546875e-02,  2.40234375e-01, -1.89453125e-01,
         7.76367188e-02,  1.12304688e-02, -1.16699219e-01,  6.59179688e-02,
        -1.33789062e-01, -1.01562500e-01,  1.24511719e-01,  1.06445312e-01,
        -1.15722656e-01,  2.38037109e-02,  7.08007812e-02, -6.96182251e-05,
```

```
         1.80664062e-02,  1.36718750e-01, -4.80957031e-02,  1.83105469e-02,
        -2.81982422e-02,  5.68847656e-02, -5.10253906e-02, -1.78222656e-02,
        -1.13281250e-01,  9.81445312e-02,  2.98828125e-01,  1.82617188e-01,
         1.28906250e-01, -7.08007812e-02, -1.17675781e-01, -2.51953125e-01,
        -6.44531250e-02, -2.55859375e-01, -2.58789062e-02,  3.04687500e-01,
         1.52343750e-01,  4.29687500e-02,  3.08593750e-01, -2.59765625e-01,
         2.07031250e-01, -1.06445312e-01, -7.91015625e-02,  1.51367188e-01,
         1.32812500e-01,  5.81054688e-02,  8.30078125e-02, -9.17968750e-02,
        -2.81250000e-01, -1.14746094e-01, -5.67626953e-03, -7.61718750e-02,
        -2.80761719e-02,  8.98437500e-02,  1.79443359e-02, -1.15203857e-03,
        -9.64355469e-03,  2.26562500e-01, -1.39648438e-01,  2.14843750e-01,
        -1.39648438e-01,  1.73339844e-02,  1.92382812e-01, -6.40869141e-03,
        -4.34570312e-02, -2.08007812e-01, -1.96289062e-01,  4.39453125e-02,
        -2.26562500e-01,  9.39941406e-03,  6.25000000e-02, -2.96875000e-0
1],
       dtype=float32),
 'arm': array([ 0.03442383, -0.0625    , -0.19042969, -0.06982422, -0.3125
,
         0.00463867,  0.140625  , -0.30859375,  0.10742188,  0.01495361,
        -0.08886719, -0.23242188, -0.16503906, -0.12597656, -0.06445312,
        -0.11669922, -0.13574219, -0.00506592, -0.02172852, -0.10449219,
         0.00343323,  0.1640625 ,  0.16796875,  0.3125    ,  0.10400391,
        -0.47460938, -0.23535156,  0.25585938,  0.0213623 , -0.03295898,
         0.05957031,  0.11035156, -0.09960938,  0.00497437, -0.02770996,
         0.32421875, -0.18554688,  0.02819824,  0.02099609, -0.05541992,
        -0.00411987, -0.07958984, -0.02941895,  0.13085938,  0.00817871,
         0.06884766, -0.05004883, -0.06494141,  0.39257812, -0.078125  ,
        -0.03637695,  0.20703125, -0.01367188, -0.01855469,  0.01434326,
         0.14257812,  0.13769531,  0.07519531, -0.08007812, -0.11083984,
        -0.05371094,  0.04370117, -0.12792969, -0.07275391, -0.21679688,
        -0.03735352, -0.08496094, -0.17285156,  0.03271484,  0.13183594,
        -0.00263977, -0.00509644,  0.13964844, -0.19628906, -0.20605469,
         0.22460938,  0.05517578,  0.28515625,  0.27539062, -0.12451172,
         0.15722656,  0.0703125 , -0.12158203,  0.05078125, -0.19042969,
         0.10644531,  0.00072479, -0.12988281,  0.22851562, -0.11132812,
        -0.32226562,  0.15820312,  0.35351562, -0.02111816,  0.01623535,
        -0.05981445,  0.02697754, -0.07373047,  0.0168457 , -0.00418091,
        -0.03442383, -0.17871094, -0.00289917, -0.18359375,  0.31054688,
        -0.16113281,  0.07324219,  0.11279297,  0.09082031,  0.07128906,
        -0.01519775, -0.19238281,  0.16699219, -0.07617188, -0.27539062,
         0.08300781,  0.14257812,  0.2890625 ,  0.08447266, -0.03039551,
        -0.10009766, -0.12890625,  0.03808594,  0.09521484,  0.00386047,
        -0.08935547,  0.17675781, -0.03588867,  0.16308594, -0.03417969,
        -0.12695312,  0.16992188, -0.44726562, -0.2890625 ,  0.18847656,
         0.07666016,  0.10205078,  0.31445312, -0.13867188, -0.11962891,
         0.26953125, -0.03417969,  0.07080078,  0.42578125,  0.00265503,
        -0.06787109, -0.19238281, -0.25195312,  0.32617188,  0.26171875,
         0.09716797,  0.11962891, -0.0291748 ,  0.44921875,  0.3828125 ,
        -0.0534668 , -0.12597656, -0.28125   ,  0.04345703, -0.09667969,
         0.21679688,  0.12011719,  0.21386719, -0.2578125 , -0.125     ,
        -0.28125   , -0.11132812, -0.13964844,  0.19433594, -0.14160156,
        -0.05175781, -0.19140625,  0.06030273, -0.30273438, -0.2265625 ,
        -0.50390625,  0.296875  , -0.14355469,  0.02307129, -0.1328125 ,
        -0.22949219, -0.08642578,  0.046875  ,  0.19921875, -0.22167969,
        -0.09960938, -0.07568359,  0.0859375 ,  0.20703125, -0.05688477,
        -0.02832031, -0.02111816,  0.10302734, -0.1171875 , -0.0534668 ,
         0.08300781, -0.04125977, -0.03881836,  0.25585938, -0.0534668 ,
        -0.15917969,  0.0222168 ,  0.02478027,  0.30078125,  0.04663086,
        -0.28710938, -0.0378418 , -0.09570312,  0.17285156, -0.06152344,
        -0.00878906, -0.09521484, -0.22851562,  0.06884766,  0.25390625,
        -0.04492188,  0.09033203,  0.01086426,  0.13085938, -0.06445312,
         0.06494141, -0.05908203, -0.08300781, -0.21777344, -0.11474609,
        -0.04833984,  0.21679688, -0.05419922,  0.11767578,  0.02404785,
        -0.04443359, -0.01147461, -0.12109375, -0.07177734, -0.02880859,
```

```
         0.09960938, -0.10742188, -0.02563477,  0.11914062,  0.05371094,
         0.03564453, -0.12402344, -0.13769531, -0.1328125 ,  0.17773438,
        -0.13964844, -0.22460938, -0.24609375,  0.21679688, -0.125     ,
         0.01318359, -0.15722656, -0.10888672, -0.05224609,  0.24414062,
        -0.14648438, -0.09667969,  0.30078125, -0.04467773, -0.20410156,
        -0.00188446, -0.09423828, -0.06445312, -0.01470947, -0.03881836,
         0.14746094,  0.02294922,  0.02160645, -0.17773438,  0.06225586,
        -0.1875    ,  0.14355469,  0.22753906, -0.2890625 ,  0.24121094,
        -0.32421875, -0.05297852,  0.01696777, -0.04736328, -0.03198242,
        -0.06591797,  0.24121094, -0.04370117, -0.05615234, -0.12988281,
         0.13183594, -0.03955078,  0.12988281,  0.16699219, -0.05761719,
        -0.21679688,  0.14746094, -0.29492188, -0.16601562,  0.09033203,
        -0.06835938,  0.24902344,  0.05395508, -0.25      ,  0.13867188],
       dtype=float32),
 'lift': array([ 6.59179688e-03, -2.99072266e-02, -1.09375000e-01, -1.21093
750e-01,
        -3.02734375e-02, -1.04980469e-01,  4.29687500e-02, -3.71093750e-02,
         1.52343750e-01,  9.94873047e-03, -5.51757812e-02,  1.32812500e-01,
         1.13281250e-01,  1.03515625e-01,  6.34765625e-02,  1.39648438e-01,
         2.60009766e-02,  4.68750000e-02,  9.32617188e-02, -1.23535156e-01,
         1.78710938e-01,  7.56835938e-02, -3.22265625e-02, -7.56835938e-02,
         2.51953125e-01,  3.12500000e-02, -2.28515625e-01,  2.30712891e-02,
         1.14746094e-01, -9.32617188e-02, -4.90722656e-02, -6.83593750e-03,
         4.34570312e-02, -1.16699219e-01,  1.13281250e-01, -1.48437500e-01,
         1.89208984e-02,  1.09863281e-01,  7.66601562e-02,  1.54296875e-01,
        -1.13281250e-01, -7.47070312e-02,  1.26953125e-01,  1.69372559e-03,
         2.91015625e-01, -3.63281250e-01, -1.30859375e-01, -2.69531250e-01,
         3.32031250e-01,  2.06054688e-01,  6.29882812e-02,  2.24609375e-02,
         1.58691406e-02,  4.48608398e-03,  2.52685547e-02, -2.32421875e-01,
        -1.98974609e-02,  1.50756836e-02, -1.77734375e-01, -2.40234375e-01,
        -1.71875000e-01, -2.79296875e-01, -1.18164062e-01, -1.77734375e-01,
        -5.22460938e-02,  3.34472656e-02, -1.68945312e-01,  6.25000000e-02,
         6.29882812e-02,  2.71484375e-01,  1.35742188e-01, -1.69921875e-01,
         1.33789062e-01,  1.68945312e-01,  2.21679688e-01, -1.78710938e-01,
         6.88476562e-02,  3.59375000e-01, -8.20312500e-02, -1.03515625e-01,
         9.52148438e-02, -4.93164062e-02,  4.44335938e-02, -7.71484375e-02,
         1.87500000e-01,  7.51953125e-02, -1.87500000e-01,  1.27929688e-01,
        -1.93359375e-01,  2.34375000e-01, -2.40478516e-02,  1.90429688e-01,
         1.57470703e-02,  7.76367188e-02,  1.43554688e-01, -2.13867188e-01,
         4.76074219e-03,  2.32421875e-01,  8.25195312e-02,  4.00390625e-02,
         4.79125977e-03,  8.25195312e-02,  1.94335938e-01, -3.24218750e-01,
         1.18164062e-01, -1.83593750e-01,  1.31835938e-02, -1.71875000e-01,
        -8.25195312e-02, -5.10253906e-02,  2.37304688e-01, -3.35937500e-01,
         1.14257812e-01,  1.11328125e-01,  7.41577148e-03,  9.52148438e-02,
        -6.10351562e-02,  2.83203125e-01, -2.50244141e-02,  6.74438477e-03,
        -5.32226562e-02,  2.24609375e-01, -8.30078125e-02, -7.76367188e-02,
        -2.02148438e-01, -7.26318359e-03,  1.87500000e-01, -1.74804688e-01,
         1.41601562e-01,  1.97265625e-01,  1.28906250e-01,  5.85937500e-02,
         1.49536133e-03, -2.36328125e-01, -1.22558594e-01,  6.78710938e-02,
         4.46777344e-02, -7.08007812e-02, -3.28125000e-01,  1.14746094e-01,
         1.58203125e-01, -3.41796875e-01, -1.37695312e-01, -6.10351562e-03,
         1.32812500e-01, -1.12304688e-01, -2.43164062e-01, -3.51562500e-01,
         7.08007812e-02, -2.47802734e-02,  1.55273438e-01, -1.67968750e-01,
        -7.37304688e-02,  9.21630859e-03,  2.50000000e-01,  6.39648438e-02,
        -2.69531250e-01, -1.53198242e-02, -3.18359375e-01,  2.24609375e-02,
        -3.97949219e-02, -6.98242188e-02,  4.29687500e-02, -1.94335938e-01,
         2.64892578e-02, -2.24609375e-01, -1.25976562e-01, -1.79443359e-02,
        -9.61914062e-02, -9.08203125e-02, -2.30468750e-01,  4.61425781e-02,
        -4.66918945e-03, -1.10351562e-01,  1.45507812e-01,  5.00488281e-02,
         1.61132812e-01,  7.32421875e-02, -8.34960938e-02,  1.37695312e-01,
        -3.10546875e-01,  1.68457031e-02,  1.95312500e-01, -8.74023438e-02,
         9.22851562e-02, -8.42285156e-03,  2.25585938e-01,  1.08642578e-02,
         4.07714844e-02, -2.08984375e-01, -1.87988281e-02, -1.04980469e-01,
         3.33984375e-01,  1.26953125e-01,  8.64257812e-02,  4.66918945e-03,
```

```
        -2.99072266e-02, -1.20117188e-01, -3.12500000e-01, -8.74023438e-02,
        -1.50390625e-01, -2.86865234e-02, -2.59765625e-01, -1.52343750e-01,
        -1.93595886e-04, -1.23046875e-01,  1.29882812e-01, -4.22363281e-02,
         3.82995605e-03, -7.51953125e-02, -1.62353516e-02,  2.07031250e-01,
        -2.02636719e-02,  2.73437500e-01, -1.29882812e-01,  2.62451172e-02,
         1.99218750e-01,  9.08203125e-02, -1.25976562e-01, -7.66601562e-02,
        -9.61914062e-02,  6.59179688e-03,  1.58691406e-02, -4.21875000e-01,
         2.77343750e-01, -4.49218750e-02, -1.94335938e-01, -8.00781250e-02,
        -6.15234375e-02,  1.05468750e-01,  3.29589844e-02,  4.05273438e-02,
        -2.43164062e-01,  1.72851562e-01, -8.39843750e-02, -2.12402344e-02,
        -1.41601562e-01, -2.08007812e-01,  2.79296875e-01,  4.68750000e-02,
        -3.46679688e-02,  6.19506836e-03, -7.95898438e-02,  1.86157227e-03,
        -2.16064453e-02, -3.59375000e-01, -1.15234375e-01, -3.16406250e-01,
        -1.72851562e-01, -1.37939453e-02,  3.83300781e-02,  3.73535156e-02,
         1.25000000e-01,  2.37304688e-01,  1.29882812e-01,  1.06933594e-01,
         1.25976562e-01,  1.61132812e-01,  1.66992188e-01,  2.13867188e-01,
        -2.55859375e-01,  8.49609375e-02,  6.88476562e-02,  1.00097656e-01,
         1.74804688e-01, -5.90820312e-02,  5.73730469e-02, -2.21679688e-01,
         9.22851562e-02, -2.05078125e-01,  2.94189453e-02,  1.41601562e-01,
         4.35546875e-01, -3.14453125e-01,  1.32812500e-01, -9.61914062e-02,
        -4.17968750e-01, -1.24023438e-01,  4.51660156e-02,  1.09863281e-03,
         1.67236328e-02,  1.88476562e-01,  1.59179688e-01,  4.76074219e-02,
        -2.56347656e-03,  5.95703125e-02, -1.63085938e-01,  1.22558594e-01,
        -8.25195312e-02, -5.83496094e-02,  4.73632812e-02,  1.29882812e-01,
        -1.74804688e-01, -1.98242188e-01, -1.39648438e-01, -2.33398438e-01,
        -1.57226562e-01,  3.85742188e-02,  7.17773438e-02, -2.53906250e-0
1],
       dtype=float32),
 'move': array([-0.0612793 ,  0.14355469, -0.2109375 ,  0.06884766, -0.1826
1719,
        -0.11230469, -0.04956055, -0.13867188,  0.11230469,  0.16210938,
        -0.08447266, -0.02526855, -0.05908203, -0.06640625, -0.14160156,
        -0.04077148,  0.00726318,  0.07666016, -0.06347656,  0.01464844,
         0.10791016,  0.19824219,  0.06445312, -0.04199219,  0.11083984,
         0.06445312,  0.07714844,  0.01293945, -0.07763672,  0.07666016,
         0.03564453,  0.14550781, -0.07373047, -0.20410156,  0.06835938,
        -0.16601562,  0.10693359,  0.13769531, -0.06835938, -0.04882812,
         0.07470703,  0.01177979,  0.09130859, -0.10986328, -0.12695312,
        -0.10986328, -0.15625   , -0.12304688, -0.12109375,  0.10498047,
         0.15039062,  0.04980469,  0.08105469, -0.03564453,  0.15917969,
        -0.06640625,  0.00357056, -0.13574219, -0.0625    ,  0.03979492,
        -0.03833008,  0.00256348, -0.18847656, -0.04589844, -0.09082031,
        -0.11962891, -0.09814453,  0.14648438, -0.22167969,  0.14550781,
        -0.02392578, -0.03344727,  0.05493164, -0.12353516, -0.05639648,
        -0.07421875, -0.08203125,  0.046875  , -0.10546875, -0.0213623 ,
         0.20117188, -0.00081635,  0.265625  ,  0.07910156,  0.37109375,
         0.03564453, -0.08056641,  0.08300781,  0.03149414,  0.12988281,
         0.21875   ,  0.09326172, -0.05859375, -0.1171875 ,  0.09033203,
         0.07470703, -0.04052734,  0.21679688, -0.00166321, -0.05151367,
        -0.06298828,  0.11669922,  0.14648438, -0.01867676,  0.10742188,
        -0.05004883,  0.12207031, -0.2578125 ,  0.02185059, -0.06396484,
         0.20117188, -0.00714111,  0.00494385, -0.0324707 ,  0.09082031,
         0.05517578,  0.21289062, -0.02575684,  0.19726562,  0.04736328,
        -0.01574707,  0.06738281, -0.17089844,  0.1796875 , -0.16015625,
        -0.01098633, -0.02697754, -0.22363281, -0.03491211, -0.07080078,
         0.09472656,  0.06835938,  0.18847656,  0.02941895,  0.16503906,
        -0.06640625,  0.07373047,  0.08642578, -0.13476562,  0.05566406,
         0.12695312, -0.25585938, -0.19335938, -0.01165771,  0.11621094,
         0.15039062, -0.07226562, -0.03149414, -0.06640625, -0.02770996,
        -0.02282715,  0.02197266, -0.00162506, -0.00769043,  0.00247192,
         0.01025391, -0.06054688, -0.04223633, -0.04052734,  0.06030273,
         0.02429199, -0.01489258,  0.11962891, -0.12109375, -0.20214844,
        -0.13574219,  0.265625  , -0.09667969,  0.18457031, -0.09228516,
        -0.09277344, -0.18164062, -0.03112793, -0.00128174,  0.23339844,
```

```
         0.00717163,  0.16992188,  0.0625    ,  0.18359375,  0.12451172,
        -0.17578125, -0.14453125,  0.10400391, -0.09228516,  0.19140625,
        -0.11328125,  0.08154297,  0.28125   ,  0.21289062, -0.07373047,
         0.1171875 , -0.06176758,  0.31054688,  0.06933594, -0.00466919,
        -0.09570312, -0.08789062,  0.24023438,  0.11474609, -0.12158203,
         0.02258301, -0.07177734,  0.12988281,  0.09423828, -0.07568359,
         0.0112915 ,  0.17480469, -0.11474609,  0.2890625 , -0.0201416 ,
        -0.05761719,  0.11474609,  0.06689453,  0.25585938, -0.24902344,
         0.05029297,  0.07226562, -0.01220703, -0.09667969, -0.0456543 ,
        -0.06542969, -0.0112915 , -0.06225586, -0.01574707,  0.01782227,
        -0.03466797,  0.04296875, -0.02148438,  0.08691406,  0.09375   ,
         0.17089844,  0.09423828,  0.00049973,  0.14746094,  0.08691406,
         0.09619141, -0.39648438, -0.0300293 , -0.00933838,  0.05273438,
        -0.01226807, -0.01519775, -0.05395508, -0.29101562, -0.05029297,
         0.16113281, -0.01672363,  0.02099609,  0.08984375,  0.12060547,
        -0.02233887,  0.1328125 , -0.171875  ,  0.109375  ,  0.17480469,
         0.03759766, -0.00045967,  0.23828125, -0.20019531,  0.11425781,
         0.09277344,  0.02246094, -0.08544922,  0.2578125 ,  0.23828125,
         0.01831055,  0.14160156, -0.06640625, -0.14746094,  0.03222656,
        -0.02709961,  0.25390625,  0.140625  ,  0.02404785,  0.10009766,
        -0.08056641, -0.14746094, -0.08203125, -0.01159668,  0.07373047,
        -0.015625  ,  0.00065231,  0.02197266,  0.21386719,  0.00964355,
         0.00976562, -0.07763672, -0.00582886, -0.06445312,  0.03295898,
        -0.20507812,  0.32617188, -0.12353516, -0.00671387,  0.00180817,
         0.00552368,  0.1875    ,  0.11816406,  0.03564453, -0.02807617],
       dtype=float32),
 'pound': array([-0.1328125 ,  0.203125  , -0.05395508,  0.09423828,  0.212
89062,
         0.16992188,  0.3046875 ,  0.09033203, -0.05664062,  0.26171875,
         0.01599121,  0.02783203, -0.09716797,  0.04516602,  0.16699219,
        -0.09960938, -0.36523438,  0.23046875, -0.23730469, -0.125     ,
        -0.16015625,  0.203125  , -0.15234375,  0.21386719, -0.3046875 ,
        -0.28710938, -0.19628906,  0.33984375,  0.13574219, -0.12988281,
         0.01147461,  0.01074219,  0.20898438, -0.2109375 , -0.22363281,
         0.13671875, -0.11425781,  0.08251953, -0.26367188,  0.13183594,
         0.13574219, -0.42773438,  0.2421875 ,  0.07763672, -0.09765625,
         0.23144531, -0.01153564,  0.34375   ,  0.01647949, -0.33007812,
        -0.07226562,  0.06933594, -0.05761719, -0.22949219,  0.04321289,
        -0.07177734,  0.26757812, -0.08251953, -0.07421875, -0.16503906,
        -0.05078125,  0.03222656, -0.17773438,  0.26367188,  0.10058594,
        -0.33007812, -0.07275391,  0.13867188, -0.10693359,  0.16992188,
         0.10498047, -0.12304688, -0.13769531,  0.23730469,  0.03979492,
        -0.11767578, -0.18261719,  0.05810547,  0.03112793, -0.11328125,
        -0.02966309,  0.00334167, -0.09570312,  0.03271484,  0.24804688,
        -0.21191406, -0.05664062,  0.34179688, -0.04052734, -0.13769531,
         0.11425781,  0.07861328, -0.23828125,  0.04882812, -0.15527344,
         0.03112793, -0.03173828, -0.17089844,  0.01086426, -0.109375  ,
        -0.09228516,  0.23535156,  0.08496094, -0.171875  , -0.15429688,
        -0.10644531, -0.01202393,  0.03344727, -0.11767578, -0.26367188,
         0.04858398,  0.21679688,  0.01733398,  0.453125  , -0.02111816,
         0.24804688, -0.12304688,  0.03540039, -0.06347656,  0.03564453,
         0.3515625 , -0.22753906,  0.0071106 , -0.04321289, -0.06787109,
        -0.02868652,  0.24121094, -0.07421875,  0.0168457 ,  0.15820312,
        -0.08007812,  0.12158203, -0.06298828, -0.07421875, -0.25390625,
        -0.0267334 , -0.14550781,  0.11816406,  0.09130859,  0.02331543,
         0.20800781, -0.14453125, -0.17480469, -0.23632812, -0.15722656,
         0.09521484,  0.11523438, -0.18066406, -0.13671875,  0.06494141,
         0.2734375 , -0.2421875 , -0.41210938,  0.1015625 , -0.09375   ,
         0.20898438, -0.16894531,  0.08984375,  0.02624512,  0.11914062,
        -0.10644531, -0.00939941,  0.51171875, -0.24316406, -0.00454712,
        -0.19140625,  0.16113281, -0.11865234, -0.03088379,  0.02819824,
        -0.34375   , -0.00793457,  0.00086212,  0.19042969, -0.38671875,
        -0.18652344,  0.18945312,  0.13769531, -0.17871094,  0.30273438,
         0.23339844, -0.34179688,  0.03613281, -0.06201172, -0.07324219,
```

```
        -0.42773438,  0.3046875 ,  0.0859375 ,  0.06396484,  0.22167969,
         0.22070312, -0.15234375,  0.05371094,  0.06445312, -0.25976562,
         0.06591797,  0.14550781,  0.19433594, -0.02233887, -0.29492188,
        -0.03588867,  0.01721191, -0.16210938,  0.25      , -0.08251953,
        -0.11474609,  0.23730469,  0.07617188,  0.4296875 ,  0.11035156,
        -0.02099609, -0.16015625,  0.1796875 ,  0.16113281, -0.3046875 ,
         0.09375   ,  0.27929688, -0.06298828, -0.05517578, -0.18457031,
        -0.04858398,  0.23535156, -0.04589844, -0.10546875,  0.15234375,
        -0.01599121, -0.15332031,  0.01019287,  0.14355469, -0.14941406,
         0.02099609, -0.32617188, -0.20800781, -0.08349609, -0.16894531,
         0.13378906,  0.00753784, -0.33398438, -0.1171875 , -0.20898438,
         0.27539062,  0.19921875,  0.1015625 , -0.29296875,  0.04614258,
         0.06689453, -0.09277344, -0.41210938,  0.14746094,  0.03833008,
         0.29882812, -0.171875  , -0.13476562,  0.15136719,  0.06787109,
        -0.27929688,  0.07373047,  0.25      , -0.11230469, -0.08935547,
         0.08398438,  0.12402344, -0.3359375 ,  0.07617188, -0.06982422,
         0.08447266, -0.04272461, -0.09912109, -0.18847656,  0.30078125,
        -0.02380371, -0.07666016, -0.01550293, -0.11035156,  0.02880859,
         0.14453125, -0.14746094,  0.06542969, -0.04516602, -0.04199219,
         0.06347656,  0.29492188,  0.05810547,  0.001091  , -0.23730469,
        -0.12695312, -0.3671875 ,  0.1484375 ,  0.22070312, -0.08740234,
        -0.13671875, -0.21679688, -0.02697754,  0.03369141, -0.01831055,
        -0.11474609, -0.24316406, -0.01531982,  0.13671875, -0.26171875],
       dtype=float32),
 'specific': array([ 4.24804688e-02, -2.29492188e-01,  7.66601562e-02,  1.3
7695312e-01,
        -2.31445312e-01, -2.99072266e-02,  7.17773438e-02,  2.16484070e-04,
         1.47460938e-01, -1.62109375e-01, -1.47460938e-01,  8.64257812e-02,
         9.76562500e-02,  7.12890625e-02, -2.73437500e-01,  1.87988281e-02,
        -3.22265625e-01,  1.85546875e-01, -9.22851562e-02, -1.42578125e-01,
        -8.88671875e-02,  1.28173828e-02, -5.23437500e-01,  2.42187500e-01,
        -1.24511719e-01,  1.11816406e-01,  1.02539062e-01, -1.04003906e-01,
         1.62353516e-02, -1.91650391e-02, -2.19726562e-01, -6.49414062e-02,
         6.29882812e-02, -8.20312500e-02, -1.72851562e-01, -3.39843750e-01,
         8.59375000e-02, -1.29882812e-01,  1.85546875e-01, -2.13867188e-01,
         2.14843750e-01,  1.71875000e-01,  5.15747070e-03,  2.20947266e-02,
        -3.63769531e-02, -1.64062500e-01, -3.28063965e-04, -4.37011719e-02,
        -4.98046875e-02, -1.11328125e-01,  2.01171875e-01, -1.08642578e-02,
        -2.18750000e-01,  1.17675781e-01, -7.95898438e-02, -7.29370117e-03,
        -9.61914062e-02, -2.81250000e-01,  1.91406250e-01,  4.58984375e-02,
        -3.80859375e-02,  8.30078125e-02, -5.46875000e-02, -1.21093750e-01,
        -6.07910156e-02, -1.42578125e-01, -1.02539062e-01,  2.62451172e-02,
         5.02929688e-02,  2.03857422e-02,  1.31835938e-01,  1.12792969e-01,
        -5.44433594e-02,  1.47094727e-02, -2.89062500e-01, -9.71679688e-02,
         1.15722656e-01,  4.12597656e-02,  1.34765625e-01,  1.11816406e-01,
        -6.15234375e-02,  1.29882812e-01, -6.00585938e-02,  1.82617188e-01,
         1.19140625e-01, -2.73437500e-01, -2.87109375e-01,  1.28906250e-01,
        -5.49316406e-02,  1.78710938e-01,  2.34375000e-01, -3.17382812e-02,
        -1.66015625e-01,  5.49316406e-03,  2.67578125e-01, -9.32617188e-02,
         2.47070312e-01, -8.30078125e-02, -2.50000000e-01,  1.14257812e-01,
        -7.17773438e-02,  1.20849609e-02, -2.24609375e-02, -1.68945312e-01,
        -1.71875000e-01, -2.22167969e-02, -4.80957031e-02, -4.41894531e-02,
         2.49023438e-01, -2.13867188e-01, -2.05078125e-01, -2.91015625e-01,
        -1.40625000e-01, -1.36718750e-01,  2.65625000e-01,  1.23535156e-01,
        -1.30004883e-02, -3.16406250e-01,  3.26171875e-01,  4.24804688e-02,
        -3.63281250e-01,  9.27734375e-02, -7.86132812e-02,  3.46679688e-02,
         3.32031250e-02, -8.20159912e-04,  1.99218750e-01,  7.56835938e-02,
        -8.54492188e-02,  1.38671875e-01, -1.64062500e-01, -3.04687500e-01,
        -6.25000000e-02, -6.77490234e-03,  1.37695312e-01, -1.26953125e-01,
         4.61425781e-02, -9.61914062e-02,  1.30859375e-01,  4.76074219e-02,
         3.60107422e-03,  1.52343750e-01, -1.20117188e-01,  1.30004883e-02,
         2.66113281e-02, -1.05468750e-01, -1.01074219e-01, -7.66601562e-02,
        -3.41796875e-02,  5.41992188e-02,  3.67736816e-03,  4.61425781e-02,
        -1.36718750e-01, -2.31445312e-01, -1.68945312e-01, -4.51660156e-02,
```

```
        -1.32812500e-01,  3.27148438e-02, -1.44653320e-02,  9.09423828e-03,
         1.12792969e-01,  1.92260742e-03, -1.55029297e-02, -8.05664062e-02,
        -3.95507812e-02,  1.75781250e-01, -1.69921875e-01, -1.00585938e-01,
        -1.27929688e-01, -8.17871094e-03, -9.17968750e-02, -7.66601562e-02,
        -1.83593750e-01, -1.57226562e-01,  1.07910156e-01, -4.95605469e-02,
         2.73437500e-01, -2.26562500e-01, -2.20703125e-01, -6.78710938e-02,
        -1.96289062e-01, -1.61132812e-01,  6.07299805e-03,  1.48437500e-01,
         8.49609375e-02,  4.56542969e-02, -3.63769531e-02,  1.42578125e-01,
        -4.29687500e-02,  6.15234375e-02, -4.32128906e-02, -1.23046875e-01,
         5.90820312e-02, -8.59375000e-02,  1.13769531e-01, -4.44335938e-02,
         1.40625000e-01, -2.91015625e-01,  1.15722656e-01, -1.95312500e-01,
         5.17578125e-02,  7.66601562e-02, -7.95898438e-02,  1.66992188e-01,
        -1.16699219e-01,  5.98144531e-02, -3.90625000e-02, -6.88476562e-02,
         1.51367188e-01, -8.20312500e-02, -1.25000000e-01, -2.16796875e-01,
        -8.59375000e-02,  4.71191406e-02,  2.97851562e-02, -1.13281250e-01,
         3.61328125e-01, -5.90820312e-02,  2.35595703e-02, -1.10839844e-01,
        -1.35742188e-01,  7.27539062e-02, -1.06445312e-01, -2.50000000e-01,
         1.75781250e-01, -5.90820312e-02,  6.83593750e-02,  1.68945312e-01,
        -3.95507812e-02,  6.78710938e-02, -6.78710938e-02,  8.69140625e-02,
        -1.48437500e-01,  2.92968750e-02,  2.33398438e-01, -2.77343750e-01,
         9.81445312e-02,  3.90625000e-02,  9.76562500e-02, -8.00781250e-02,
        -1.25122070e-02, -9.03320312e-03, -1.49536133e-02,  4.15039062e-02,
         2.18750000e-01, -1.14257812e-01, -2.08984375e-01,  2.50000000e-01,
        -3.90625000e-03, -8.39843750e-02,  2.23388672e-02,  1.81640625e-01,
        -1.01074219e-01, -8.54492188e-02,  1.06445312e-01, -5.15136719e-02,
         4.05273438e-02, -2.07031250e-01, -3.12500000e-02, -1.04980469e-01,
        -1.06445312e-01, -1.72851562e-01, -2.96875000e-01, -1.19628906e-01,
        -4.69970703e-03,  1.50390625e-01, -1.19140625e-01, -1.14257812e-01,
        -1.23046875e-01, -1.51367188e-01,  4.61425781e-02, -2.35595703e-02,
         5.66406250e-02,  1.37695312e-01, -3.34472656e-02, -1.54296875e-01,
         2.03857422e-02, -3.10546875e-01, -2.49023438e-02, -5.93261719e-02,
        -1.43554688e-01,  1.13281250e-01,  5.59082031e-02,  2.16064453e-02,
         4.00390625e-02,  1.77734375e-01, -1.18652344e-01,  1.39617920e-03,
         5.88378906e-02, -1.31835938e-01,  4.34570312e-02, -6.83593750e-02,
         1.69921875e-01,  1.56250000e-02,  8.74023438e-02,  2.46093750e-01,
         8.88671875e-02, -1.17187500e-02, -9.08203125e-02, -2.36328125e-0
1],
       dtype=float32),
 'vision': array([-0.09716797, -0.15234375,  0.12597656, -0.01660156, -0.04
418945,
         0.02514648,  0.19824219, -0.14746094, -0.08496094, -0.11376953,
        -0.31835938,  0.04736328, -0.0324707 , -0.21679688,  0.02697754,
         0.15332031, -0.11962891,  0.44140625,  0.15820312, -0.171875  ,
        -0.12255859,  0.140625  ,  0.10839844,  0.15332031,  0.00479126,
         0.27734375,  0.21777344, -0.07617188,  0.14746094, -0.14550781,
        -0.14257812,  0.06201172, -0.18457031,  0.0100708 ,  0.13867188,
        -0.01049805,  0.0032959 , -0.078125  ,  0.01483154, -0.12597656,
         0.14453125,  0.16210938, -0.203125  ,  0.06079102,  0.11523438,
        -0.15234375, -0.15625   , -0.28515625, -0.12109375,  0.03149414,
        -0.11962891,  0.18261719, -0.10009766,  0.00650024,  0.44140625,
        -0.11376953, -0.0006218 , -0.1015625 ,  0.00125885, -0.0612793 ,
         0.09472656,  0.22070312,  0.00188446,  0.13476562,  0.06738281,
         0.07226562,  0.07763672,  0.37890625,  0.20898438, -0.07666016,
        -0.29882812,  0.05908203,  0.18261719,  0.00582886, -0.02209473,
        -0.13867188,  0.08789062,  0.05908203, -0.05664062,  0.20214844,
         0.34570312, -0.10058594,  0.00610352, -0.11572266,  0.1171875 ,
        -0.20605469, -0.13085938, -0.09960938,  0.33203125, -0.15527344,
         0.12597656, -0.23046875,  0.02111816, -0.05761719, -0.00056458,
        -0.10839844, -0.31445312, -0.05639648,  0.00280762, -0.01599121,
         0.00256348, -0.0859375 ,  0.04370117,  0.31640625,  0.23828125,
         0.12695312,  0.12597656,  0.09521484, -0.07421875,  0.08300781,
         0.01281738,  0.06933594, -0.03112793,  0.17382812,  0.38671875,
         0.0703125 , -0.0859375 , -0.16992188, -0.10742188, -0.06005859,
        -0.03112793,  0.01544189,  0.0246582 , -0.09716797, -0.06640625,
```

```
        -0.05004883, -0.12304688, -0.06445312, -0.00460815,  0.17285156,
        -0.09423828, -0.01831055, -0.1640625 , -0.06347656,  0.16113281,
         0.16601562, -0.20019531,  0.02526855,  0.00215149,  0.20605469,
         0.08056641, -0.10546875, -0.02770996,  0.24121094,  0.02697754,
        -0.21484375, -0.02453613, -0.13671875,  0.09326172,  0.20605469,
        -0.0255127 ,  0.12011719, -0.02600098,  0.26367188, -0.2890625 ,
         0.15234375, -0.078125  , -0.12402344, -0.2890625 , -0.09765625,
         0.07666016, -0.00125122,  0.08886719,  0.1875    ,  0.00564575,
        -0.06591797,  0.29296875, -0.22558594, -0.16796875, -0.17871094,
         0.33007812,  0.15234375, -0.18554688, -0.31445312,  0.03710938,
         0.04101562,  0.07568359, -0.37695312,  0.02172852, -0.28125   ,
        -0.33007812, -0.02600098,  0.08642578, -0.10449219, -0.18945312,
        -0.04101562,  0.03710938, -0.22949219,  0.03295898,  0.19238281,
        -0.06005859, -0.03955078,  0.09130859,  0.00219727, -0.1796875 ,
         0.08886719, -0.03808594,  0.11572266,  0.28515625,  0.00328064,
        -0.0612793 ,  0.1875    ,  0.24707031, -0.29492188,  0.15234375,
        -0.07861328, -0.02832031, -0.14160156,  0.18554688, -0.3203125 ,
        -0.35351562,  0.11962891,  0.02416992,  0.13769531, -0.14941406,
        -0.12792969,  0.05249023,  0.19824219, -0.15625   ,  0.17480469,
        -0.10009766,  0.07275391,  0.20703125,  0.19140625, -0.03222656,
        -0.20800781, -0.22363281,  0.18847656, -0.01074219,  0.05639648,
        -0.25195312, -0.09033203,  0.00210571, -0.13476562,  0.11669922,
         0.05151367, -0.03173828,  0.07373047,  0.171875  ,  0.13085938,
         0.04272461, -0.12207031, -0.16308594,  0.125     ,  0.28320312,
         0.359375  ,  0.2578125 , -0.05761719,  0.10498047, -0.01855469,
         0.01263428,  0.00102234, -0.19335938,  0.29882812, -0.06298828,
        -0.23535156,  0.00552368,  0.07421875, -0.4609375 , -0.07177734,
        -0.05444336, -0.14453125, -0.13964844,  0.2109375 ,  0.13671875,
         0.14746094,  0.21289062, -0.16796875, -0.375     ,  0.015625  ,
        -0.18164062, -0.10058594,  0.17578125,  0.22363281, -0.0324707 ,
        -0.0625    , -0.1328125 ,  0.10742188, -0.1953125 ,  0.17871094,
         0.17089844,  0.13964844,  0.078125  ,  0.0324707 , -0.15039062,
         0.29101562,  0.10742188, -0.05493164,  0.03173828, -0.00233459,
        -0.38476562, -0.08203125, -0.11816406, -0.19921875, -0.15820312,
         0.08007812,  0.24023438,  0.02380371,  0.11132812, -0.12109375],
       dtype=float32),
 'close': array([-0.00320435, -0.07080078,  0.08984375,  0.21191406, -0.086
91406,
         0.09960938, -0.04589844,  0.01342773,  0.30859375, -0.12060547,
        -0.05908203, -0.00708008, -0.16210938,  0.06835938, -0.05834961,
         0.06054688,  0.07226562,  0.09375   , -0.00260925, -0.1171875 ,
        -0.05419922, -0.03198242,  0.06103516, -0.05297852,  0.27148438,
         0.05151367,  0.06884766, -0.02746582,  0.02416992, -0.37109375,
         0.06738281,  0.08007812,  0.04077148, -0.265625  , -0.17285156,
        -0.11425781, -0.10742188,  0.08300781, -0.09326172,  0.22558594,
         0.10009766, -0.16113281, -0.04614258, -0.125     , -0.03198242,
         0.07324219, -0.09375   , -0.13183594,  0.04516602,  0.09179688,
         0.17089844,  0.04980469,  0.06152344, -0.08886719, -0.02539062,
         0.02453613, -0.01416016,  0.03173828,  0.13671875,  0.04882812,
        -0.24902344,  0.01611328, -0.05102539, -0.20507812, -0.03857422,
        -0.09521484,  0.0534668 ,  0.11279297, -0.12402344,  0.24804688,
        -0.09619141, -0.08398438,  0.13671875,  0.17675781, -0.07324219,
        -0.02929688, -0.09277344,  0.00753784,  0.02648926,  0.14257812,
        -0.09765625, -0.16894531,  0.27148438,  0.12451172,  0.15136719,
        -0.04248047, -0.10742188, -0.0480957 , -0.25585938,  0.09375   ,
         0.10302734,  0.1328125 , -0.10986328,  0.05273438, -0.06591797,
        -0.14746094, -0.13867188, -0.01757812, -0.14453125, -0.01928711,
        -0.10595703, -0.15625   , -0.06445312, -0.07470703,  0.31835938,
        -0.11767578,  0.12060547, -0.06152344, -0.13867188, -0.07226562,
         0.27148438,  0.15625   , -0.01135254, -0.12988281,  0.1484375 ,
        -0.02087402,  0.16210938, -0.12597656,  0.10449219, -0.05004883,
         0.08203125,  0.03833008,  0.04760742,  0.11035156, -0.24121094,
         0.0546875 ,  0.03564453, -0.21679688,  0.02307129,  0.09619141,
        -0.01843262, -0.20019531,  0.15039062,  0.04541016, -0.01324463,
```

```
        -0.05419922,  0.03735352,  0.00055313, -0.13964844, -0.05151367,
         0.09179688,  0.10009766, -0.01416016, -0.08300781, -0.09033203,
         0.0019455 , -0.11083984, -0.06030273, -0.11035156, -0.03125   ,
         0.11865234,  0.18261719, -0.0300293 ,  0.05688477, -0.13378906,
         0.06640625, -0.078125  , -0.05224609, -0.07324219,  0.08691406,
        -0.08447266,  0.01269531,  0.05712891,  0.17578125,  0.11035156,
         0.10400391, -0.04980469, -0.07275391,  0.10107422,  0.07324219,
        -0.13574219, -0.24707031, -0.05810547, -0.15527344,  0.08984375,
        -0.02978516, -0.07421875,  0.13574219,  0.05932617,  0.0324707 ,
        -0.11035156, -0.08789062, -0.0559082 ,  0.00125122, -0.07519531,
         0.00393677,  0.04907227,  0.20898438,  0.18945312,  0.27148438,
         0.04589844, -0.04589844, -0.03857422, -0.03271484, -0.04956055,
         0.02209473, -0.10693359, -0.12060547, -0.171875  ,  0.04150391,
         0.17871094,  0.05371094, -0.00171661, -0.21484375,  0.20703125,
        -0.07080078, -0.11328125, -0.09912109,  0.11328125, -0.02404785,
        -0.19042969,  0.11132812, -0.00136566,  0.08447266, -0.08105469,
        -0.02099609,  0.14550781,  0.01672363, -0.0390625 ,  0.17578125,
         0.24707031,  0.20996094,  0.0062561 , -0.03417969,  0.0255127 ,
        -0.08496094,  0.12060547,  0.203125  ,  0.23925781,  0.20214844,
        -0.09375   , -0.12011719,  0.05249023, -0.17773438,  0.07128906,
        -0.05908203, -0.0546875 , -0.03979492, -0.02355957,  0.13085938,
         0.10693359, -0.00994873, -0.13085938, -0.28125   ,  0.08789062,
         0.1171875 ,  0.19238281, -0.09960938,  0.1640625 ,  0.0144043 ,
        -0.08154297,  0.11181641,  0.24804688, -0.04907227,  0.16308594,
        -0.02038574,  0.234375  ,  0.09228516, -0.28710938,  0.11816406,
         0.31445312,  0.08203125, -0.00830078, -0.07763672,  0.32421875,
        -0.04345703, -0.12988281, -0.12011719,  0.171875  ,  0.0072937 ,
         0.16894531,  0.09033203, -0.02026367, -0.06689453,  0.10986328,
        -0.1640625 , -0.05688477, -0.21679688,  0.01000977,  0.0402832 ,
        -0.15234375, -0.02587891, -0.33984375,  0.10351562,  0.08740234,
         0.01342773, -0.19726562,  0.17480469,  0.01025391, -0.14550781,
        -0.04589844,  0.2890625 , -0.29882812, -0.05810547, -0.06787109,
         0.12451172, -0.05200195,  0.08349609, -0.06152344, -0.14746094],
       dtype=float32),
 'distance': array([-0.12988281,  0.29882812, -0.00215149, -0.0480957 ,  0.
01275635,
        -0.18457031, -0.05444336,  0.05566406,  0.02124023,  0.12890625,
         0.31835938, -0.10644531, -0.16308594,  0.23339844,  0.23339844,
         0.10546875,  0.19335938,  0.00741577,  0.05126953, -0.36523438,
        -0.10839844,  0.04663086, -0.04858398,  0.02575684, -0.10693359,
        -0.21875   , -0.19238281, -0.03710938,  0.00460815, -0.18164062,
         0.15527344, -0.07861328, -0.05664062, -0.13769531, -0.19238281,
        -0.14453125, -0.24609375,  0.03515625, -0.12060547,  0.17382812,
        -0.09472656,  0.03027344,  0.16210938, -0.11328125, -0.37109375,
        -0.06738281,  0.12890625,  0.00073624,  0.04638672, -0.05834961,
         0.03735352, -0.11328125, -0.20703125,  0.01672363, -0.02124023,
         0.26757812,  0.15820312,  0.24023438, -0.15917969, -0.14550781,
        -0.12304688, -0.03857422,  0.10595703, -0.30078125,  0.01135254,
        -0.06225586, -0.3359375 ,  0.28515625, -0.08935547,  0.38867188,
        -0.36328125, -0.04492188,  0.22851562, -0.328125  , -0.03344727,
        -0.00170135, -0.04150391,  0.00631714,  0.1953125 ,  0.09375   ,
         0.13476562,  0.03076172,  0.05981445, -0.11621094,  0.04394531,
         0.22949219,  0.09814453, -0.0123291 ,  0.06298828,  0.33984375,
        -0.1796875 ,  0.28710938, -0.12988281, -0.03271484, -0.14355469,
        -0.11914062,  0.01483154, -0.0267334 ,  0.10400391,  0.00171661,
        -0.15722656, -0.0612793 ,  0.0111084 ,  0.07177734,  0.29492188,
         0.07373047,  0.19140625,  0.06079102,  0.01904297,  0.06494141,
        -0.10595703,  0.265625  ,  0.1015625 , -0.12597656, -0.04150391,
         0.21289062, -0.1875    , -0.08984375, -0.13964844,  0.09765625,
        -0.27148438,  0.09130859,  0.03881836,  0.0625    , -0.25      ,
         0.06298828, -0.12451172,  0.18359375,  0.03100586,  0.17675781,
        -0.25390625,  0.0189209 ,  0.17480469, -0.25195312, -0.19140625,
        -0.19335938,  0.17382812, -0.15039062, -0.08056641,  0.12597656,
         0.06103516, -0.06933594, -0.13671875,  0.28125   ,  0.18554688,
```

```
        -0.15332031, -0.30664062, -0.15429688, -0.04223633,  0.20800781,
         0.04248047,  0.3828125 , -0.01483154, -0.21875   , -0.07910156,
         0.08349609,  0.10693359,  0.03417969, -0.22851562, -0.14648438,
        -0.11669922,  0.41992188,  0.27929688, -0.23925781, -0.0480957 ,
         0.29101562,  0.04125977, -0.14160156, -0.01068115,  0.06494141,
        -0.15332031, -0.14160156,  0.16113281, -0.2890625 , -0.00291443,
        -0.01037598, -0.02929688, -0.171875  , -0.22363281, -0.06591797,
        -0.08251953, -0.05615234,  0.09423828, -0.01696777, -0.00506592,
        -0.234375  ,  0.17773438, -0.00097656, -0.17382812,  0.09814453,
         0.3515625 , -0.0456543 ,  0.02062988,  0.09667969, -0.22460938,
         0.20605469,  0.06396484,  0.18457031, -0.12353516,  0.00756836,
         0.16796875, -0.12060547, -0.00799561, -0.09082031,  0.07421875,
        -0.17285156, -0.17480469, -0.0625    , -0.01403809,  0.05639648,
        -0.22363281,  0.00411987, -0.15625   , -0.09765625, -0.09912109,
         0.03320312, -0.06835938, -0.13574219, -0.05932617, -0.02099609,
         0.046875  , -0.16894531,  0.11230469, -0.03881836, -0.3203125 ,
         0.125     ,  0.14453125, -0.02575684,  0.10693359,  0.05273438,
         0.3203125 , -0.4921875 ,  0.18554688, -0.03515625,  0.30859375,
        -0.04492188, -0.04736328,  0.01928711, -0.06591797, -0.10546875,
        -0.06201172,  0.02587891,  0.13867188, -0.27734375,  0.12255859,
         0.01177979, -0.15039062,  0.08886719,  0.25390625, -0.22851562,
        -0.00823975,  0.10693359,  0.03710938,  0.06054688,  0.33007812,
        -0.20703125, -0.0378418 ,  0.01367188, -0.06079102,  0.17382812,
         0.13476562, -0.07470703, -0.11572266, -0.13378906,  0.26757812,
         0.09130859,  0.12890625, -0.20507812,  0.00668335, -0.16796875,
        -0.19433594, -0.12792969,  0.10693359, -0.14453125, -0.11669922,
        -0.07324219, -0.07568359, -0.33398438,  0.19726562, -0.10009766,
         0.23828125,  0.01135254,  0.0300293 , -0.24316406, -0.16601562,
        -0.09716797, -0.26171875, -0.03039551,  0.01379395,  0.04956055,
        -0.078125  ,  0.25390625, -0.40234375, -0.09130859,  0.07861328,
        -0.02380371,  0.09960938,  0.14648438, -0.04882812, -0.04321289],
       dtype=float32),
 'adjust': array([-2.44140625e-01,  1.59179688e-01, -2.53906250e-01,  1.103
51562e-01,
        -2.09960938e-01, -8.98437500e-02,  1.58691406e-02,  3.85742188e-02,
        -3.87573242e-03, -2.18750000e-01, -5.15747070e-03, -6.10351562e-02,
        -1.05590820e-02,  1.82617188e-01, -5.24902344e-02,  3.12500000e-02,
        -2.66113281e-02,  2.77343750e-01,  1.15234375e-01, -1.91406250e-01,
        -1.41601562e-01,  1.61132812e-01, -6.83593750e-02,  1.90429688e-01,
         1.65039062e-01,  2.77343750e-01,  6.82830811e-04, -1.37329102e-02,
         6.54296875e-02,  7.32421875e-02, -1.39648438e-01,  1.46484375e-01,
         2.74658203e-02, -2.07031250e-01,  5.59082031e-02, -2.18750000e-01,
         1.98974609e-02, -2.38037109e-02,  2.09960938e-01,  1.28906250e-01,
         2.39257812e-01, -4.73632812e-02,  2.81250000e-01, -2.50000000e-01,
         6.44531250e-02, -1.40625000e-01, -2.50244141e-02, -2.80761719e-02,
         1.08886719e-01, -4.29687500e-02, -3.61328125e-01, -9.52148438e-02,
        -1.79687500e-01, -3.18359375e-01, -2.67578125e-01, -5.98144531e-02,
        -2.00195312e-01, -1.95312500e-01, -1.62506104e-03, -7.12890625e-02,
        -2.83203125e-01, -8.93554688e-02, -3.28125000e-01, -2.66113281e-02,
         3.80859375e-01,  4.73632812e-02,  1.04492188e-01,  8.98437500e-02,
         7.22656250e-02,  2.63671875e-01,  1.40625000e-01,  1.22070312e-01,
         3.61328125e-02, -6.68945312e-02, -3.76953125e-01, -1.60156250e-01,
         1.77734375e-01,  1.51367188e-01, -2.51953125e-01, -1.55029297e-02,
         3.71093750e-01,  5.39550781e-02,  1.24511719e-02,  4.60937500e-01,
         5.39550781e-02,  3.56445312e-02, -2.85156250e-01,  2.94921875e-01,
        -1.12915039e-02,  2.09960938e-01,  1.69921875e-01,  3.80859375e-02,
         1.02539062e-02, -9.42382812e-02, -8.49609375e-02, -1.78710938e-01,
        -8.34465027e-05, -3.29589844e-03,  1.61170959e-04, -2.29492188e-01,
         2.89916992e-03, -1.08398438e-01, -1.53198242e-02,  2.34375000e-02,
        -2.68554688e-02, -2.14843750e-01, -3.32031250e-02, -8.00781250e-02,
         4.32128906e-02, -2.22167969e-02, -3.27148438e-02, -1.96289062e-01,
        -4.33593750e-01, -5.83496094e-02,  1.94335938e-01,  1.97753906e-02,
         2.53906250e-01,  1.16210938e-01, -1.19628906e-01,  1.50756836e-02,
        -1.45507812e-01, -5.17578125e-02,  1.17675781e-01,  2.02148438e-01,
```

```
        -9.52148438e-03,  3.22265625e-02, -2.57812500e-01, -1.99218750e-01,
        -5.90820312e-02,  9.61914062e-02,  1.70898438e-01, -7.95898438e-02,
        -1.09375000e-01,  1.56402588e-04,  3.97949219e-02,  9.13085938e-02,
        -3.19824219e-02,  1.88476562e-01,  8.05664062e-03,  4.19921875e-02,
         6.44531250e-02,  9.52148438e-02, -4.62890625e-01,  1.58203125e-01,
         1.68945312e-01,  2.52685547e-02,  1.11816406e-01, -3.14941406e-02,
        -7.61718750e-02,  4.37011719e-02,  1.49536133e-02,  5.27343750e-02,
        -3.54003906e-02,  1.44653320e-02,  8.64257812e-02, -5.81054688e-02,
        -5.20019531e-02, -2.17285156e-02, -5.37109375e-02,  4.49218750e-02,
         1.93359375e-01,  9.47265625e-02,  5.05371094e-02, -2.85156250e-01,
        -1.25976562e-01, -4.54101562e-02,  9.21630859e-03, -4.63867188e-02,
         3.00781250e-01, -2.58789062e-02, -2.03125000e-01,  1.14746094e-02,
        -1.49414062e-01,  3.96484375e-01,  2.00195312e-01,  2.19726562e-01,
         3.76953125e-01, -1.20117188e-01, -1.23046875e-01, -4.15039062e-02,
        -2.07031250e-01, -3.24249268e-04,  1.18652344e-01,  1.70898438e-01,
        -5.17578125e-02, -2.65625000e-01, -6.59179688e-02, -5.05371094e-02,
        -9.47265625e-02, -7.86132812e-02,  1.66992188e-01, -6.83593750e-02,
        -1.15722656e-01,  7.93457031e-03, -5.68847656e-02,  1.17675781e-01,
        -1.30004883e-02, -1.80664062e-01, -1.51367188e-01, -4.95605469e-02,
         1.68945312e-01, -1.22070312e-01, -3.97949219e-02, -5.05371094e-02,
        -1.67236328e-02, -3.32031250e-01, -1.08398438e-01, -1.56250000e-01,
         1.55273438e-01,  7.32421875e-02,  5.73730469e-02,  3.33984375e-01,
         8.15429688e-02,  3.12500000e-02, -2.96875000e-01, -1.17187500e-01,
         3.04687500e-01, -7.91015625e-02, -1.24511719e-01, -2.69531250e-01,
        -6.44531250e-02,  9.71679688e-02, -3.75000000e-01, -3.45703125e-01,
        -1.54296875e-01,  2.74658203e-02, -1.19628906e-01,  3.66210938e-02,
        -1.96289062e-01,  3.86718750e-01, -5.71289062e-02,  8.64257812e-02,
         1.47460938e-01, -3.17382812e-02,  2.85156250e-01, -9.61914062e-02,
        -7.03125000e-02, -3.76953125e-01, -3.61328125e-01,  2.77343750e-01,
        -3.24218750e-01, -1.48437500e-01, -3.85742188e-02, -3.08593750e-01,
        -1.59179688e-01, -8.39843750e-02, -4.94140625e-01, -7.61718750e-02,
        -6.78710938e-02, -2.55859375e-01,  5.54199219e-02,  1.38671875e-01,
        -2.17773438e-01, -1.30859375e-01, -1.22558594e-01, -8.59375000e-02,
         1.42822266e-02, -2.58789062e-02,  8.20312500e-02,  4.27246094e-02,
        -6.49414062e-02,  7.66601562e-02, -5.85937500e-02,  8.98437500e-02,
         3.24218750e-01, -3.71093750e-02,  2.69531250e-01, -1.56250000e-01,
        -8.15429688e-02, -1.93359375e-01, -8.93554688e-02,  4.25781250e-01,
         1.57470703e-02, -1.62109375e-01,  7.76367188e-02, -1.28906250e-01,
        -4.12109375e-01, -3.85742188e-02,  4.76074219e-02, -7.22656250e-02,
         1.79687500e-01,  4.61425781e-02,  6.93359375e-02, -5.00488281e-02,
         3.14453125e-01,  1.16699219e-01, -2.32421875e-01,  1.58203125e-01,
         1.02050781e-01,  1.24023438e-01, -2.02148438e-01,  4.00390625e-01,
         1.68457031e-02, -1.38671875e-01, -2.37304688e-01, -5.12695312e-03,
         9.13085938e-02,  2.07031250e-01,  3.40270996e-03, -3.39355469e-0
2],
       dtype=float32),
 'noise': array([-0.08789062,  0.171875  ,  0.09716797, -0.33203125, -0.347
65625,
        -0.11425781, -0.05541992,  0.2421875 ,  0.11083984,  0.34765625,
        -0.15136719, -0.20996094,  0.05200195, -0.27539062,  0.17382812,
        -0.3125    , -0.1484375 ,  0.26171875,  0.14453125, -0.29296875,
        -0.26367188,  0.19628906, -0.21289062, -0.33789062, -0.44140625,
         0.03442383,  0.06982422, -0.10839844, -0.22265625, -0.10400391,
        -0.19042969, -0.296875  , -0.06494141, -0.20410156, -0.05957031,
        -0.44726562,  0.14550781,  0.13476562,  0.10791016,  0.18652344,
         0.02587891, -0.08056641, -0.03662109, -0.01867676, -0.5       ,
        -0.10351562, -0.17773438, -0.05810547, -0.00279236,  0.08691406,
        -0.12207031, -0.07128906, -0.03564453,  0.04589844,  0.06591797,
        -0.08349609,  0.01000977, -0.27929688,  0.14257812, -0.16796875,
        -0.15332031,  0.12353516, -0.17773438, -0.14453125,  0.27148438,
        -0.23339844, -0.08105469,  0.2734375 , -0.25      ,  0.45898438,
        -0.09912109, -0.10693359,  0.23632812, -0.23828125,  0.00842285,
        -0.06640625,  0.25      ,  0.00195312,  0.25390625, -0.02929688,
         0.15039062,  0.30664062,  0.18554688, -0.0480957 , -0.00288391,
```

```
        -0.0324707 , -0.01550293,  0.12890625, -0.24609375,  0.03710938,
        -0.15625   , -0.02758789, -0.33007812,  0.10302734, -0.22460938,
        -0.00186157, -0.10986328, -0.23925781, -0.17480469, -0.02709961,
         0.28515625,  0.1328125 ,  0.00720215, -0.03369141,  0.11230469,
         0.18164062,  0.2734375 ,  0.27734375, -0.27148438, -0.41796875,
        -0.11523438,  0.21972656,  0.265625  , -0.21582031,  0.01098633,
        -0.26367188, -0.17382812,  0.18359375, -0.20410156, -0.28125   ,
        -0.1484375 ,  0.421875  , -0.203125  , -0.19628906, -0.04736328,
         0.10351562, -0.19238281, -0.49414062,  0.328125  , -0.11132812,
        -0.09716797,  0.04052734, -0.16113281,  0.14941406,  0.05932617,
        -0.03930664,  0.23535156,  0.07519531,  0.01306152,  0.13867188,
         0.15429688, -0.00933838, -0.02185059,  0.08789062,  0.18359375,
        -0.22167969,  0.09619141,  0.02966309, -0.06347656, -0.012146  ,
        -0.10742188,  0.04541016,  0.11962891,  0.11865234, -0.11083984,
         0.171875  ,  0.14257812, -0.18847656, -0.10546875, -0.34960938,
        -0.53515625,  0.16601562, -0.12597656,  0.06787109, -0.02502441,
        -0.03149414, -0.26171875,  0.02258301,  0.18457031,  0.06445312,
        -0.05322266, -0.26171875,  0.06884766,  0.109375  , -0.20507812,
         0.17578125,  0.07714844, -0.20410156, -0.11621094,  0.24609375,
         0.04980469,  0.04199219,  0.29296875,  0.35546875,  0.30273438,
         0.08203125,  0.18164062, -0.35742188,  0.13769531, -0.08935547,
        -0.11035156, -0.09472656, -0.04223633, -0.04614258,  0.29492188,
         0.42382812, -0.08496094, -0.02172852, -0.23046875, -0.16699219,
         0.30078125,  0.29296875, -0.42773438, -0.21191406,  0.00238037,
         0.06787109,  0.00427246, -0.01300049,  0.14550781,  0.11474609,
        -0.00087738,  0.04077148,  0.17285156, -0.11621094, -0.15820312,
         0.05810547, -0.16015625,  0.11865234, -0.375     , -0.046875  ,
        -0.15234375,  0.06396484, -0.06030273, -0.07421875,  0.02648926,
        -0.13378906,  0.1328125 ,  0.40625   ,  0.23730469, -0.01574707,
        -0.06445312,  0.06689453, -0.109375  ,  0.03588867, -0.06347656,
         0.03808594, -0.16503906, -0.1640625 ,  0.17871094, -0.33398438,
         0.06835938, -0.27539062, -0.2578125 , -0.34960938, -0.18554688,
         0.03369141,  0.05541992,  0.19238281,  0.05664062, -0.17382812,
         0.39453125,  0.06640625, -0.12695312,  0.11816406,  0.00393677,
        -0.21972656,  0.234375  ,  0.07910156,  0.12890625,  0.17773438,
         0.14941406,  0.02905273, -0.07714844, -0.00081635, -0.37304688,
         0.30273438, -0.19042969, -0.25976562, -0.09667969, -0.11132812,
        -0.21289062,  0.22265625,  0.16894531,  0.18554688, -0.08398438,
        -0.4140625 , -0.08789062, -0.19921875, -0.27929688,  0.00866699,
         0.09082031, -0.11376953,  0.3671875 , -0.09960938,  0.02294922,
         0.09082031,  0.30273438, -0.16015625,  0.0859375 ,  0.09326172,
         0.02185059,  0.18847656, -0.05859375,  0.01208496,  0.03369141,
         0.19335938,  0.05688477, -0.12988281,  0.10009766,  0.00379944],
       dtype=float32),
 'level': array([-1.50390625e-01,  2.60925293e-03,  3.73535156e-02,  1.6992
1875e-01,
        -1.83593750e-01, -4.61425781e-02,  1.38671875e-01, -2.42187500e-01,
         2.51953125e-01,  1.65557861e-03,  3.19824219e-02, -2.57812500e-01,
         2.51953125e-01, -2.79296875e-01, -2.35351562e-01,  3.47900391e-03,
        -1.21582031e-01,  1.16210938e-01,  5.05371094e-02, -1.66992188e-01,
         1.98974609e-02, -5.68847656e-02, -4.58984375e-02, -1.35742188e-01,
        -5.73730469e-02, -1.09375000e-01, -1.18164062e-01,  1.82617188e-01,
         4.33349609e-03,  1.16210938e-01, -4.24804688e-02, -3.34472656e-02,
         1.10839844e-01, -5.27343750e-02, -2.53906250e-01, -2.15820312e-01,
        -6.83593750e-03,  3.56445312e-02, -9.37500000e-02,  7.51953125e-02,
         9.71679688e-02, -8.88671875e-02,  3.68652344e-02, -2.78320312e-02,
        -1.58203125e-01, -1.16699219e-01,  4.10156250e-02, -9.64355469e-03,
        -1.74560547e-02,  1.29882812e-01,  2.34985352e-03, -9.08203125e-02,
        -3.78417969e-02, -9.17968750e-02,  9.91210938e-02, -6.03027344e-02,
        -3.06396484e-02, -1.35742188e-01, -9.42382812e-02, -1.01074219e-01,
        -1.19140625e-01, -5.44433594e-02, -2.11914062e-01,  2.05078125e-01,
         1.85546875e-01, -3.02734375e-02,  1.21093750e-01,  3.16406250e-01,
         9.13085938e-02, -4.80957031e-02, -2.08984375e-01, -2.98828125e-01,
         1.88476562e-01,  4.44335938e-02, -7.61718750e-02, -2.44140625e-01,
```

```
         1.66992188e-01,  7.17773438e-02,  1.51367188e-01, -1.37329102e-02,
         1.07910156e-01, -1.35498047e-02, -5.39550781e-02,  6.64062500e-02,
         1.24511719e-01, -1.69921875e-01,  1.26342773e-02,  1.06445312e-01,
        -4.51660156e-03,  5.56640625e-02,  1.56250000e-01, -2.59765625e-01,
        -1.66015625e-01, -5.20019531e-02,  9.47265625e-02, -9.71679688e-02,
         2.14843750e-02,  7.86132812e-02, -1.76757812e-01,  4.63867188e-02,
        -4.37011719e-02, -1.82617188e-01, -2.91015625e-01, -1.49414062e-01,
        -1.12304688e-01, -9.91210938e-02, -1.67968750e-01, -5.71289062e-02,
         1.04370117e-02, -1.83593750e-01,  1.15722656e-01,  2.31445312e-01,
        -1.35742188e-01,  2.30468750e-01,  1.86767578e-02,  1.17675781e-01,
         1.57226562e-01,  1.18652344e-01, -7.47070312e-02, -1.66992188e-01,
        -6.68945312e-02,  4.56542969e-02,  9.91210938e-02,  2.75390625e-01,
        -3.41796875e-02,  8.20312500e-02,  4.22363281e-02, -1.34765625e-01,
         9.96093750e-02,  8.74023438e-02,  5.10253906e-02,  4.24804688e-02,
        -1.52343750e-01, -1.36718750e-01, -1.82617188e-01, -2.65625000e-01,
         1.29882812e-01,  4.34570312e-02, -2.29492188e-01, -1.63085938e-01,
        -2.11914062e-01, -1.27929688e-01,  5.27343750e-02,  5.27954102e-03,
        -8.00781250e-02, -7.27539062e-02,  5.78613281e-02, -2.25585938e-01,
        -7.95898438e-02, -8.49609375e-02, -3.61633301e-03,  1.41601562e-01,
        -1.57226562e-01,  2.35351562e-01, -1.04492188e-01,  9.76562500e-02,
         2.08740234e-02, -7.08007812e-02, -6.93359375e-02, -1.75781250e-01,
         1.08398438e-01, -1.50756836e-02,  5.81054688e-02, -4.15039062e-02,
        -1.39648438e-01, -5.85937500e-02, -1.75781250e-01, -1.25976562e-01,
         4.42504883e-03,  1.09375000e-01, -2.87109375e-01, -1.35742188e-01,
        -2.06298828e-02, -1.04980469e-01,  1.44531250e-01, -1.11328125e-01,
        -2.28515625e-01, -2.33398438e-01,  2.95639038e-04,  9.03320312e-02,
        -9.57031250e-02,  2.19726562e-01, -3.71093750e-02,  7.32421875e-02,
        -1.56250000e-02, -8.23974609e-03,  5.27954102e-03, -2.24609375e-02,
        -9.47265625e-02,  1.13769531e-01,  6.20117188e-02, -2.08984375e-01,
        -1.33789062e-01, -1.45507812e-01, -9.46044922e-03, -1.09863281e-01,
        -3.41796875e-02,  2.65625000e-01, -1.04003906e-01, -1.51367188e-01,
        -6.59179688e-02,  9.81445312e-02, -1.21093750e-01, -3.97949219e-02,
         1.22558594e-01, -1.54296875e-01, -1.33789062e-01, -1.07421875e-01,
        -3.83300781e-02, -2.49023438e-02,  2.44140625e-02, -1.28906250e-01,
        -2.53906250e-01,  9.46044922e-03, -3.35937500e-01, -1.57226562e-01,
         5.10253906e-02,  5.63964844e-02, -4.02832031e-02,  1.07910156e-01,
         2.25585938e-01,  3.49121094e-02,  7.61718750e-02,  1.08642578e-02,
         3.97949219e-02, -2.65121460e-04,  1.55273438e-01,  8.20312500e-02,
         5.59082031e-02,  2.28515625e-01, -8.44726562e-02, -2.05078125e-01,
         3.32031250e-02, -4.76074219e-02, -5.63964844e-02,  1.04370117e-02,
        -1.00097656e-02,  1.36718750e-01,  2.24609375e-01,  1.62109375e-01,
        -4.12597656e-02,  1.79687500e-01,  1.03515625e-01,  1.00097656e-01,
        -1.22070312e-01,  6.98242188e-02, -6.64062500e-02,  1.07421875e-02,
        -1.18164062e-01, -6.98242188e-02,  2.58789062e-02,  1.36718750e-01,
         9.21630859e-03, -5.68389893e-04,  6.20117188e-02,  1.81640625e-01,
         1.44531250e-01,  9.86328125e-02, -1.15234375e-01,  9.66796875e-02,
         3.69140625e-01, -2.04101562e-01,  1.58203125e-01, -2.84423828e-02,
         1.19628906e-01,  1.70898438e-01, -4.00390625e-02, -1.77734375e-01,
         9.32617188e-02, -2.13867188e-01,  4.41894531e-02,  9.27734375e-02,
        -1.12792969e-01,  9.39941406e-03, -2.67578125e-01,  1.54296875e-01,
        -3.46679688e-02, -2.36328125e-01, -8.39843750e-02, -9.52148438e-02,
        -1.83593750e-01, -3.27148438e-02,  1.73828125e-01,  1.55273438e-01,
        -3.66210938e-02,  1.03027344e-01, -1.93359375e-01,  1.28906250e-01,
        -3.02734375e-02,  4.44335938e-02, -2.27539062e-01,  8.49609375e-02,
        -1.56250000e-01, -4.41894531e-02, -1.66015625e-01,  9.52148438e-02,
         3.34472656e-02, -1.85546875e-02, -1.12792969e-01,  7.22656250e-0
2],
       dtype=float32),
 'usually': array([ 0.06982422, -0.01269531, -0.10400391,  0.24609375, -0.0
3466797,
        -0.07763672,  0.11132812, -0.1015625 ,  0.20703125, -0.04321289,
         0.10009766, -0.04052734,  0.18847656,  0.03662109, -0.25195312,
         0.06494141, -0.12158203,  0.3046875 ,  0.07763672, -0.20800781,
        -0.18066406, -0.11376953, -0.17773438,  0.13183594,  0.14257812,
```

```
        -0.125     , -0.07763672,  0.31445312, -0.19042969,  0.10205078,
        -0.21777344, -0.08349609,  0.18359375, -0.08935547,  0.01782227,
        -0.17285156, -0.14550781, -0.00204468, -0.03955078, -0.2109375 ,
         0.3671875 , -0.06835938,  0.07080078,  0.03930664, -0.03027344,
        -0.17675781, -0.02294922, -0.00952148, -0.12695312, -0.15429688,
        -0.15527344,  0.04858398, -0.2734375 ,  0.19628906,  0.16992188,
         0.20117188,  0.046875  , -0.03662109,  0.07519531,  0.08349609,
        -0.09667969,  0.02612305, -0.23632812, -0.09814453, -0.10498047,
        -0.0300293 , -0.06347656,  0.09667969, -0.14453125, -0.07275391,
         0.30664062,  0.10986328,  0.00262451, -0.02099609, -0.15332031,
         0.03088379, -0.08789062,  0.08837891, -0.09375   ,  0.19140625,
         0.05419922, -0.2109375 ,  0.14941406, -0.04858398, -0.33398438,
        -0.11669922, -0.05493164,  0.12792969,  0.15820312, -0.21777344,
         0.03833008,  0.18164062, -0.29882812, -0.1796875 , -0.05639648,
        -0.13476562,  0.07128906, -0.05053711, -0.10644531,  0.21386719,
         0.08203125, -0.19726562,  0.11083984, -0.07080078, -0.06933594,
        -0.01672363,  0.00552368, -0.06445312,  0.14160156, -0.0480957 ,
        -0.02368164,  0.01434326,  0.10009766, -0.02124023,  0.12451172,
         0.09667969,  0.10009766, -0.13574219,  0.01708984,  0.16308594,
        -0.15722656,  0.08496094, -0.00485229,  0.07763672, -0.00300598,
        -0.00823975,  0.06738281,  0.03015137,  0.04199219, -0.10302734,
         0.15234375, -0.265625  ,  0.19628906,  0.14648438, -0.22167969,
        -0.19433594, -0.06494141, -0.11181641,  0.02453613,  0.05249023,
        -0.01672363, -0.1953125 ,  0.10498047,  0.06738281, -0.07470703,
        -0.09570312,  0.02575684, -0.171875  , -0.07128906, -0.10888672,
         0.09033203,  0.09863281, -0.12304688, -0.02331543, -0.08740234,
        -0.16796875, -0.10449219,  0.16210938, -0.08984375,  0.13867188,
        -0.05932617,  0.2890625 , -0.06591797, -0.0390625 ,  0.12158203,
         0.05419922, -0.109375  , -0.17675781,  0.0088501 , -0.15234375,
        -0.28710938, -0.09570312,  0.00354004,  0.02307129, -0.15429688,
        -0.11767578, -0.02209473, -0.11669922,  0.07177734,  0.01098633,
         0.09033203, -0.24609375,  0.0098877 ,  0.11035156, -0.01013184,
         0.02355957,  0.02355957, -0.08007812,  0.14257812,  0.14160156,
         0.06884766, -0.00994873,  0.02453613, -0.04907227, -0.04541016,
        -0.17773438, -0.07519531, -0.04077148, -0.296875  , -0.03686523,
         0.2890625 ,  0.02355957, -0.1484375 ,  0.06591797,  0.06054688,
        -0.10644531, -0.06640625, -0.125     ,  0.10058594, -0.046875  ,
        -0.13964844, -0.12402344, -0.11230469,  0.00366211, -0.20703125,
         0.04980469, -0.03466797,  0.1171875 , -0.11914062, -0.16894531,
         0.03491211, -0.00558472, -0.06445312, -0.11962891,  0.05200195,
         0.11621094,  0.17675781,  0.15136719,  0.06982422, -0.06152344,
        -0.01446533, -0.02209473,  0.09863281,  0.03710938,  0.02062988,
         0.11962891, -0.03393555, -0.20800781,  0.02026367,  0.05419922,
         0.02197266,  0.08154297, -0.06542969, -0.2578125 ,  0.10449219,
        -0.04907227, -0.07958984,  0.10107422, -0.08740234, -0.02148438,
        -0.04907227,  0.01525879,  0.18066406, -0.08203125,  0.16210938,
         0.01153564, -0.04443359, -0.01708984,  0.06884766,  0.06494141,
        -0.09912109,  0.07568359, -0.3984375 , -0.05761719, -0.12451172,
        -0.02819824, -0.0456543 , -0.09765625,  0.05151367,  0.07128906,
         0.02624512,  0.27539062,  0.08251953,  0.05615234,  0.03063965,
        -0.09619141, -0.05249023,  0.06005859, -0.12988281, -0.0612793 ,
         0.0378418 , -0.33007812,  0.20214844,  0.09667969,  0.12158203,
         0.03686523,  0.09570312, -0.01434326, -0.14648438,  0.22558594,
         0.00405884, -0.09960938,  0.04174805,  0.02111816, -0.14160156,
         0.16113281, -0.00430298, -0.14746094,  0.02954102,  0.20800781],
       dtype=float32),
 'low': array([ 0.19921875, -0.08056641, -0.21191406,  0.20019531, -0.07861
328,
         0.00704956, -0.06396484, -0.06030273,  0.18066406,  0.0703125 ,
        -0.18554688, -0.05200195,  0.12158203, -0.1328125 ,  0.05151367,
        -0.12353516,  0.00817871,  0.12158203, -0.11816406,  0.06494141,
        -0.05761719,  0.07080078,  0.02172852, -0.04370117,  0.15234375,
        -0.23730469, -0.27734375,  0.1015625 ,  0.09179688, -0.19335938,
        -0.03393555, -0.12890625,  0.35742188, -0.13085938, -0.25      ,
```

```
        -0.09960938, -0.24121094, -0.12988281,  0.01342773,  0.171875  ,
         0.06982422,  0.11132812,  0.13085938, -0.078125  , -0.13574219,
        -0.04003906, -0.01062012,  0.18652344,  0.12207031,  0.01281738,
         0.19042969, -0.18261719,  0.06494141,  0.21875   , -0.03564453,
        -0.109375  , -0.31640625, -0.06005859, -0.05737305,  0.02770996,
        -0.0534668 ,  0.22851562, -0.46875   ,  0.05737305,  0.07861328,
        -0.10351562, -0.05175781,  0.16992188,  0.12695312,  0.11230469,
        -0.01452637, -0.20019531,  0.08300781,  0.18457031, -0.17285156,
         0.10742188,  0.0625    ,  0.1796875 , -0.0859375 ,  0.27539062,
        -0.04418945,  0.06738281, -0.16796875, -0.0078125 ,  0.25976562,
         0.03588867, -0.08496094,  0.2734375 ,  0.09521484,  0.01586914,
         0.01989746,  0.03442383, -0.1328125 ,  0.12304688,  0.03222656,
         0.14257812,  0.16210938,  0.05566406, -0.19433594, -0.01116943,
        -0.02575684, -0.06079102, -0.21777344, -0.14746094,  0.09179688,
        -0.09033203, -0.08007812, -0.22753906,  0.11572266, -0.18066406,
         0.10693359,  0.07373047, -0.34570312,  0.02307129,  0.06689453,
         0.04736328,  0.3046875 ,  0.04394531, -0.16308594,  0.10253906,
        -0.0378418 , -0.05737305,  0.08203125,  0.00595093, -0.07421875,
         0.17871094, -0.08837891, -0.10839844,  0.26757812, -0.08398438,
         0.19140625,  0.07226562,  0.03063965, -0.01159668, -0.09912109,
        -0.13867188,  0.33398438, -0.19921875, -0.08789062,  0.0201416 ,
        -0.12304688, -0.07861328, -0.01574707,  0.11669922,  0.00643921,
        -0.15625   ,  0.14257812, -0.20605469,  0.04516602,  0.03198242,
         0.00276184, -0.00601196, -0.03393555,  0.15429688, -0.18554688,
         0.06689453,  0.01153564,  0.09521484,  0.11181641, -0.06176758,
        -0.1796875 ,  0.13964844,  0.26171875, -0.12109375, -0.00653076,
         0.09960938,  0.11474609,  0.09228516, -0.08740234, -0.43164062,
        -0.35351562, -0.03662109, -0.15820312,  0.09716797,  0.14550781,
         0.01818848,  0.04541016, -0.18164062, -0.09912109,  0.10888672,
        -0.06542969, -0.12890625,  0.0123291 ,  0.23046875,  0.04296875,
        -0.00350952, -0.16699219,  0.17578125,  0.03466797,  0.17675781,
        -0.23339844,  0.04003906, -0.05981445, -0.19238281, -0.00273132,
         0.01757812, -0.06738281,  0.16015625, -0.10595703, -0.02294922,
         0.15429688,  0.10400391, -0.01275635, -0.06298828,  0.02929688,
        -0.25976562, -0.30078125, -0.17773438, -0.18164062, -0.11474609,
        -0.1796875 , -0.15722656, -0.13769531,  0.22265625, -0.04492188,
        -0.00169373,  0.26953125, -0.02514648, -0.07275391,  0.02307129,
         0.171875  ,  0.18261719, -0.2578125 , -0.05029297,  0.10351562,
        -0.22070312,  0.06445312,  0.00222778,  0.12890625,  0.09960938,
        -0.26367188, -0.09960938,  0.10449219, -0.05883789, -0.11865234,
        -0.00701904, -0.04394531,  0.03063965, -0.12890625,  0.04418945,
         0.15625   , -0.08740234,  0.0534668 , -0.24121094, -0.10595703,
         0.12890625, -0.0703125 , -0.16015625, -0.14453125, -0.17382812,
        -0.04833984, -0.15722656,  0.20507812, -0.01904297, -0.24804688,
         0.14453125,  0.18261719,  0.10253906,  0.00805664,  0.00238037,
         0.20703125,  0.00338745, -0.10791016, -0.328125  ,  0.03979492,
         0.08642578, -0.25585938, -0.32617188,  0.0703125 , -0.24804688,
        -0.13085938,  0.1328125 , -0.05493164, -0.13867188, -0.11181641,
        -0.04736328,  0.01831055, -0.20019531, -0.0324707 , -0.07568359,
        -0.11914062,  0.01348877, -0.06054688, -0.06542969, -0.04931641,
        -0.12597656,  0.01831055,  0.14355469, -0.09082031, -0.28710938,
        -0.01916504,  0.07177734, -0.19824219,  0.19140625, -0.24609375,
        -0.05102539,  0.04980469,  0.0255127 , -0.09716797,  0.18945312],
       dtype=float32),
 'moderate': array([ 0.2265625 ,  0.00122833, -0.14648438,  0.36328125, -0.
02990723,
         0.08544922, -0.03808594,  0.16210938,  0.03686523, -0.08496094,
        -0.19042969, -0.12792969,  0.02722168,  0.07763672, -0.08056641,
        -0.0456543 ,  0.06347656,  0.10107422, -0.12890625, -0.14257812,
         0.09082031,  0.14453125, -0.27539062,  0.02575684, -0.10742188,
         0.02978516, -0.28710938,  0.20996094,  0.06005859, -0.04516602,
         0.13085938,  0.02685547, -0.13183594, -0.10351562, -0.1875    ,
        -0.15429688, -0.02893066, -0.11035156, -0.19921875,  0.05078125,
         0.18359375,  0.06982422,  0.13085938,  0.09179688, -0.30273438,
```

```
         0.02038574,  0.08886719, -0.18554688, -0.03295898, -0.21289062,
         0.14550781,  0.0703125 , -0.29492188,  0.13769531,  0.03295898,
         0.07275391, -0.1328125 ,  0.17089844,  0.09423828, -0.25976562,
        -0.31640625,  0.22265625, -0.31054688, -0.16601562,  0.17871094,
         0.3125    ,  0.09375   ,  0.22363281,  0.14453125,  0.11230469,
         0.00159454,  0.06152344,  0.16015625,  0.12597656, -0.08398438,
        -0.06005859,  0.15429688,  0.00476074, -0.04882812,  0.23144531,
         0.16601562, -0.00842285, -0.16308594, -0.04272461, -0.13574219,
         0.10791016, -0.10107422,  0.33007812,  0.13867188,  0.02270508,
         0.02416992, -0.25976562, -0.10498047,  0.06933594,  0.09472656,
        -0.08691406, -0.07519531,  0.10449219, -0.04541016, -0.09179688,
         0.10644531, -0.04394531, -0.07226562,  0.09570312,  0.20507812,
        -0.19824219,  0.11767578, -0.1796875 ,  0.31835938, -0.01025391,
        -0.03857422, -0.16894531, -0.17773438, -0.24511719,  0.06298828,
        -0.01104736,  0.21875   ,  0.03857422, -0.02111816,  0.16210938,
        -0.00268555,  0.25      ,  0.00263977, -0.09326172, -0.34765625,
         0.0062561 ,  0.16308594, -0.21484375, -0.0168457 ,  0.05102539,
         0.10205078, -0.03271484,  0.30859375,  0.10888672, -0.10693359,
        -0.16601562,  0.23046875,  0.02416992,  0.11474609,  0.25390625,
        -0.05761719, -0.06591797, -0.11669922,  0.07861328, -0.00445557,
        -0.28125   ,  0.15917969, -0.19238281,  0.29296875, -0.13476562,
         0.09228516, -0.22753906, -0.01831055,  0.26953125,  0.20117188,
        -0.28515625, -0.00071716, -0.0534668 ,  0.05541992,  0.0378418 ,
        -0.0390625 ,  0.22851562,  0.22265625,  0.10546875,  0.05444336,
        -0.02490234,  0.26367188,  0.31640625, -0.07177734, -0.14355469,
        -0.20800781,  0.02172852, -0.07324219,  0.02734375,  0.27929688,
        -0.1015625 , -0.02355957,  0.00692749, -0.30664062,  0.04858398,
         0.00805664, -0.28515625, -0.13183594,  0.00415039, -0.01806641,
         0.09472656,  0.00164032, -0.2109375 , -0.11181641,  0.11474609,
         0.04907227,  0.02600098, -0.03393555, -0.33398438,  0.06494141,
         0.21289062, -0.01190186,  0.14453125, -0.03320312, -0.14453125,
        -0.234375  ,  0.03039551,  0.16210938, -0.22558594,  0.20898438,
        -0.234375  , -0.26757812, -0.06005859, -0.04467773, -0.12207031,
        -0.25585938, -0.23730469,  0.03125   ,  0.27148438, -0.06787109,
        -0.24023438, -0.44726562, -0.08056641, -0.07958984, -0.01153564,
         0.33984375,  0.25390625, -0.06396484, -0.2109375 ,  0.07080078,
        -0.24511719,  0.20019531,  0.10498047,  0.01074219,  0.1015625 ,
        -0.15722656,  0.03320312,  0.078125  , -0.09716797, -0.16503906,
         0.02087402, -0.0007515 , -0.04394531, -0.09912109,  0.04956055,
         0.20019531, -0.04833984,  0.31054688,  0.14550781,  0.02172852,
        -0.265625  ,  0.14160156,  0.07617188, -0.09228516, -0.0037384 ,
        -0.01141357, -0.09277344, -0.36132812, -0.140625  ,  0.06054688,
         0.20117188, -0.21582031,  0.02416992,  0.11523438, -0.16113281,
        -0.05810547, -0.31640625, -0.09472656,  0.15527344,  0.18945312,
        -0.06884766, -0.01098633, -0.10449219,  0.00121307, -0.12597656,
        -0.14257812,  0.24804688,  0.08300781, -0.26367188, -0.26757812,
        -0.0144043 , -0.09326172, -0.36328125, -0.11914062,  0.16503906,
         0.0402832 ,  0.17480469, -0.04272461,  0.00878906,  0.01599121,
        -0.21386719, -0.16210938, -0.09033203, -0.05834961, -0.04394531,
        -0.06494141, -0.00231934,  0.20410156,  0.02978516, -0.1171875 ,
        -0.03149414,  0.05883789,  0.06738281,  0.2265625 ,  0.24707031],
       dtype=float32),
 'way': array([ 1.53320312e-01,  7.17773438e-02, -2.41699219e-02,  1.318359
38e-01,
        -6.73828125e-02, -1.07910156e-01,  8.00781250e-02, -1.13769531e-01,
         8.59375000e-02,  7.91015625e-02,  1.26953125e-01, -1.66992188e-01,
         3.63769531e-02, -1.13769531e-01, -1.84570312e-01,  2.88085938e-02,
         1.63085938e-01,  7.61718750e-02,  2.01171875e-01, -8.78906250e-02,
         1.53320312e-01,  2.06054688e-01,  1.03027344e-01, -7.91015625e-02,
         2.51464844e-02, -2.12402344e-02, -6.88476562e-02, -7.81250000e-03,
         4.37011719e-02,  9.52148438e-02, -5.46875000e-02,  4.56542969e-02,
         6.59179688e-02, -6.31713867e-03,  8.05664062e-02,  1.78710938e-01,
         1.74804688e-01, -1.67968750e-01,  4.76074219e-02, -1.56250000e-02,
         1.95312500e-02, -2.04467773e-03, -2.35595703e-02, -4.98046875e-02,
```

```
-4.76074219e-02,  6.88476562e-02, -1.96533203e-02,  8.05664062e-02,
-1.15234375e-01,  7.51953125e-02,  1.69677734e-02,  1.59179688e-01,
 2.96630859e-02, -1.50390625e-01,  6.73828125e-02, -4.88281250e-02,
-1.27929688e-01, -7.51953125e-02,  9.32617188e-02, -1.31835938e-01,
 1.25976562e-01,  5.88378906e-02, -4.61425781e-02, -5.49316406e-02,
-6.44531250e-02,  3.51562500e-02, -1.26342773e-02,  2.14843750e-01,
-1.75781250e-01,  1.65039062e-01, -3.24707031e-02,  1.99890137e-03,
 9.47265625e-02, -1.45507812e-01,  1.67236328e-02, -1.76757812e-01,
 9.32617188e-02,  2.17773438e-01,  3.22265625e-02,  5.78613281e-02,
 6.54296875e-02,  9.88769531e-03,  1.30859375e-01, -1.09863281e-01,
 1.19018555e-02,  2.74658203e-03, -2.95410156e-02,  1.04980469e-01,
 3.61328125e-02,  1.49414062e-01,  2.45666504e-03,  1.27929688e-01,
-1.01074219e-01,  1.73339844e-02,  1.14135742e-02, -7.76367188e-02,
 2.33154297e-02, -1.64794922e-02, -7.37304688e-02, -1.14746094e-01,
-6.34765625e-02,  3.60107422e-03, -2.19726562e-02,  1.46484375e-01,
-1.98974609e-02, -4.05273438e-02, -9.27734375e-02, -1.41601562e-01,
 2.34375000e-02,  5.52368164e-03, -5.90820312e-02,  8.78906250e-03,
-8.54492188e-02, -6.58035278e-05,  6.78710938e-02,  5.05371094e-02,
-2.34375000e-02, -2.70996094e-02, -2.12890625e-01,  2.46093750e-01,
-9.61914062e-02,  1.04980469e-01, -5.56640625e-02, -2.19726562e-02,
-3.49121094e-02,  4.12597656e-02, -1.33789062e-01, -2.44140625e-02,
-1.05957031e-01, -1.38671875e-01, -1.58203125e-01, -1.54296875e-01,
-9.32617188e-02,  2.89306641e-02, -3.32031250e-02, -9.57031250e-02,
 4.17480469e-02,  3.24707031e-02,  3.44238281e-02,  7.47070312e-02,
 1.28906250e-01, -1.32812500e-01,  2.94189453e-02,  9.13085938e-02,
 2.72216797e-02, -6.54296875e-02, -1.45507812e-01, -1.87500000e-01,
-8.78906250e-03,  6.00585938e-02, -2.08740234e-02,  9.03320312e-02,
-1.80664062e-01,  1.35742188e-01, -3.34472656e-02, -1.97753906e-02,
-1.11083984e-02, -1.33789062e-01,  2.03857422e-02,  1.66992188e-01,
-8.20312500e-02,  2.51953125e-01,  1.89453125e-01,  8.54492188e-02,
-4.98046875e-02, -1.30859375e-01, -5.54199219e-02, -9.47265625e-02,
 6.88476562e-02, -1.10351562e-01,  6.44683838e-04,  1.57226562e-01,
 4.41894531e-02, -3.78417969e-02, -2.14843750e-02,  2.29492188e-02,
 5.88378906e-02, -5.63964844e-02,  9.57489014e-04,  1.49414062e-01,
-2.02148438e-01, -1.14257812e-01,  1.81884766e-02, -6.05468750e-02,
-7.95898438e-02, -1.33789062e-01,  1.39648438e-01,  1.41601562e-01,
 1.18164062e-01, -4.56542969e-02,  5.83496094e-02,  5.27343750e-02,
 1.04980469e-01, -2.86865234e-02,  1.49536133e-02, -1.65039062e-01,
-1.39648438e-01,  1.49414062e-01, -1.14257812e-01, -1.94335938e-01,
 1.09375000e-01,  1.25000000e-01, -5.49316406e-03,  1.45507812e-01,
 8.49609375e-02,  3.78417969e-03,  7.42187500e-02, -6.64062500e-02,
-8.00781250e-02, -4.73632812e-02, -9.32617188e-02,  1.36718750e-01,
-2.05078125e-01,  7.91015625e-02, -6.68945312e-02,  8.30078125e-03,
 2.47802734e-02,  2.67578125e-01,  7.04956055e-03,  1.04492188e-01,
-7.86132812e-02, -6.54296875e-02,  6.39648438e-02, -1.33056641e-02,
-2.17773438e-01, -6.34765625e-03,  4.12597656e-02, -1.71875000e-01,
-1.77764893e-03, -3.11279297e-03,  9.22851562e-02, -2.49023438e-02,
 1.57470703e-02,  2.21252441e-03,  2.45361328e-02, -4.22363281e-02,
-2.04101562e-01, -2.47802734e-02,  1.61132812e-01,  6.44531250e-02,
 5.29785156e-02,  6.15234375e-02,  3.41796875e-02, -2.53906250e-01,
-9.66796875e-02, -6.25610352e-03,  8.64257812e-02,  1.66015625e-01,
-1.48437500e-01,  4.29687500e-02,  1.09375000e-01,  1.19628906e-01,
 1.25976562e-01,  4.29687500e-02,  1.21582031e-01, -8.00781250e-02,
-1.33056641e-02,  1.18164062e-01, -5.17578125e-02, -1.68945312e-01,
-1.01318359e-02, -6.88476562e-02, -6.83593750e-02,  2.21679688e-01,
 2.67028809e-03,  4.78515625e-02,  1.02050781e-01, -4.85839844e-02,
-1.69921875e-01,  3.29589844e-02, -2.69775391e-02, -4.69970703e-03,
 7.61718750e-02,  2.00195312e-01,  5.61523438e-02, -1.00097656e-01,
-6.68945312e-02, -8.25195312e-02,  9.91210938e-02, -4.15039062e-02,
 3.58886719e-02, -8.88671875e-02, -1.01562500e-01,  1.78710938e-01,
-3.41796875e-02, -9.46044922e-03, -1.30859375e-01, -9.13085938e-02,
 9.47265625e-02,  1.39648438e-01, -1.48437500e-01,  8.60595703e-03,
-1.27929688e-01,  4.44335938e-02, -6.29882812e-02,  1.61132812e-01,
-8.85009766e-03,  2.84423828e-02, -9.96093750e-02,  3.24707031e-0
```

```
2],
       dtype=float32),
 'state': array([ 1.44042969e-02, -4.90722656e-02,  7.37304688e-02, -6.5917
9688e-03,
        -1.07421875e-01, -2.51953125e-01,  2.22167969e-02,  6.54296875e-02,
        -4.39453125e-02, -1.00097656e-01,  1.36718750e-01, -5.61523438e-02,
         8.54492188e-02,  4.73632812e-02, -2.65625000e-01,  2.08984375e-01,
        -2.92968750e-02,  1.81640625e-01,  3.27148438e-02,  1.02539062e-01,
        -1.00097656e-02, -2.14843750e-02, -1.78710938e-01,  5.79833984e-03,
         4.98046875e-02, -3.32031250e-02, -1.73828125e-01,  3.17382812e-03,
        -1.22070312e-01, -7.66601562e-02,  8.88671875e-02,  1.85546875e-01,
        -1.11328125e-01,  9.17968750e-02,  1.24511719e-01, -9.27734375e-02,
         1.77001953e-02,  9.27734375e-03,  8.98437500e-02,  3.75000000e-01,
         1.25976562e-01, -7.32421875e-02,  2.26562500e-01,  2.33154297e-02,
        -1.33056641e-02, -1.96533203e-02, -1.21307373e-03,  2.85156250e-01,
        -2.14843750e-01,  7.76367188e-02, -6.44531250e-02, -9.88769531e-03,
        -4.71191406e-02, -5.24902344e-02, -1.39648438e-01,  1.91650391e-02,
        -1.78710938e-01,  1.62109375e-01, -1.53320312e-01,  6.25000000e-02,
        -9.17968750e-02, -5.27343750e-02,  5.20019531e-02,  1.81884766e-02,
         6.68945312e-02,  1.25976562e-01,  1.23535156e-01,  1.76757812e-01,
        -1.04492188e-01, -4.68750000e-02, -2.79296875e-01,  6.93359375e-02,
         3.14941406e-02, -5.34667969e-02,  1.99218750e-01,  5.44433594e-02,
         4.05273438e-02, -2.19726562e-02, -1.63574219e-02,  1.51367188e-01,
         7.61718750e-02, -1.93359375e-01,  2.02636719e-02, -8.93554688e-02,
         7.08007812e-02,  1.15722656e-01, -1.00585938e-01,  9.57031250e-02,
        -9.03320312e-02,  2.92968750e-02,  1.80664062e-01, -1.02050781e-01,
        -4.88281250e-02, -1.07421875e-02, -1.59179688e-01,  1.27929688e-01,
         1.21093750e-01, -1.44653320e-02,  8.88671875e-02,  8.88671875e-02,
         7.27539062e-02,  1.24511719e-01, -3.61633301e-03, -2.79541016e-02,
        -3.11279297e-02, -6.68945312e-02, -2.29492188e-02, -2.14843750e-01,
        -2.11181641e-02, -1.00097656e-01, -6.49414062e-02, -4.83398438e-02,
        -1.65039062e-01,  1.68945312e-01,  7.03125000e-02,  4.39453125e-02,
         1.45507812e-01, -1.35742188e-01, -4.85839844e-02, -1.00097656e-02,
        -9.71679688e-02,  1.91406250e-01,  6.29882812e-02, -5.61523438e-02,
         8.34960938e-02,  1.46484375e-02,  9.17968750e-02, -4.39453125e-02,
        -1.03515625e-01, -1.73828125e-01, -3.56445312e-02,  2.74658203e-02,
         3.90625000e-02, -1.16210938e-01, -1.79687500e-01, -1.30859375e-01,
         6.73828125e-02, -1.22558594e-01, -7.29370117e-03, -3.19824219e-02,
         3.61328125e-02, -1.08886719e-01, -1.13281250e-01,  3.75976562e-02,
        -1.38671875e-01, -1.33789062e-01, -2.11914062e-01, -3.78417969e-02,
        -3.54003906e-02,  1.19628906e-01,  2.28515625e-01,  6.49414062e-02,
        -5.54199219e-02, -1.67236328e-02,  1.02050781e-01, -1.76757812e-01,
         6.78710938e-02, -2.79541016e-02,  2.16796875e-01,  2.52685547e-02,
         6.07910156e-02, -5.59082031e-02,  1.68945312e-01, -4.10156250e-02,
         5.41992188e-02, -4.73632812e-02,  1.16210938e-01, -2.04101562e-01,
         2.18750000e-01,  1.60156250e-01, -9.52148438e-02,  9.15527344e-03,
         6.68945312e-02, -1.14746094e-01,  1.22680664e-02, -3.04687500e-01,
         1.10839844e-01,  4.95605469e-02, -1.66992188e-01,  4.37011719e-02,
        -2.34375000e-01, -1.47460938e-01,  4.22363281e-02, -1.75781250e-02,
        -2.95410156e-02,  1.15234375e-01,  2.11181641e-02,  7.03125000e-02,
         1.36718750e-01,  2.34375000e-01,  4.93164062e-02, -1.77001953e-02,
        -6.88476562e-02,  6.28662109e-03, -1.89453125e-01,  2.09960938e-02,
         9.27734375e-02, -1.95312500e-02,  4.15039062e-02, -7.91015625e-02,
        -6.64062500e-02,  1.92382812e-01,  1.56250000e-01, -1.81640625e-01,
         1.67236328e-02, -1.67968750e-01,  1.18408203e-02, -5.85937500e-02,
        -7.61718750e-02, -1.41601562e-01, -3.85742188e-02,  3.10058594e-02,
         3.29589844e-02, -6.83593750e-02, -9.61914062e-02,  1.59179688e-01,
        -1.30004883e-02,  2.43164062e-01, -1.53198242e-02, -3.87573242e-03,
         8.10546875e-02, -1.56250000e-01,  1.51367188e-01,  4.02832031e-03,
        -1.29394531e-02, -8.05664062e-02,  1.10839844e-01,  1.62109375e-01,
         2.47802734e-02,  1.07910156e-01,  1.17187500e-01, -2.92968750e-03,
        -7.51953125e-02,  1.29882812e-01, -2.09960938e-01, -1.26342773e-02,
         2.38037109e-02, -3.73535156e-02, -2.77099609e-02, -4.22363281e-02,
         6.88476562e-02, -1.30859375e-01,  1.92382812e-01, -3.66210938e-02,
```

```
         6.34765625e-02, -6.78710938e-02,  2.17773438e-01, -3.32031250e-02,
         1.00585938e-01, -1.03759766e-02,  1.06445312e-01,  6.54296875e-02,
         1.21093750e-01,  2.54821777e-03, -2.45361328e-02, -8.78906250e-02,
         5.15136719e-02,  2.19726562e-02,  9.57031250e-02, -3.32031250e-02,
         1.99890137e-03,  1.71875000e-01, -1.22070312e-01,  1.41601562e-01,
         2.25585938e-01,  2.89062500e-01,  5.32226562e-02,  7.81250000e-03,
        -1.10839844e-01,  6.29882812e-02,  2.02148438e-01, -1.04492188e-01,
        -1.23046875e-01, -3.11279297e-02, -6.93359375e-02, -1.48437500e-01,
         6.68945312e-02, -2.77343750e-01,  5.37109375e-02, -7.20214844e-03,
        -3.51562500e-01, -1.45507812e-01,  3.53515625e-01,  2.24609375e-01,
         7.37304688e-02,  1.36566162e-03,  1.27563477e-02, -8.83789062e-02,
         2.12890625e-01,  5.81054688e-02, -1.77734375e-01, -2.66113281e-02,
         1.71661377e-04, -5.22460938e-02,  2.41210938e-01, -1.87500000e-01,
        -8.69140625e-02, -7.95898438e-02,  4.45556641e-03, -3.34472656e-0
2],
       dtype=float32),
 'implies': array([ 0.15429688, -0.17675781, -0.10351562,  0.11962891, -0.1
8457031,
         0.09277344,  0.35546875,  0.13671875,  0.09326172,  0.01330566,
        -0.32226562, -0.06396484,  0.08740234,  0.14160156, -0.13964844,
         0.41796875, -0.13378906,  0.03076172, -0.17871094, -0.24316406,
        -0.12597656,  0.03088379, -0.01220703,  0.07177734, -0.02746582,
        -0.16894531, -0.09912109,  0.203125  ,  0.15917969,  0.1875    ,
         0.09716797, -0.28515625, -0.00497437,  0.36132812, -0.02453613,
        -0.04101562, -0.02661133,  0.07714844,  0.04516602, -0.14355469,
         0.15625   ,  0.16992188,  0.21386719,  0.06640625, -0.00656128,
        -0.25976562, -0.12158203, -0.01647949, -0.02575684, -0.21777344,
        -0.03564453, -0.25195312, -0.18359375, -0.07617188,  0.12353516,
         0.08105469, -0.14160156, -0.0057373 ,  0.22167969, -0.0144043 ,
         0.07128906,  0.29101562, -0.07910156, -0.22949219, -0.01245117,
         0.01287842, -0.06225586,  0.22070312, -0.26757812, -0.01794434,
         0.03710938,  0.00325012,  0.265625  ,  0.14257812,  0.01831055,
        -0.22851562,  0.11230469,  0.21875   ,  0.1328125 ,  0.17871094,
        -0.06640625, -0.10888672,  0.00933838,  0.12011719, -0.04614258,
         0.0168457 ,  0.04321289,  0.23242188,  0.08154297,  0.12109375,
         0.05126953, -0.23339844, -0.07226562, -0.02539062,  0.08886719,
        -0.10986328, -0.04370117,  0.1484375 ,  0.03979492, -0.05102539,
        -0.02416992, -0.19238281, -0.13378906, -0.06030273, -0.12158203,
        -0.07519531, -0.3515625 , -0.11816406, -0.2890625 , -0.02087402,
        -0.1484375 , -0.05004883,  0.02148438,  0.14453125,  0.04174805,
         0.25195312, -0.18652344,  0.12402344, -0.03393555,  0.14355469,
         0.08349609,  0.02978516, -0.1640625 , -0.05810547, -0.10107422,
         0.09667969,  0.13085938,  0.15722656, -0.07568359,  0.234375  ,
         0.08251953, -0.16308594, -0.046875  ,  0.12207031,  0.01074219,
        -0.15527344, -0.02832031,  0.18554688,  0.18164062, -0.13085938,
         0.18164062, -0.24511719,  0.01782227, -0.07275391, -0.203125  ,
        -0.03466797, -0.19726562, -0.10644531, -0.09130859, -0.08935547,
         0.265625  , -0.05566406,  0.05200195, -0.07470703,  0.03808594,
         0.02233887, -0.17480469,  0.13085938, -0.14257812, -0.13867188,
         0.23242188,  0.10742188, -0.08984375, -0.18945312,  0.08447266,
        -0.0055542 ,  0.01171875, -0.125     , -0.10498047, -0.02062988,
        -0.06689453, -0.15039062,  0.21875   ,  0.02441406, -0.05419922,
         0.04882812,  0.00463867,  0.00056458,  0.16601562,  0.02099609,
        -0.02929688, -0.2265625 ,  0.01104736,  0.10644531, -0.09570312,
         0.12988281,  0.00518799,  0.0859375 ,  0.05078125,  0.00595093,
         0.06640625,  0.02246094, -0.20703125,  0.07080078, -0.140625  ,
         0.19335938, -0.40039062, -0.01507568, -0.0201416 , -0.15722656,
         0.22070312, -0.18457031, -0.14257812, -0.06982422, -0.33398438,
         0.20019531, -0.16796875,  0.0625    , -0.26953125, -0.0267334 ,
        -0.02929688,  0.02819824, -0.04272461,  0.16992188, -0.29101562,
        -0.19335938,  0.24609375,  0.04492188, -0.05175781, -0.01550293,
         0.04125977, -0.00427246,  0.03442383,  0.0255127 ,  0.234375  ,
         0.20019531,  0.003479  ,  0.05297852,  0.10888672,  0.27539062,
        -0.2109375 ,  0.04736328,  0.08007812,  0.24511719,  0.02185059,
```

```
         0.1328125 ,  0.11621094,  0.14257812,  0.12695312, -0.04736328,
        -0.01647949,  0.140625  ,  0.15917969, -0.11132812,  0.08447266,
         0.01379395, -0.01635742,  0.40039062, -0.09033203,  0.05957031,
        -0.05224609, -0.171875  , -0.07568359,  0.15625   , -0.03955078,
        -0.1953125 , -0.140625  ,  0.08300781,  0.04638672, -0.01080322,
        -0.0324707 , -0.11669922,  0.01330566, -0.171875  ,  0.1328125 ,
         0.26171875, -0.13476562, -0.30078125, -0.05297852, -0.12988281,
        -0.15722656, -0.00531006,  0.171875  , -0.00799561, -0.00964355,
        -0.05615234, -0.09960938,  0.0168457 ,  0.140625  ,  0.22753906,
        -0.14746094, -0.09326172, -0.1796875 , -0.01806641,  0.30664062,
        -0.00982666,  0.17480469, -0.02575684, -0.13671875, -0.13964844,
        -0.10449219,  0.265625  , -0.09375   ,  0.16894531,  0.07763672,
        -0.01055908,  0.02587891, -0.08398438,  0.07519531,  0.16015625],
       dtype=float32),
 'performed': array([-0.10449219,  0.1875    , -0.00366211, -0.04589844, -
0.3125    ,
        -0.07275391, -0.09277344, -0.07666016,  0.33789062, -0.02172852,
        -0.05126953, -0.10058594,  0.00680542,  0.20507812,  0.140625  ,
         0.35546875, -0.00175476,  0.00518799, -0.16210938, -0.18652344,
        -0.03173828,  0.05395508, -0.14746094, -0.05371094, -0.2265625 ,
        -0.10986328, -0.16894531, -0.29101562, -0.3125    ,  0.03320312,
         0.01452637, -0.08447266,  0.1640625 , -0.15039062,  0.20898438,
         0.04663086,  0.0135498 ,  0.01226807,  0.09667969, -0.11962891,
        -0.03979492,  0.20507812, -0.0859375 ,  0.16503906,  0.15625   ,
        -0.00909424, -0.36914062, -0.06689453,  0.02929688, -0.13671875,
        -0.13671875,  0.04296875, -0.06494141,  0.02319336, -0.03662109,
        -0.17285156,  0.03222656, -0.01647949,  0.12207031,  0.25195312,
         0.07958984,  0.12353516,  0.05322266, -0.29492188,  0.24511719,
        -0.05932617, -0.25      ,  0.08398438,  0.07910156, -0.24609375,
         0.15625   , -0.296875  ,  0.35546875,  0.27929688,  0.03344727,
        -0.2109375 ,  0.10302734, -0.29296875, -0.06542969,  0.01263428,
        -0.08447266,  0.14453125, -0.05566406,  0.01226807, -0.1484375 ,
        -0.07519531,  0.12792969,  0.02331543, -0.06542969,  0.20898438,
        -0.03955078, -0.12890625,  0.26171875,  0.14160156,  0.02246094,
         0.04492188, -0.0480957 , -0.16992188, -0.10595703, -0.39257812,
        -0.03088379, -0.25195312,  0.03930664,  0.04296875, -0.24414062,
        -0.28710938, -0.08691406, -0.26171875, -0.00107574,  0.01916504,
        -0.0055542 ,  0.24511719,  0.07861328,  0.08447266, -0.10302734,
         0.06542969,  0.14746094, -0.10302734,  0.31835938, -0.07568359,
         0.16894531, -0.02478027, -0.03955078, -0.02758789,  0.12304688,
         0.28515625,  0.07373047, -0.18847656,  0.02758789, -0.0703125 ,
        -0.28320312, -0.08007812,  0.07177734, -0.05273438,  0.01452637,
        -0.11669922,  0.10839844, -0.09814453, -0.19726562,  0.07666016,
        -0.15722656, -0.01220703, -0.14453125,  0.203125  , -0.15820312,
         0.13574219,  0.02648926,  0.16699219,  0.03637695,  0.14355469,
         0.00267029,  0.17578125,  0.05102539,  0.21484375, -0.08740234,
        -0.05102539, -0.28710938, -0.14257812,  0.30078125, -0.17675781,
         0.10498047,  0.29296875,  0.28710938,  0.23925781,  0.09082031,
        -0.38671875,  0.01190186, -0.32421875, -0.06591797, -0.38476562,
        -0.24023438, -0.31054688,  0.15527344, -0.32617188,  0.04345703,
         0.00497437,  0.01092529,  0.00192261,  0.04833984, -0.08935547,
         0.09033203,  0.09033203, -0.02087402,  0.06396484,  0.05664062,
         0.14648438,  0.02587891, -0.19921875, -0.23144531,  0.16210938,
         0.0625    , -0.01385498,  0.23730469, -0.23046875, -0.21582031,
        -0.08886719,  0.3125    , -0.09570312,  0.17578125, -0.16699219,
         0.2421875 ,  0.109375  , -0.22851562, -0.03881836,  0.04882812,
        -0.07421875, -0.0324707 ,  0.15527344, -0.02368164,  0.00141907,
         0.12792969,  0.2734375 , -0.06030273, -0.0456543 , -0.09863281,
        -0.35351562, -0.01965332, -0.06835938, -0.01483154, -0.15820312,
         0.0324707 , -0.14453125, -0.10986328, -0.14355469,  0.17773438,
         0.02124023, -0.16015625, -0.0144043 , -0.16015625, -0.01342773,
         0.08544922, -0.203125  , -0.1796875 ,  0.08447266, -0.07128906,
        -0.02868652,  0.06225586, -0.27734375,  0.19140625,  0.0090332 ,
        -0.14453125,  0.11279297, -0.15820312, -0.20800781,  0.07666016,
```

```
        -0.17675781,  0.01428223,  0.07177734,  0.06787109, -0.2890625 ,
        -0.16308594,  0.05200195,  0.12890625,  0.03417969,  0.06396484,
         0.12451172, -0.20898438, -0.07080078,  0.12890625, -0.06225586,
        -0.01055908,  0.18066406,  0.34375   , -0.015625  ,  0.25976562,
         0.171875  ,  0.07421875, -0.01721191,  0.24707031,  0.11572266,
         0.14355469, -0.14160156, -0.22265625,  0.16503906,  0.39453125,
        -0.24804688, -0.13574219,  0.1484375 , -0.0246582 , -0.19921875,
         0.04614258,  0.20996094, -0.02355957,  0.03515625,  0.21972656,
        -0.30273438,  0.26757812, -0.0559082 ,  0.02075195,  0.17578125,
         0.04663086,  0.20605469, -0.33398438,  0.3046875 , -0.15820312,
         0.35742188,  0.24804688,  0.03759766,  0.20800781, -0.04492188],
       dtype=float32),
 'incumbent': array([-8.34960938e-02, -4.49218750e-01, -7.17163086e-03, -3.
75000000e-01,
        -3.04687500e-01, -9.37500000e-02, -1.61132812e-01, -1.50756836e-02,
        -7.47070312e-02,  5.54199219e-02,  1.44531250e-01,  1.61132812e-01,
        -3.63769531e-02,  9.61914062e-02, -2.28515625e-01,  3.63281250e-01,
         1.64062500e-01,  1.03515625e-01, -1.62109375e-01,  2.19726562e-01,
        -2.33398438e-01,  9.22851562e-02,  1.29882812e-01, -7.37304688e-02,
        -5.40161133e-03, -3.78906250e-01, -4.12597656e-02, -3.03955078e-02,
        -1.43554688e-01,  1.35742188e-01,  2.69531250e-01,  6.74438477e-03,
         7.78198242e-03,  1.42578125e-01,  1.27929688e-01, -1.32812500e-01,
        -4.44335938e-02,  1.96289062e-01, -1.42578125e-01,  1.40625000e-01,
         2.18750000e-01, -1.36718750e-01,  3.08593750e-01, -8.74023438e-02,
        -5.23437500e-01,  4.39453125e-02,  3.92578125e-01, -1.25976562e-01,
        -2.92968750e-01,  5.44433594e-02, -1.63085938e-01,  1.65039062e-01,
        -2.67578125e-01, -1.09375000e-01, -2.98828125e-01,  3.14453125e-01,
         3.08227539e-03,  6.00585938e-02, -7.61718750e-02, -4.68750000e-02,
        -9.81445312e-02,  4.39453125e-02, -3.41796875e-01,  1.12792969e-01,
        -6.98852539e-03,  8.25195312e-02, -1.47460938e-01,  2.50000000e-01,
         1.51367188e-01,  3.75976562e-02,  2.22656250e-01, -4.80957031e-02,
         2.14843750e-01, -2.61718750e-01, -4.41894531e-02,  1.95312500e-02,
        -1.31835938e-01, -5.10253906e-02,  1.86523438e-01, -1.19628906e-02,
         7.47070312e-02,  1.18652344e-01, -4.39453125e-02, -1.07421875e-01,
        -5.98144531e-02, -3.19824219e-02, -9.91210938e-02, -7.69042969e-03,
         1.32812500e-01, -4.22363281e-02,  3.94531250e-01, -9.91210938e-02,
        -8.83789062e-02,  4.58984375e-01, -7.61718750e-02, -2.23632812e-01,
        -3.76892090e-03,  2.46093750e-01,  1.55273438e-01, -3.71093750e-02,
        -1.81640625e-01, -1.80664062e-01,  8.44726562e-02,  3.16406250e-01,
        -2.91015625e-01, -1.62109375e-01,  1.17187500e-01,  2.64892578e-02,
         3.04687500e-01,  7.42187500e-02, -1.41601562e-01, -6.25000000e-02,
        -3.02734375e-01, -2.50000000e-01, -2.85644531e-02, -1.83593750e-01,
         5.00488281e-02, -2.08984375e-01,  1.51367188e-01,  4.46777344e-02,
        -2.51953125e-01,  2.92968750e-01, -9.91210938e-02, -7.76367188e-02,
        -1.05468750e-01, -1.88476562e-01,  1.48437500e-01,  2.66113281e-02,
        -6.54296875e-02, -1.48437500e-01,  2.08740234e-02, -4.82177734e-03,
         1.11816406e-01, -2.61230469e-02, -3.24218750e-01,  2.36816406e-02,
         5.83496094e-02, -1.24023438e-01,  8.05664062e-02,  2.55859375e-01,
        -5.24902344e-02,  5.11718750e-01, -9.52148438e-02,  1.81640625e-01,
         1.13281250e-01, -8.05664062e-02, -2.55859375e-01, -1.43554688e-01,
         2.15820312e-01, -1.26953125e-01,  6.83593750e-02, -5.07812500e-02,
         1.46484375e-01,  5.39550781e-02,  3.61328125e-01,  1.31835938e-01,
        -1.36718750e-01, -2.08007812e-01,  3.58886719e-02, -1.33789062e-01,
        -4.94140625e-01,  1.70898438e-01,  4.46777344e-02,  3.17382812e-02,
         3.66210938e-02, -1.35742188e-01, -3.68652344e-02,  1.84570312e-01,
         1.20117188e-01,  1.22070312e-01,  1.61132812e-01,  6.53076172e-03,
        -1.19140625e-01, -2.08984375e-01, -4.51660156e-02, -3.14453125e-01,
         5.32226562e-02, -1.16210938e-01,  1.67968750e-01, -1.45507812e-01,
        -1.60156250e-01, -6.12792969e-02, -7.86132812e-02, -2.08007812e-01,
         1.08398438e-01, -1.28906250e-01,  2.09960938e-01,  1.86523438e-01,
         4.83398438e-02,  3.16406250e-01, -4.41894531e-02, -3.12805176e-03,
        -2.02148438e-01,  2.53906250e-01,  1.34765625e-01,  6.22558594e-02,
         8.30078125e-02,  4.76562500e-01,  1.10351562e-01,  3.59375000e-01,
        -3.69140625e-01, -2.46093750e-01,  2.87109375e-01, -5.59082031e-02,
```

```
         1.14746094e-01,  2.77343750e-01,  2.40234375e-01, -2.87109375e-01,
        -2.09960938e-01, -1.39648438e-01, -1.31835938e-01,  4.33593750e-01,
        -2.23632812e-01, -8.20312500e-02, -8.74023438e-02, -1.52343750e-01,
        -1.92382812e-01, -3.18359375e-01,  7.08007812e-02, -1.11328125e-01,
         2.44140625e-01,  1.33789062e-01, -2.44140625e-03,  1.51367188e-01,
         6.07910156e-02,  3.24218750e-01,  1.89453125e-01,  1.08886719e-01,
         2.39257812e-01,  1.83593750e-01, -1.85546875e-01,  2.05078125e-02,
         1.69677734e-02,  3.78417969e-02, -1.00585938e-01,  2.67578125e-01,
         1.74560547e-02, -3.41796875e-01, -4.43359375e-01,  2.43164062e-01,
         6.68945312e-02, -1.81640625e-01,  2.30468750e-01, -1.73828125e-01,
        -1.54296875e-01,  3.12500000e-02, -5.44433594e-02, -3.95507812e-02,
        -2.85156250e-01, -3.04687500e-01, -4.60937500e-01,  2.68554688e-02,
        -2.79296875e-01,  1.96289062e-01, -2.08984375e-01,  9.52148438e-02,
         1.48437500e-01,  1.87500000e-01,  8.05664062e-02, -1.22070312e-01,
        -2.97851562e-02,  2.15820312e-01, -5.64575195e-03,  1.88476562e-01,
         1.44531250e-01,  4.56542969e-02,  2.02148438e-01,  1.35742188e-01,
        -4.66796875e-01,  1.37695312e-01, -2.20703125e-01,  4.07714844e-02,
        -1.38671875e-01, -2.39257812e-01, -2.44140625e-01,  2.89062500e-01,
         3.02734375e-01, -3.95507812e-02, -2.26562500e-01,  8.93554688e-02,
        -1.16699219e-01,  8.25195312e-02, -3.77655029e-04, -1.03515625e-01,
         1.34765625e-01, -2.21679688e-01, -6.29882812e-02,  5.85937500e-02,
         1.93359375e-01,  4.37011719e-02, -2.65625000e-01, -1.42211914e-02,
        -1.96289062e-01, -9.32617188e-02,  1.44531250e-01, -1.77734375e-01,
        -6.34765625e-02,  2.42614746e-03, -1.92382812e-01,  5.41992188e-0
2],
       dtype=float32),
 'employees': array([-0.03588867, -0.20703125, -0.03930664,  0.3359375 ,
0.09570312,
        -0.11767578, -0.02978516,  0.08544922,  0.09912109,  0.125     ,
        -0.03442383, -0.05957031, -0.03759766, -0.08740234, -0.05419922,
         0.05639648, -0.07861328,  0.00393677, -0.05517578,  0.35351562,
        -0.02929688, -0.19042969,  0.10693359, -0.14355469,  0.16894531,
         0.04614258, -0.28515625, -0.07714844, -0.05712891, -0.24316406,
         0.12011719, -0.2890625 , -0.20605469,  0.08886719,  0.06542969,
        -0.11962891,  0.12207031,  0.03710938, -0.20703125, -0.00976562,
         0.08691406, -0.13574219, -0.04858398, -0.19335938, -0.18359375,
        -0.1796875 , -0.18945312, -0.07226562, -0.11035156,  0.078125  ,
        -0.04492188, -0.171875  ,  0.19238281,  0.22949219,  0.07324219,
        -0.05737305, -0.01483154, -0.05541992, -0.15039062,  0.02294922,
         0.05786133,  0.23535156, -0.34570312,  0.01226807,  0.05175781,
         0.01153564,  0.05932617,  0.20703125,  0.17578125,  0.05908203,
        -0.23828125, -0.06030273,  0.10791016, -0.03015137,  0.08984375,
        -0.04541016,  0.01452637, -0.00396729, -0.0612793 , -0.10839844,
         0.07568359, -0.14550781, -0.03442383,  0.27734375, -0.2265625 ,
         0.01043701, -0.06738281,  0.13671875,  0.01037598,  0.00089645,
         0.08837891, -0.12451172, -0.09082031,  0.08251953, -0.00732422,
        -0.03808594, -0.07519531,  0.00466919,  0.26367188, -0.07666016,
        -0.09716797, -0.49023438, -0.18945312,  0.20605469,  0.12695312,
        -0.34570312,  0.09472656,  0.05102539,  0.07080078, -0.1640625 ,
        -0.10693359, -0.09033203, -0.13769531, -0.24707031, -0.04833984,
         0.08691406,  0.24316406, -0.09423828,  0.20410156,  0.04980469,
        -0.23144531,  0.09765625, -0.22949219,  0.0007782 ,  0.3125    ,
        -0.0222168 , -0.06982422, -0.13183594,  0.03063965,  0.10791016,
        -0.37109375, -0.16992188,  0.09521484, -0.26367188,  0.04394531,
        -0.13085938, -0.29296875, -0.00946045,  0.01495361, -0.13574219,
         0.06689453, -0.24316406,  0.12695312,  0.0291748 , -0.19726562,
        -0.04541016, -0.06494141, -0.0112915 ,  0.06787109,  0.19238281,
         0.15332031,  0.11474609, -0.12988281,  0.08984375, -0.1328125 ,
         0.01556396, -0.03173828, -0.10791016, -0.28710938,  0.07763672,
         0.04052734,  0.01312256, -0.13183594,  0.02197266,  0.08935547,
        -0.01623535, -0.27734375,  0.04223633,  0.12597656,  0.14648438,
         0.23632812, -0.08056641,  0.10839844,  0.10791016,  0.10205078,
        -0.09228516,  0.04174805,  0.09960938, -0.15136719, -0.27734375,
        -0.15820312,  0.16796875, -0.16503906, -0.4609375 , -0.14941406,
```

```
        -0.01733398,  0.10839844,  0.28125   ,  0.11132812,  0.0612793 ,
        -0.27539062, -0.14160156, -0.01312256,  0.01177979, -0.17871094,
         0.01208496, -0.00285339,  0.15917969, -0.00750732, -0.06176758,
         0.13574219,  0.15722656,  0.11132812,  0.07421875, -0.15917969,
        -0.20410156, -0.13671875,  0.03051758, -0.07324219, -0.08691406,
         0.24707031, -0.12695312, -0.14746094,  0.37695312,  0.30078125,
         0.17480469,  0.06982422,  0.10498047, -0.28320312,  0.07470703,
         0.08837891, -0.09423828,  0.06298828, -0.06445312,  0.14648438,
        -0.14648438, -0.19433594, -0.00939941,  0.00239563, -0.2890625 ,
         0.01965332,  0.00212097,  0.00793457,  0.0279541 , -0.03979492,
        -0.38867188,  0.23144531, -0.03149414,  0.00668335, -0.07275391,
         0.02087402, -0.11669922, -0.12207031, -0.31054688,  0.06152344,
         0.10791016, -0.2734375 ,  0.08544922,  0.09277344, -0.08837891,
        -0.26171875,  0.16308594, -0.18457031, -0.18164062, -0.16503906,
        -0.32226562,  0.13867188,  0.25195312, -0.15332031,  0.41210938,
         0.01080322, -0.28320312, -0.20703125,  0.10693359, -0.11523438,
         0.15625   ,  0.11376953,  0.13867188, -0.171875  ,  0.13671875,
         0.00497437,  0.13867188,  0.05395508,  0.0546875 , -0.19335938,
        -0.05932617, -0.05493164,  0.09179688,  0.12597656, -0.17871094,
        -0.17871094,  0.02160645, -0.0213623 ,  0.39648438, -0.08154297,
         0.01422119, -0.0144043 , -0.15039062,  0.32421875,  0.03710938,
        -0.03686523,  0.09326172, -0.13183594,  0.13574219,  0.15136719,
         0.10400391,  0.1875    ,  0.10546875,  0.01782227, -0.22851562],
       dtype=float32),
 'follow': array([-9.27734375e-02, -7.99560547e-03,  2.01171875e-01,  7.763
67188e-02,
        -8.42285156e-03, -5.73730469e-03, -5.44433594e-02,  1.40625000e-01,
         6.38961792e-05,  1.64062500e-01, -4.85839844e-02,  9.08203125e-02,
         1.48437500e-01,  2.77343750e-01, -2.01171875e-01, -1.41601562e-02,
         2.65625000e-01, -1.34765625e-01, -6.49414062e-02, -5.54199219e-02,
         1.51367188e-01,  1.51367188e-01, -1.90734863e-04,  2.55859375e-01,
         1.45507812e-01,  1.97265625e-01, -1.78710938e-01,  7.51953125e-02,
         1.28906250e-01, -2.91748047e-02, -1.41601562e-01, -1.03027344e-01,
        -1.31835938e-01, -1.52343750e-01, -2.73437500e-01, -2.13867188e-01,
         3.49609375e-01, -1.12792969e-01,  9.52148438e-02,  5.44433594e-02,
         3.00781250e-01, -7.99560547e-03,  1.47705078e-02,  1.22680664e-02,
         1.26953125e-02,  1.34277344e-02, -6.59179688e-02, -6.20117188e-02,
        -4.63867188e-02, -1.87500000e-01, -1.02050781e-01,  7.71484375e-02,
         2.73437500e-02, -1.54296875e-01,  1.35742188e-01, -5.27343750e-02,
        -1.09375000e-01, -2.73437500e-01, -7.66601562e-02, -1.45507812e-01,
         3.12805176e-03, -2.45117188e-01,  7.91015625e-02,  8.83789062e-02,
         6.78710938e-02,  6.49414062e-02, -3.12500000e-02,  7.56835938e-02,
         2.53906250e-01,  6.03027344e-02, -1.17187500e-01, -8.83789062e-02,
         2.57812500e-01, -7.66601562e-02, -7.56835938e-02, -1.52343750e-01,
        -1.50390625e-01,  1.62109375e-01,  9.52148438e-02,  2.02148438e-01,
        -3.71093750e-02,  1.92382812e-01,  1.07421875e-01, -5.24902344e-02,
        -6.39648438e-02,  4.29687500e-02, -1.23535156e-01,  4.66308594e-02,
         4.80957031e-02,  1.45721436e-03,  1.84570312e-01, -1.17675781e-01,
         1.35742188e-01, -6.34765625e-02,  3.18359375e-01, -2.55859375e-01,
         7.99560547e-03, -1.84326172e-02, -1.21582031e-01,  4.22363281e-02,
         1.96289062e-01, -2.34375000e-01,  1.39648438e-01,  1.66015625e-02,
        -2.11914062e-01, -3.53515625e-01,  1.54418945e-02, -6.73828125e-02,
         7.71484375e-02,  1.10351562e-01, -7.93457031e-04,  8.10546875e-02,
        -7.47070312e-02, -2.55859375e-01,  2.37304688e-01, -3.39355469e-02,
        -1.74804688e-01, -4.15039062e-03,  5.44433594e-02,  2.50000000e-01,
        -4.68750000e-02, -6.05468750e-02,  3.58886719e-02,  2.13623047e-02,
         2.25585938e-01,  6.34765625e-02, -2.30712891e-02, -1.51367188e-01,
        -6.17675781e-02,  1.12792969e-01, -2.08007812e-01, -3.43750000e-01,
         1.55273438e-01,  1.29882812e-01,  9.52148438e-02, -1.25000000e-01,
         8.10546875e-02,  1.70898438e-02,  4.37011719e-02,  3.34472656e-02,
         1.74804688e-01,  1.92382812e-01, -3.51562500e-01,  4.17480469e-02,
        -6.12792969e-02,  2.11914062e-01, -1.35742188e-01, -3.80859375e-01,
         1.16210938e-01, -4.05273438e-02, -8.93554688e-02,  3.07617188e-02,
         6.22558594e-02,  1.00708008e-02,  3.25012207e-03, -1.98242188e-01,
```

```
        -9.71679688e-02, -2.07031250e-01,  1.49414062e-01,  1.74804688e-01,
         2.73437500e-01,  7.27539062e-02, -2.02148438e-01, -2.36816406e-02,
         1.48437500e-01, -1.31835938e-01,  1.75781250e-01, -5.00488281e-02,
        -1.09863281e-01,  8.00781250e-02, -2.69531250e-01, -2.02148438e-01,
         1.04980469e-01,  1.41601562e-01, -5.00488281e-02, -7.56835938e-02,
         1.45874023e-02,  5.83496094e-02,  1.77734375e-01,  6.98242188e-02,
        -3.18359375e-01, -2.37304688e-01, -7.51953125e-02,  1.57226562e-01,
        -1.62353516e-02,  5.49316406e-02,  6.93359375e-02, -4.76074219e-02,
         1.53320312e-01,  1.57226562e-01,  2.26562500e-01,  1.34765625e-01,
         2.77343750e-01, -6.29882812e-02,  1.96533203e-02,  5.91278076e-04,
         6.88476562e-02, -1.01074219e-01, -5.27343750e-02, -1.26953125e-01,
         8.49609375e-02, -5.59082031e-02, -7.37304688e-02,  6.54296875e-02,
        -2.23632812e-01, -8.11767578e-03, -6.93359375e-02, -2.15820312e-01,
         3.57421875e-01,  4.85839844e-02,  1.62109375e-01,  1.40625000e-01,
         1.97265625e-01, -5.61523438e-02, -2.75390625e-01,  1.31225586e-02,
         2.65625000e-01, -2.75390625e-01, -2.40234375e-01, -1.99218750e-01,
         6.89697266e-03, -8.20312500e-02, -5.59082031e-02,  1.25976562e-01,
         2.94921875e-01, -3.10546875e-01,  8.30078125e-02, -2.02148438e-01,
         2.57812500e-01, -1.91650391e-02,  1.32812500e-01,  5.02929688e-02,
         1.72119141e-02, -3.41796875e-02,  2.36328125e-01, -1.11328125e-01,
        -5.41992188e-02, -1.94091797e-02,  1.39648438e-01,  6.40869141e-03,
        -6.71386719e-03, -1.82617188e-01,  1.39770508e-02,  3.11279297e-02,
         2.36328125e-01, -2.11914062e-01, -9.09423828e-03,  2.38281250e-01,
         1.15356445e-02, -2.75390625e-01, -6.00585938e-02,  2.20703125e-01,
        -1.11389160e-03,  1.57226562e-01,  2.91015625e-01,  7.32421875e-02,
         1.44531250e-01,  2.28271484e-02, -2.89306641e-02, -8.54492188e-02,
        -3.08837891e-02,  1.02539062e-01,  1.31835938e-01,  1.21093750e-01,
         2.89062500e-01,  2.44140625e-02,  2.92968750e-02, -9.52148438e-02,
         1.25976562e-01, -9.42382812e-02,  2.67578125e-01,  7.42187500e-02,
        -1.70898438e-02,  1.27929688e-01,  1.29882812e-01, -1.56250000e-01,
        -1.22070312e-01,  1.80664062e-02,  3.20312500e-01,  6.17675781e-02,
         1.06933594e-01, -7.51953125e-02,  3.08837891e-02,  4.07714844e-02,
        -4.24804688e-02,  2.02148438e-01, -1.23046875e-01,  9.81445312e-02,
         8.00781250e-02,  9.27734375e-02,  7.37304688e-02,  1.14257812e-01,
         1.11328125e-01,  1.60156250e-01,  1.62109375e-01, -1.20117188e-01,
         1.00097656e-01, -1.23046875e-01,  1.83593750e-01, -7.42187500e-0
2],
       dtype=float32),
 'requested': array([ 5.88989258e-03,  1.23535156e-01,  1.03027344e-01, -2.
57812500e-01,
        -1.67968750e-01, -1.04370117e-02,  1.73828125e-01,  7.81250000e-02,
         9.76562500e-02, -1.84570312e-01, -1.65557861e-03, -3.17382812e-02,
         2.85644531e-02,  5.90820312e-02, -4.27246094e-02,  4.64843750e-01,
        -3.56445312e-02, -2.73437500e-01, -1.83593750e-01,  9.27734375e-02,
         4.07714844e-02,  7.27539062e-02,  2.36816406e-02, -6.07910156e-02,
        -1.10839844e-01, -9.17968750e-02, -6.44531250e-02, -4.68750000e-02,
        -1.22070312e-01,  1.67968750e-01,  4.71191406e-02, -3.69140625e-01,
        -5.49316406e-02,  1.22070312e-01, -1.38671875e-01, -2.20703125e-01,
         8.34960938e-02, -9.22851562e-02, -2.19726562e-01, -3.18359375e-01,
         1.11694336e-02, -1.63574219e-02,  4.63867188e-02, -1.78710938e-01,
         2.70996094e-02, -3.94531250e-01, -1.29882812e-01, -2.07031250e-01,
        -1.41601562e-01,  9.47265625e-02, -1.39648438e-01, -4.08203125e-01,
        -6.44531250e-02,  1.49536133e-02, -1.68945312e-01,  3.49609375e-01,
        -1.82617188e-01,  1.70898438e-01,  2.51953125e-01, -3.63769531e-02,
        -7.61718750e-02, -6.22558594e-02, -2.20947266e-02, -1.25122070e-03,
         4.49218750e-02,  7.99560547e-03, -1.24023438e-01,  3.85742188e-02,
         2.83203125e-02, -3.06396484e-02,  1.52343750e-01, -2.29492188e-01,
        -2.46582031e-02,  2.07031250e-01, -1.16210938e-01,  6.88476562e-02,
         2.14843750e-01, -6.71386719e-03,  5.10253906e-02,  3.73535156e-02,
         2.34375000e-01, -2.75878906e-02,  1.70898438e-01,  2.12890625e-01,
        -5.51757812e-02, -2.16796875e-01, -2.22656250e-01, -3.75976562e-02,
         1.85546875e-01,  2.87109375e-01,  1.14746094e-01, -9.22851562e-02,
         1.15234375e-01, -2.63671875e-01,  1.30615234e-02, -1.55273438e-01,
         2.88391113e-03,  2.14843750e-01, -8.59375000e-02, -1.14257812e-01,
```

```
         1.78710938e-01,  6.68945312e-02, -2.57812500e-01,  5.40161133e-03,
         1.23535156e-01, -1.00708008e-02, -8.93554688e-02,  1.03759766e-02,
         8.98437500e-02,  1.69921875e-01, -4.34570312e-02, -1.39648438e-01,
         3.85742188e-02,  1.23046875e-01, -4.49218750e-02,  1.09863281e-02,
         2.12890625e-01, -6.22558594e-02,  4.60937500e-01,  9.13085938e-02,
         1.05468750e-01,  2.16674805e-03, -4.41894531e-02,  1.30859375e-01,
        -1.04003906e-01, -3.32031250e-02,  6.25610352e-03, -2.85156250e-01,
         7.91015625e-02, -4.46777344e-02,  4.00390625e-02,  8.23974609e-03,
        -1.33789062e-01, -1.34765625e-01, -4.24804688e-02, -2.85156250e-01,
        -2.51953125e-01, -5.56640625e-02,  1.00585938e-01,  1.28906250e-01,
        -6.59179688e-02, -1.08032227e-02, -2.25585938e-01, -3.00781250e-01,
         4.56542969e-02,  6.71386719e-03, -2.67578125e-01, -3.80859375e-02,
        -1.04980469e-01,  8.05664062e-02,  5.39550781e-02,  2.08984375e-01,
         9.42382812e-02, -1.72851562e-01,  1.05285645e-03, -2.13623047e-02,
        -1.48437500e-01,  1.22558594e-01, -3.41796875e-01, -5.37109375e-02,
         5.73730469e-02, -9.86328125e-02,  1.32812500e-01,  3.08837891e-02,
        -9.17968750e-02, -1.58203125e-01, -4.90722656e-02, -2.36816406e-02,
         2.16796875e-01, -2.20703125e-01,  1.90429688e-01,  9.91210938e-02,
         7.71484375e-02,  1.28906250e-01,  7.71484375e-02, -1.42578125e-01,
         3.18359375e-01,  2.07031250e-01, -3.30078125e-01,  1.27929688e-01,
        -8.83789062e-02,  1.44531250e-01, -1.66992188e-01,  1.18652344e-01,
        -4.29687500e-02, -2.02148438e-01,  2.74658203e-02, -1.39648438e-01,
         1.16699219e-01, -3.61328125e-02,  9.46044922e-03, -2.08007812e-01,
         5.88378906e-02, -6.49414062e-02,  1.67968750e-01,  1.38671875e-01,
         2.63671875e-01, -7.03125000e-02, -5.27343750e-02, -1.64062500e-01,
         7.66601562e-02,  2.37304688e-01,  4.27246094e-02, -8.36181641e-03,
         3.75976562e-02,  1.15234375e-01,  1.84570312e-01,  1.36718750e-01,
         8.05664062e-02,  1.08398438e-01, -3.29971313e-04,  1.32812500e-01,
         2.55126953e-02, -5.00488281e-03, -1.54296875e-01,  4.58984375e-02,
         1.46484375e-01,  1.03515625e-01, -4.49218750e-02, -3.29589844e-02,
        -5.71289062e-02, -1.33789062e-01, -1.75781250e-01, -4.18090820e-03,
         6.25000000e-02,  5.37109375e-02,  5.55419922e-03,  3.28125000e-01,
         1.18652344e-01, -5.29785156e-02, -3.56445312e-02,  5.27343750e-02,
        -3.88183594e-02,  8.20312500e-02,  6.83593750e-03,  8.00781250e-02,
         1.26953125e-01, -2.57812500e-01,  2.35351562e-01, -1.20605469e-01,
         1.64062500e-01, -1.35742188e-01,  9.91210938e-02,  3.01513672e-02,
         9.61914062e-02,  1.59179688e-01,  1.45874023e-02,  2.73437500e-02,
         1.46484375e-01, -2.13867188e-01,  2.57812500e-01,  1.57226562e-01,
        -8.25195312e-02,  2.08740234e-02, -5.61523438e-03, -1.80664062e-01,
         8.49609375e-02, -9.66796875e-02, -2.61306763e-04, -1.03515625e-01,
        -3.00781250e-01, -3.34472656e-02, -2.36328125e-01, -2.43164062e-01,
         5.37109375e-02,  1.24023438e-01, -1.57226562e-01,  6.73828125e-02,
         1.25976562e-01, -8.98437500e-02,  3.73046875e-01, -1.47705078e-02,
         4.93164062e-02, -3.49121094e-02,  7.27539062e-02, -2.96875000e-01,
        -1.55639648e-02, -2.26562500e-01, -6.68945312e-02, -6.25000000e-02,
        -2.48046875e-01,  1.43554688e-01, -5.15747070e-03,  1.53320312e-01,
         7.91015625e-02,  6.83593750e-02,  1.52343750e-01,  2.65625000e-01,
         2.83203125e-01,  6.00585938e-02, -1.35742188e-01, -2.59765625e-01,
         3.88183594e-02,  9.32617188e-02,  1.75781250e-01,  8.88671875e-02,
        -1.25732422e-02, -2.05078125e-01, -1.79687500e-01, -1.33789062e-0
1],
       dtype=float32),
 'authorized': array([ 2.18750000e-01, -7.47070312e-02,  1.61132812e-01, -
1.91406250e-01,
        -1.88476562e-01, -1.48437500e-01,  1.02050781e-01,  6.22558594e-02,
         3.92578125e-01, -2.50000000e-01,  2.51770020e-03, -8.17871094e-03,
        -6.54296875e-02, -1.16699219e-01, -1.71875000e-01,  3.61328125e-01,
        -2.34375000e-01, -1.65039062e-01,  1.25976562e-01,  1.28906250e-01,
         4.58984375e-02, -5.29785156e-02, -1.69921875e-01,  2.01171875e-01,
         7.56835938e-02, -1.52343750e-01, -5.32226562e-02,  1.50390625e-01,
        -9.91210938e-02, -7.81250000e-03,  1.11328125e-01, -9.61914062e-02,
         1.04492188e-01, -1.36718750e-01, -2.42187500e-01, -8.69140625e-02,
        -1.30859375e-01, -1.72851562e-01, -3.71093750e-02, -4.47265625e-01,
         1.45507812e-01, -3.51562500e-02,  1.22558594e-01, -1.61132812e-01,
```

```
 7.86132812e-02, -1.07910156e-01,  2.08984375e-01, -1.06933594e-01,
-3.02734375e-01, -6.68945312e-02, -2.63671875e-01, -2.00195312e-01,
 1.79687500e-01,  2.11914062e-01, -1.98242188e-01,  3.47656250e-01,
-3.20312500e-01, -8.44726562e-02,  5.03906250e-01, -1.86523438e-01,
-6.05468750e-02,  4.85229492e-03, -2.16796875e-01, -1.68945312e-01,
-1.72851562e-01,  3.51562500e-02, -2.98828125e-01,  4.29687500e-01,
-1.00097656e-01, -1.93359375e-01,  5.05371094e-02, -7.66601562e-02,
-9.96093750e-02,  3.06640625e-01, -7.61718750e-02, -5.56640625e-02,
 3.61328125e-01, -7.51953125e-02, -5.44433594e-02, -2.33398438e-01,
 3.46679688e-02,  1.03027344e-01,  1.12304688e-01,  3.18359375e-01,
 1.75781250e-02,  6.83593750e-02, -1.11083984e-02, -1.87683105e-03,
-1.61132812e-02,  1.12304688e-02, -2.05078125e-02,  2.44140625e-01,
-1.22070312e-01, -1.55273438e-01,  1.04003906e-01, -2.81250000e-01,
-1.04492188e-01,  1.72851562e-01, -1.12792969e-01, -2.06054688e-01,
 1.86523438e-01,  1.41601562e-01, -2.14843750e-01,  2.37304688e-01,
 8.10546875e-02, -1.44531250e-01, -1.58203125e-01, -1.61132812e-01,
 5.73730469e-02, -2.45117188e-01,  7.91015625e-02,  7.12890625e-02,
 8.27789307e-04, -5.17578125e-02,  7.42187500e-02,  2.43164062e-01,
 8.59375000e-02, -3.12500000e-01,  3.55468750e-01, -1.21582031e-01,
 4.41894531e-02,  2.47070312e-01,  1.93359375e-01,  2.37304688e-01,
 8.30078125e-02,  5.24902344e-02, -4.71191406e-02, -2.45117188e-01,
 2.52685547e-02,  1.18164062e-01,  1.69921875e-01,  1.99218750e-01,
-2.10937500e-01,  3.00781250e-01,  8.83789062e-02, -2.89062500e-01,
-3.24218750e-01,  9.91210938e-02,  1.32812500e-01, -4.39453125e-02,
-7.86132812e-02,  1.60156250e-01, -4.00390625e-02, -2.44140625e-01,
-9.03320312e-02, -8.00781250e-02, -2.77343750e-01, -5.37109375e-02,
-4.11987305e-03, -6.39648438e-02,  2.29492188e-01,  7.37304688e-02,
 5.51757812e-02, -1.34765625e-01,  2.43164062e-01, -5.56640625e-02,
-4.61425781e-02,  2.15820312e-01, -4.05273438e-02,  6.93359375e-02,
 2.32421875e-01, -8.93554688e-02,  5.05371094e-02,  2.11000443e-05,
-2.49023438e-01, -7.76367188e-02,  2.52685547e-02, -8.42285156e-03,
 2.53906250e-01, -2.11914062e-01,  3.12500000e-02,  1.32812500e-01,
 3.71093750e-01, -2.42187500e-01, -9.66796875e-02, -5.71289062e-02,
 1.28906250e-01, -7.86132812e-02, -3.51562500e-01, -2.81250000e-01,
-1.14746094e-01, -2.45361328e-02, -2.25585938e-01, -2.22656250e-01,
 2.33398438e-01, -2.49023438e-01,  3.78906250e-01,  9.17968750e-02,
-6.20117188e-02,  3.30078125e-01,  1.09863281e-01,  4.27246094e-02,
-2.42187500e-01, -1.29394531e-02, -1.73828125e-01,  1.10351562e-01,
 4.73022461e-03,  1.70898438e-02,  8.88671875e-02, -3.08593750e-01,
 3.08593750e-01,  4.00390625e-01,  3.69140625e-01,  1.66015625e-01,
 9.96093750e-02,  1.14746094e-01,  5.73730469e-02,  1.45507812e-01,
-8.98437500e-02, -2.98828125e-01, -6.03027344e-02,  1.35498047e-02,
-2.09960938e-01,  1.74804688e-01, -1.26953125e-01,  2.50000000e-01,
 1.66992188e-01,  1.23046875e-01, -2.24609375e-01,  1.68609619e-03,
-2.15820312e-01, -2.12402344e-02,  9.03320312e-02,  2.47070312e-01,
 2.98828125e-01, -2.85644531e-02,  1.12792969e-01,  1.45507812e-01,
 1.18652344e-01, -2.25585938e-01, -1.62109375e-01,  1.29882812e-01,
-6.17675781e-02,  2.29492188e-01, -4.54101562e-02, -1.39648438e-01,
 4.00390625e-01,  6.34765625e-02,  2.67578125e-01, -8.59375000e-02,
-2.30468750e-01, -1.69921875e-01, -1.25000000e-01,  2.55859375e-01,
 7.91015625e-02,  1.35742188e-01, -1.27929688e-01,  3.65234375e-01,
 2.23632812e-01, -2.57812500e-01,  2.78320312e-02, -8.00781250e-02,
 5.00488281e-02, -1.08886719e-01,  3.59375000e-01, -4.49218750e-02,
 7.32421875e-02, -2.13867188e-01,  6.78710938e-02, -1.26953125e-01,
-1.85546875e-01,  2.41699219e-02, -7.12890625e-02, -3.57421875e-01,
 1.09863281e-02, -7.27539062e-02, -3.44238281e-02,  9.61914062e-02,
 8.15429688e-02, -1.40625000e-01,  8.34960938e-02, -1.29882812e-01,
 2.59765625e-01, -3.75976562e-02,  1.29882812e-01, -1.40625000e-01,
 5.44433594e-02,  1.66992188e-01, -1.07421875e-01, -2.47802734e-02,
-3.30078125e-01,  2.30468750e-01,  2.47070312e-01,  2.02148438e-01,
 6.59179688e-02, -1.43554688e-01, -8.44726562e-02,  1.06445312e-01,
 3.96484375e-01, -9.81445312e-02,  3.39355469e-02, -1.00097656e-01,
 1.04003906e-01, -1.06811523e-02,  2.22167969e-02,  1.96289062e-01,
 3.54003906e-02, -1.21093750e-01, -1.76757812e-01, -3.45703125e-0
```

```
1],
       dtype=float32),
 'give': array([ 6.20117188e-02, -1.22558594e-01,  1.68457031e-02,  8.69140
625e-02,
         7.66601562e-02, -7.03125000e-02,  1.45507812e-01, -3.80859375e-02,
         4.76074219e-02,  2.03125000e-01, -2.24609375e-01, -1.22558594e-01,
        -3.46679688e-02,  3.47656250e-01, -5.61523438e-02,  2.69531250e-01,
         8.49609375e-02,  7.47070312e-02, -1.59179688e-01, -2.02636719e-02,
        -5.24902344e-02, -5.39550781e-02,  1.92382812e-01,  2.29492188e-01,
         4.61425781e-02, -3.24707031e-02, -1.10351562e-01, -7.91015625e-02,
        -6.07910156e-02,  1.74804688e-01, -6.34765625e-02,  4.79125977e-03,
        -3.43750000e-01,  7.61718750e-02, -5.66406250e-02, -1.22070312e-01,
         1.63085938e-01,  1.59912109e-02, -7.47070312e-02,  1.51367188e-01,
         8.34960938e-02,  5.29785156e-02,  1.68945312e-01,  3.34472656e-02,
        -5.27343750e-02, -1.28906250e-01, -1.00585938e-01, -5.24902344e-02,
         1.62109375e-01,  2.59765625e-01, -1.23046875e-01,  2.01171875e-01,
         6.29882812e-02, -3.38745117e-03, -1.40625000e-01,  3.17382812e-02,
        -1.36718750e-01,  1.05468750e-01, -7.95898438e-02, -2.12890625e-01,
         1.79687500e-01, -2.22656250e-01, -2.47070312e-01, -1.25000000e-01,
         1.20117188e-01, -1.86523438e-01, -2.89306641e-02,  2.28271484e-02,
        -3.32031250e-02,  1.63085938e-01,  4.10156250e-02,  2.03125000e-01,
        -1.10473633e-02,  5.67626953e-03, -8.69140625e-02, -1.74804688e-01,
         2.07031250e-01,  2.89062500e-01,  1.95312500e-01,  1.09375000e-01,
        -8.93554688e-02,  2.04101562e-01, -1.67236328e-02,  1.60156250e-01,
        -5.51757812e-02, -3.54003906e-02, -1.09863281e-01, -3.97949219e-02,
        -1.04980469e-01, -4.34570312e-02,  3.97949219e-02,  1.97265625e-01,
         2.91442871e-03, -1.50390625e-01,  6.25000000e-02, -3.45703125e-01,
         1.10839844e-01,  3.67187500e-01,  9.42382812e-02, -3.41796875e-02,
         1.08032227e-02, -1.47460938e-01, -4.51660156e-02, -1.78710938e-01,
        -9.57031250e-02, -1.30615234e-02, -3.85742188e-02, -2.12402344e-02,
         1.35498047e-02,  1.53320312e-01, -7.37304688e-02, -6.68945312e-02,
         1.78222656e-02, -2.41210938e-01,  1.95312500e-01,  8.25195312e-02,
         8.05664062e-02,  6.34765625e-02,  1.44531250e-01, -9.08203125e-02,
         9.22851562e-02,  9.03320312e-03, -1.03515625e-01,  2.53906250e-01,
        -2.44140625e-02, -6.25000000e-02, -9.03320312e-03, -3.33984375e-01,
         2.73437500e-02,  7.22656250e-02,  2.08984375e-01, -8.93554688e-02,
        -5.05371094e-02,  7.66601562e-02,  1.80664062e-02, -1.41601562e-01,
         2.08984375e-01,  1.63085938e-01, -1.38671875e-01, -4.02832031e-03,
        -4.41894531e-02,  9.17968750e-02, -2.46093750e-01, -1.49414062e-01,
        -3.07617188e-02, -1.43432617e-02, -7.81250000e-02, -4.58984375e-01,
        -7.66601562e-02, -2.06298828e-02,  2.31933594e-02,  3.03955078e-02,
        -1.79687500e-01,  1.42211914e-02, -5.78613281e-02,  8.39843750e-02,
         2.00195312e-01, -2.96875000e-01, -1.87988281e-02, -1.24511719e-02,
         5.93261719e-02, -7.71484375e-02, -1.29882812e-01, -8.49609375e-02,
         2.96630859e-02, -2.32421875e-01,  8.34960938e-02, -6.49414062e-02,
        -8.54492188e-02, -1.66992188e-01, -2.75390625e-01, -1.33789062e-01,
         2.72216797e-02,  7.95898438e-02,  8.05664062e-02, -1.72851562e-01,
         2.42187500e-01,  3.90625000e-02, -2.28515625e-01,  1.81640625e-01,
        -2.44140625e-01, -2.32421875e-01,  1.00585938e-01,  5.54199219e-02,
        -2.73437500e-01, -1.73828125e-01, -1.05957031e-01, -4.39453125e-02,
         5.31005859e-03, -3.41796875e-02,  1.93359375e-01, -2.19726562e-02,
         2.25585938e-01, -4.37011719e-02,  5.54199219e-02, -1.15234375e-01,
         2.02148438e-01, -1.88476562e-01, -1.97265625e-01, -1.89453125e-01,
        -1.13769531e-01, -2.99453735e-04, -1.66992188e-01,  7.17773438e-02,
         6.25000000e-02, -2.03857422e-02,  4.12597656e-02,  6.73828125e-02,
         1.48315430e-02, -3.71093750e-02, -4.80957031e-02,  1.68945312e-01,
         1.67968750e-01,  2.00195312e-01,  6.03027344e-02,  4.05273438e-02,
         2.23632812e-01, -4.93164062e-02,  7.17773438e-02, -1.07421875e-01,
         1.05468750e-01, -7.01904297e-03,  6.03027344e-02,  8.05664062e-03,
         1.13281250e-01,  1.69921875e-01, -5.39550781e-02, -1.28906250e-01,
         7.81250000e-02,  2.12890625e-01,  1.17187500e-01, -1.03515625e-01,
         1.60156250e-01,  8.69140625e-02,  2.69531250e-01,  1.40625000e-01,
         7.27539062e-02, -4.51660156e-02,  2.15148926e-03, -1.91406250e-01,
        -2.38037109e-02, -6.34765625e-02,  1.45263672e-02, -4.39453125e-02,
```

```
         1.39648438e-01,  1.19628906e-01,  5.55419922e-03,  1.20605469e-01,
         1.44653320e-02, -3.46679688e-02, -1.72119141e-02,  1.54296875e-01,
         4.61425781e-02,  8.34960938e-02,  6.44531250e-02,  5.24902344e-02,
        -3.32031250e-02,  1.63085938e-01, -2.13867188e-01, -1.47705078e-02,
        -1.30859375e-01, -3.22265625e-02, -5.32226562e-02, -7.32421875e-02,
        -1.53808594e-02,  5.17578125e-02, -4.53948975e-04,  6.83593750e-02,
        -1.64062500e-01, -1.41601562e-01,  1.44531250e-01,  4.49218750e-02,
         1.55273438e-01, -9.27734375e-02,  1.52343750e-01, -1.06933594e-01,
         2.25830078e-02, -3.28125000e-01,  6.34765625e-02,  4.49218750e-02,
        -1.45507812e-01, -6.88476562e-02,  1.74804688e-01,  1.62109375e-01,
         5.37109375e-02,  1.55273438e-01,  8.17871094e-03, -6.03027344e-02,
        -1.14746094e-01, -4.63867188e-02,  4.19921875e-02,  1.53320312e-01,
         3.95507812e-02, -3.61328125e-02, -1.55273438e-01,  9.19342041e-04,
         5.00488281e-02, -6.25000000e-02,  2.19726562e-02, -2.69531250e-0
1],
       dtype=float32),
 'assignment': array([-4.68750000e-02,  9.32617188e-02,  8.00781250e-02,
2.42187500e-01,
         1.10839844e-01, -7.61718750e-02, -7.61718750e-02, -3.28125000e-01,
        -4.17480469e-02,  6.25000000e-02,  4.76562500e-01, -2.69531250e-01,
         1.23535156e-01, -3.45703125e-01, -1.75781250e-01,  4.05883789e-03,
        -8.30078125e-02, -1.53320312e-01,  8.15429688e-02, -1.47460938e-01,
        -8.44726562e-02,  2.05078125e-01,  1.48437500e-01,  3.36914062e-02,
         1.69921875e-01, -1.93359375e-01,  5.93261719e-02, -2.11914062e-01,
        -4.17480469e-02,  2.61718750e-01,  1.55273438e-01, -4.76837158e-04,
         1.45507812e-01,  3.20312500e-01, -2.96630859e-02,  2.81250000e-01,
         2.02148438e-01,  1.83593750e-01,  2.89062500e-01, -9.27734375e-02,
        -4.68750000e-02, -8.25195312e-02,  1.83593750e-01,  5.41992188e-02,
        -2.09960938e-01,  1.53320312e-01,  1.35742188e-01,  7.61718750e-02,
        -1.62109375e-01,  1.67968750e-01, -1.09375000e-01, -7.81250000e-02,
         2.29492188e-02,  4.15039062e-02, -5.49316406e-02, -5.49316406e-02,
         2.28515625e-01,  1.50146484e-02, -1.13769531e-01, -1.89453125e-01,
         7.76367188e-02,  4.27246094e-02, -7.95898438e-02, -5.66406250e-02,
        -1.97753906e-02,  2.05078125e-01, -1.07910156e-01, -1.86523438e-01,
         8.39843750e-02, -6.29882812e-02,  1.84570312e-01, -3.11279297e-02,
         5.39550781e-02, -2.10937500e-01, -8.59375000e-02, -3.66210938e-02,
         1.55273438e-01,  7.81250000e-02, -1.03027344e-01,  7.95898438e-02,
         1.25976562e-01,  7.17773438e-02,  2.36816406e-02,  1.79687500e-01,
         2.15820312e-01, -1.21582031e-01,  9.61914062e-02, -1.10351562e-01,
         3.94531250e-01, -1.47460938e-01,  7.27539062e-02, -3.35937500e-01,
         2.22167969e-02, -1.69677734e-02,  1.85546875e-01,  7.81250000e-02,
         5.66406250e-02,  1.66015625e-01,  8.20312500e-02, -2.06054688e-01,
         2.36328125e-01,  7.71484375e-02, -6.29882812e-02,  1.02050781e-01,
         6.68945312e-02, -2.05078125e-01, -1.71875000e-01, -1.81640625e-01,
         3.22265625e-02,  1.02539062e-01,  1.86523438e-01, -1.91406250e-01,
         1.57470703e-02, -3.49609375e-01,  2.57812500e-01,  2.17773438e-01,
         1.78710938e-01,  2.79296875e-01,  4.53125000e-01, -5.24902344e-02,
        -3.30078125e-01, -1.24511719e-01,  3.80859375e-02,  2.02148438e-01,
        -5.68847656e-02,  2.16796875e-01,  5.73730469e-02,  5.51757812e-02,
         2.18750000e-01, -1.85546875e-01,  3.09753418e-03, -1.10839844e-01,
        -3.65234375e-01, -5.29785156e-02, -9.52148438e-02, -1.76757812e-01,
        -2.33398438e-01,  1.39648438e-01, -1.65039062e-01,  2.78320312e-02,
         6.54296875e-02,  1.00097656e-01, -1.11328125e-01, -1.71875000e-01,
        -5.66406250e-02,  3.80859375e-02, -1.37695312e-01, -3.00292969e-02,
        -8.49609375e-02,  2.38037109e-02,  3.00781250e-01,  2.64892578e-02,
         1.86523438e-01,  1.07421875e-02,  9.81445312e-02, -6.34765625e-02,
        -2.09960938e-01, -9.66796875e-02, -1.14257812e-01,  3.56445312e-02,
         1.47460938e-01,  2.29492188e-01,  1.02050781e-01,  1.57226562e-01,
        -2.75390625e-01,  1.05468750e-01,  2.75390625e-01, -2.00195312e-01,
         2.73437500e-02,  9.08203125e-02,  3.33984375e-01,  6.34765625e-02,
        -1.42578125e-01, -1.97265625e-01, -9.37500000e-02,  3.39843750e-01,
         6.74438477e-03, -2.29492188e-01, -4.85839844e-02, -1.64062500e-01,
        -2.77343750e-01, -2.22656250e-01,  4.24804688e-02, -4.29687500e-02,
         1.46484375e-01,  3.29589844e-02,  8.34960938e-02, -2.41699219e-02,
```

```
         2.50000000e-01,  1.21582031e-01, -1.74804688e-01, -1.53320312e-01,
         2.96875000e-01,  6.25000000e-02, -3.08593750e-01,  1.79687500e-01,
         3.55468750e-01,  4.63867188e-02,  3.75976562e-02, -5.85937500e-02,
         1.14746094e-01,  1.22070312e-01, -8.74023438e-02,  3.17382812e-02,
        -1.59179688e-01,  1.16210938e-01, -2.47070312e-01, -1.02539062e-02,
         2.65625000e-01, -9.17968750e-02,  1.06811523e-02,  1.08032227e-02,
        -3.51562500e-01, -3.35937500e-01, -7.91015625e-02,  1.81640625e-01,
         1.22558594e-01,  1.40991211e-02, -6.83593750e-02, -4.02343750e-01,
         1.31835938e-01,  1.09375000e-01, -1.04003906e-01,  5.10253906e-02,
         8.30078125e-02,  2.25585938e-01, -1.94335938e-01,  1.43554688e-01,
         2.36328125e-01, -5.98144531e-02,  1.66992188e-01, -1.17187500e-01,
        -5.83496094e-02, -2.19726562e-01,  2.55859375e-01,  2.57873535e-03,
        -9.17968750e-02, -2.04101562e-01, -1.80664062e-01,  1.04492188e-01,
        -1.17187500e-01,  9.94873047e-03, -9.82666016e-03, -2.41210938e-01,
        -1.78710938e-01, -2.58789062e-02, -2.21679688e-01, -1.07421875e-02,
        -1.95312500e-02, -2.95410156e-02, -2.99072266e-02, -8.25195312e-02,
        -2.16796875e-01, -4.73632812e-02, -1.01074219e-01,  1.01074219e-01,
         4.56542969e-02,  1.66015625e-01,  3.72314453e-03,  1.53320312e-01,
         6.98242188e-02,  1.02539062e-01, -1.74804688e-01,  1.41601562e-01,
         8.78906250e-02,  1.50390625e-01,  1.85546875e-01,  1.73339844e-02,
        -4.92187500e-01, -4.00390625e-02,  3.58886719e-02, -1.43554688e-01,
        -1.14135742e-02,  1.38671875e-01,  1.31835938e-01,  6.12792969e-02,
        -2.95410156e-02, -6.83593750e-02, -1.77734375e-01,  1.04492188e-01,
         1.36718750e-01, -3.02734375e-01, -6.00585938e-02,  6.05468750e-02,
         1.29882812e-01,  4.02343750e-01, -5.09643555e-03, -2.08740234e-02,
        -9.42382812e-02,  8.30078125e-02, -1.09375000e-01, -6.78710938e-02,
        -1.66992188e-01, -1.90429688e-01, -1.31835938e-01,  1.32812500e-01,
        -2.66113281e-02, -9.09423828e-03, -2.79541016e-02,  1.06445312e-0
1],
       dtype=float32),
 'responsibility': array([ 0.05615234, -0.14355469,  0.15332031, -0.0262451
2, -0.0456543 ,
        -0.11669922,  0.19335938,  0.01531982,  0.27148438,  0.11523438,
        -0.12304688, -0.0279541 ,  0.46289062,  0.12011719, -0.32617188,
        -0.04882812, -0.21484375, -0.11181641, -0.04833984, -0.24511719,
         0.05126953, -0.10253906,  0.26757812,  0.5390625 ,  0.23535156,
         0.12695312, -0.15722656,  0.03173828,  0.06835938,  0.12988281,
         0.05493164, -0.19238281,  0.07861328,  0.15332031, -0.06347656,
         0.22949219,  0.21386719,  0.09619141,  0.109375  ,  0.11181641,
        -0.11816406,  0.04199219, -0.06298828, -0.38671875,  0.03930664,
        -0.22949219,  0.04296875,  0.20117188, -0.19921875, -0.39453125,
        -0.00145721,  0.07080078,  0.23339844, -0.08496094,  0.18945312,
         0.20214844,  0.03027344, -0.07617188, -0.25585938, -0.15722656,
        -0.24316406,  0.24316406, -0.27539062,  0.12695312,  0.07617188,
         0.00527954,  0.17285156,  0.30273438, -0.19628906,  0.01794434,
         0.2734375 ,  0.07421875,  0.18652344, -0.13183594,  0.04345703,
        -0.2421875 ,  0.05517578,  0.07470703, -0.01074219, -0.09472656,
         0.13476562,  0.17480469, -0.03295898, -0.07324219,  0.02661133,
        -0.3203125 ,  0.16503906, -0.23925781,  0.0612793 , -0.08886719,
         0.41796875, -0.07617188,  0.0144043 , -0.30664062, -0.11865234,
        -0.13476562, -0.24804688, -0.05078125,  0.28125   ,  0.14550781,
        -0.16699219, -0.1484375 , -0.02087402,  0.30273438,  0.15234375,
        -0.359375  , -0.11523438, -0.12792969,  0.15527344, -0.07080078,
        -0.14257812, -0.20117188,  0.00491333,  0.32226562, -0.04370117,
        -0.07958984, -0.15234375,  0.17285156, -0.01287842,  0.16601562,
        -0.49609375, -0.11132812, -0.05322266,  0.33398438, -0.21582031,
        -0.02197266,  0.03735352,  0.11181641,  0.33007812,  0.03173828,
        -0.14453125,  0.03564453, -0.36328125, -0.01361084,  0.08056641,
        -0.10644531, -0.23535156,  0.11279297,  0.16699219, -0.08447266,
        -0.21679688,  0.16210938,  0.3046875 , -0.29882812, -0.37304688,
        -0.07519531, -0.08300781,  0.21191406,  0.04760742, -0.16894531,
         0.12890625,  0.20214844, -0.05493164,  0.01501465, -0.17871094,
         0.05273438, -0.10449219, -0.14355469, -0.05639648, -0.17773438,
         0.33007812,  0.14550781,  0.12792969,  0.28320312,  0.08984375,
```

```
         0.02526855, -0.14160156,  0.02868652,  0.18847656,  0.19628906,
         0.22949219,  0.03198242, -0.05053711, -0.01831055,  0.07373047,
        -0.00173187,  0.15917969, -0.28710938, -0.18945312,  0.0378418 ,
        -0.39453125, -0.1328125 , -0.07763672, -0.25976562, -0.04101562,
         0.05566406, -0.10058594, -0.14453125,  0.07861328,  0.23144531,
        -0.06982422,  0.16113281, -0.13964844,  0.19628906, -0.41796875,
         0.0246582 ,  0.33398438,  0.08642578,  0.29101562, -0.29882812,
        -0.07226562,  0.39453125,  0.03344727, -0.21972656, -0.27734375,
        -0.125     , -0.05004883, -0.29101562,  0.06298828, -0.12890625,
         0.16503906, -0.04077148, -0.17285156,  0.02453613, -0.23828125,
        -0.15429688, -0.05322266,  0.03491211, -0.15136719, -0.24804688,
        -0.08007812,  0.15039062, -0.02001953,  0.02832031,  0.02600098,
        -0.32226562,  0.125     , -0.17773438,  0.0534668 ,  0.08642578,
        -0.0246582 , -0.07128906, -0.22070312,  0.19726562,  0.29492188,
        -0.0189209 ,  0.08056641,  0.00854492,  0.01623535,  0.01391602,
        -0.17578125, -0.25585938,  0.03015137,  0.00224304,  0.0234375 ,
        -0.11572266,  0.28515625, -0.00994873, -0.00674438, -0.16015625,
        -0.03173828,  0.24121094, -0.11669922, -0.01965332,  0.03198242,
        -0.00982666,  0.14941406,  0.09472656, -0.04882812, -0.16601562,
        -0.32226562,  0.07666016, -0.03759766,  0.17773438,  0.18261719,
         0.22558594, -0.06640625,  0.11962891, -0.61328125, -0.15039062,
        -0.07519531, -0.12792969,  0.38085938,  0.13867188,  0.05834961,
        -0.1015625 , -0.12890625,  0.11279297, -0.03637695,  0.03173828,
        -0.03735352, -0.15722656, -0.00127411,  0.0546875 , -0.00296021,
         0.0534668 , -0.00668335,  0.36328125,  0.16015625, -0.11279297,
        -0.14160156,  0.10351562,  0.04956055, -0.24023438, -0.5234375 ,
         0.12890625,  0.04125977, -0.01184082, -0.12695312,  0.02038574],
       dtype=float32),
 'requirement': array([-1.74804688e-01, -1.52343750e-01,  8.44726562e-02,
1.12792969e-01,
        -2.44140625e-01, -1.65039062e-01,  2.10937500e-01,  1.66992188e-01,
        -8.25195312e-02, -6.12792969e-02, -4.22363281e-02, -3.32031250e-01,
        -1.21459961e-02, -1.84570312e-01, -2.42187500e-01,  4.41406250e-01,
         1.83593750e-01, -1.86523438e-01, -3.35937500e-01, -1.93359375e-01,
        -6.88476562e-02, -1.71875000e-01, -1.44531250e-01,  1.08886719e-01,
        -1.27929688e-01,  6.68945312e-02, -5.49316406e-02,  6.93359375e-02,
         4.61425781e-02,  2.08984375e-01,  1.87500000e-01, -2.34375000e-01,
         2.79296875e-01, -1.87500000e-01, -4.73632812e-02, -3.27148438e-02,
         4.46777344e-02,  1.01562500e-01,  3.39355469e-02,  4.49218750e-02,
        -5.24902344e-02,  2.29492188e-02, -2.88085938e-02,  4.17480469e-02,
        -1.39648438e-01, -2.45117188e-01,  5.73730469e-03,  4.95605469e-02,
        -2.50000000e-01, -1.60156250e-01, -7.81250000e-02, -3.04687500e-01,
        -2.02148438e-01, -1.94091797e-02,  7.86132812e-02,  1.98242188e-01,
        -7.95898438e-02, -1.25976562e-01,  1.51367188e-01, -1.93359375e-01,
         1.19140625e-01, -1.68945312e-01, -1.38671875e-01, -1.30859375e-01,
         1.76757812e-01,  9.42382812e-02, -1.14257812e-01,  5.41992188e-02,
        -2.12890625e-01, -7.03125000e-02, -1.10351562e-01, -1.25976562e-01,
        -1.62109375e-01,  1.62109375e-01, -1.78222656e-02,  3.70788574e-03,
         1.54296875e-01, -2.80761719e-02,  9.76562500e-02,  1.75781250e-01,
         1.65039062e-01, -5.88378906e-02, -2.77343750e-01,  1.48437500e-01,
        -1.65039062e-01,  1.81640625e-01, -1.18164062e-01,  9.37500000e-02,
         3.00781250e-01,  1.45874023e-02,  4.51660156e-02, -1.09863281e-01,
         1.53320312e-01, -8.10546875e-02,  6.78710938e-02,  2.06298828e-02,
         1.30004883e-02, -4.27246094e-02, -1.19628906e-01,  1.39648438e-01,
        -1.66992188e-01, -1.36718750e-02, -2.79296875e-01,  3.95507812e-02,
         8.85009766e-03, -6.78710938e-02,  7.66601562e-02, -1.44531250e-01,
         8.74023438e-02, -2.01171875e-01,  4.32128906e-02, -2.61718750e-01,
        -2.46093750e-01,  2.36328125e-01,  1.83593750e-01,  1.71875000e-01,
         5.46875000e-02,  3.47656250e-01,  1.63085938e-01,  3.22265625e-02,
         1.25000000e-01,  4.51660156e-02, -2.05078125e-02,  2.28515625e-01,
         1.21093750e-01,  1.08886719e-01,  1.88476562e-01, -5.29785156e-02,
         2.08007812e-01,  2.49023438e-01,  3.02734375e-02,  7.22656250e-02,
         1.40991211e-02, -3.32031250e-01, -1.21582031e-01,  1.95312500e-01,
        -9.71679688e-02,  6.68945312e-02, -1.50390625e-01,  1.04980469e-02,
```

```
         4.02832031e-02, -1.17675781e-01,  1.64062500e-01, -7.81250000e-02,
         1.42578125e-01, -1.71875000e-01, -1.21093750e-01,  7.86132812e-02,
        -4.44335938e-02, -1.53320312e-01,  3.51562500e-02,  1.49414062e-01,
         1.51977539e-02, -1.03027344e-01, -8.25195312e-02,  8.59375000e-02,
        -1.66992188e-01,  1.22558594e-01, -2.39257812e-01, -1.40625000e-01,
        -3.03955078e-02, -2.17773438e-01,  1.86523438e-01,  2.22167969e-02,
        -1.77734375e-01, -6.93359375e-02,  2.90527344e-02,  1.89208984e-02,
         9.66796875e-02, -8.25195312e-02, -9.03320312e-02, -6.10351562e-02,
        -2.63671875e-01,  1.58691406e-02,  1.07421875e-01, -2.08007812e-01,
         1.24023438e-01, -4.08203125e-01, -2.89062500e-01,  2.24609375e-01,
        -3.12500000e-01, -9.17968750e-02, -9.57031250e-02, -2.41699219e-02,
         1.56250000e-01, -2.30712891e-02,  6.59179688e-02, -1.34765625e-01,
         2.05078125e-01,  5.98144531e-02, -4.02343750e-01, -1.05957031e-01,
        -1.49414062e-01,  3.56445312e-02, -1.01562500e-01, -7.61718750e-02,
        -2.51464844e-02,  8.15429688e-02, -5.49316406e-02, -3.04687500e-01,
         1.60156250e-01,  2.69531250e-01, -8.05664062e-02, -1.07910156e-01,
        -8.78906250e-02,  1.61132812e-01,  5.51757812e-02,  1.48437500e-01,
         1.55273438e-01, -6.83593750e-02, -1.27929688e-01,  6.25000000e-02,
         7.91015625e-02, -1.80664062e-01, -3.57421875e-01,  1.44531250e-01,
         2.45361328e-02,  4.14062500e-01, -5.63964844e-02, -8.20312500e-02,
        -2.43164062e-01,  3.22265625e-02,  1.72851562e-01, -5.90820312e-02,
        -7.42187500e-02, -8.44726562e-02,  1.57226562e-01,  1.07910156e-01,
         3.06640625e-01, -5.27343750e-02, -1.42578125e-01, -1.42578125e-01,
         9.17968750e-02,  1.65039062e-01,  9.32617188e-02,  1.45507812e-01,
         9.21630859e-03, -1.49536133e-02, -1.64062500e-01,  7.17773438e-02,
        -1.38671875e-01,  1.83105469e-02,  1.86523438e-01, -1.77734375e-01,
         1.50390625e-01, -1.06811523e-03, -1.15722656e-01,  3.63281250e-01,
        -5.32226562e-02, -1.42578125e-01, -6.44531250e-02, -4.54101562e-02,
        -1.95312500e-01, -2.66113281e-02, -1.20605469e-01, -4.56542969e-02,
         1.28906250e-01, -5.20019531e-02, -1.68945312e-01,  2.53906250e-01,
         1.24023438e-01, -1.61132812e-01, -1.98974609e-02, -4.39453125e-02,
         2.72216797e-02,  1.46484375e-01,  1.39648438e-01, -1.60156250e-01,
        -1.30859375e-01, -2.27539062e-01,  1.60156250e-01,  1.79443359e-02,
         2.53906250e-02,  2.75390625e-01, -2.49023438e-01, -2.50000000e-01,
        -3.34472656e-02, -1.90429688e-01, -1.14746094e-01,  8.10546875e-02,
        -2.15820312e-01,  3.17382812e-02,  1.60156250e-01,  1.66015625e-01,
        -1.32812500e-01, -7.76367188e-02, -1.17797852e-02, -9.37500000e-02,
         3.61328125e-02,  9.27734375e-02, -1.07910156e-01, -8.20312500e-02,
         1.56402588e-04, -9.96093750e-02,  9.57031250e-02,  2.34375000e-01,
        -1.05468750e-01, -1.43554688e-01,  3.63769531e-02, -9.37500000e-0
2],
       dtype=float32),
 'subject': array([ 6.64062500e-02,  2.35595703e-02,  1.64062500e-01,  1.04
492188e-01,
        -1.81640625e-01,  3.24707031e-02,  3.33984375e-01,  1.57226562e-01,
         4.25781250e-01,  1.61132812e-01, -7.17773438e-02, -7.37304688e-02,
        -2.47070312e-01, -1.04492188e-01, -1.39770508e-02,  1.20605469e-01,
         4.90722656e-02, -2.88085938e-02,  1.10839844e-01, -6.07910156e-02,
        -2.67333984e-02, -1.03027344e-01,  4.39453125e-03,  1.61132812e-01,
        -9.52148438e-03, -8.64257812e-02,  1.90429688e-02, -6.39648438e-02,
         3.73535156e-02,  8.05664062e-02,  1.50390625e-01, -1.66992188e-01,
         1.21459961e-02,  7.81250000e-02, -3.14453125e-01, -5.24902344e-02,
         6.05468750e-02, -1.35742188e-01,  4.44335938e-02, -4.44335938e-02,
        -4.49218750e-02,  1.24511719e-01, -9.81445312e-02,  1.43554688e-01,
        -1.50390625e-01, -5.95703125e-02,  2.04101562e-01, -7.51953125e-02,
        -3.78417969e-02, -9.52148438e-02, -1.60156250e-01, -9.86328125e-02,
        -1.38671875e-01, -2.62451172e-02,  5.34667969e-02,  3.14453125e-01,
         7.66601562e-02, -1.02539062e-02,  1.26953125e-01, -2.46093750e-01,
         6.29882812e-02, -1.68945312e-01, -5.29785156e-02, -1.65039062e-01,
        -8.98437500e-02,  6.68945312e-02, -1.57226562e-01,  2.05078125e-01,
        -2.04101562e-01, -3.00292969e-02, -5.93261719e-02, -2.59765625e-01,
         2.41699219e-02,  1.94335938e-01,  7.27539062e-02, -9.17968750e-02,
         2.00195312e-01,  7.91015625e-02, -1.15966797e-02,  2.05078125e-01,
         9.49859619e-04,  1.00097656e-02,  3.22265625e-01,  5.27343750e-02,
```

```
         3.27148438e-02, -1.08032227e-02, -7.42187500e-02,  1.04980469e-01,
         9.09423828e-03, -5.54199219e-02,  3.10546875e-01, -1.33666992e-02,
        -1.12304688e-02,  1.12792969e-01,  2.08984375e-01, -1.54296875e-01,
         4.15039062e-02, -5.24902344e-02,  1.89208984e-02, -8.15429688e-02,
        -2.60009766e-02, -7.47070312e-02, -1.92382812e-01, -1.91406250e-01,
        -1.42578125e-01, -2.27539062e-01, -2.50000000e-01, -1.12304688e-01,
         3.49121094e-02, -1.28906250e-01,  5.73730469e-02, -4.02832031e-02,
        -1.48925781e-02,  2.92968750e-02,  2.46093750e-01,  2.05078125e-01,
         7.91015625e-02,  1.26342773e-02,  2.09960938e-01,  7.03125000e-02,
        -4.05273438e-02, -6.64062500e-02, -9.57031250e-02,  1.19628906e-01,
        -3.41796875e-02,  1.42578125e-01, -2.53906250e-01, -1.20849609e-02,
        -8.64257812e-02,  9.96093750e-02,  2.18505859e-02, -3.02734375e-01,
        -2.98828125e-01, -3.05175781e-02, -1.64062500e-01, -7.17773438e-02,
         3.19824219e-02,  2.77709961e-03,  1.75781250e-01, -2.13867188e-01,
         2.43164062e-01,  4.27246094e-02, -6.64062500e-02,  1.63574219e-02,
         8.10546875e-02, -7.42187500e-02, -2.45361328e-02,  6.83593750e-02,
        -1.23535156e-01,  1.25000000e-01,  1.81640625e-01,  1.12792969e-01,
        -1.28784180e-02, -1.30859375e-01, -2.99453735e-04, -7.37304688e-02,
        -2.11914062e-01, -1.77734375e-01,  6.88476562e-02,  2.03125000e-01,
         1.92382812e-01,  2.83203125e-01,  1.77734375e-01,  1.35742188e-01,
        -3.24707031e-02, -4.17480469e-02, -1.83593750e-01, -7.47070312e-02,
        -9.47265625e-02, -1.66992188e-01, -4.36401367e-03, -1.46484375e-01,
        -9.27734375e-02, -2.00195312e-01, -8.64257812e-02, -1.21582031e-01,
        -1.62109375e-01, -7.91015625e-02, -2.21679688e-01, -1.84570312e-01,
         5.34667969e-02, -4.05273438e-02,  4.71191406e-02,  1.85546875e-01,
         1.72424316e-03, -9.46044922e-03,  1.06933594e-01,  6.68945312e-02,
         1.25976562e-01,  2.29492188e-01,  9.42382812e-02,  1.27929688e-01,
        -2.95410156e-02, -1.72851562e-01, -6.07910156e-02,  1.64062500e-01,
        -2.05078125e-01,  1.53320312e-01, -1.16210938e-01,  1.84570312e-01,
         2.79296875e-01,  2.22656250e-01, -6.22558594e-02,  1.30615234e-02,
        -9.42382812e-02,  1.84570312e-01,  1.01074219e-01,  3.28125000e-01,
        -4.39453125e-02,  6.77490234e-03,  3.44238281e-02,  2.47802734e-02,
         1.49414062e-01,  3.85742188e-02, -6.78710938e-02,  1.98974609e-02,
         8.74023438e-02,  2.71484375e-01,  7.66601562e-02,  1.25976562e-01,
         4.73022461e-03,  1.63085938e-01, -1.72851562e-01, -1.15722656e-01,
         3.47656250e-01,  1.09375000e-01,  2.35351562e-01, -1.30859375e-01,
         9.91210938e-02, -1.29882812e-01,  1.99218750e-01,  1.25976562e-01,
        -9.52148438e-02,  3.08593750e-01,  3.56445312e-02,  1.35498047e-02,
         2.81250000e-01, -1.23046875e-01,  1.74804688e-01,  7.81250000e-03,
         1.52343750e-01, -4.73632812e-02, -1.48437500e-01, -2.51464844e-02,
        -3.24707031e-02, -1.98974609e-02, -2.71484375e-01,  1.25976562e-01,
         7.66601562e-02, -4.57763672e-03, -5.85937500e-02,  1.93359375e-01,
         4.95605469e-02,  5.76171875e-02,  1.13769531e-01,  1.48437500e-01,
        -1.07421875e-02,  9.66796875e-02, -3.93066406e-02,  1.84570312e-01,
         1.14746094e-01,  5.22460938e-02, -3.10058594e-02, -1.79687500e-01,
        -2.18505859e-02, -3.22265625e-02, -2.70996094e-02, -6.17675781e-02,
        -3.68652344e-02, -3.78906250e-01, -4.85839844e-02,  1.09375000e-01,
        -2.52685547e-02,  1.04003906e-01,  1.55273438e-01,  4.22363281e-02,
        -1.43554688e-01, -1.87500000e-01, -6.78710938e-02, -1.31988525e-03,
         1.44531250e-01, -3.47137451e-04,  1.83105469e-02,  2.27539062e-01,
         1.94335938e-01,  3.41796875e-02, -8.88671875e-02,  1.36718750e-01,
        -1.01562500e-01,  8.54492188e-02, -1.66015625e-01,  6.15234375e-02,
        -2.16674805e-03,  1.48437500e-01,  9.52148438e-02, -9.81445312e-02,
        -5.34667969e-02,  1.44531250e-01, -1.90429688e-02, -1.99218750e-0
1],
       dtype=float32),
 'possible': array([-0.07714844,  0.10644531,  0.04223633, -0.00567627, -0.
25585938,
        -0.00448608,  0.18164062,  0.23046875,  0.24902344, -0.06884766,
        -0.06054688, -0.09814453,  0.06347656,  0.08056641, -0.0625    ,
         0.11669922,  0.04589844, -0.01031494,  0.23046875,  0.00233459,
        -0.0177002 ,  0.02331543, -0.15429688, -0.13476562, -0.12158203,
        -0.10302734, -0.13867188, -0.02709961,  0.01953125,  0.03088379,
         0.05883789,  0.10009766, -0.09570312, -0.265625  , -0.23925781,
```

```
        -0.0390625 ,  0.09814453, -0.08007812,  0.21972656, -0.10791016,
         0.25195312,  0.00701904,  0.01043701, -0.0390625 , -0.16113281,
         0.04125977, -0.02734375,  0.06079102,  0.03198242,  0.01757812,
         0.20410156, -0.02941895, -0.09082031,  0.12988281, -0.12597656,
        -0.06689453, -0.03613281, -0.13964844,  0.11181641,  0.18261719,
        -0.13378906,  0.04174805, -0.13867188,  0.07861328,  0.09863281,
         0.06079102, -0.06591797,  0.08935547, -0.33398438,  0.18554688,
         0.01940918,  0.07763672,  0.13671875,  0.07714844, -0.15136719,
        -0.13574219,  0.03540039,  0.13867188,  0.03417969,  0.17675781,
         0.02502441, -0.03808594,  0.09472656, -0.05834961,  0.13085938,
        -0.14941406, -0.09814453,  0.11523438, -0.19433594,  0.24511719,
         0.12988281, -0.05029297, -0.01135254,  0.01672363,  0.0213623 ,
        -0.08642578, -0.05395508,  0.11816406,  0.02685547,  0.14355469,
        -0.17871094,  0.14941406, -0.07910156, -0.0703125 , -0.16210938,
         0.16015625, -0.03198242, -0.16992188,  0.13183594,  0.01977539,
        -0.06494141, -0.05004883, -0.09667969, -0.15234375,  0.00735474,
         0.02783203,  0.07861328,  0.05957031,  0.13671875,  0.08056641,
        -0.06591797,  0.12451172, -0.02502441,  0.04174805, -0.02429199,
         0.13671875, -0.04248047, -0.16894531, -0.10351562,  0.17480469,
        -0.1015625 , -0.13964844, -0.07128906, -0.04858398, -0.02880859,
        -0.24316406,  0.01080322,  0.10058594,  0.10351562,  0.18847656,
         0.203125  ,  0.03100586, -0.11035156,  0.17089844,  0.12988281,
         0.08007812, -0.09716797, -0.0088501 , -0.03491211, -0.09667969,
        -0.12255859,  0.15820312, -0.04785156, -0.06542969,  0.00915527,
         0.06347656,  0.10693359, -0.06787109, -0.10107422,  0.18945312,
         0.05615234,  0.11523438,  0.18261719, -0.01306152,  0.05688477,
         0.07666016, -0.23632812,  0.03979492,  0.04833984,  0.09765625,
         0.04321289, -0.05737305, -0.14941406, -0.02185059,  0.23535156,
        -0.0402832 ,  0.12158203, -0.09082031,  0.03759766,  0.19726562,
        -0.0703125 ,  0.01080322, -0.06298828, -0.19726562, -0.00179291,
        -0.00286865, -0.10839844,  0.0390625 ,  0.3125    ,  0.08007812,
        -0.09667969,  0.14453125,  0.11962891, -0.01062012,  0.00759888,
        -0.05419922, -0.16992188, -0.11914062, -0.01489258, -0.41210938,
         0.18554688,  0.09130859, -0.06298828, -0.00045967,  0.01599121,
         0.04418945, -0.10595703, -0.0246582 ,  0.04907227, -0.06396484,
        -0.05444336,  0.04394531,  0.0098877 ,  0.22460938, -0.10693359,
         0.02636719, -0.109375  , -0.04101562, -0.07324219,  0.22558594,
         0.203125  , -0.22753906,  0.00482178,  0.05419922, -0.01599121,
         0.03027344,  0.04101562,  0.09960938,  0.00053024, -0.01843262,
         0.07519531,  0.12792969,  0.140625  ,  0.13769531,  0.15527344,
        -0.14746094, -0.12597656, -0.03149414,  0.09521484, -0.07617188,
         0.06835938,  0.1640625 , -0.03808594, -0.06005859, -0.20117188,
         0.11962891, -0.01531982,  0.17871094,  0.17285156,  0.05908203,
        -0.03515625,  0.05810547,  0.09716797,  0.03735352, -0.05224609,
        -0.03369141, -0.10253906, -0.02380371, -0.0625    , -0.23828125,
         0.01055908,  0.05053711, -0.12353516,  0.01806641,  0.03662109,
         0.00640869, -0.07324219, -0.08105469, -0.19628906, -0.10644531,
         0.10107422,  0.04663086,  0.10253906,  0.13574219,  0.0144043 ,
        -0.09423828,  0.07861328, -0.23339844, -0.01818848,  0.11962891,
        -0.20703125,  0.15820312,  0.00279236,  0.0625    , -0.07666016,
         0.03417969,  0.01397705,  0.16894531,  0.02844238,  0.12890625,
        -0.27148438, -0.03442383, -0.27929688,  0.09912109,  0.05786133,
         0.1640625 , -0.14941406,  0.06640625,  0.01495361, -0.06225586],
       dtype=float32),
 'modification': array([-1.53320312e-01,  6.44531250e-02, -2.70843506e-04,
9.32617188e-02,
        -1.97265625e-01, -3.36914062e-02,  1.72851562e-01,  7.51953125e-02,
         1.22558594e-01,  5.81054688e-02, -2.36328125e-01, -2.11181641e-02,
        -1.55273438e-01,  1.17675781e-01, -2.48046875e-01,  2.01171875e-01,
         1.90429688e-01, -2.53906250e-01, -9.81445312e-02, -6.73828125e-02,
        -2.90527344e-02,  2.03125000e-01, -1.31835938e-01, -2.10937500e-01,
         1.06933594e-01, -8.15429688e-02, -2.41210938e-01,  1.62109375e-01,
        -5.02929688e-02, -8.15429688e-02, -1.01074219e-01, -2.05078125e-01,
         2.50000000e-01,  4.78515625e-02,  2.12890625e-01, -5.51757812e-02,
```

```
 8.39843750e-02, -1.75781250e-01,  8.10546875e-02, -3.63281250e-01,
-2.08984375e-01,  1.62109375e-01,  1.32812500e-01,  1.69921875e-01,
-1.01562500e-01, -1.79687500e-01,  5.85937500e-02, -2.25830078e-02,
-8.20312500e-02, -4.24804688e-02, -4.27246094e-02, -9.17968750e-02,
 6.22558594e-02, -2.59765625e-01,  6.78710938e-02,  4.56542969e-02,
-1.69921875e-01, -2.92968750e-01,  7.42187500e-02, -2.17773438e-01,
-2.83203125e-02, -4.63867188e-02, -1.41601562e-01, -2.27539062e-01,
-4.90722656e-02,  6.17675781e-02, -1.12915039e-02,  2.18750000e-01,
-4.37500000e-01,  8.00781250e-02,  9.91210938e-02, -7.76367188e-02,
-1.15234375e-01,  1.23535156e-01,  3.78417969e-02, -1.54296875e-01,
 4.41406250e-01, -1.02050781e-01, -2.34375000e-01,  7.61718750e-02,
-1.17187500e-02, -1.72119141e-02,  3.83300781e-02,  2.47070312e-01,
 3.43750000e-01, -2.85644531e-02,  1.44042969e-02,  4.86328125e-01,
 5.66406250e-02,  1.77001953e-02,  1.68457031e-02, -5.39550781e-02,
 1.63085938e-01, -7.95898438e-02,  2.09960938e-01, -2.67578125e-01,
 5.17578125e-02, -2.75390625e-01,  4.05273438e-02, -1.06933594e-01,
 3.55468750e-01, -1.79687500e-01, -1.26953125e-01,  4.76074219e-02,
 1.88476562e-01,  8.48388672e-03,  1.02539062e-01, -6.59179688e-02,
 5.22460938e-02, -2.37304688e-01, -1.37695312e-01, -4.51660156e-03,
-2.59765625e-01,  1.06933594e-01,  2.09960938e-01,  8.20312500e-02,
-7.37304688e-02,  2.35351562e-01,  2.59765625e-01, -2.90527344e-02,
 5.93261719e-02,  9.17968750e-02, -9.27734375e-02, -2.55126953e-02,
 2.57568359e-02,  1.22070312e-01,  6.65283203e-03,  1.87500000e-01,
 1.11328125e-01,  1.52343750e-01,  7.42187500e-02, -2.24609375e-02,
-1.68945312e-01,  1.59912109e-02, -4.27246094e-02, -1.96533203e-02,
-3.61328125e-02, -7.56835938e-02,  8.25195312e-02,  1.76757812e-01,
 1.71875000e-01, -7.61718750e-02, -3.39843750e-01, -1.61132812e-02,
 2.48046875e-01,  1.90429688e-02, -3.18359375e-01,  1.83593750e-01,
-1.98242188e-01, -2.13867188e-01,  5.39550781e-02, -2.94921875e-01,
 5.56640625e-02, -9.91821289e-04, -1.36718750e-01, -2.91015625e-01,
 7.51953125e-02,  9.71679688e-02,  1.77734375e-01, -4.56542969e-02,
 1.52343750e-01,  2.39257812e-01, -4.04296875e-01,  1.85546875e-01,
-2.57812500e-01, -2.51953125e-01,  5.51757812e-02,  1.17187500e-01,
-1.03515625e-01,  1.20605469e-01,  4.83398438e-02,  8.74023438e-02,
-8.10546875e-02,  3.46679688e-02,  2.08984375e-01, -6.29425049e-04,
 8.30078125e-02, -2.28515625e-01, -1.23535156e-01,  1.66015625e-02,
-2.48046875e-01, -7.61718750e-02,  3.80859375e-02, -6.93359375e-02,
 1.59179688e-01,  6.22558594e-03,  1.76757812e-01, -5.54199219e-02,
-9.22851562e-02, -1.07910156e-01, -1.47460938e-01,  3.06701660e-03,
 1.59179688e-01, -1.40625000e-01, -1.05957031e-01, -3.00292969e-02,
-6.68945312e-02, -3.22265625e-02, -7.17773438e-02, -2.94921875e-01,
-1.66015625e-02, -3.05175781e-02, -3.61328125e-01,  6.73828125e-02,
 1.11816406e-01,  1.84570312e-01, -3.49609375e-01, -2.95410156e-02,
 1.70898438e-01,  6.49414062e-02, -5.44433594e-02, -9.33837891e-03,
-4.48608398e-03, -1.04980469e-01, -2.37304688e-01, -5.72204590e-04,
 2.00195312e-01, -3.00292969e-02, -8.83789062e-02,  3.51562500e-02,
-1.10839844e-01, -1.00097656e-01,  3.58886719e-02, -1.03027344e-01,
 9.34600830e-04, -2.65625000e-01,  4.44335938e-02,  4.12597656e-02,
-1.29882812e-01,  2.02148438e-01,  2.85156250e-01,  6.10351562e-02,
 3.61328125e-02, -1.50390625e-01, -2.81250000e-01, -5.44433594e-02,
 9.32617188e-02, -2.19726562e-01,  9.88769531e-03,  2.50000000e-01,
 1.31835938e-01, -1.20605469e-01, -1.78710938e-01, -1.00585938e-01,
 9.91210938e-02, -1.40625000e-01, -3.55468750e-01,  2.92968750e-01,
 3.73535156e-02, -4.90722656e-02,  1.59179688e-01, -2.73437500e-01,
-1.29882812e-01, -4.10156250e-01,  5.95092773e-03,  5.02929688e-02,
-1.33789062e-01, -1.45507812e-01,  1.48437500e-01,  4.34570312e-02,
 1.49414062e-01,  5.56640625e-02, -1.27929688e-01, -2.63671875e-01,
 2.09960938e-01, -5.61523438e-02,  6.07910156e-02, -7.69042969e-03,
-2.59765625e-01, -1.14746094e-01, -9.91210938e-02,  1.75781250e-01,
 4.61425781e-02, -3.00781250e-01, -2.13623047e-02, -1.04370117e-02,
-2.39257812e-01,  5.46875000e-02,  1.30859375e-01, -1.45507812e-01,
 1.50390625e-01,  1.74804688e-01,  1.03149414e-02,  1.51367188e-01,
-2.01171875e-01, -1.91406250e-01,  2.44140625e-01, -1.34765625e-01,
-8.93554688e-02, -1.89453125e-01, -2.73437500e-01,  2.17773438e-01,
```

```
         2.57812500e-01,  9.09423828e-03,  3.39843750e-01,  2.23632812e-01,
        -2.59765625e-01, -8.10546875e-02, -3.49121094e-02,  5.55419922e-0
3],
       dtype=float32),
 'reasonably': array([ 1.98974609e-02, -5.49316406e-02, -1.87500000e-01,
1.83593750e-01,
        -1.22070312e-01, -1.68609619e-03, -1.02050781e-01,  2.77343750e-01,
         3.37890625e-01, -1.50390625e-01,  1.32446289e-02, -1.03027344e-01,
        -8.00781250e-02,  1.28906250e-01, -1.62109375e-01,  1.24023438e-01,
         8.05664062e-03,  8.20312500e-02, -8.93554688e-02, -6.93359375e-02,
         4.24804688e-02, -4.51660156e-02,  2.55126953e-02, -2.42187500e-01,
         1.93359375e-01, -4.12597656e-02, -2.55859375e-01,  2.08984375e-01,
         4.54101562e-02,  1.71875000e-01, -8.44726562e-02, -5.27343750e-02,
        -5.59082031e-02,  6.78710938e-02,  2.85644531e-02,  2.29492188e-01,
         8.11767578e-03, -6.64062500e-02, -2.67333984e-02, -4.93164062e-02,
         1.39648438e-01,  2.53906250e-01,  1.97265625e-01,  6.15234375e-02,
        -1.46484375e-01,  1.12304688e-01,  1.71875000e-01,  3.11279297e-02,
        -3.17382812e-02, -5.51757812e-02,  2.85156250e-01, -7.08007812e-02,
        -8.88671875e-02, -3.83300781e-02, -3.05175781e-02,  4.58984375e-02,
        -6.44531250e-02, -1.82617188e-01,  7.61718750e-02, -1.87500000e-01,
        -2.22656250e-01,  1.69921875e-01, -4.23828125e-01, -1.35742188e-01,
        -1.68945312e-01,  2.09960938e-01, -1.45507812e-01,  2.39257812e-01,
        -2.08984375e-01,  1.96533203e-02,  1.12792969e-01, -4.29687500e-02,
         3.18359375e-01, -1.18652344e-01, -1.73828125e-01, -2.57568359e-02,
         5.95703125e-02, -1.84570312e-01, -1.67236328e-02, -2.12402344e-02,
         1.39648438e-01,  9.21630859e-03, -3.97949219e-02,  8.30078125e-02,
        -1.88476562e-01,  5.44433594e-02, -6.25000000e-02,  2.53906250e-01,
         4.88281250e-03, -5.37109375e-02,  7.17773438e-02, -3.54003906e-02,
        -1.86767578e-02,  6.12792969e-02,  2.14843750e-01, -1.78710938e-01,
         3.61633301e-03,  1.06933594e-01,  9.94873047e-03, -8.20312500e-02,
         3.58886719e-02, -7.76367188e-02,  1.64794922e-02,  1.75781250e-01,
        -8.74023438e-02, -8.34960938e-02, -9.08203125e-02, -3.05175781e-02,
        -7.27539062e-02,  1.03515625e-01,  1.22680664e-02, -1.09375000e-01,
        -1.20117188e-01, -2.68554688e-02,  1.34765625e-01,  6.34765625e-02,
        -5.12695312e-02, -2.72216797e-02,  8.34960938e-02,  1.60156250e-01,
        -1.20117188e-01,  1.69921875e-01,  1.78710938e-01, -8.69140625e-02,
        -1.20605469e-01,  1.94335938e-01, -8.25195312e-02, -3.08593750e-01,
        -1.64794922e-02, -5.82885742e-03, -4.02832031e-02, -1.42578125e-01,
        -1.33789062e-01, -3.11279297e-03, -4.21875000e-01, -1.08886719e-01,
         2.38281250e-01,  3.63769531e-02,  1.22070312e-01,  3.45703125e-01,
         5.71289062e-02,  2.26497650e-06,  9.57031250e-02,  8.78906250e-02,
         1.32812500e-01, -1.50390625e-01, -2.61718750e-01, -7.50732422e-03,
         2.05078125e-01,  1.43554688e-01, -7.47070312e-02, -9.76562500e-03,
        -1.23535156e-01,  1.03515625e-01,  6.17675781e-02,  1.16210938e-01,
        -1.62109375e-01, -4.88281250e-02, -1.19140625e-01,  2.75390625e-01,
        -3.73535156e-02,  9.91210938e-02,  2.21679688e-01,  7.17773438e-02,
         1.01074219e-01, -1.20239258e-02, -1.10351562e-01,  9.86328125e-02,
        -3.10546875e-01, -1.04003906e-01, -2.33398438e-01,  1.32446289e-02,
         9.47265625e-02, -1.09375000e-01, -8.17871094e-03, -1.30004883e-02,
         7.91015625e-02, -7.91015625e-02,  1.44042969e-02,  5.78613281e-02,
         5.31005859e-03, -1.27929688e-01,  5.02929688e-02, -1.34765625e-01,
        -1.05957031e-01, -1.50146484e-02, -1.25000000e-01, -7.32421875e-02,
        -2.86865234e-02,  2.95410156e-02, -2.00195312e-01,  1.46484375e-01,
        -1.15722656e-01, -1.25976562e-01,  7.22656250e-02, -1.36718750e-01,
        -1.48437500e-01, -1.55273438e-01, -1.09252930e-02, -1.77734375e-01,
         1.12792969e-01,  1.62109375e-01, -8.44726562e-02,  1.34765625e-01,
         1.96289062e-01, -2.13867188e-01, -2.35351562e-01, -1.17187500e-01,
        -3.32031250e-02,  1.26953125e-01,  2.47802734e-02, -6.83593750e-03,
         1.05468750e-01, -1.77001953e-02, -2.87109375e-01, -5.68847656e-02,
         1.18408203e-02,  1.61132812e-02, -1.52343750e-01, -2.60009766e-02,
        -3.78417969e-02,  3.32031250e-02, -2.46093750e-01, -1.11816406e-01,
         1.93359375e-01,  1.36718750e-01,  2.50000000e-01, -3.06640625e-01,
         1.83593750e-01,  3.39355469e-02,  5.83496094e-02, -1.93359375e-01,
         1.98242188e-01, -1.26953125e-01,  9.42382812e-02,  3.14941406e-02,
```

```
        -2.01171875e-01,  5.37109375e-02,  1.89453125e-01,  3.58886719e-02,
        -1.40625000e-01,  2.08984375e-01,  1.30859375e-01, -1.45507812e-01,
        -1.22070312e-01, -2.39257812e-02, -4.78515625e-02, -1.88476562e-01,
        -1.27929688e-01,  7.66601562e-02,  2.11181641e-02,  9.57031250e-02,
         7.71484375e-02,  2.60009766e-02,  2.47070312e-01,  3.49121094e-02,
        -2.55859375e-01,  1.49414062e-01, -6.34765625e-02, -4.46777344e-02,
         2.09960938e-01, -1.35742188e-01, -1.04003906e-01,  2.33398438e-01,
        -4.56542969e-02,  3.49609375e-01,  2.46582031e-02, -3.28125000e-01,
         2.94189453e-02, -1.16699219e-01,  5.98144531e-02,  1.01318359e-02,
         1.66992188e-01,  1.72851562e-01,  4.29687500e-02,  5.12695312e-02,
        -6.39648438e-02, -7.61718750e-02,  2.31933594e-02,  4.35546875e-01,
         2.05078125e-01,  9.17968750e-02,  7.37304688e-02,  1.50390625e-01,
         9.57031250e-02, -7.81250000e-02, -5.56640625e-02, -3.30078125e-01,
        -2.45361328e-02,  3.49609375e-01,  4.10156250e-02,  1.38671875e-01,
         1.10839844e-01,  1.71875000e-01,  5.63964844e-02,  1.40625000e-01,
         2.51464844e-02, -2.27539062e-01,  8.34960938e-02, -1.45507812e-0
1],
       dtype=float32),
 'accommodate': array([-0.2734375 ,  0.16894531,  0.16503906,  0.01745605,
-0.22363281,
        -0.31640625,  0.05078125,  0.34375   , -0.06347656, -0.07617188,
        -0.22558594,  0.14941406,  0.19433594,  0.07128906,  0.20898438,
        -0.00296021,  0.04077148,  0.08056641,  0.22070312,  0.00363159,
         0.15820312, -0.03149414,  0.15429688,  0.06298828, -0.0222168 ,
        -0.07080078, -0.21972656, -0.14257812,  0.05761719, -0.2578125 ,
         0.171875  ,  0.30078125, -0.13476562,  0.1015625 ,  0.20117188,
        -0.40625   ,  0.34765625,  0.07910156, -0.01025391, -0.06201172,
         0.13867188,  0.47265625, -0.07421875, -0.03295898, -0.02966309,
        -0.3359375 , -0.44726562,  0.17480469, -0.1484375 , -0.11181641,
        -0.08447266, -0.24804688, -0.18847656, -0.29492188, -0.24023438,
         0.11083984, -0.05419922,  0.08398438,  0.17773438, -0.28320312,
        -0.04736328, -0.18652344,  0.04736328, -0.296875  ,  0.35351562,
        -0.06347656, -0.08349609,  0.02966309, -0.12988281,  0.34375   ,
         0.26171875,  0.04858398,  0.296875  ,  0.203125  , -0.23046875,
        -0.00448608,  0.17285156, -0.10205078, -0.11816406,  0.09472656,
         0.11279297,  0.17773438, -0.13378906,  0.3046875 ,  0.078125  ,
        -0.0177002 , -0.15625   ,  0.08544922,  0.10253906,  0.13574219,
        -0.00939941, -0.01513672,  0.14550781, -0.16113281,  0.18554688,
        -0.10107422,  0.01159668, -0.17675781, -0.18164062, -0.29296875,
         0.09472656, -0.04199219,  0.14160156,  0.04077148,  0.01916504,
        -0.1875    ,  0.12304688, -0.16308594, -0.21875   ,  0.06030273,
         0.00622559, -0.34960938, -0.01086426, -0.18261719,  0.01361084,
        -0.04321289,  0.11328125, -0.00469971,  0.32617188, -0.02246094,
        -0.02380371,  0.03393555,  0.15820312,  0.13183594, -0.01867676,
        -0.04541016, -0.16894531,  0.01635742,  0.3046875 ,  0.18359375,
         0.34570312,  0.02111816,  0.23730469,  0.0144043 ,  0.15527344,
         0.19726562, -0.04541016,  0.42382812,  0.0090332 , -0.12890625,
         0.00878906, -0.02734375, -0.08691406,  0.11376953,  0.23046875,
         0.09960938, -0.13476562,  0.12255859, -0.21191406,  0.15625   ,
        -0.046875  , -0.24316406, -0.07568359, -0.04248047, -0.0032959 ,
        -0.17675781,  0.08447266, -0.11816406, -0.38867188, -0.26757812,
         0.09716797, -0.24023438, -0.03662109, -0.22363281,  0.10888672,
         0.18359375,  0.07226562,  0.06738281, -0.11230469, -0.1640625 ,
        -0.40234375, -0.13574219, -0.03881836,  0.09814453,  0.23730469,
         0.1015625 ,  0.14550781, -0.07958984, -0.26367188,  0.05126953,
        -0.01068115, -0.0067749 ,  0.02294922, -0.11767578, -0.01379395,
        -0.22851562,  0.09130859, -0.1953125 ,  0.2578125 , -0.03149414,
         0.15234375, -0.11523438,  0.02758789,  0.11132812, -0.18652344,
         0.18457031,  0.10839844,  0.17773438, -0.19726562, -0.17578125,
         0.2421875 , -0.19140625, -0.0324707 , -0.15039062, -0.12402344,
        -0.20703125, -0.09765625,  0.01397705,  0.24414062,  0.32617188,
         0.01306152,  0.14941406, -0.00509644, -0.03637695, -0.11376953,
        -0.05957031,  0.125     ,  0.13574219, -0.37695312,  0.33984375,
        -0.00057602,  0.22851562,  0.06982422, -0.04174805,  0.09765625,
```

```
        -0.17480469, -0.2734375 , -0.00674438,  0.04370117,  0.06640625,
         0.07470703, -0.1015625 ,  0.24609375, -0.04443359,  0.20410156,
         0.06591797, -0.02331543, -0.17285156,  0.03588867,  0.10351562,
        -0.25390625,  0.20898438,  0.01391602, -0.15722656,  0.06201172,
        -0.02502441, -0.25390625,  0.12255859, -0.21972656, -0.27929688,
         0.28515625,  0.10107422, -0.21386719,  0.07910156,  0.10839844,
        -0.01782227, -0.13964844,  0.09082031, -0.37695312,  0.08154297,
        -0.09814453,  0.08154297, -0.07910156,  0.41210938,  0.3125    ,
         0.08447266,  0.27929688,  0.06225586,  0.03881836, -0.1328125 ,
         0.00558472,  0.15625   ,  0.07519531, -0.0703125 ,  0.17285156,
        -0.47851562, -0.17773438, -0.25585938,  0.0534668 , -0.3203125 ,
        -0.08203125,  0.06933594, -0.02990723, -0.03833008,  0.21777344,
         0.15820312, -0.13085938, -0.1484375 ,  0.23632812,  0.21191406,
        -0.14941406,  0.14941406,  0.01177979,  0.04467773,  0.16796875,
         0.05566406, -0.13183594, -0.02978516, -0.01226807, -0.22265625],
       dtype=float32),
 'posse': array([-1.16210938e-01, -1.04980469e-01, -1.18164062e-01,  1.0156
2500e-01,
        -3.97949219e-02,  7.95898438e-02, -5.03906250e-01, -1.33789062e-01,
        -1.60156250e-01,  5.29785156e-02,  2.42187500e-01, -2.12890625e-01,
         1.23535156e-01, -7.95898438e-02, -4.49218750e-01,  1.86767578e-02,
         1.89453125e-01,  3.27148438e-02,  9.17968750e-02, -1.01562500e-01,
         1.15234375e-01, -1.79687500e-01,  1.19628906e-02, -9.32617188e-02,
        -1.75781250e-01, -8.44726562e-02, -3.96484375e-01,  1.26953125e-01,
        -1.25976562e-01, -8.10546875e-02,  3.65234375e-01, -1.33789062e-01,
         1.82617188e-01,  3.00781250e-01, -1.97265625e-01, -9.96093750e-02,
         2.83203125e-01,  6.73828125e-02,  2.92968750e-01, -1.23901367e-02,
         3.28125000e-01, -1.39770508e-02,  1.51367188e-01,  9.58251953e-03,
        -5.71289062e-02, -1.77734375e-01, -2.14843750e-01, -1.59179688e-01,
         2.49023438e-01,  2.51953125e-01, -1.49414062e-01, -4.95605469e-02,
         1.47460938e-01,  1.73828125e-01,  6.05468750e-02,  8.15429688e-02,
         3.08837891e-02, -1.76757812e-01, -2.09960938e-01,  1.13525391e-02,
         9.86328125e-02,  8.59375000e-02, -5.10253906e-02, -1.67968750e-01,
        -1.38671875e-01, -2.77343750e-01, -2.00195312e-01, -1.98242188e-01,
        -2.73437500e-01,  2.53906250e-02,  9.22851562e-02, -2.84423828e-02,
         4.66308594e-02,  5.66406250e-02, -9.37500000e-02,  2.29492188e-01,
        -3.61328125e-02, -2.06054688e-01, -3.52478027e-03, -3.10546875e-01,
         1.64062500e-01,  1.57226562e-01, -6.22558594e-03, -1.58203125e-01,
        -1.13281250e-01, -1.98242188e-01, -1.89453125e-01, -1.54296875e-01,
         3.75000000e-01, -1.34765625e-01, -1.53198242e-02,  9.66796875e-02,
         6.00585938e-02, -7.76367188e-02,  5.00488281e-02, -1.26953125e-01,
        -7.03125000e-02,  1.33789062e-01,  8.78906250e-02, -2.48046875e-01,
         1.03027344e-01, -1.90429688e-01,  1.21093750e-01, -6.80541992e-03,
         5.71289062e-02, -5.34667969e-02, -4.46777344e-02,  5.39550781e-02,
         2.05078125e-01, -9.76562500e-02, -6.25000000e-02, -1.04492188e-01,
         6.17675781e-02,  6.12792969e-02,  1.89453125e-01, -1.05957031e-01,
        -4.05273438e-02,  4.32128906e-02, -7.71484375e-02, -1.02050781e-01,
        -1.20605469e-01, -1.53320312e-01, -2.53906250e-01, -8.05664062e-02,
         4.49218750e-01,  2.89306641e-02, -1.70898438e-01, -4.83398438e-02,
         1.94335938e-01, -1.00585938e-01, -4.11987305e-03, -6.83593750e-02,
         7.27539062e-02,  1.49414062e-01, -2.47070312e-01,  1.29882812e-01,
        -6.39648438e-02,  2.63671875e-01, -5.41992188e-02, -5.66406250e-02,
         2.59765625e-01, -3.88671875e-01, -6.95800781e-03, -1.03027344e-01,
         4.58984375e-01,  2.44140625e-01,  3.01513672e-02, -1.04980469e-02,
         2.12890625e-01,  1.26953125e-01,  1.34765625e-01,  1.47460938e-01,
         4.71191406e-02,  1.99218750e-01,  9.37500000e-02,  7.99560547e-03,
         5.98144531e-02, -1.64062500e-01,  1.29882812e-01, -1.19628906e-01,
         8.25195312e-02,  4.73632812e-02,  1.54296875e-01, -1.37695312e-01,
         1.04980469e-01, -2.32421875e-01,  1.49414062e-01, -1.52343750e-01,
        -2.15820312e-01,  1.67968750e-01,  2.39257812e-01, -7.71484375e-02,
         4.16015625e-01, -8.36181641e-03,  9.32617188e-02, -1.56250000e-01,
        -2.65625000e-01,  4.90722656e-02,  2.27050781e-02, -7.27539062e-02,
         9.09423828e-03,  3.22265625e-02,  1.03515625e-01, -1.32751465e-03,
        -1.49414062e-01, -1.97265625e-01,  2.28515625e-01,  4.78515625e-02,
```

```
         4.44335938e-02, -5.52368164e-03,  1.29882812e-01, -1.27929688e-01,
         9.96093750e-02, -2.80141830e-05,  6.01196289e-03,  9.32617188e-02,
        -3.00781250e-01,  2.61718750e-01, -2.99072266e-02,  9.37500000e-02,
         7.12890625e-02,  7.22656250e-02, -2.16796875e-01,  2.20947266e-02,
         1.05957031e-01, -4.56542969e-02, -1.26953125e-01,  1.38671875e-01,
         1.41601562e-01,  1.48437500e-01, -1.68945312e-01, -1.20605469e-01,
        -8.54492188e-02, -2.83203125e-01, -2.15820312e-01,  1.56250000e-01,
        -1.73828125e-01, -2.46582031e-02, -3.55468750e-01, -8.05664062e-02,
        -3.10546875e-01,  1.67236328e-02,  2.50000000e-01,  2.05078125e-01,
         2.98828125e-01, -3.12500000e-02,  1.59179688e-01,  1.27929688e-01,
         2.34375000e-01, -1.38671875e-01, -7.22656250e-02,  9.86328125e-02,
         2.77099609e-02, -1.31835938e-01,  3.88671875e-01,  1.09375000e-01,
         1.32812500e-01, -2.63977051e-03, -5.95703125e-02,  1.94335938e-01,
         4.32128906e-02,  2.37304688e-01,  2.42919922e-02,  2.51464844e-02,
        -1.29882812e-01,  2.47070312e-01,  4.47265625e-01,  1.25976562e-01,
         1.47460938e-01,  7.27539062e-02,  1.79443359e-02, -1.77001953e-02,
         7.61718750e-02,  4.17968750e-01, -4.76074219e-02, -9.21630859e-03,
         3.29589844e-02, -3.14453125e-01,  8.30078125e-03, -1.90429688e-01,
        -1.95312500e-01, -5.63964844e-02, -1.03027344e-01,  9.81445312e-02,
         8.69140625e-02,  4.93164062e-02, -2.42187500e-01,  5.88378906e-02,
        -2.59765625e-01,  2.08007812e-01,  1.96838379e-03,  1.44531250e-01,
        -3.63769531e-02,  2.01171875e-01,  2.44140625e-01, -1.06445312e-01,
         1.56250000e-01, -5.88378906e-02, -1.38671875e-01,  2.50000000e-01,
        -9.42382812e-02, -2.42187500e-01, -2.60009766e-02, -5.44433594e-02,
        -2.47070312e-01,  6.64062500e-02, -3.33984375e-01,  1.07910156e-01,
         3.47656250e-01, -1.08886719e-01,  4.68750000e-02,  1.03515625e-01,
        -8.60595703e-03, -1.10351562e-01, -5.49316406e-02,  7.24792480e-04,
        -2.12402344e-02, -1.79687500e-01, -2.31445312e-01,  5.39550781e-0
2],
       dtype=float32),
 'aptitude': array([ 0.13964844,  0.13574219,  0.03637695,  0.14550781, -0.
04443359,
        -0.09814453,  0.15429688, -0.01135254, -0.27929688,  0.05297852,
         0.234375  , -0.21191406,  0.1875    , -0.04077148, -0.10205078,
         0.26953125, -0.11621094,  0.13183594, -0.03271484, -0.38867188,
        -0.13574219, -0.24707031, -0.28125   ,  0.22949219, -0.03735352,
        -0.06933594, -0.41210938, -0.10791016, -0.328125  ,  0.27539062,
        -0.12109375,  0.18066406,  0.12597656, -0.08300781,  0.12988281,
         0.17773438,  0.04394531,  0.25195312,  0.0255127 , -0.12890625,
         0.02758789, -0.11523438,  0.05419922,  0.0625    , -0.10888672,
         0.04052734, -0.26953125,  0.04174805, -0.1640625 , -0.02941895,
        -0.28710938, -0.02038574, -0.16796875, -0.234375  ,  0.125     ,
         0.29101562,  0.05761719, -0.43164062, -0.3046875 ,  0.02490234,
         0.12304688, -0.13476562,  0.08105469, -0.0703125 , -0.15039062,
         0.13867188, -0.11474609, -0.14941406,  0.00527954,  0.07324219,
        -0.26757812, -0.41796875,  0.0480957 ,  0.06884766, -0.11914062,
        -0.10888672,  0.10302734,  0.09765625,  0.0612793 ,  0.21777344,
         0.08105469,  0.23925781, -0.28125   ,  0.17089844,  0.22167969,
        -0.10253906,  0.22070312,  0.24902344,  0.203125  , -0.10009766,
        -0.11962891, -0.18945312, -0.28320312,  0.18554688,  0.43945312,
        -0.14941406,  0.25      ,  0.25195312, -0.13476562, -0.22363281,
         0.23925781,  0.01153564, -0.15527344, -0.06933594,  0.09570312,
        -0.45507812, -0.1875    , -0.00708008,  0.58984375, -0.27734375,
         0.14648438,  0.16699219, -0.28710938,  0.06787109,  0.15722656,
        -0.171875  , -0.04858398, -0.13867188,  0.02258301, -0.17773438,
        -0.21679688, -0.00656128, -0.03466797,  0.06933594, -0.20898438,
         0.17285156, -0.12304688, -0.04907227,  0.1640625 ,  0.20800781,
        -0.08935547, -0.22363281, -0.21679688,  0.00982666, -0.03369141,
         0.12402344,  0.04296875, -0.00860596, -0.25976562, -0.00836182,
        -0.24316406,  0.03271484, -0.31054688,  0.38671875, -0.35546875,
         0.16699219,  0.03564453, -0.03637695, -0.09960938, -0.02160645,
         0.03857422,  0.2734375 , -0.17285156, -0.03466797, -0.38476562,
        -0.23535156, -0.20800781, -0.31445312,  0.00970459, -0.20507812,
         0.44335938,  0.06542969, -0.12109375,  0.02832031, -0.00317383,
```

```
        -0.14453125,  0.18164062, -0.11376953,  0.04370117,  0.18847656,
         0.04760742,  0.02868652, -0.19824219, -0.34765625, -0.03442383,
         0.27929688,  0.07080078, -0.40429688, -0.05688477, -0.26953125,
        -0.19628906,  0.01940918, -0.01379395, -0.04223633,  0.02966309,
         0.06079102, -0.08203125, -0.38671875,  0.19433594,  0.0612793 ,
        -0.0100708 ,  0.24023438, -0.13183594,  0.24414062,  0.09667969,
        -0.11523438,  0.55078125, -0.21289062, -0.13183594, -0.15820312,
        -0.34179688,  0.10546875, -0.27929688, -0.1328125 ,  0.11621094,
        -0.10742188,  0.02770996, -0.07421875,  0.15332031,  0.21484375,
        -0.06787109, -0.10253906, -0.0859375 , -0.14648438, -0.19824219,
         0.078125  ,  0.26171875,  0.23144531, -0.14941406,  0.20507812,
        -0.14648438, -0.03686523, -0.07519531, -0.0246582 ,  0.04223633,
         0.26757812,  0.06787109, -0.03393555, -0.24414062,  0.15234375,
        -0.01104736, -0.21777344, -0.02111816, -0.00720215,  0.21679688,
         0.15039062,  0.04956055, -0.12695312,  0.0168457 ,  0.07128906,
         0.05297852,  0.1796875 , -0.08496094,  0.28515625,  0.00521851,
        -0.078125  , -0.14941406, -0.15039062, -0.13964844, -0.33007812,
        -0.05932617, -0.32617188, -0.2734375 ,  0.43164062,  0.04174805,
        -0.13867188,  0.13183594,  0.19433594, -0.18457031,  0.23339844,
         0.19921875,  0.15917969, -0.08154297,  0.24707031,  0.08886719,
         0.07763672, -0.06933594, -0.02746582, -0.04833984, -0.24316406,
        -0.22949219, -0.05102539, -0.13671875,  0.21582031, -0.0703125 ,
         0.07324219,  0.15722656,  0.04077148, -0.29101562,  0.14550781,
         0.3359375 ,  0.12255859, -0.02478027,  0.24511719, -0.22851562,
         0.03393555,  0.24023438,  0.3125    ,  0.07714844,  0.375     ,
        -0.20019531,  0.22558594, -0.31445312, -0.32421875, -0.26757812,
        -0.13867188,  0.32226562, -0.10205078, -0.18457031,  0.12988281],
       dtype=float32),
 'proficiently': array([ 0.08886719,  0.00476074, -0.33203125, -0.05786133,
-0.06738281,
        -0.390625  ,  0.03100586,  0.37695312,  0.08398438, -0.23339844,
         0.33007812, -0.19433594,  0.06787109,  0.1640625 ,  0.29296875,
         0.03955078, -0.29101562,  0.24707031, -0.07080078,  0.03515625,
         0.00125885,  0.14453125, -0.109375  , -0.00933838, -0.06445312,
        -0.125     ,  0.09277344, -0.05297852, -0.07470703,  0.16503906,
        -0.18066406,  0.08984375,  0.22167969, -0.14257812,  0.03881836,
         0.21679688,  0.02319336,  0.25390625, -0.2109375 , -0.14941406,
         0.36328125,  0.05786133, -0.03613281,  0.04711914,  0.06201172,
         0.05517578, -0.15039062,  0.2421875 , -0.07421875,  0.14355469,
        -0.3125    , -0.10986328, -0.11767578, -0.15722656,  0.05859375,
         0.1484375 ,  0.31835938, -0.26757812, -0.35546875, -0.05273438,
         0.05493164,  0.19042969, -0.14257812, -0.328125  ,  0.02758789,
         0.29882812, -0.13085938, -0.18945312, -0.05834961,  0.21972656,
         0.09619141, -0.26757812,  0.13671875, -0.29101562, -0.16015625,
        -0.12792969,  0.05981445,  0.23925781,  0.28710938, -0.02905273,
         0.00601196,  0.05810547, -0.12451172, -0.1328125 ,  0.16015625,
         0.08886719, -0.03222656,  0.328125  , -0.13476562,  0.21386719,
        -0.23242188, -0.25390625, -0.28125   ,  0.03125   , -0.06494141,
        -0.20800781,  0.07958984, -0.10107422, -0.22070312,  0.04248047,
         0.1796875 , -0.29101562, -0.21191406, -0.05224609, -0.3046875 ,
        -0.18652344, -0.07958984, -0.01843262,  0.23925781, -0.09375   ,
        -0.10498047,  0.265625  , -0.2578125 ,  0.23730469,  0.05371094,
         0.29296875,  0.1640625 , -0.10205078, -0.12255859, -0.08544922,
        -0.18164062,  0.01031494,  0.01055908, -0.02429199,  0.12011719,
        -0.10791016, -0.2265625 , -0.08740234,  0.05517578, -0.15234375,
        -0.00643921, -0.01379395, -0.10888672,  0.05004883, -0.05029297,
         0.24511719,  0.03857422, -0.05908203, -0.28320312,  0.0111084 ,
        -0.11621094, -0.40234375, -0.44140625,  0.296875  , -0.11865234,
         0.15820312, -0.07226562,  0.33789062,  0.32226562, -0.02258301,
         0.11914062,  0.12353516,  0.09179688,  0.13964844, -0.15136719,
         0.19433594, -0.5234375 ,  0.13183594, -0.18847656, -0.11962891,
        -0.0324707 ,  0.20605469,  0.15039062,  0.10888672, -0.04321289,
        -0.14746094, -0.11767578, -0.23925781,  0.16503906, -0.0612793 ,
        -0.09814453,  0.04272461, -0.07958984, -0.15527344, -0.06445312,
```

```
         0.14746094,  0.13574219, -0.234375  , -0.31054688, -0.48828125,
        -0.18554688, -0.296875  , -0.03564453, -0.14648438, -0.1875    ,
         0.22265625,  0.10742188, -0.36914062,  0.09228516, -0.03637695,
        -0.11816406, -0.11621094, -0.3046875 , -0.12988281,  0.20410156,
        -0.3125    ,  0.28710938, -0.26171875, -0.00124359, -0.0546875 ,
        -0.05810547, -0.0859375 , -0.06445312,  0.09423828,  0.04614258,
        -0.23046875,  0.01940918, -0.29492188, -0.13769531,  0.02722168,
         0.21875   ,  0.23925781, -0.22460938, -0.23925781, -0.13574219,
         0.00704956, -0.0065918 , -0.0456543 , -0.19433594, -0.15722656,
        -0.07470703,  0.02587891, -0.19628906, -0.20214844,  0.13476562,
        -0.0111084 ,  0.125     , -0.16308594,  0.12890625, -0.18457031,
         0.37304688, -0.1328125 ,  0.27929688,  0.07226562,  0.3203125 ,
         0.05493164, -0.33398438,  0.3046875 ,  0.12158203,  0.05395508,
        -0.3671875 ,  0.13671875,  0.08398438, -0.23242188, -0.25195312,
        -0.27148438,  0.14160156,  0.03759766, -0.30859375, -0.15917969,
        -0.17480469, -0.33789062,  0.07177734,  0.13671875,  0.36523438,
        -0.4375    , -0.00646973,  0.06030273, -0.11230469,  0.13085938,
        -0.06884766,  0.23046875,  0.05712891,  0.04345703, -0.11523438,
        -0.04150391,  0.34179688, -0.02270508,  0.18554688,  0.13378906,
         0.13671875, -0.00717163, -0.359375  ,  0.25390625,  0.00909424,
        -0.23242188,  0.10644531, -0.12402344, -0.3125    , -0.19824219,
        -0.00692749,  0.15625   ,  0.12402344,  0.4375    ,  0.1328125 ,
         0.02685547,  0.22949219,  0.04833984,  0.13574219,  0.28125   ,
        -0.06103516,  0.10449219, -0.0859375 , -0.13183594, -0.10107422,
         0.18066406,  0.02172852, -0.15625   , -0.0246582 , -0.08789062],
       dtype=float32),
 'exclude': array([-2.65625000e-01, -4.45556641e-03,  2.69531250e-01,  1.78
710938e-01,
        -1.45507812e-01,  1.27929688e-01, -7.17773438e-02,  2.48046875e-01,
         2.69531250e-01, -1.83593750e-01, -8.20312500e-02, -6.73828125e-02,
        -1.27563477e-02,  3.00781250e-01, -1.84570312e-01,  2.28515625e-01,
         3.06640625e-01, -2.69775391e-02,  1.97753906e-02, -4.10156250e-02,
         7.27539062e-02, -2.53906250e-01, -3.59375000e-01,  1.51367188e-01,
         9.71679688e-02, -1.74804688e-01,  2.27050781e-02,  1.49414062e-01,
         3.07617188e-02,  2.15820312e-01,  9.66796875e-02, -1.08886719e-01,
        -9.32617188e-02,  3.37890625e-01, -1.27929688e-01, -1.66015625e-01,
        -8.98437500e-02, -2.47802734e-02, -3.22265625e-01,  2.30468750e-01,
         3.76953125e-01,  2.85156250e-01,  4.14062500e-01,  7.86132812e-02,
        -2.36328125e-01, -2.92968750e-01, -7.12890625e-02, -5.44433594e-02,
        -6.25000000e-02,  1.31835938e-01, -2.34375000e-01, -1.54296875e-01,
        -2.85156250e-01, -2.83203125e-01, -2.75390625e-01, -6.59179688e-02,
        -1.12304688e-01,  3.49121094e-02,  1.42578125e-01,  8.15429688e-02,
        -1.41601562e-01, -7.62939453e-03,  1.57226562e-01, -1.60156250e-01,
         3.28125000e-01, -4.51660156e-02, -1.52343750e-01,  1.25000000e-01,
        -3.53515625e-01,  3.24218750e-01, -2.73437500e-02, -1.47460938e-01,
         6.07910156e-02,  5.46875000e-02, -1.11816406e-01, -2.03125000e-01,
         2.87109375e-01,  6.54296875e-02,  5.81054688e-02,  1.80664062e-01,
         1.25000000e-01, -2.96875000e-01,  2.85644531e-02,  3.73046875e-01,
         1.65039062e-01, -5.95703125e-02, -2.19726562e-01,  2.35351562e-01,
        -1.38671875e-01, -9.47265625e-02,  6.29882812e-02,  3.58886719e-02,
        -9.66796875e-02,  4.49218750e-02,  1.46484375e-01, -2.06054688e-01,
         1.25000000e-01,  7.66601562e-02, -1.14746094e-02, -5.17578125e-02,
         7.76367188e-02,  6.25000000e-02,  6.80541992e-03,  1.91406250e-01,
        -1.09863281e-01,  3.32031250e-02,  4.56542969e-02, -1.38671875e-01,
         2.26562500e-01, -1.91406250e-01, -2.63671875e-01,  5.83496094e-02,
         5.85937500e-03,  6.83593750e-02,  2.27539062e-01, -7.17773438e-02,
         5.66406250e-02, -1.33789062e-01,  2.19726562e-01,  1.05957031e-01,
         2.40234375e-01,  3.30078125e-01, -1.90429688e-01,  2.72216797e-02,
        -5.46875000e-02, -7.95898438e-02, -2.90527344e-02,  6.39648438e-02,
         2.46582031e-02,  1.98974609e-02,  1.67968750e-01, -2.44140625e-01,
         3.27148438e-02,  1.25976562e-01,  9.86328125e-02, -5.78613281e-02,
         2.65625000e-01,  1.26953125e-01,  1.64062500e-01, -1.78710938e-01,
         3.53515625e-01,  7.17773438e-02, -3.90625000e-02,  1.05468750e-01,
        -2.46582031e-02,  1.19628906e-02, -3.93066406e-02, -2.10937500e-01,
```

```
        -3.28125000e-01,  3.41796875e-01,  4.32128906e-02,  7.61718750e-02,
        -5.15136719e-02,  1.07421875e-01,  2.36328125e-01,  1.27929688e-01,
        -3.58886719e-02, -4.15039062e-02, -1.15722656e-01,  1.96533203e-02,
         1.40625000e-01,  4.05273438e-02,  1.77734375e-01, -3.39843750e-01,
         5.22460938e-02,  3.24218750e-01,  1.28906250e-01,  1.40625000e-01,
        -1.28906250e-01, -2.05078125e-02, -3.69140625e-01, -1.89453125e-01,
         1.64794922e-02, -2.37304688e-01,  2.98828125e-01, -1.78710938e-01,
         4.53125000e-01, -9.76562500e-04, -1.97265625e-01, -1.53320312e-01,
        -3.84765625e-01, -4.68750000e-02,  1.46484375e-01,  1.25000000e-01,
         1.25000000e-01,  1.71875000e-01, -6.34765625e-02,  2.47070312e-01,
        -5.72204590e-04,  1.82617188e-01,  1.14746094e-01,  9.76562500e-02,
         9.03320312e-02,  7.76367188e-02,  1.19140625e-01,  3.83300781e-02,
         2.42187500e-01, -2.63671875e-01, -4.44335938e-02,  3.61633301e-03,
         3.18359375e-01, -4.00390625e-02, -4.05273438e-02, -7.51953125e-02,
        -4.53125000e-01, -1.04003906e-01,  5.73730469e-02,  7.61718750e-02,
         1.17797852e-02, -1.84570312e-01, -2.74658203e-02,  1.48315430e-02,
         2.40234375e-01,  2.26562500e-01, -2.91748047e-02,  1.96533203e-02,
        -1.72615051e-04, -4.54711914e-03,  1.97265625e-01, -3.24218750e-01,
        -1.91406250e-01,  1.41601562e-01, -5.73730469e-02, -1.09863281e-01,
        -2.65625000e-01,  9.47265625e-02,  9.94873047e-03,  2.63671875e-01,
         1.31835938e-01,  2.02148438e-01,  3.57421875e-01, -7.32421875e-02,
        -4.79125977e-03,  1.16210938e-01,  2.24609375e-01,  1.25000000e-01,
         1.82617188e-01, -2.87109375e-01,  1.42578125e-01, -1.87988281e-02,
        -1.40625000e-01,  1.61132812e-01,  2.69531250e-01,  3.82812500e-01,
         1.09375000e-01,  2.59765625e-01, -2.83203125e-01, -1.01074219e-01,
        -1.10351562e-01, -1.05957031e-01,  5.93261719e-02, -9.88769531e-03,
        -1.57928467e-03, -3.92578125e-01,  5.76171875e-02,  1.68945312e-01,
        -2.07031250e-01, -5.15747070e-03,  1.30859375e-01,  7.66601562e-02,
         2.63671875e-01, -2.65625000e-01,  5.61523438e-02,  2.89062500e-01,
        -2.69531250e-01,  2.19726562e-02, -1.27929688e-01,  1.14135742e-02,
        -8.78906250e-02, -1.46484375e-01, -9.22851562e-02,  1.19628906e-01,
         4.66796875e-01,  2.23632812e-01,  1.17187500e-01, -2.06054688e-01,
        -2.40234375e-01, -8.83789062e-02,  6.68945312e-02, -1.85546875e-01,
        -1.13525391e-02,  1.66015625e-02, -2.37304688e-01,  1.61132812e-01,
        -3.97949219e-02,  6.64062500e-02, -1.51367188e-02, -3.32641602e-03,
        -1.86523438e-01, -1.94335938e-01,  2.51953125e-01,  1.82617188e-01,
         1.20117188e-01,  1.51367188e-01, -1.15234375e-01, -7.08007812e-02,
         9.96093750e-02, -5.24902344e-02,  1.09375000e-01,  7.32421875e-0
2],
       dtype=float32),
 'pose': array([-0.06933594,  0.15820312, -0.03930664,  0.14257812, -0.2558
5938,
        -0.05175781,  0.13085938,  0.07617188,  0.10498047,  0.17285156,
         0.06298828, -0.5390625 ,  0.09960938, -0.03112793, -0.11865234,
         0.33984375,  0.02832031,  0.10742188, -0.30273438, -0.19335938,
        -0.01867676, -0.28515625, -0.08691406,  0.39648438,  0.02514648,
        -0.12792969, -0.35351562, -0.10009766, -0.10058594,  0.03808594,
         0.05761719,  0.08691406, -0.09521484, -0.17675781,  0.26953125,
        -0.15429688, -0.0145874 ,  0.24414062, -0.00708008,  0.28515625,
        -0.16015625,  0.20703125, -0.07324219,  0.10693359, -0.171875  ,
        -0.05249023, -0.01806641,  0.24511719,  0.13964844,  0.23046875,
        -0.22363281,  0.07373047, -0.00897217, -0.24707031, -0.05029297,
        -0.05029297,  0.39648438,  0.0546875 ,  0.12304688, -0.05200195,
         0.28515625,  0.02648926,  0.10253906, -0.0859375 , -0.25585938,
         0.18164062, -0.2578125 ,  0.34765625, -0.12597656,  0.07177734,
        -0.04443359,  0.13378906,  0.21191406, -0.06933594, -0.29296875,
        -0.09423828, -0.27929688,  0.10791016,  0.08886719,  0.33007812,
        -0.13964844, -0.16308594,  0.04174805,  0.06884766,  0.125     ,
         0.09570312, -0.11669922, -0.09765625, -0.08984375,  0.02001953,
         0.01757812, -0.36523438, -0.27734375,  0.20507812, -0.01031494,
        -0.04077148,  0.17871094,  0.28710938,  0.0324707 , -0.04638672,
        -0.10009766, -0.11865234,  0.01068115,  0.07519531,  0.01507568,
        -0.30273438,  0.10253906, -0.05322266,  0.00097275,  0.38085938,
        -0.16210938, -0.09082031,  0.08447266, -0.06884766, -0.19140625,
```

```
         0.00066757, -0.08154297,  0.0078125 , -0.32226562,  0.17871094,
        -0.14550781, -0.14257812, -0.14746094, -0.19335938,  0.12451172,
         0.2578125 ,  0.16113281,  0.10546875,  0.04174805,  0.02294922,
         0.27929688, -0.01452637, -0.22363281,  0.19628906, -0.06640625,
        -0.3359375 ,  0.08251953,  0.08642578,  0.15917969, -0.07177734,
         0.12988281, -0.19042969,  0.02807617,  0.00805664,  0.10546875,
         0.03491211, -0.01025391, -0.20410156, -0.12353516,  0.08154297,
        -0.33789062, -0.05297852,  0.08691406, -0.30859375,  0.10888672,
        -0.10205078, -0.1015625 , -0.29296875,  0.22460938, -0.06982422,
         0.09033203,  0.09716797, -0.04321289, -0.15625   ,  0.14160156,
        -0.09716797,  0.17871094, -0.0534668 , -0.2578125 , -0.06347656,
         0.00180817, -0.28320312,  0.00338745,  0.05786133, -0.09082031,
        -0.13574219,  0.04516602,  0.15917969, -0.10644531,  0.14746094,
        -0.2109375 , -0.08203125,  0.20898438, -0.08642578, -0.15429688,
        -0.00164032,  0.01177979,  0.00182343, -0.25390625,  0.21972656,
         0.05273438,  0.01708984,  0.29492188,  0.09765625, -0.30859375,
         0.00952148, -0.03979492, -0.09423828,  0.28125   , -0.29101562,
         0.36328125,  0.05639648,  0.10986328, -0.3203125 ,  0.34960938,
        -0.00549316, -0.02661133,  0.31640625, -0.36523438, -0.06933594,
        -0.171875  , -0.2421875 ,  0.12988281,  0.00445557, -0.14648438,
        -0.24902344,  0.02294922,  0.04223633, -0.17773438, -0.0703125 ,
        -0.11230469, -0.04736328, -0.33789062, -0.0090332 ,  0.18261719,
        -0.06835938, -0.18359375, -0.2890625 ,  0.33203125,  0.08544922,
         0.0201416 ,  0.37890625, -0.02563477, -0.01025391,  0.375     ,
         0.41601562,  0.24023438, -0.25976562,  0.19921875,  0.11425781,
        -0.33398438,  0.37695312, -0.22265625,  0.29882812, -0.16015625,
        -0.17089844, -0.16308594, -0.03198242,  0.14257812, -0.17871094,
         0.19042969, -0.05737305, -0.11621094,  0.046875  , -0.04223633,
         0.18457031, -0.3359375 , -0.08789062, -0.12597656,  0.3125    ,
        -0.32421875, -0.16015625, -0.02160645,  0.01635742,  0.07568359,
         0.19042969, -0.21484375,  0.2265625 ,  0.08496094, -0.09667969,
         0.08496094,  0.5       ,  0.25390625, -0.01123047,  0.18554688,
        -0.2109375 , -0.06445312, -0.26367188, -0.12011719,  0.04418945,
         0.0559082 ,  0.34960938,  0.26953125, -0.1796875 , -0.14160156,
        -0.23632812, -0.3046875 ,  0.09228516, -0.14648438, -0.0098877 ,
        -0.1875    , -0.07714844,  0.15527344,  0.01672363, -0.01757812,
         0.04394531,  0.00482178, -0.37304688,  0.06689453, -0.06640625],
       dtype=float32),
 'threat': array([ 2.20703125e-01,  5.22460938e-02,  1.51367188e-01,  1.113
28125e-01,
        -2.43164062e-01,  2.44140625e-01, -1.74804688e-01, -7.93457031e-04,
         2.34375000e-01,  2.47070312e-01, -1.76757812e-01, -5.03906250e-01,
         1.63574219e-02, -1.34765625e-01, -9.13085938e-02, -8.05664062e-03,
        -1.90429688e-01,  1.35742188e-01, -1.57226562e-01, -2.89062500e-01,
         3.44238281e-02, -1.22558594e-01, -2.70996094e-02, -6.83593750e-02,
        -1.03712082e-05,  9.61914062e-02,  1.95312500e-01, -4.17480469e-02,
        -1.84326172e-02,  1.61132812e-01,  2.19726562e-01, -1.13769531e-01,
         3.10058594e-02, -2.41210938e-01, -2.42919922e-02,  7.08007812e-02,
         5.73730469e-02,  2.06054688e-01, -1.98974609e-02,  9.47265625e-02,
        -1.85546875e-01,  6.98852539e-03, -7.87353516e-03,  7.91015625e-02,
        -2.27539062e-01, -1.41601562e-01,  1.10839844e-01,  1.53198242e-02,
        -1.13769531e-01,  2.75390625e-01, -2.75390625e-01, -1.05957031e-01,
        -2.29492188e-01,  2.06298828e-02,  2.23388672e-02,  9.46044922e-03,
         1.85546875e-01,  7.17773438e-02, -1.71875000e-01, -2.08984375e-01,
        -2.77343750e-01,  9.66796875e-02, -2.97851562e-02, -2.76184082e-03,
        -5.81054688e-02, -2.34985352e-03,  9.81445312e-02,  1.80664062e-01,
        -4.58984375e-01,  6.20117188e-02, -3.20312500e-01, -5.81054688e-02,
         1.54296875e-01, -1.11328125e-01, -1.20605469e-01,  3.17382812e-02,
         1.71875000e-01, -1.58691406e-02,  2.08984375e-01,  9.91210938e-02,
         1.14746094e-01,  1.52343750e-01,  3.75000000e-01,  3.29589844e-02,
         1.22680664e-02, -4.73632812e-02, -3.04687500e-01, -9.66796875e-02,
        -5.22460938e-02,  6.12792969e-02,  5.63964844e-02, -2.91015625e-01,
        -2.38281250e-01,  2.03125000e-01, -1.23535156e-01,  1.05957031e-01,
        -6.68945312e-02, -3.36914062e-02,  2.03125000e-01, -1.68457031e-02,
```

```
        -2.34375000e-02,  1.14257812e-01,  1.81640625e-01, -2.95410156e-02,
        -2.05078125e-01, -1.05468750e-01, -8.20312500e-02, -8.93554688e-02,
        -2.07031250e-01,  1.15722656e-01, -1.69921875e-01, -1.45507812e-01,
        -2.38281250e-01,  2.51953125e-01, -3.24218750e-01,  9.52148438e-02,
         3.75976562e-02,  3.16406250e-01, -1.10351562e-01,  3.32031250e-01,
        -8.30078125e-02,  8.93554688e-02, -1.99218750e-01,  1.36718750e-01,
        -2.65625000e-01, -1.16699219e-01,  1.55273438e-01, -3.39355469e-02,
         9.64355469e-03, -3.96728516e-03,  1.08886719e-01,  7.37304688e-02,
         1.44531250e-01, -8.49609375e-02, -2.57812500e-01, -2.98828125e-01,
         4.66308594e-02,  3.96484375e-01, -3.18359375e-01, -2.59399414e-03,
         1.55639648e-02, -8.98437500e-02,  1.24511719e-01,  2.95410156e-02,
         1.31835938e-01, -1.62109375e-01,  4.12597656e-02, -1.23046875e-01,
        -2.34375000e-01, -5.81054688e-02, -7.91015625e-02,  3.26171875e-01,
        -2.28881836e-03, -5.17578125e-02, -2.65625000e-01, -7.91015625e-02,
         2.44140625e-02, -3.75000000e-01,  9.37500000e-02, -2.85156250e-01,
         1.03027344e-01,  2.53906250e-01,  2.13867188e-01, -2.22656250e-01,
        -2.07031250e-01, -1.67968750e-01, -1.21582031e-01,  1.03027344e-01,
        -5.02929688e-02,  1.83593750e-01,  7.95898438e-02, -5.12695312e-03,
        -2.16796875e-01, -1.38671875e-01,  1.31835938e-01,  1.87500000e-01,
         2.23632812e-01, -9.08203125e-02, -5.73730469e-02,  2.65625000e-01,
        -1.65039062e-01, -9.37500000e-02, -9.08203125e-02, -2.89062500e-01,
        -4.93164062e-02,  7.76367188e-02,  1.99218750e-01,  3.22265625e-01,
         1.24023438e-01,  3.19824219e-02, -6.15234375e-02, -9.86328125e-02,
        -1.20117188e-01,  2.40234375e-01, -3.02734375e-01, -7.17773438e-02,
        -1.33789062e-01,  1.02539062e-01, -3.29589844e-02, -2.05078125e-01,
         8.88671875e-02,  2.31933594e-02,  8.83789062e-02, -2.11914062e-01,
         2.12890625e-01,  1.98242188e-01,  7.12890625e-02, -7.12890625e-02,
        -1.82617188e-01, -2.17285156e-02, -1.47460938e-01, -7.42187500e-02,
        -2.17773438e-01, -1.43554688e-01, -1.03027344e-01,  1.47705078e-02,
        -2.71484375e-01,  6.88476562e-02, -1.25976562e-01,  2.26562500e-01,
         6.44531250e-02,  3.32031250e-02,  1.66992188e-01,  1.25000000e-01,
         1.85546875e-01, -6.88476562e-02,  2.35351562e-01, -1.39648438e-01,
         1.24511719e-01, -1.11816406e-01, -2.14843750e-02,  8.64257812e-02,
         2.87109375e-01, -5.56945801e-04,  4.16015625e-01,  1.04980469e-01,
        -9.03320312e-02, -2.73437500e-01,  1.73828125e-01, -2.38281250e-01,
        -2.89062500e-01,  8.98437500e-02,  1.34765625e-01, -8.59375000e-02,
         7.86132812e-02,  9.61914062e-02,  8.20312500e-02, -1.11816406e-01,
         3.06640625e-01, -1.00708008e-02,  1.15722656e-01, -3.61328125e-02,
         8.48388672e-03,  7.12890625e-02,  1.00097656e-02, -2.31933594e-02,
         1.59912109e-02, -3.12500000e-01,  5.63964844e-02, -4.17480469e-02,
        -1.40625000e-01,  5.07812500e-01, -3.02734375e-01,  2.27928162e-04,
        -8.10546875e-02,  7.76367188e-02, -9.76562500e-02,  4.71191406e-02,
        -2.30468750e-01, -2.53906250e-01,  2.36816406e-02,  4.00390625e-01,
         1.27929688e-01, -7.86132812e-02,  1.87500000e-01,  5.17578125e-02,
        -2.79541016e-02, -1.65039062e-01, -3.75976562e-02,  3.02734375e-01,
        -1.62109375e-01,  2.18750000e-01,  1.19140625e-01,  8.83789062e-02,
        -3.78906250e-01, -2.51953125e-01, -5.54199219e-02,  8.83789062e-02,
        -4.56542969e-02, -9.71679688e-02, -5.66406250e-02, -8.10546875e-02,
        -1.17675781e-01,  1.89453125e-01, -3.19824219e-02,  1.25000000e-01,
        -2.41210938e-01, -4.37500000e-01,  7.76367188e-02, -1.66015625e-0
1],
       dtype=float32),
 'significant': array([-3.32031250e-02, -3.88183594e-02, -1.49414062e-01,
1.09375000e-01,
        -1.08398438e-01, -2.23632812e-01, -3.06396484e-02, -2.31445312e-01,
         3.12500000e-01,  1.72851562e-01, -1.35742188e-01, -2.29492188e-01,
         2.35595703e-02,  1.24511719e-01, -1.20117188e-01, -1.66992188e-01,
         4.12597656e-02,  1.53808594e-02, -1.43554688e-01,  1.66992188e-01,
        -1.32812500e-01, -2.38037109e-02, -2.89062500e-01,  1.92871094e-02,
        -6.59179688e-02,  4.60815430e-03, -2.85156250e-01,  2.31933594e-02,
        -5.93261719e-02,  2.51464844e-02,  9.96093750e-02, -3.88183594e-02,
         1.75781250e-01, -4.71191406e-02,  3.49121094e-02, -1.38671875e-01,
        -7.81250000e-02,  1.06445312e-01,  2.18750000e-01, -4.10156250e-02,
         7.37304688e-02,  9.27734375e-02,  1.63085938e-01,  3.80859375e-02,
```

```
-6.39648438e-02, -4.44335938e-02,  1.45874023e-02, -2.30712891e-02,
-1.29882812e-01, -3.32031250e-01,  2.02148438e-01, -3.10058594e-02,
-2.43164062e-01, -1.23046875e-01, -1.17675781e-01, -7.03125000e-02,
 9.86328125e-02, -1.32812500e-01,  3.37890625e-01, -1.50390625e-01,
-3.39843750e-01,  4.00390625e-01, -2.09960938e-02,  4.27246094e-02,
 1.04492188e-01,  9.52148438e-02,  9.13085938e-02,  1.51367188e-01,
-2.12890625e-01,  4.58984375e-02, -7.81250000e-02, -6.88476562e-02,
 6.31713867e-03,  7.71484375e-02, -1.09863281e-01, -5.71289062e-02,
 2.13867188e-01,  2.89062500e-01,  1.28173828e-02,  2.70996094e-02,
-6.29882812e-02, -2.49023438e-02, -1.01074219e-01,  4.83398438e-02,
-1.57226562e-01, -3.86718750e-01, -7.37304688e-02,  1.46484375e-01,
-1.32812500e-01,  7.61718750e-02,  1.68945312e-01, -3.51562500e-01,
-1.95312500e-02, -8.42285156e-03, -2.07519531e-03, -3.29589844e-02,
-5.43212891e-03,  1.16210938e-01, -8.20312500e-02,  1.11694336e-02,
 4.51660156e-02,  6.78710938e-02, -3.83300781e-02, -1.98242188e-01,
-3.22265625e-02, -1.33789062e-01,  2.53906250e-01, -5.64575195e-04,
 2.91015625e-01, -1.90429688e-01, -1.35498047e-02, -1.03515625e-01,
-6.64062500e-02,  6.05468750e-02,  1.77734375e-01, -5.02929688e-02,
 1.60156250e-01, -5.00488281e-02,  3.85742188e-02,  5.83496094e-02,
 3.85742188e-02,  6.39648438e-02, -5.59082031e-02,  1.39648438e-01,
-6.83593750e-02,  1.10839844e-01,  6.98242188e-02,  5.46875000e-02,
-2.28515625e-01,  3.06640625e-01,  7.95898438e-02,  5.93261719e-02,
-1.52343750e-01,  7.91015625e-02,  3.12500000e-01, -1.97265625e-01,
 6.29882812e-02,  1.19140625e-01, -2.33154297e-02,  2.98828125e-01,
-1.72851562e-01, -5.63964844e-02,  1.37695312e-01,  1.44531250e-01,
-1.00585938e-01, -7.81250000e-02,  1.85546875e-01,  2.08984375e-01,
-5.78613281e-02, -6.17675781e-02,  4.24804688e-02, -1.45507812e-01,
 9.86328125e-02,  1.30859375e-01, -8.10546875e-02, -2.65502930e-03,
-4.22363281e-02,  9.76562500e-02, -1.27929688e-01,  3.49121094e-02,
-6.54296875e-02,  1.47460938e-01,  3.46679688e-02, -8.00781250e-02,
 2.89062500e-01, -4.68750000e-02, -6.95800781e-03, -1.15234375e-01,
 1.93359375e-01, -7.66601562e-02,  1.67968750e-01, -4.32128906e-02,
 8.54492188e-02, -2.77343750e-01,  2.20703125e-01, -1.62109375e-01,
 4.22363281e-02,  3.34472656e-02, -1.47705078e-02, -5.02929688e-02,
-7.86132812e-02, -5.07812500e-02, -4.56542969e-02, -1.37939453e-02,
-1.14257812e-01,  1.32812500e-01,  9.94873047e-03,  1.23046875e-01,
-4.39453125e-02,  1.20605469e-01, -8.44726562e-02, -6.54296875e-02,
 5.49316406e-02, -1.60156250e-01, -9.32617188e-02, -1.72119141e-02,
-1.27929688e-01, -1.71875000e-01, -4.15039062e-02, -1.55273438e-01,
-1.33514404e-04,  2.42187500e-01,  1.62109375e-01, -1.06933594e-01,
 6.93359375e-02,  1.08398438e-01, -8.20312500e-02,  6.73828125e-02,
 9.76562500e-03, -4.79125977e-03, -1.86523438e-01,  1.52343750e-01,
-2.21679688e-01,  1.49414062e-01, -4.46777344e-02,  4.44335938e-02,
 2.44140625e-01, -1.78710938e-01,  2.47070312e-01,  7.51953125e-02,
 4.73632812e-02,  1.25000000e-01, -1.75781250e-01, -1.25000000e-01,
-7.91015625e-02,  1.55029297e-02,  1.14257812e-01, -8.44726562e-02,
-3.36914062e-02, -4.41894531e-02, -1.24023438e-01,  2.63671875e-01,
 6.22558594e-02,  2.47802734e-02, -9.08203125e-02, -1.00585938e-01,
-1.24023438e-01, -7.37304688e-02,  3.01513672e-02, -4.49218750e-02,
-1.83593750e-01, -2.53906250e-02,  2.23632812e-01, -5.93261719e-02,
-7.81250000e-03, -2.40234375e-01,  8.00781250e-02,  6.29882812e-02,
 4.37011719e-02, -1.58203125e-01,  1.80664062e-01,  1.65039062e-01,
-1.38671875e-01, -9.96093750e-02,  1.42578125e-01, -8.49609375e-02,
 7.22656250e-02,  1.81640625e-01, -2.83203125e-01, -9.76562500e-03,
 9.17968750e-02, -3.02734375e-01, -1.11816406e-01,  1.32812500e-01,
 2.83203125e-02, -4.10079956e-04, -3.36914062e-02,  5.59082031e-02,
-7.08007812e-02, -1.16577148e-02,  1.39648438e-01,  2.23632812e-01,
 2.51464844e-02, -9.03320312e-02, -1.37695312e-01, -1.17675781e-01,
-7.61718750e-02, -1.48437500e-01, -3.73535156e-02, -6.15234375e-02,
-1.67968750e-01,  1.86523438e-01, -1.61677599e-06, -3.51562500e-02,
-5.73730469e-02,  5.95703125e-02, -1.12915039e-02, -7.32421875e-02,
-1.91406250e-01, -1.54296875e-01, -4.37011719e-02, -5.90820312e-02,
 1.17675781e-01,  4.66308594e-02, -3.03955078e-02,  1.69921875e-01,
-8.12530518e-04, -4.58984375e-02,  6.07910156e-02, -1.11816406e-0
```

```
1],
       dtype=float32),
 'risk': array([-6.39648438e-02,  5.88378906e-02,  8.69140625e-02,  3.20312
500e-01,
        -1.29882812e-01,  7.22656250e-02,  1.76757812e-01,  2.16796875e-01,
         2.87109375e-01, -1.69677734e-02, -1.07421875e-01, -5.00000000e-01,
         5.12695312e-02,  6.49414062e-02, -3.37890625e-01,  1.01074219e-01,
        -3.80859375e-01,  4.32128906e-02, -4.40597534e-04, -2.44140625e-01,
         1.37695312e-01, -4.82421875e-01, -2.10937500e-01,  2.18750000e-01,
         1.04003906e-01,  2.12890625e-01, -2.39257812e-02,  1.30859375e-01,
        -1.92382812e-01, -2.03857422e-02,  2.22656250e-01,  3.17382812e-02,
         8.78906250e-02, -1.45507812e-01, -8.54492188e-02, -1.00097656e-01,
         2.39257812e-01, -6.39648438e-02, -1.30859375e-01, -5.85937500e-02,
         7.08007812e-02,  2.23388672e-02, -5.02929688e-02, -7.66601562e-02,
        -9.71679688e-02, -1.87500000e-01, -2.86865234e-02,  1.19628906e-01,
         6.05468750e-02,  1.71875000e-01, -2.06054688e-01,  5.15747070e-03,
        -1.92382812e-01, -6.64062500e-02, -5.98144531e-02, -1.26953125e-01,
         2.28515625e-01, -9.57031250e-02, -1.52343750e-01,  1.68609619e-03,
        -6.98242188e-02, -1.64062500e-01, -1.08886719e-01,  1.86523438e-01,
         1.11083984e-02, -1.55273438e-01,  1.26953125e-01,  1.63085938e-01,
        -1.72851562e-01, -2.35351562e-01, -9.39941406e-03, -1.37695312e-01,
         3.28125000e-01, -7.51953125e-02, -3.30078125e-01, -5.85937500e-02,
         2.44140625e-01,  1.56250000e-01,  1.72851562e-01,  4.45312500e-01,
         5.63964844e-02,  6.54296875e-02,  6.15234375e-02,  1.24511719e-01,
        -4.90722656e-02,  6.34765625e-02, -9.66796875e-02,  1.81640625e-01,
         5.00488281e-02, -3.95507812e-02,  2.71484375e-01, -7.03125000e-02,
        -7.12890625e-02,  1.62109375e-01,  1.25000000e-01, -1.45507812e-01,
         1.69921875e-01, -5.22460938e-02,  3.30078125e-01, -4.37011719e-02,
         1.02050781e-01, -1.16699219e-01, -1.51367188e-01,  3.66210938e-02,
         2.91442871e-03, -1.58203125e-01, -6.68945312e-02, -2.28515625e-01,
         2.61718750e-01,  9.96093750e-02, -5.71289062e-02,  5.22460938e-02,
        -8.10546875e-02, -4.37011719e-02, -8.44726562e-02,  1.25000000e-01,
        -6.22558594e-02,  9.61914062e-02,  3.93066406e-02,  1.46484375e-01,
        -3.00781250e-01,  6.64062500e-02, -3.88671875e-01,  2.43164062e-01,
         6.39648438e-02, -2.28271484e-02,  1.31835938e-01,  4.63867188e-02,
         1.33789062e-01,  1.19140625e-01,  3.66210938e-02, -5.98144531e-02,
        -8.54492188e-02, -1.45507812e-01, -8.69140625e-02, -2.57812500e-01,
         1.53320312e-01,  1.79687500e-01, -6.29882812e-02,  2.51953125e-01,
        -7.86132812e-02, -8.88671875e-02,  2.29492188e-01, -7.12890625e-02,
        -6.88476562e-02, -7.86132812e-02,  1.44531250e-01, -2.68554688e-02,
        -1.25976562e-01, -1.76757812e-01, -1.17187500e-01, -1.00585938e-01,
         1.15234375e-01,  1.27929688e-01, -1.65039062e-01, -5.71289062e-02,
        -2.13623047e-02, -6.83593750e-02, -9.52148438e-02, -2.77343750e-01,
        -6.86645508e-03,  2.98828125e-01,  1.08886719e-01,  2.08007812e-01,
         1.05468750e-01,  9.08203125e-02, -1.38671875e-01,  3.58886719e-02,
        -2.21679688e-01,  1.36718750e-01, -4.54101562e-02, -1.71875000e-01,
        -3.10546875e-01,  7.42187500e-02,  1.31835938e-01, -1.27929688e-01,
         1.78710938e-01, -2.16064453e-02, -5.61523438e-02,  2.87109375e-01,
         1.18652344e-01, -2.85156250e-01, -3.22265625e-02, -4.27246094e-02,
        -1.71875000e-01,  1.61132812e-02,  1.25976562e-01,  9.91210938e-02,
        -5.93261719e-02,  4.56542969e-02, -2.16484070e-04, -1.00097656e-01,
        -2.08007812e-01, -1.01074219e-01, -3.49609375e-01,  9.52148438e-02,
        -2.88085938e-02,  9.52148438e-02,  2.05078125e-01, -4.49218750e-01,
         1.70898438e-02, -1.81884766e-02,  3.80859375e-02, -4.31640625e-01,
         5.12695312e-02,  3.61328125e-02, -2.30468750e-01, -5.00488281e-03,
        -2.05078125e-01, -2.92968750e-01, -8.59375000e-02, -3.19824219e-02,
        -1.94335938e-01,  5.63964844e-02, -2.25585938e-01, -2.38281250e-01,
        -3.24218750e-01, -1.83105469e-02, -2.22656250e-01,  1.08886719e-01,
        -8.25195312e-02, -5.98144531e-02,  1.34277344e-02, -8.59375000e-02,
         6.54296875e-02, -1.40625000e-01,  2.51953125e-01,  2.40478516e-02,
         1.58691406e-03,  1.12792969e-01, -8.59375000e-02, -2.89306641e-02,
         1.27929688e-01,  7.56835938e-02, -6.78710938e-02, -7.71484375e-02,
        -5.24902344e-02,  1.20605469e-01,  8.83789062e-02, -2.28515625e-01,
        -1.60156250e-01,  1.16210938e-01,  1.75781250e-01, -4.42504883e-03,
```

```
        -4.04357910e-04, -1.02050781e-01,  8.64257812e-02,  1.43554688e-01,
         1.98242188e-01, -1.27929688e-01, -4.68750000e-02, -1.08398438e-01,
        -1.70898438e-01, -4.10156250e-02,  3.44238281e-02, -4.90722656e-02,
         1.88476562e-01,  1.11328125e-01,  2.30712891e-02,  1.83593750e-01,
        -1.54296875e-01,  1.05957031e-01,  5.83496094e-02, -7.93457031e-03,
        -1.47460938e-01,  3.78417969e-02, -1.57226562e-01, -1.93359375e-01,
        -1.22558594e-01, -3.41796875e-01, -1.00097656e-01,  3.69140625e-01,
         1.09863281e-01, -7.51953125e-02,  9.58251953e-03,  5.61523438e-03,
         1.20117188e-01,  1.27929688e-01,  1.94335938e-01, -1.80664062e-02,
         1.15234375e-01,  1.77734375e-01,  6.54296875e-02, -1.74804688e-01,
        -4.10156250e-01,  9.13085938e-02, -5.61523438e-02,  2.24609375e-01,
        -2.05078125e-01, -1.83593750e-01, -3.39355469e-02,  1.66992188e-01,
         3.51562500e-02, -1.06445312e-01, -1.99218750e-01,  3.51562500e-01,
        -5.32226562e-02,  3.54003906e-03, -1.08032227e-02, -3.44238281e-0
2],
       dtype=float32),
 'safety': array([-0.20410156, -0.05273438,  0.37109375, -0.13867188, -0.15
917969,
        -0.17382812, -0.06835938, -0.15234375,  0.2734375 ,  0.21191406,
        -0.03759766, -0.23535156,  0.25      ,  0.02880859, -0.27929688,
        -0.04101562, -0.00296021, -0.13671875, -0.09082031,  0.06933594,
         0.35742188, -0.04907227, -0.28320312,  0.4765625 , -0.12402344,
         0.10449219, -0.12695312, -0.02441406,  0.09716797, -0.19726562,
        -0.01672363, -0.08886719, -0.04467773, -0.2421875 ,  0.14257812,
        -0.23730469,  0.13476562,  0.09619141,  0.04467773, -0.17382812,
        -0.20703125, -0.19335938, -0.08789062,  0.09960938, -0.38867188,
        -0.07275391,  0.05957031,  0.31054688,  0.3125    , -0.15820312,
        -0.09960938,  0.17285156,  0.11230469, -0.06933594,  0.09716797,
         0.01544189, -0.02929688,  0.24023438, -0.09960938, -0.234375  ,
        -0.2734375 ,  0.125     , -0.03466797, -0.265625  ,  0.03125   ,
        -0.03955078, -0.20507812,  0.15625   , -0.04882812, -0.11083984,
        -0.00485229, -0.05810547,  0.04858398, -0.10644531, -0.4375    ,
        -0.01660156, -0.15332031, -0.03979492,  0.21582031,  0.3046875 ,
         0.15332031,  0.05639648,  0.08105469, -0.18945312, -0.02502441,
         0.07421875, -0.08691406, -0.09570312, -0.36132812,  0.01245117,
         0.37890625, -0.07373047, -0.12011719, -0.06176758,  0.14941406,
        -0.03808594,  0.05419922, -0.10058594,  0.02758789,  0.0559082 ,
         0.17871094, -0.08886719,  0.21484375,  0.01831055,  0.18652344,
        -0.04272461, -0.09472656, -0.03564453, -0.21191406,  0.16601562,
        -0.07373047,  0.25195312, -0.02746582, -0.06640625, -0.08154297,
         0.12597656, -0.02111816,  0.22460938, -0.22070312,  0.20117188,
        -0.33398438,  0.10302734, -0.296875  ,  0.16601562,  0.2265625 ,
         0.02099609,  0.00778198, -0.22753906,  0.11572266, -0.08056641,
        -0.05737305,  0.20800781, -0.33007812, -0.11669922, -0.08886719,
        -0.15625   ,  0.12988281,  0.02087402,  0.12353516,  0.23046875,
         0.19628906,  0.10595703,  0.10888672,  0.06542969, -0.16503906,
        -0.14257812,  0.08300781,  0.02600098,  0.06445312, -0.07080078,
        -0.16308594, -0.22753906,  0.08789062,  0.04833984, -0.31054688,
         0.02856445, -0.06079102, -0.02612305, -0.14453125, -0.31640625,
        -0.09570312,  0.11279297, -0.01013184,  0.27929688, -0.18359375,
        -0.03710938, -0.27539062,  0.13769531,  0.04980469, -0.22265625,
         0.05273438, -0.06591797, -0.10595703,  0.02209473,  0.08251953,
         0.02868652,  0.08203125,  0.13867188, -0.2578125 ,  0.00720215,
        -0.0703125 ,  0.04931641,  0.16113281, -0.08447266,  0.14648438,
        -0.23535156, -0.171875  , -0.30664062,  0.13476562,  0.02734375,
        -0.08935547,  0.09521484, -0.06445312, -0.02807617, -0.20410156,
        -0.05029297,  0.18359375, -0.0189209 , -0.13476562,  0.07470703,
        -0.01550293, -0.09912109,  0.15625   , -0.16894531, -0.06933594,
        -0.20898438, -0.04760742, -0.18066406, -0.06396484,  0.07177734,
        -0.01855469, -0.03295898,  0.16210938,  0.10449219,  0.11865234,
        -0.05200195,  0.20996094, -0.04980469, -0.27734375, -0.00151062,
        -0.29882812, -0.22753906,  0.15429688, -0.05297852,  0.10302734,
        -0.29101562,  0.13574219, -0.03955078,  0.09082031, -0.21582031,
         0.13769531,  0.24804688,  0.15625   , -0.12402344,  0.04736328,
```

```
         0.03393555,  0.2890625 , -0.15039062, -0.01025391, -0.1796875 ,
        -0.10009766, -0.00576782, -0.07421875, -0.00976562, -0.00933838,
         0.02038574, -0.17871094, -0.40625   , -0.125     , -0.29882812,
        -0.13574219, -0.08642578,  0.11767578, -0.09814453,  0.04980469,
        -0.23242188,  0.17480469, -0.00720215,  0.00312805,  0.25      ,
         0.09326172, -0.01733398, -0.01647949,  0.0859375 , -0.08789062,
         0.09277344,  0.0480957 , -0.04858398, -0.39453125, -0.11181641,
         0.0324707 ,  0.12011719, -0.06347656,  0.10205078, -0.09570312,
        -0.10791016,  0.06787109, -0.40039062,  0.00970459, -0.05249023,
        -0.00075531,  0.01867676,  0.33007812, -0.04467773, -0.27539062,
        -0.07177734, -0.34179688, -0.00518799,  0.2734375 , -0.12890625,
        -0.08935547, -0.12158203, -0.15234375,  0.22949219, -0.01196289,
         0.08203125,  0.05053711, -0.18554688, -0.05029297, -0.2734375 ],
       dtype=float32),
 'others': array([ 0.14453125,  0.06640625,  0.02990723,  0.19238281, -0.01
519775,
         0.04541016, -0.05175781,  0.07080078, -0.09814453,  0.0006485 ,
        -0.03393555, -0.08154297, -0.08789062,  0.07470703, -0.18164062,
        -0.04003906,  0.08544922,  0.00074005, -0.06445312,  0.18652344,
         0.00085068,  0.03027344, -0.05810547, -0.03198242,  0.08154297,
        -0.1875    , -0.23046875, -0.1015625 , -0.05541992, -0.12597656,
        -0.01507568,  0.05712891, -0.13476562,  0.04370117,  0.05737305,
         0.05615234,  0.11474609, -0.05395508, -0.02502441,  0.01696777,
         0.15429688,  0.04882812,  0.04345703, -0.08886719,  0.03393555,
         0.04663086, -0.12304688,  0.00878906,  0.0859375 , -0.11962891,
         0.02416992,  0.08789062,  0.07421875,  0.10595703,  0.07958984,
         0.11621094, -0.06494141,  0.00534058, -0.03686523,  0.02355957,
         0.19238281,  0.17285156, -0.16503906, -0.02429199,  0.02954102,
         0.04345703,  0.06298828,  0.08105469, -0.00055313,  0.01306152,
        -0.06640625,  0.078125  ,  0.18359375,  0.00415039, -0.09521484,
        -0.22167969, -0.09423828,  0.02392578,  0.01135254,  0.05371094,
        -0.0324707 ,  0.08007812, -0.07324219, -0.08984375, -0.09375   ,
        -0.06201172, -0.00527954,  0.09277344, -0.11669922, -0.07568359,
         0.1328125 ,  0.05493164,  0.0112915 , -0.05078125,  0.203125  ,
        -0.0390625 ,  0.10400391,  0.02392578,  0.06201172, -0.17480469,
        -0.05493164, -0.12304688,  0.11083984,  0.00610352, -0.06738281,
         0.09082031,  0.00466919,  0.02404785,  0.3515625 , -0.0213623 ,
        -0.17382812,  0.16308594, -0.02111816, -0.06835938,  0.00205994,
        -0.04394531,  0.08251953, -0.10986328,  0.06396484,  0.09814453,
        -0.18457031,  0.18945312, -0.12792969, -0.03808594, -0.04516602,
        -0.12207031,  0.09179688,  0.01745605, -0.01208496,  0.22363281,
        -0.171875  , -0.09277344, -0.08837891, -0.08496094, -0.0189209 ,
        -0.06542969,  0.03759766, -0.12792969,  0.10986328, -0.00408936,
         0.0859375 , -0.07714844,  0.04345703, -0.08105469,  0.25195312,
         0.05761719, -0.03149414, -0.08935547, -0.0168457 , -0.06396484,
         0.03442383,  0.05053711, -0.13671875,  0.06298828,  0.05639648,
        -0.02966309, -0.06347656, -0.1484375 , -0.11230469,  0.07128906,
         0.08251953,  0.10595703, -0.12060547,  0.18945312, -0.09326172,
        -0.00509644,  0.16015625,  0.20507812, -0.01153564, -0.0123291 ,
        -0.06030273,  0.05883789, -0.09521484, -0.09423828,  0.00195312,
         0.00189209,  0.01306152, -0.08203125, -0.02587891, -0.09423828,
        -0.00915527,  0.04882812, -0.01843262, -0.00146484,  0.09423828,
         0.01147461,  0.10742188,  0.1015625 ,  0.06738281,  0.09277344,
        -0.04394531, -0.01068115,  0.06201172, -0.03369141, -0.01733398,
         0.02526855, -0.12011719, -0.01452637, -0.10302734, -0.03735352,
         0.07617188, -0.00081635,  0.03063965,  0.03759766, -0.07421875,
        -0.15136719, -0.04760742, -0.08544922, -0.13769531, -0.02722168,
         0.05712891, -0.2578125 , -0.06103516,  0.27148438, -0.19335938,
        -0.08300781, -0.06005859,  0.08056641, -0.06494141,  0.01531982,
         0.10595703, -0.15039062,  0.0456543 , -0.05883789,  0.04663086,
        -0.18554688,  0.00094223,  0.07666016,  0.13769531, -0.00683594,
        -0.07958984,  0.11474609,  0.01525879,  0.17675781,  0.12109375,
        -0.25      ,  0.18847656, -0.00136566, -0.03417969, -0.05541992,
         0.01269531, -0.08154297, -0.11181641, -0.13574219, -0.08056641,
```

```
         0.17773438,  0.01599121,  0.05273438, -0.01263428,  0.04663086,
        -0.02404785,  0.20019531, -0.01647949, -0.11865234, -0.00952148,
        -0.19726562,  0.12158203,  0.25      ,  0.08105469,  0.01867676,
        -0.13671875, -0.16113281, -0.0612793 ,  0.09863281,  0.13671875,
         0.21875   , -0.00430298,  0.1328125 , -0.10107422,  0.12988281,
         0.07421875, -0.01965332, -0.00723267,  0.04003906, -0.05932617,
         0.04541016, -0.08642578, -0.03881836,  0.03759766, -0.04760742,
         0.05517578, -0.01782227, -0.0255127 , -0.00579834, -0.11181641,
         0.04785156, -0.0859375 , -0.04785156,  0.15625   ,  0.10302734,
         0.03808594, -0.02441406, -0.10351562, -0.10351562,  0.00964355,
         0.05493164,  0.09179688,  0.05371094,  0.05175781, -0.01531982],
       dtype=float32),
 'listed': array([-0.13085938, -0.17773438, -0.0300293 , -0.23535156,  0.06
298828,
        -0.29882812,  0.08447266, -0.07177734,  0.24511719, -0.05151367,
        -0.07861328, -0.06494141,  0.02844238,  0.18359375, -0.04931641,
         0.08496094, -0.04199219, -0.07226562, -0.2578125 ,  0.22265625,
        -0.08740234,  0.00717163, -0.26757812,  0.16894531, -0.26757812,
        -0.01757812, -0.08300781,  0.26757812, -0.01953125, -0.13867188,
         0.0324707 ,  0.0071106 ,  0.01721191, -0.17578125, -0.17871094,
         0.03039551,  0.18359375,  0.14453125,  0.06933594, -0.125     ,
         0.0177002 , -0.10205078, -0.12304688, -0.01623535,  0.19921875,
        -0.04125977,  0.08984375, -0.02148438, -0.20800781, -0.12695312,
         0.01177979,  0.12402344, -0.13867188, -0.22558594, -0.06396484,
         0.08447266, -0.04174805,  0.03393555,  0.07714844,  0.46875   ,
        -0.00445557, -0.01269531, -0.04931641, -0.04614258, -0.16992188,
        -0.00534058, -0.01904297,  0.00473022, -0.11328125, -0.06079102,
         0.2265625 ,  0.09423828,  0.10644531,  0.14355469,  0.10888672,
        -0.02380371,  0.07714844,  0.18457031,  0.06030273,  0.00436401,
        -0.04516602, -0.4296875 ,  0.08203125,  0.08691406, -0.01660156,
         0.09277344,  0.01397705, -0.04174805, -0.09619141, -0.1875    ,
         0.33984375, -0.0390625 ,  0.04492188, -0.03369141,  0.27929688,
         0.16503906,  0.07177734,  0.01495361, -0.25976562, -0.09716797,
         0.02172852,  0.16992188,  0.05517578,  0.02185059,  0.17773438,
        -0.06835938, -0.02770996,  0.10644531,  0.05297852,  0.2734375 ,
         0.1328125 , -0.19921875, -0.15722656, -0.11328125, -0.22167969,
        -0.11279297,  0.03564453, -0.08300781,  0.24511719,  0.19042969,
        -0.05639648,  0.15234375,  0.01312256,  0.22949219, -0.17773438,
        -0.09472656,  0.01025391, -0.25      , -0.09179688,  0.09179688,
         0.12451172, -0.14257812,  0.046875  ,  0.01635742, -0.39648438,
        -0.38476562, -0.296875  , -0.01928711,  0.04248047,  0.06103516,
        -0.04223633,  0.13183594,  0.18261719, -0.16210938,  0.16894531,
        -0.10839844,  0.05322266, -0.20410156, -0.02624512,  0.12353516,
         0.12158203,  0.05249023, -0.06787109,  0.25195312, -0.07519531,
        -0.04321289,  0.07519531, -0.04003906,  0.13085938,  0.01062012,
         0.09033203,  0.33203125,  0.09375   ,  0.07763672,  0.10400391,
        -0.18359375, -0.06640625, -0.0189209 , -0.13964844, -0.23535156,
        -0.28125   , -0.10693359,  0.18652344, -0.14550781, -0.20214844,
        -0.04443359,  0.0625    , -0.20898438, -0.10351562, -0.10693359,
         0.01086426, -0.02856445, -0.16015625,  0.13671875,  0.24804688,
         0.12060547, -0.33789062,  0.26757812, -0.06689453, -0.05322266,
        -0.10888672, -0.33007812, -0.30273438,  0.0009346 , -0.21191406,
         0.52734375, -0.04858398, -0.05615234,  0.08691406, -0.43164062,
         0.21679688,  0.15527344,  0.03637695,  0.02099609, -0.30078125,
        -0.02941895, -0.00238037, -0.07470703,  0.0703125 ,  0.0189209 ,
         0.01525879,  0.06494141,  0.02954102, -0.11865234, -0.11962891,
         0.234375  ,  0.07373047, -0.02050781,  0.11230469, -0.22070312,
         0.14550781,  0.18359375, -0.26757812, -0.09228516,  0.296875  ,
         0.01202393, -0.05249023, -0.01330566, -0.2734375 , -0.09521484,
        -0.10644531,  0.04541016,  0.14550781,  0.2265625 ,  0.09814453,
        -0.08886719,  0.34375   , -0.12207031, -0.01843262, -0.265625  ,
        -0.06542969,  0.19238281, -0.33203125, -0.03015137,  0.14941406,
         0.11181641, -0.09228516,  0.14746094,  0.14453125, -0.13085938,
        -0.23730469,  0.07324219, -0.06982422,  0.03173828,  0.03881836,
```

```
        -0.05078125, -0.3046875 ,  0.16894531, -0.03039551, -0.03369141,
         0.16699219, -0.21289062,  0.16113281, -0.27148438,  0.28515625,
         0.29296875,  0.11376953,  0.11230469, -0.04101562, -0.22167969,
        -0.05419922, -0.12597656,  0.18066406, -0.08984375,  0.13867188,
        -0.14453125, -0.30078125, -0.29882812, -0.1328125 ,  0.23046875,
        -0.1015625 ,  0.15917969, -0.15332031,  0.05541992, -0.06005859,
        -0.12890625, -0.32226562,  0.16308594, -0.04248047, -0.09472656,
        -0.00830078, -0.20898438, -0.35742188,  0.1328125 ,  0.3046875 ,
        -0.09570312,  0.09863281,  0.01586914,  0.18945312, -0.1640625 ],
       dtype=float32),
 'document': array([ 3.93066406e-02,  1.45263672e-02,  6.29882812e-02, -1.0
1928711e-02,
         1.37939453e-02,  2.04101562e-01,  3.36914062e-02,  7.17773438e-02,
         1.30859375e-01, -1.27929688e-01,  4.00390625e-02, -6.25000000e-02,
        -1.54296875e-01,  8.74023438e-02, -7.91015625e-02, -2.22167969e-02,
         7.86132812e-02,  6.59179688e-02, -3.46679688e-02, -2.69531250e-01,
         1.97265625e-01, -1.12915039e-02, -2.25585938e-01, -1.23046875e-01,
        -9.86328125e-02,  1.10351562e-01,  4.63867188e-03,  1.77734375e-01,
         6.83593750e-02, -1.37695312e-01, -5.12695312e-02, -2.98828125e-01,
        -7.51953125e-02,  9.96093750e-02, -6.19506836e-03, -7.42187500e-02,
         2.19726562e-01,  1.76757812e-01,  5.32226562e-02, -8.54492188e-02,
         7.03125000e-02,  2.46093750e-01,  8.59375000e-02,  3.18359375e-01,
         1.64794922e-02, -1.46484375e-01, -8.20312500e-02,  6.34765625e-02,
        -3.24218750e-01,  1.46484375e-01, -3.73535156e-02, -1.29882812e-01,
        -1.24023438e-01, -2.27539062e-01, -9.13085938e-02,  8.30078125e-02,
         3.93066406e-02, -2.53906250e-01,  8.34960938e-02,  5.10253906e-02,
         4.93164062e-02,  2.18750000e-01, -1.21582031e-01,  2.36328125e-01,
        -1.45507812e-01,  9.76562500e-02, -1.65039062e-01,  5.17578125e-02,
         9.57031250e-02, -8.93554688e-02, -2.67333984e-02,  4.46777344e-02,
         1.24023438e-01,  4.32128906e-02,  8.00781250e-02,  3.63769531e-02,
         1.45507812e-01,  1.19140625e-01, -8.66699219e-03,  9.47265625e-02,
         1.66992188e-01, -1.22558594e-01, -3.49121094e-02, -1.51367188e-02,
         2.91015625e-01,  3.56445312e-02,  5.41992188e-02, -1.29882812e-01,
         2.63671875e-01, -6.98242188e-02,  1.55273438e-01, -1.03515625e-01,
         6.98242188e-02, -1.04492188e-01, -1.04980469e-01, -1.88476562e-01,
        -3.78417969e-02,  2.01416016e-03,  2.05078125e-01, -1.49414062e-01,
        -2.92968750e-01,  5.51757812e-02,  1.89208984e-02,  2.34375000e-02,
         4.71191406e-02,  1.95312500e-01, -6.68945312e-02, -1.60156250e-01,
        -2.89306641e-02, -2.63671875e-02, -9.91210938e-02, -1.54876709e-03,
        -1.74804688e-01,  9.96093750e-02,  9.03320312e-02,  2.55859375e-01,
        -2.05078125e-02, -1.96289062e-01,  2.75390625e-01,  3.90625000e-02,
        -1.94335938e-01, -1.13281250e-01, -7.91015625e-02, -3.50952148e-03,
         1.90429688e-01, -8.34960938e-02,  9.64355469e-03, -2.87109375e-01,
         6.88476562e-02,  1.61132812e-01,  1.79443359e-02,  1.16699219e-01,
        -4.24804688e-02, -6.59179688e-02,  1.85546875e-01, -1.16699219e-01,
        -1.36718750e-01,  1.77001953e-02, -1.23535156e-01,  6.59179688e-03,
         9.96093750e-02,  7.71484375e-02,  1.25000000e-01,  2.40478516e-02,
        -1.02539062e-01,  1.53350830e-03,  1.84326172e-02,  1.82617188e-01,
        -1.66992188e-01,  8.69140625e-02,  1.29882812e-01,  2.00195312e-01,
        -5.83496094e-02,  1.74804688e-01,  3.26171875e-01, -7.51953125e-02,
        -1.87500000e-01,  3.46679688e-02, -2.07031250e-01,  1.50390625e-01,
        -4.79125977e-03,  1.25000000e-01, -2.62451172e-02,  1.04980469e-01,
        -7.76367188e-02,  1.56250000e-01,  1.13281250e-01, -8.85009766e-04,
        -1.75781250e-01, -1.21093750e-01, -3.24707031e-02,  2.41088867e-03,
        -1.39648438e-01, -1.07421875e-01,  3.47656250e-01, -1.90429688e-01,
         1.28906250e-01, -2.70996094e-02, -9.61914062e-02, -3.47656250e-01,
        -2.40234375e-01, -2.53906250e-01, -1.79687500e-01, -2.10937500e-01,
        -2.75878906e-02,  1.36718750e-01, -1.33789062e-01,  2.02148438e-01,
        -2.08984375e-01,  2.57812500e-01,  2.17773438e-01, -1.42578125e-01,
         3.24707031e-02, -4.90722656e-02, -3.71093750e-02, -1.05468750e-01,
        -5.17578125e-02,  3.51562500e-02,  8.39843750e-02, -1.63085938e-01,
         2.11914062e-01, -3.51562500e-02, -2.53906250e-02,  1.83593750e-01,
         2.20947266e-02,  2.16796875e-01,  1.61132812e-01,  1.56250000e-01,
         2.77343750e-01, -6.78710938e-02,  1.08886719e-01,  5.90820312e-02,
```

```
         1.22558594e-01,  3.54003906e-02, -1.12792969e-01,  1.20605469e-01,
         1.21582031e-01,  1.67968750e-01,  2.53295898e-03,  7.51953125e-02,
        -2.60009766e-02,  5.05371094e-02, -3.11279297e-03, -4.54101562e-02,
        -5.92041016e-03, -1.92382812e-01,  1.92382812e-01,  4.17968750e-01,
         1.39648438e-01, -3.11279297e-02,  8.20312500e-02,  1.68457031e-02,
        -5.95703125e-02, -3.37890625e-01, -1.50390625e-01,  1.25885010e-04,
         2.34375000e-01,  1.60156250e-01,  2.06054688e-01, -1.95312500e-01,
         7.56835938e-02, -1.66992188e-01,  1.90429688e-02, -1.19140625e-01,
         5.49316406e-02, -8.69140625e-02, -5.37109375e-03,  5.24902344e-02,
         1.66015625e-01,  4.19921875e-01, -1.97753906e-02,  2.51953125e-01,
        -3.90625000e-01,  9.47265625e-02, -1.47094727e-02, -2.59765625e-01,
        -6.83593750e-02,  1.12304688e-01, -4.63867188e-03, -8.25195312e-02,
         1.22558594e-01,  8.44726562e-02, -1.01074219e-01, -2.44140625e-01,
         1.12792969e-01,  2.03125000e-01, -9.61914062e-02, -8.78906250e-02,
        -2.81250000e-01, -2.91015625e-01,  2.41210938e-01,  2.51953125e-01,
         2.73437500e-01,  1.50390625e-01, -8.54492188e-02, -1.27929688e-01,
         8.85009766e-03, -6.12792969e-02,  4.07714844e-02, -8.34960938e-02,
         6.44531250e-02,  1.38671875e-01, -1.26953125e-01,  2.71484375e-01,
         1.25000000e-01, -1.04980469e-01,  1.84570312e-01,  1.99218750e-01,
        -5.95703125e-02,  2.38281250e-01,  4.07714844e-02, -2.53906250e-01,
        -1.13281250e-01, -7.35473633e-03, -3.24218750e-01,  1.54296875e-01,
        -3.75976562e-02, -2.43164062e-01, -4.93164062e-02,  5.85937500e-0
2],
       dtype=float32),
 'employment': array([-0.01672363, -0.11767578, -0.06445312, -0.13769531,
0.20996094,
        -0.16992188, -0.08789062, -0.07177734, -0.06079102,  0.06689453,
         0.22949219,  0.33398438, -0.20019531,  0.04492188, -0.22167969,
         0.11914062,  0.20507812,  0.29492188,  0.22949219, -0.33007812,
        -0.23828125, -0.0625    , -0.00085449,  0.06738281, -0.18945312,
        -0.09863281, -0.19433594,  0.18554688, -0.04614258,  0.21386719,
        -0.17578125, -0.5234375 , -0.09960938, -0.05688477, -0.20117188,
        -0.13769531,  0.19238281, -0.03710938, -0.21386719, -0.13769531,
        -0.16992188,  0.12255859,  0.20898438,  0.0456543 , -0.21875   ,
        -0.01647949,  0.03173828,  0.19042969, -0.25976562,  0.18652344,
         0.34765625, -0.296875  , -0.13574219,  0.11328125,  0.11523438,
        -0.39648438,  0.01831055,  0.04199219, -0.18652344, -0.26953125,
        -0.26367188,  0.06298828, -0.359375  , -0.12792969, -0.15917969,
         0.078125  , -0.13769531, -0.11083984,  0.265625  ,  0.13671875,
        -0.30273438, -0.07617188,  0.27539062,  0.11474609,  0.07324219,
        -0.13671875, -0.06689453,  0.16992188,  0.12890625,  0.04736328,
         0.06738281,  0.10205078, -0.21191406,  0.09082031,  0.10595703,
         0.109375  , -0.23925781,  0.13085938, -0.07714844, -0.40039062,
         0.10009766, -0.15234375, -0.10986328, -0.24609375,  0.07373047,
        -0.13671875,  0.42773438,  0.03442383,  0.3671875 , -0.32617188,
         0.09667969, -0.27539062,  0.01586914,  0.07861328,  0.12695312,
        -0.39648438, -0.07128906,  0.11914062, -0.01855469, -0.23339844,
        -0.08691406,  0.09130859, -0.13378906, -0.10742188, -0.05249023,
         0.05712891,  0.26171875, -0.06591797,  0.39453125,  0.09765625,
        -0.01831055,  0.46875   , -0.08349609, -0.07470703,  0.14257812,
        -0.03979492, -0.06933594, -0.09619141, -0.265625  ,  0.09912109,
         0.02368164, -0.11816406, -0.1640625 , -0.04418945, -0.01782227,
        -0.12792969, -0.28125   , -0.10009766,  0.24804688, -0.05957031,
         0.07275391,  0.05200195, -0.25195312,  0.16113281, -0.17382812,
        -0.02856445, -0.12011719,  0.31054688, -0.10498047,  0.20605469,
        -0.00302124,  0.07617188,  0.07910156,  0.24121094, -0.00205994,
         0.140625  , -0.11328125, -0.23046875,  0.11962891, -0.27539062,
         0.00686646, -0.04907227, -0.15917969, -0.04003906,  0.09716797,
        -0.05786133, -0.25390625, -0.12011719, -0.09619141, -0.01422119,
         0.17480469,  0.00081253, -0.03662109, -0.08203125,  0.20410156,
         0.09667969,  0.21972656,  0.02246094,  0.10058594, -0.20410156,
        -0.25585938, -0.26367188, -0.06640625, -0.24414062, -0.06347656,
         0.06005859, -0.26757812,  0.23046875,  0.24121094,  0.22753906,
        -0.11865234, -0.13769531, -0.11279297,  0.0057373 ,  0.1171875 ,
```

```
        -0.02453613, -0.15332031, -0.00637817,  0.09521484, -0.08886719,
        -0.12988281,  0.08398438,  0.02392578, -0.34960938, -0.25      ,
        -0.1796875 , -0.18359375,  0.01495361,  0.16503906,  0.0612793 ,
         0.1171875 , -0.04248047, -0.03295898,  0.04541016,  0.23535156,
         0.21386719,  0.18847656,  0.03637695, -0.17871094,  0.23730469,
         0.11376953, -0.03466797,  0.01391602, -0.07177734,  0.02416992,
        -0.27148438,  0.18945312,  0.09570312, -0.3046875 , -0.01171875,
         0.0177002 ,  0.04394531, -0.02563477, -0.14257812, -0.04321289,
         0.04736328,  0.25390625, -0.19726562,  0.10058594, -0.02990723,
         0.05786133,  0.10595703,  0.01019287, -0.22949219,  0.03759766,
        -0.06542969, -0.20703125,  0.01251221, -0.12304688, -0.22167969,
        -0.1796875 , -0.06396484, -0.13769531,  0.2734375 , -0.20605469,
         0.0324707 ,  0.21386719, -0.01818848, -0.03369141,  0.10986328,
         0.10546875, -0.00476074,  0.10839844,  0.28515625, -0.12353516,
         0.20800781, -0.02050781, -0.01251221, -0.10498047, -0.05615234,
        -0.03808594,  0.03271484,  0.21484375, -0.02185059, -0.07910156,
        -0.0612793 , -0.05932617, -0.00564575,  0.05126953,  0.21875   ,
        -0.2109375 , -0.21582031,  0.10449219,  0.23535156,  0.05297852,
        -0.08496094, -0.03442383, -0.02868652,  0.10058594,  0.03320312,
        -0.1015625 ,  0.16699219, -0.12353516,  0.01202393,  0.125     ,
         0.18457031,  0.07128906, -0.08789062, -0.03710938, -0.23535156],
       dtype=float32),
 'implied': array([-2.21679688e-01, -2.44140625e-01,  2.23632812e-01,  5.93
261719e-02,
         5.76171875e-02, -6.03027344e-02,  2.77343750e-01,  1.57226562e-01,
         4.47265625e-01,  1.75781250e-01, -6.73828125e-02, -8.88671875e-02,
        -1.18652344e-01, -2.90527344e-02, -2.85644531e-02,  4.52041626e-04,
        -1.00097656e-01,  1.68945312e-01,  7.42187500e-02, -1.38671875e-01,
        -4.73632812e-02,  1.01074219e-01,  3.83300781e-02,  5.22460938e-02,
        -6.49414062e-02, -1.73828125e-01, -1.80664062e-02,  4.02343750e-01,
         7.01904297e-03,  3.04687500e-01,  1.39770508e-02, -4.21875000e-01,
        -6.54296875e-02,  3.84765625e-01, -1.81640625e-01,  1.53320312e-01,
         1.24511719e-01,  9.27734375e-02, -1.66015625e-01, -3.67736816e-03,
         2.26562500e-01,  5.27343750e-02, -7.27539062e-02, -2.16796875e-01,
         9.57031250e-02, -2.81250000e-01, -8.69140625e-02,  4.71191406e-02,
        -1.40625000e-01,  5.61523438e-02, -3.12500000e-01,  2.06054688e-01,
        -2.83203125e-01,  9.27734375e-02, -7.51953125e-02,  3.33984375e-01,
         2.01171875e-01, -2.33398438e-01,  1.55273438e-01,  1.18164062e-01,
        -6.22558594e-03,  4.08203125e-01,  6.59179688e-02,  4.02832031e-03,
        -1.41601562e-01, -3.12500000e-02, -1.06445312e-01,  2.65625000e-01,
         8.49609375e-02,  2.89062500e-01, -1.30859375e-01,  6.88476562e-02,
         9.03320312e-03,  1.11816406e-01, -4.58984375e-02, -1.03027344e-01,
         1.87500000e-01,  1.15234375e-01,  2.71484375e-01,  1.95312500e-01,
        -1.42578125e-01,  1.27929688e-01, -2.29492188e-02,  2.17773438e-01,
         2.51953125e-01, -4.58984375e-02, -4.51660156e-02,  5.19531250e-01,
         5.41992188e-02,  6.64062500e-02,  9.76562500e-02, -7.22656250e-02,
        -7.51953125e-02,  6.05468750e-02,  5.46875000e-01,  1.04492188e-01,
         1.53320312e-01,  2.51953125e-01,  1.62109375e-01, -1.20605469e-01,
        -1.37329102e-02, -1.09863281e-01,  8.66699219e-03, -2.91748047e-02,
         7.42187500e-02, -1.35742188e-01,  3.88183594e-02, -1.89453125e-01,
        -1.10351562e-01, -2.51953125e-01, -3.08593750e-01, -9.47265625e-02,
         2.78320312e-02,  2.77343750e-01,  5.15136719e-02,  1.32812500e-01,
         2.53906250e-01, -1.16699219e-01,  1.03515625e-01,  2.37304688e-01,
        -5.34667969e-02,  1.49414062e-01, -1.00708008e-02, -4.85839844e-02,
        -1.35742188e-01,  2.07031250e-01, -1.98974609e-02,  1.61132812e-01,
         1.44531250e-01, -1.17675781e-01, -2.32421875e-01, -8.54492188e-02,
        -2.34375000e-01,  4.95605469e-02,  4.80957031e-02,  3.32031250e-02,
        -3.71093750e-02,  2.53906250e-01, -8.42285156e-03,  1.56250000e-01,
        -2.06298828e-02, -5.07812500e-02, -2.06054688e-01,  3.75976562e-02,
         1.30859375e-01, -3.07617188e-02, -1.25000000e-01, -1.15722656e-01,
        -6.02722168e-04, -2.47802734e-02,  3.49609375e-01,  1.08886719e-01,
         1.11328125e-01, -7.12890625e-02,  8.78906250e-02,  2.31445312e-01,
        -3.39843750e-01,  7.86132812e-02, -1.61132812e-01,  2.57812500e-01,
         9.42382812e-02,  1.66015625e-01,  1.99218750e-01,  1.44531250e-01,
```

```
        -2.55859375e-01,  2.85644531e-02,  1.33666992e-02, -2.51953125e-01,
        -1.38671875e-01, -7.66601562e-02, -1.84570312e-01, -5.49316406e-02,
        -4.02832031e-02, -3.57421875e-01,  1.01318359e-02, -1.41601562e-01,
         1.36718750e-01, -1.76757812e-01, -8.59375000e-02, -9.61914062e-02,
         1.15234375e-01,  7.81250000e-02, -3.83300781e-02,  4.95605469e-02,
         1.33789062e-01, -1.60156250e-01, -1.59912109e-02,  3.04687500e-01,
        -4.93164062e-02,  9.91210938e-02,  7.03125000e-02,  2.00195312e-01,
         1.94091797e-02,  6.78710938e-02,  8.00781250e-02,  1.09375000e-01,
        -1.66015625e-01,  1.01318359e-02,  3.94531250e-01, -2.00195312e-01,
        -3.58886719e-02, -2.03125000e-01, -5.18798828e-03,  3.07617188e-02,
         1.36108398e-02,  2.69531250e-01,  6.44531250e-02, -2.52685547e-02,
        -3.00781250e-01,  4.71191406e-02, -4.12597656e-02, -3.24218750e-01,
         2.00195312e-02,  1.13281250e-01, -1.17187500e-01, -3.20312500e-01,
        -3.56445312e-02,  1.97410583e-04,  2.26562500e-01,  3.46679688e-02,
         1.32812500e-01, -8.00781250e-02, -5.02929688e-02, -2.40234375e-01,
         7.32421875e-02, -8.30078125e-02,  2.71484375e-01,  1.57226562e-01,
         4.00390625e-01,  3.01513672e-02,  1.16699219e-01,  2.06054688e-01,
         1.25000000e-01,  7.12890625e-02,  2.01171875e-01,  2.71484375e-01,
         1.58203125e-01,  1.39617920e-03,  1.98974609e-02,  6.88476562e-02,
        -3.93066406e-02,  1.70898438e-02, -4.24804688e-02, -8.10546875e-02,
        -8.25195312e-02,  1.64062500e-01,  9.71679688e-02, -1.64062500e-01,
        -3.75976562e-02,  2.35351562e-01,  1.61132812e-01,  2.63671875e-01,
        -1.36718750e-01,  4.19921875e-02, -1.18652344e-01, -5.20019531e-02,
         1.43554688e-01, -2.63671875e-02,  3.33984375e-01,  5.85937500e-02,
        -1.89453125e-01,  4.85839844e-02, -1.20117188e-01,  9.52148438e-02,
        -3.71093750e-02,  6.98242188e-02,  2.28271484e-02, -4.25781250e-01,
         9.96093750e-02, -3.02124023e-03, -2.16796875e-01,  1.97753906e-02,
         1.50390625e-01, -4.56542969e-02,  3.39843750e-01,  3.58886719e-02,
        -2.01171875e-01, -1.14135742e-02,  1.52343750e-01,  2.57812500e-01,
        -2.79296875e-01,  2.60009766e-02, -2.51953125e-01,  3.11279297e-02,
        -1.60156250e-01, -8.15429688e-02,  2.18750000e-01, -8.05664062e-02,
         3.37219238e-03,  8.23974609e-03, -2.71484375e-01,  1.65039062e-01,
         1.46484375e-01, -1.87988281e-02,  2.16064453e-02, -2.38037109e-02,
        -8.88671875e-02, -1.09863281e-01, -1.43554688e-01, -3.55468750e-0
1],
       dtype=float32),
 'otherwise': array([ 6.71386719e-03, -1.15234375e-01, -2.73437500e-02,  2.
18750000e-01,
        -2.32421875e-01,  9.17968750e-02,  1.30859375e-01,  6.78710938e-02,
        -3.41796875e-02,  4.78515625e-02, -1.72851562e-01, -1.46484375e-01,
        -1.25000000e-01, -9.47265625e-02, -1.54418945e-02,  4.58984375e-02,
         1.39617920e-03,  3.16406250e-01,  6.17675781e-02, -1.44042969e-02,
         1.78710938e-01, -1.41601562e-01, -9.71679688e-02, -2.73437500e-01,
         2.24609375e-01, -2.00195312e-01, -3.88183594e-02,  1.48437500e-01,
        -1.43554688e-01,  1.01074219e-01, -5.63964844e-02, -1.85546875e-01,
         1.50390625e-01, -4.32128906e-02, -6.93359375e-02,  7.08007812e-02,
         4.24804688e-02, -5.95703125e-02,  3.05175781e-02, -6.34765625e-03,
         2.38281250e-01,  1.48437500e-01,  2.63671875e-01, -5.10253906e-02,
         1.89453125e-01, -6.20117188e-02, -4.66308594e-02,  1.48437500e-01,
         7.42187500e-02,  3.05175781e-02, -3.75976562e-02,  1.87500000e-01,
        -2.28271484e-02,  3.61328125e-02,  2.77099609e-02,  3.80859375e-02,
         2.03125000e-01, -3.32031250e-01,  1.21093750e-01, -1.77734375e-01,
        -1.16210938e-01, -1.20605469e-01, -1.78710938e-01, -1.09375000e-01,
        -3.63281250e-01, -2.36816406e-02, -3.24707031e-02,  2.53906250e-01,
        -1.66992188e-01,  3.34472656e-02,  4.27246094e-02,  7.22656250e-02,
        -1.44195557e-03, -6.00585938e-02, -6.59179688e-02, -3.10058594e-02,
        -4.17480469e-02,  7.91015625e-02,  9.86328125e-02, -6.49414062e-02,
         8.88671875e-02, -3.17382812e-02, -1.14746094e-01,  1.01562500e-01,
        -1.48437500e-01,  1.01562500e-01,  1.15722656e-01,  1.54296875e-01,
         8.64257812e-02, -2.51953125e-01,  1.08886719e-01,  1.67236328e-02,
         4.29687500e-02, -2.55859375e-01,  3.14453125e-01, -8.69140625e-02,
         9.13085938e-02,  3.61328125e-01, -1.08398438e-01, -2.90527344e-02,
         1.06933594e-01, -1.19628906e-02,  6.54296875e-02,  1.33789062e-01,
        -3.28125000e-01, -1.45507812e-01,  4.42504883e-03, -1.33789062e-01,
```

```
         7.27539062e-02,  3.07617188e-02, -2.00195312e-01,  5.71289062e-02,
         1.34765625e-01, -8.54492188e-02,  1.93359375e-01,  3.17382812e-02,
         7.76367188e-02, -9.96093750e-02,  1.94335938e-01,  1.51367188e-01,
         3.06701660e-03,  1.96533203e-02,  1.36718750e-01, -7.81250000e-02,
        -1.61132812e-02, -7.93457031e-03, -8.49609375e-02, -4.05273438e-02,
         3.00292969e-02, -1.41601562e-01,  2.42919922e-02, -1.41601562e-02,
        -1.08886719e-01,  1.68945312e-01,  5.22460938e-02, -9.61914062e-02,
         1.38282776e-04, -1.73828125e-01, -8.81195068e-04,  1.67968750e-01,
         2.02148438e-01, -2.33398438e-01,  4.63867188e-02,  2.34375000e-01,
         1.04492188e-01, -1.05957031e-01,  5.71289062e-02,  1.81579590e-03,
        -7.95898438e-02,  2.14843750e-01,  1.42578125e-01, -1.01074219e-01,
        -8.59375000e-02, -7.81250000e-02,  7.47070312e-02,  3.56445312e-02,
         1.16699219e-01, -1.28906250e-01, -1.42578125e-01,  1.82617188e-01,
        -8.83789062e-02,  3.20312500e-01,  3.17382812e-02,  3.63281250e-01,
        -8.05664062e-02, -4.12597656e-02, -7.93457031e-03,  2.27050781e-02,
        -5.39550781e-02, -1.17187500e-01, -7.42187500e-02,  8.39843750e-02,
        -2.35351562e-01, -1.95312500e-01,  5.05371094e-02, -1.05957031e-01,
         4.00390625e-02, -2.27539062e-01, -4.73022461e-03, -1.22070312e-01,
        -5.88378906e-02, -3.61328125e-02,  8.83789062e-02,  1.20849609e-02,
        -5.54199219e-02,  4.41894531e-02, -3.27148438e-02, -3.85742188e-02,
         1.20605469e-01,  1.95312500e-01,  1.56250000e-02, -3.32031250e-02,
         5.07812500e-02,  8.00781250e-02,  1.38671875e-01, -8.15429688e-02,
        -1.14746094e-01,  1.39648438e-01,  2.74658203e-02, -1.27929688e-01,
        -1.86767578e-02,  2.53295898e-03, -8.15429688e-02, -9.37500000e-02,
         2.87109375e-01, -1.16210938e-01, -7.51953125e-02,  1.23901367e-02,
         2.42614746e-03, -8.25195312e-02, -1.55273438e-01, -1.47460938e-01,
        -2.53906250e-02,  7.47070312e-02, -1.14746094e-01,  2.63671875e-01,
         1.26953125e-01,  6.44531250e-02, -1.64062500e-01, -1.32812500e-01,
        -7.42187500e-02,  2.56347656e-02, -1.71875000e-01, -7.03125000e-02,
         1.08886719e-01,  2.96875000e-01,  2.35351562e-01,  1.04370117e-02,
         3.46679688e-02, -2.17285156e-02,  1.09375000e-01,  1.94091797e-02,
         9.61914062e-02, -1.04980469e-01,  8.69140625e-02,  1.60217285e-03,
        -3.34472656e-02,  1.90429688e-01,  9.03320312e-02, -1.33789062e-01,
         5.56640625e-02, -2.97851562e-02,  1.20849609e-02, -4.29687500e-02,
        -7.27539062e-02, -1.35040283e-03, -2.27355957e-03,  2.33154297e-02,
        -2.89062500e-01,  4.54711914e-03, -1.44042969e-02, -1.30615234e-02,
        -9.37500000e-02, -3.06396484e-02,  1.19628906e-01, -3.19824219e-02,
         7.56835938e-02,  1.76757812e-01,  9.86328125e-02, -1.09863281e-02,
        -2.01416016e-02,  4.10156250e-02, -1.87500000e-01,  3.55468750e-01,
        -8.39843750e-02,  1.39648438e-01, -6.83593750e-02,  6.49414062e-02,
         7.32421875e-02, -2.31445312e-01,  1.57226562e-01,  5.88378906e-02,
         1.56250000e-01,  5.76171875e-02, -1.25122070e-02, -1.25000000e-01,
         4.32128906e-02, -6.10351562e-02,  1.22558594e-01,  1.29882812e-01,
         2.24609375e-02, -1.14135742e-02,  1.65039062e-01,  7.08007812e-02,
        -3.97949219e-02,  3.63769531e-02, -5.29785156e-02, -9.66796875e-02,
        -2.83813477e-03,  5.34667969e-02,  1.42211914e-02,  1.37695312e-01,
         8.05664062e-02,  3.54003906e-02,  4.34570312e-02,  1.33789062e-01,
        -1.17187500e-02, -1.66015625e-01,  1.27929688e-01, -8.85009766e-0
3],
       dtype=float32),
 'relationship': array([ 2.86865234e-02, -5.81054688e-02, -1.31835938e-01,
-5.10253906e-02,
        -1.27929688e-01,  3.57421875e-01, -4.95910645e-04, -2.75390625e-01,
         1.29882812e-01,  2.40478516e-02, -7.03125000e-02, -1.54296875e-01,
        -8.93554688e-02,  1.78710938e-01, -4.80957031e-02,  1.54296875e-01,
         2.30468750e-01,  1.40625000e-01,  1.33789062e-01, -1.06445312e-01,
         7.56835938e-02, -4.39453125e-02,  2.94921875e-01, -2.63671875e-02,
         5.59082031e-02, -1.91406250e-01, -8.30078125e-02,  1.66992188e-01,
         6.98242188e-02, -2.67333984e-02,  6.93359375e-02, -3.00781250e-01,
        -1.02050781e-01, -3.96728516e-03,  2.57812500e-01,  2.44140625e-01,
         2.09960938e-01,  2.53677368e-04, -3.80859375e-02, -1.15722656e-01,
         5.26428223e-04,  2.13867188e-01, -3.76953125e-01, -1.85546875e-02,
        -5.39550781e-02, -2.49023438e-01,  2.00195312e-01,  2.12097168e-03,
        -4.39453125e-01,  5.37109375e-02,  7.37304688e-02, -9.76562500e-02,
```

```
       -2.81250000e-01, -3.51562500e-02,  2.77343750e-01,  1.38671875e-01,
       -2.91015625e-01,  1.21093750e-01,  6.62231445e-03, -6.15234375e-02,
        1.60156250e-01,  4.17968750e-01, -1.58203125e-01,  2.26562500e-01,
       -5.39062500e-01,  2.61718750e-01,  1.32812500e-01, -1.33789062e-01,
        5.76171875e-02, -1.96289062e-01, -3.58886719e-02, -3.46679688e-02,
       -2.34375000e-01, -3.73535156e-02, -2.77343750e-01,  2.03125000e-01,
       -1.32812500e-01,  4.19921875e-01,  3.14453125e-01,  3.71093750e-01,
       -1.16699219e-01,  9.52148438e-02,  2.65625000e-01, -1.51367188e-01,
       -1.96289062e-01, -1.37695312e-01, -1.72851562e-01,  1.13281250e-01,
        1.43554688e-01,  2.04101562e-01, -6.12792969e-02,  1.45507812e-01,
       -7.17773438e-02,  1.82617188e-01,  1.22070312e-02, -1.69921875e-01,
        9.81445312e-02, -6.44531250e-02,  9.66796875e-02, -3.61328125e-02,
       -1.31835938e-01,  4.71191406e-02, -7.56835938e-02,  2.17773438e-01,
        1.50390625e-01, -6.34765625e-02, -1.39648438e-01,  2.40234375e-01,
       -8.66699219e-03,  3.16406250e-01, -1.12304688e-01,  2.27050781e-02,
        3.65234375e-01, -2.83203125e-01,  6.54296875e-02, -1.67968750e-01,
        7.27539062e-02, -3.54003906e-02,  8.05664062e-02,  4.98046875e-02,
       -1.44531250e-01, -2.39257812e-01,  1.57226562e-01,  3.88671875e-01,
       -8.20312500e-02,  1.32446289e-02, -2.92968750e-01,  2.14843750e-01,
        8.91113281e-03,  2.37304688e-01, -8.88671875e-02,  1.58691406e-02,
        4.85839844e-02,  5.31005859e-03,  3.10546875e-01, -3.24707031e-02,
        3.37890625e-01,  4.85229492e-03,  9.37500000e-02,  1.46484375e-02,
       -1.09863281e-01,  2.47070312e-01, -3.22265625e-01,  2.91748047e-02,
       -2.06054688e-01,  4.02832031e-02, -1.49414062e-01,  1.23535156e-01,
        5.53131104e-04,  4.10156250e-01,  1.62109375e-01,  1.53320312e-01,
       -1.10839844e-01,  3.01513672e-02, -1.78710938e-01,  7.56835938e-03,
       -1.05468750e-01, -1.84570312e-01, -1.90429688e-01, -9.52148438e-02,
        5.85937500e-03,  1.30859375e-01,  8.25195312e-02,  1.04003906e-01,
       -8.59375000e-02,  4.15039062e-02,  3.18359375e-01, -2.27539062e-01,
       -2.42187500e-01,  1.76757812e-01,  3.63769531e-02, -7.61718750e-02,
        5.97656250e-01, -2.67578125e-01,  2.92968750e-01, -1.29882812e-01,
        3.61328125e-01, -2.05078125e-02, -4.10156250e-02, -1.07910156e-01,
       -2.39257812e-01, -1.42578125e-01,  2.65625000e-01, -2.89306641e-02,
        1.19140625e-01, -2.96875000e-01, -1.30859375e-01,  2.62451172e-02,
        2.55859375e-01,  3.36914062e-02, -6.34765625e-02, -5.29785156e-02,
        8.20312500e-02,  1.01318359e-02, -6.13403320e-03,  3.98437500e-01,
       -1.90429688e-02,  2.61718750e-01,  1.29882812e-01, -2.02148438e-01,
        2.22167969e-02,  2.40234375e-01,  1.16210938e-01,  6.15234375e-02,
        1.75781250e-01, -2.55859375e-01, -2.14843750e-01, -1.65039062e-01,
        7.91015625e-02, -1.32812500e-01, -7.47070312e-02, -9.47265625e-02,
        1.42578125e-01,  5.66406250e-02,  1.74804688e-01, -1.29882812e-01,
        3.32031250e-01,  2.13867188e-01, -2.72216797e-02,  2.39257812e-01,
       -1.31835938e-01,  1.28906250e-01, -1.20849609e-02,  3.16406250e-01,
       -3.95507812e-02, -1.06933594e-01,  5.83496094e-02,  1.35742188e-01,
       -3.10058594e-02,  7.81250000e-02, -8.34960938e-02,  1.18652344e-01,
        2.31933594e-02, -1.84570312e-01,  2.57568359e-02, -8.59375000e-02,
       -1.81640625e-01, -1.26953125e-01, -6.56127930e-03,  8.69140625e-02,
       -6.98242188e-02, -1.83593750e-01,  2.02636719e-02,  1.41601562e-01,
       -1.53320312e-01,  8.20312500e-02, -1.87500000e-01, -8.93554688e-02,
        4.06250000e-01,  4.32128906e-02, -2.90527344e-02,  1.47094727e-02,
        7.56835938e-02,  2.63671875e-02, -1.18652344e-01,  2.28515625e-01,
       -1.63085938e-01,  1.10839844e-01, -2.85156250e-01,  1.44531250e-01,
        1.57226562e-01, -2.55859375e-01,  2.41699219e-02,  3.26171875e-01,
       -2.28271484e-02,  3.80859375e-01, -7.51953125e-02,  1.10839844e-01,
       -3.20312500e-01,  2.05078125e-01,  1.19018555e-02,  4.19921875e-02,
        7.08007812e-02,  1.35742188e-01, -1.89208984e-02, -2.53906250e-01,
       -2.73437500e-01,  2.35351562e-01, -1.11328125e-01, -1.55273438e-01,
        1.09863281e-01, -2.06298828e-02, -4.37011719e-02,  1.38671875e-01,
        2.15820312e-01, -6.91406250e-01, -2.50000000e-01, -8.83789062e-02,
        1.14746094e-01, -2.09960938e-01, -1.11816406e-01,  2.91015625e-01,
       -6.98242188e-02, -1.75781250e-01, -1.27929688e-01, -2.41088867e-03,
        3.63281250e-01,  2.05078125e-01, -1.86523438e-01,  5.41687012e-0
4],
      dtype=float32),
```

```
 'types': array([-7.17773438e-02,  1.29882812e-01,  2.73437500e-02,  2.0117
1875e-01,
        -1.76757812e-01, -1.46484375e-01,  8.54492188e-02,  1.63574219e-02,
         8.91113281e-03, -3.34472656e-02,  8.59375000e-02, -4.83398438e-02,
        -1.79687500e-01, -1.02539062e-01, -1.66015625e-01,  7.66601562e-02,
        -1.48437500e-01,  2.91015625e-01, -4.34570312e-02,  1.98974609e-02,
        -5.15136719e-02, -2.08740234e-02, -2.24609375e-01,  1.50390625e-01,
        -1.23535156e-01,  6.12792969e-02, -9.61914062e-02,  1.24511719e-01,
        -9.47265625e-02, -3.19824219e-02, -8.98437500e-02,  5.59082031e-02,
         1.48437500e-01,  2.61718750e-01,  9.42382812e-02,  1.00097656e-02,
        -4.71191406e-02, -2.00195312e-01, -9.33837891e-03, -1.96533203e-02,
         2.19726562e-01,  8.83789062e-02, -6.68945312e-02,  2.16064453e-02,
        -4.49218750e-02, -2.02148438e-01, -9.42382812e-02, -1.12792969e-01,
         1.29699707e-03, -7.81250000e-02, -7.42187500e-02, -9.03320312e-02,
        -2.09960938e-01, -1.59179688e-01, -1.40991211e-02,  7.47070312e-02,
        -2.17285156e-02, -1.99218750e-01,  6.83593750e-02, -4.07714844e-02,
         1.23046875e-01,  1.27929688e-01, -3.11279297e-02,  1.58203125e-01,
         3.88183594e-02, -2.36816406e-02, -1.36718750e-02,  2.23632812e-01,
        -1.06933594e-01, -1.58691406e-02,  2.18750000e-01, -3.95507812e-02,
         1.39648438e-01,  7.47680664e-03, -2.22656250e-01, -1.75781250e-01,
        -9.42382812e-02,  1.74804688e-01, -1.89453125e-01,  2.55859375e-01,
        -2.23632812e-01, -1.34765625e-01,  1.80664062e-01,  2.40478516e-02,
        -4.37011719e-02, -1.86523438e-01, -1.77734375e-01,  3.53515625e-01,
        -1.02539062e-02,  2.56347656e-02,  4.15039062e-02,  3.71093750e-02,
        -2.18750000e-01,  7.37304688e-02,  1.57226562e-01, -4.32128906e-02,
         2.15820312e-01, -1.31835938e-01,  4.73632812e-02, -6.12792969e-02,
         3.95507812e-02, -5.49316406e-02, -1.58203125e-01, -1.69921875e-01,
         8.83789062e-02, -9.82666016e-03, -3.27148438e-02,  1.01562500e-01,
         2.14843750e-01, -1.59179688e-01, -1.08886719e-01, -6.39648438e-02,
         5.27343750e-02, -1.39160156e-02,  2.08007812e-01, -1.12304688e-02,
        -1.18652344e-01,  1.67236328e-02,  7.81250000e-02,  6.64062500e-02,
        -1.69921875e-01,  1.10839844e-01,  5.39550781e-02, -4.80957031e-02,
         2.05078125e-01, -1.30859375e-01,  9.32617188e-02,  2.22656250e-01,
         1.71875000e-01, -1.03515625e-01,  1.90429688e-02, -1.28906250e-01,
         2.35595703e-02, -5.78613281e-02, -1.35742188e-01, -9.32617188e-02,
         1.41601562e-01, -3.39843750e-01,  1.50390625e-01, -2.84423828e-02,
         8.69140625e-02,  1.23046875e-01,  6.77490234e-03,  2.77343750e-01,
         3.18359375e-01, -8.44726562e-02,  3.36914062e-02, -1.24023438e-01,
        -1.75781250e-01, -1.83593750e-01,  1.43432617e-03,  9.47265625e-02,
        -3.71093750e-01, -9.42382812e-02, -2.38281250e-01, -2.83203125e-02,
        -1.63085938e-01, -1.30859375e-01,  5.07812500e-02,  5.73730469e-03,
         7.20214844e-03,  2.97851562e-02, -1.12792969e-01,  8.54492188e-03,
        -2.14843750e-01, -4.58984375e-02, -1.66992188e-01,  3.70788574e-03,
         1.90429688e-02, -1.40625000e-01, -2.35351562e-01, -3.39355469e-02,
        -1.15722656e-01,  9.57031250e-02,  2.20703125e-01, -7.27539062e-02,
        -1.15234375e-01, -2.61718750e-01, -2.71484375e-01,  6.78710938e-02,
        -1.83593750e-01, -2.61718750e-01, -5.05371094e-02,  2.02941895e-03,
         4.95605469e-02, -1.47460938e-01,  1.30004883e-02, -8.98437500e-02,
         1.16210938e-01,  1.03027344e-01,  1.07421875e-02, -2.20703125e-01,
        -1.30859375e-01, -1.34765625e-01, -3.10058594e-02, -1.33789062e-01,
         6.00585938e-02, -2.61718750e-01, -2.98828125e-01, -2.42187500e-01,
         1.32812500e-01,  8.83789062e-02, -6.64062500e-02,  2.41210938e-01,
        -6.34765625e-02,  8.59375000e-02, -4.49218750e-02, -7.86132812e-02,
         8.83789062e-02, -6.10351562e-02,  6.88476562e-02, -1.83593750e-01,
        -1.44531250e-01,  1.53320312e-01, -1.26953125e-01, -1.10839844e-01,
        -1.84326172e-02,  8.64257812e-02, -6.22558594e-02, -3.46679688e-02,
         1.38671875e-01, -3.71093750e-02, -1.06445312e-01, -2.46093750e-01,
        -7.66601562e-02,  9.09423828e-03, -1.68457031e-02, -1.87500000e-01,
         6.44531250e-02, -1.45507812e-01, -1.01928711e-02, -1.92871094e-02,
         1.35742188e-01,  5.07812500e-02,  1.81198120e-05, -1.13769531e-01,
         4.54711914e-03, -1.85546875e-02,  1.51367188e-01,  1.25976562e-01,
         2.01171875e-01,  2.98828125e-01, -2.53906250e-02,  2.50000000e-01,
        -5.41992188e-02,  8.66699219e-03, -2.41210938e-01,  2.91015625e-01,
        -9.32617188e-02, -1.62109375e-01,  1.17187500e-01,  1.94335938e-01,
```

```
         1.04003906e-01, -2.36328125e-01, -2.20947266e-02, -2.00195312e-01,
        -1.18164062e-01, -2.25830078e-03,  3.71093750e-02, -8.98437500e-02,
        -3.54003906e-02, -2.55859375e-01, -3.32031250e-02, -4.32128906e-02,
         7.76367188e-02,  1.07421875e-02, -3.71093750e-02,  5.32226562e-02,
        -6.22558594e-02, -7.76367188e-02, -1.17675781e-01,  1.03515625e-01,
         1.34765625e-01,  2.08007812e-01,  1.28906250e-01,  5.00488281e-02,
         4.83398438e-02, -1.33789062e-01, -1.91650391e-02, -9.17968750e-02,
        -2.21679688e-01, -3.54003906e-02,  1.06933594e-01, -1.43554688e-01,
        -9.66796875e-02,  1.01562500e-01,  6.28662109e-03, -2.63671875e-01,
        -6.17675781e-02,  1.05957031e-01,  4.90722656e-02, -2.36328125e-01,
         6.40869141e-04, -1.25000000e-01, -2.61230469e-02, -6.68945312e-02,
         1.34765625e-01, -1.58691406e-02,  5.02929688e-02,  1.07910156e-0
1],
       dtype=float32),
 'pay': array([ 0.11523438, -0.01251221, -0.02294922,  0.19433594,  0.10937
5  ,
         0.04272461,  0.21289062,  0.01379395,  0.1328125 ,  0.09472656,
        -0.15917969,  0.12792969, -0.03686523,  0.08154297, -0.05151367,
         0.47460938,  0.16015625, -0.09375   ,  0.07470703,  0.26953125,
        -0.00701904, -0.03637695,  0.2109375 ,  0.19335938,  0.171875  ,
        -0.04370117, -0.15625   , -0.12890625, -0.15136719, -0.05444336,
        -0.17089844, -0.07763672, -0.15625   , -0.21289062,  0.18261719,
        -0.32617188,  0.16113281,  0.18164062, -0.13964844,  0.09960938,
         0.16601562,  0.01226807,  0.13769531, -0.46484375, -0.28320312,
        -0.26367188,  0.07324219, -0.14453125, -0.20507812, -0.125     ,
        -0.0088501 , -0.17285156,  0.17578125, -0.18847656, -0.10742188,
        -0.01867676, -0.16992188,  0.10742188, -0.07861328, -0.08691406,
         0.08984375, -0.01513672, -0.21289062,  0.3515625 ,  0.1484375 ,
        -0.13867188, -0.08007812,  0.02478027,  0.01409912,  0.05664062,
        -0.05517578,  0.00176239,  0.11865234,  0.01989746,  0.01794434,
        -0.07470703,  0.08740234,  0.25390625, -0.20703125, -0.17382812,
        -0.09716797,  0.08105469, -0.16015625,  0.28125   , -0.08447266,
        -0.125     , -0.09521484,  0.12792969, -0.06054688,  0.11523438,
         0.21191406,  0.12890625,  0.10546875, -0.30859375,  0.00665283,
        -0.18847656,  0.02929688,  0.03149414,  0.18945312,  0.01831055,
        -0.19335938, -0.25195312,  0.05419922, -0.02734375,  0.06445312,
        -0.15429688,  0.15039062, -0.03320312,  0.0078125 , -0.11083984,
         0.22070312, -0.16699219, -0.09228516,  0.00358582,  0.06933594,
         0.02685547,  0.15527344, -0.07958984, -0.03564453,  0.11474609,
         0.22363281, -0.08789062, -0.11035156,  0.07373047,  0.19335938,
         0.10107422, -0.08007812, -0.19433594,  0.19335938, -0.11523438,
        -0.01831055, -0.15136719, -0.12792969,  0.00656128, -0.00086594,
        -0.00273132, -0.1875    ,  0.15527344, -0.07714844,  0.08984375,
        -0.07519531, -0.04638672, -0.04882812,  0.19238281, -0.07275391,
        -0.07666016,  0.0378418 ,  0.05444336, -0.20800781, -0.22460938,
        -0.04980469,  0.21484375, -0.12988281, -0.17480469, -0.05761719,
        -0.10302734,  0.05908203, -0.13964844, -0.16796875,  0.06103516,
         0.14550781, -0.01116943,  0.01940918, -0.08886719,  0.02905273,
        -0.01434326,  0.11962891, -0.35742188,  0.02307129,  0.07714844,
        -0.22949219, -0.17480469,  0.08251953, -0.00686646,  0.02954102,
        -0.06030273,  0.22558594, -0.01708984, -0.16699219,  0.12451172,
        -0.12304688, -0.06591797,  0.003479  ,  0.16699219, -0.00242615,
        -0.12695312,  0.07763672,  0.01171875,  0.21289062, -0.10253906,
         0.05004883,  0.03588867, -0.078125  , -0.07763672, -0.15039062,
         0.06103516,  0.10302734, -0.03063965, -0.03417969,  0.04394531,
        -0.11572266,  0.14355469,  0.01660156, -0.02478027, -0.00066757,
        -0.03564453, -0.23730469, -0.05761719,  0.04394531, -0.10302734,
         0.14355469,  0.12451172,  0.13964844,  0.13574219, -0.02600098,
         0.19726562,  0.11279297,  0.05908203, -0.11962891, -0.17089844,
         0.09863281, -0.03710938,  0.23144531, -0.17480469,  0.18359375,
         0.0625    ,  0.05151367,  0.04833984,  0.06396484,  0.00546265,
         0.05102539, -0.27148438,  0.21777344,  0.08154297,  0.12988281,
         0.07763672,  0.03857422, -0.07763672,  0.08007812, -0.06591797,
         0.05737305, -0.20507812, -0.06298828, -0.1171875 ,  0.08642578,
```

```
         0.10058594,  0.08935547,  0.16113281,  0.01843262, -0.359375  ,
         0.16894531,  0.10009766, -0.16796875, -0.00915527, -0.0703125 ,
        -0.03833008,  0.15332031,  0.28320312, -0.02526855,  0.20507812,
         0.12060547, -0.00254822, -0.25390625,  0.20800781,  0.0559082 ,
         0.13671875, -0.1796875 , -0.00176239,  0.08886719,  0.00190735,
         0.08886719,  0.18457031,  0.22949219, -0.01031494,  0.16113281,
         0.14941406, -0.22851562, -0.04174805, -0.28515625, -0.16113281,
         0.00326538,  0.17285156,  0.25585938,  0.234375  , -0.11962891,
         0.06689453, -0.04174805,  0.24511719,  0.15332031,  0.02575684,
        -0.04492188,  0.00430298, -0.03857422,  0.25      , -0.12158203,
         0.10742188,  0.08691406,  0.04443359,  0.13867188, -0.16015625],
       dtype=float32),
 'expected': array([ 0.06347656,  0.265625  ,  0.06982422, -0.00872803, -0.
17578125,
         0.01257324,  0.18457031, -0.0378418 ,  0.20898438,  0.08789062,
        -0.06494141,  0.125     ,  0.06689453, -0.18359375, -0.07080078,
         0.03393555,  0.05297852, -0.14257812,  0.12597656,  0.08544922,
        -0.33398438,  0.01831055,  0.04370117, -0.15917969, -0.06542969,
        -0.12060547, -0.01312256,  0.10302734,  0.03564453,  0.31835938,
         0.13378906,  0.01403809,  0.02832031, -0.16601562, -0.10839844,
         0.08056641, -0.09912109,  0.01513672,  0.07958984, -0.11523438,
         0.04272461, -0.37304688,  0.23339844,  0.09667969, -0.07714844,
        -0.31054688,  0.0098877 , -0.00221252, -0.13476562, -0.17773438,
         0.08398438, -0.24707031, -0.08886719,  0.34179688,  0.16601562,
         0.25976562, -0.08496094,  0.0145874 ,  0.23242188,  0.07177734,
        -0.359375  , -0.15332031, -0.1640625 , -0.26757812,  0.11083984,
         0.21191406, -0.04785156,  0.38671875,  0.05200195, -0.00083542,
         0.00049973, -0.00582886,  0.21679688,  0.26757812, -0.01599121,
        -0.08935547,  0.234375  ,  0.22558594, -0.01806641, -0.05981445,
         0.10058594, -0.15917969, -0.20898438,  0.05249023, -0.12451172,
        -0.11816406, -0.09619141,  0.01147461,  0.05517578, -0.16699219,
         0.37695312, -0.17675781, -0.11767578, -0.13085938, -0.00100708,
        -0.3359375 , -0.02575684, -0.02294922, -0.03295898, -0.02368164,
         0.15917969, -0.06005859,  0.03198242, -0.07373047,  0.01379395,
        -0.05908203, -0.0378418 , -0.08935547,  0.02783203,  0.03930664,
         0.15039062,  0.14550781, -0.02563477, -0.12695312, -0.06884766,
         0.04980469,  0.28125   , -0.04833984,  0.07666016,  0.23632812,
         0.05004883,  0.09570312,  0.09277344, -0.15136719,  0.02490234,
        -0.22070312, -0.10546875, -0.03588867, -0.32226562,  0.08349609,
         0.16015625,  0.07861328,  0.08642578,  0.0324707 , -0.05249023,
        -0.10791016,  0.04785156,  0.08886719,  0.05737305,  0.07275391,
        -0.09277344, -0.19433594,  0.11083984, -0.08007812,  0.01733398,
        -0.12988281,  0.08691406, -0.13867188,  0.12451172, -0.23144531,
        -0.03051758,  0.04931641,  0.06396484,  0.20019531,  0.01318359,
         0.04443359, -0.16992188,  0.18066406, -0.12890625,  0.00402832,
         0.23144531,  0.03930664,  0.23242188,  0.07324219,  0.18457031,
        -0.00787354,  0.13867188,  0.109375  ,  0.11230469, -0.21386719,
        -0.13867188, -0.00485229, -0.03808594, -0.09521484, -0.01544189,
        -0.10253906,  0.14550781, -0.13183594, -0.10644531, -0.02697754,
         0.01062012,  0.04931641, -0.13476562,  0.1328125 , -0.03857422,
        -0.11767578, -0.00726318,  0.01519775,  0.31835938,  0.109375  ,
         0.25      ,  0.14941406,  0.02746582, -0.24414062, -0.03955078,
         0.08935547,  0.18066406, -0.02453613, -0.03271484, -0.18066406,
         0.10351562,  0.01184082, -0.05908203,  0.08007812,  0.16113281,
         0.03808594,  0.01867676,  0.06591797,  0.18457031, -0.06640625,
        -0.07324219,  0.05371094,  0.0703125 ,  0.19042969, -0.15039062,
        -0.11523438,  0.04931641,  0.01916504, -0.01794434,  0.22265625,
         0.16015625, -0.00692749, -0.16796875, -0.13476562,  0.0019455 ,
        -0.24707031,  0.04516602,  0.18652344,  0.05151367, -0.09033203,
         0.00364685,  0.14941406,  0.11328125,  0.04443359,  0.10693359,
         0.05566406, -0.03515625, -0.22949219,  0.10107422,  0.10302734,
        -0.03759766,  0.03759766,  0.12255859, -0.19433594, -0.13574219,
        -0.03466797,  0.01733398,  0.02087402,  0.38085938, -0.10693359,
        -0.14746094,  0.04638672,  0.17578125,  0.09570312,  0.20800781,
```

```
         0.05957031,  0.06787109, -0.05566406, -0.08007812, -0.01782227,
         0.02111816,  0.0135498 , -0.06982422,  0.12792969,  0.13964844,
        -0.04370117,  0.08007812, -0.02429199,  0.12304688,  0.12695312,
         0.20898438, -0.01574707,  0.11035156, -0.33789062,  0.15527344,
        -0.05981445,  0.00549316,  0.16503906, -0.03393555,  0.16503906,
        -0.12402344, -0.14648438, -0.15917969,  0.10205078,  0.15136719,
        -0.17480469,  0.18652344,  0.04541016,  0.3359375 ,  0.10302734,
        -0.10498047, -0.12597656, -0.08007812,  0.00714111,  0.17285156,
         0.21582031, -0.01977539, -0.09667969,  0.15429688, -0.21679688],
       dtype=float32),
 'benefits': array([ 0.12207031, -0.04296875, -0.03320312,  0.21875   ,  0.
17675781,
         0.13085938,  0.12011719, -0.14257812, -0.06396484,  0.18359375,
         0.02038574, -0.09326172, -0.14453125,  0.31640625,  0.13085938,
         0.03540039,  0.15136719,  0.07128906,  0.328125  , -0.14453125,
        -0.11181641, -0.02246094, -0.07568359,  0.21191406,  0.20507812,
         0.06835938, -0.15625   ,  0.26171875, -0.1796875 , -0.20800781,
        -0.03881836, -0.05395508,  0.08398438, -0.26953125,  0.15136719,
         0.03417969, -0.02746582, -0.02331543, -0.09521484,  0.05834961,
        -0.24804688,  0.16699219,  0.12597656,  0.09033203, -0.38085938,
        -0.45703125, -0.18359375,  0.14648438, -0.06005859,  0.04003906,
         0.02539062, -0.22460938, -0.14160156, -0.02636719,  0.05786133,
        -0.15136719, -0.12890625, -0.06445312,  0.21679688, -0.11230469,
        -0.05688477,  0.10693359, -0.19628906,  0.04223633,  0.00671387,
         0.01818848, -0.05297852,  0.25      , -0.11962891,  0.02392578,
        -0.23046875, -0.07714844,  0.1484375 ,  0.015625  ,  0.16894531,
        -0.28320312,  0.15136719,  0.03662109, -0.16113281,  0.3359375 ,
        -0.10839844,  0.13476562, -0.06689453,  0.30859375, -0.15527344,
        -0.04614258, -0.25390625,  0.11376953, -0.13867188, -0.13574219,
         0.02160645,  0.02282715, -0.09228516, -0.10888672, -0.04589844,
         0.08056641, -0.1171875 , -0.0546875 ,  0.24316406, -0.03979492,
        -0.17382812, -0.23828125, -0.01251221,  0.31445312, -0.03955078,
        -0.38085938,  0.00897217, -0.16992188,  0.13964844, -0.24902344,
         0.1015625 ,  0.12353516,  0.18945312,  0.17871094,  0.02722168,
         0.10546875,  0.05688477, -0.10839844,  0.12304688,  0.18945312,
         0.01373291,  0.21289062,  0.06787109, -0.06396484,  0.24804688,
         0.04321289, -0.09716797,  0.24902344,  0.16796875,  0.14160156,
        -0.12597656,  0.19921875, -0.09814453, -0.33398438, -0.22949219,
        -0.04711914, -0.08984375, -0.0324707 ,  0.20605469,  0.29882812,
         0.07421875,  0.04907227,  0.046875  ,  0.24707031,  0.06494141,
        -0.1875    ,  0.04882812,  0.13769531, -0.00283813, -0.00817871,
         0.04638672,  0.21484375, -0.0546875 ,  0.10400391,  0.11083984,
         0.00248718, -0.18066406, -0.11083984, -0.06689453, -0.28515625,
        -0.00741577,  0.13378906,  0.00113678,  0.10644531, -0.12792969,
        -0.17382812, -0.23242188,  0.14746094, -0.15234375,  0.19140625,
         0.02087402, -0.08837891, -0.16796875,  0.09082031,  0.07080078,
         0.02587891, -0.08300781,  0.11816406, -0.04394531,  0.15820312,
        -0.34765625,  0.04980469,  0.02099609, -0.06494141, -0.08349609,
         0.06201172, -0.15722656,  0.02075195,  0.02099609, -0.11230469,
        -0.24804688,  0.07910156, -0.07128906, -0.04467773,  0.08349609,
         0.1875    , -0.22558594, -0.18261719,  0.29296875, -0.24804688,
        -0.27148438,  0.04467773,  0.07519531, -0.03417969, -0.16113281,
         0.02294922, -0.07470703, -0.0534668 , -0.265625  ,  0.18261719,
         0.14355469,  0.15234375, -0.06054688,  0.34765625, -0.00358582,
        -0.02954102,  0.28125   ,  0.28125   , -0.04858398,  0.20996094,
         0.01385498, -0.24804688, -0.05053711, -0.05566406, -0.16308594,
        -0.08349609, -0.13085938, -0.140625  ,  0.01379395,  0.015625  ,
         0.03710938, -0.14453125,  0.234375  , -0.19726562, -0.11279297,
        -0.06225586, -0.0043335 ,  0.15234375,  0.07519531, -0.28515625,
        -0.0703125 , -0.0546875 ,  0.3203125 ,  0.05639648,  0.1328125 ,
         0.11767578, -0.12695312,  0.00085831,  0.11279297, -0.18847656,
        -0.10498047, -0.08984375, -0.05273438, -0.18359375, -0.09082031,
         0.05810547,  0.03369141, -0.06005859, -0.18066406,  0.1875    ,
         0.15917969, -0.07519531, -0.48242188,  0.21972656, -0.0090332 ,
```

```
         0.04833984,  0.02905273,  0.19921875, -0.25585938, -0.23144531,
         0.03979492,  0.02490234,  0.0456543 ,  0.13867188,  0.04589844,
        -0.00097656, -0.1796875 , -0.01019287, -0.15917969, -0.09130859,
        -0.15722656, -0.04907227,  0.06396484,  0.14941406, -0.25390625,
        -0.16699219,  0.05371094, -0.01177979,  0.16796875, -0.19335938,
        -0.10546875,  0.00769043, -0.08203125, -0.10546875,  0.04077148,
         0.2578125 ,  0.04296875, -0.0546875 ,  0.0612793 , -0.06982422],
       dtype=float32),
 'k': array([ 4.07714844e-02, -1.78710938e-01,  2.26562500e-01,  3.26171875
e-01,
         4.41406250e-01, -1.75781250e-01, -4.05273438e-02, -1.55273438e-01,
         2.25585938e-01, -2.27539062e-01, -5.32226562e-02,  4.88281250e-01,
        -2.98828125e-01,  3.67187500e-01,  2.92968750e-02,  6.83593750e-02,
         1.83593750e-01,  2.00195312e-01, -2.41210938e-01,  3.55468750e-01,
         2.56347656e-02, -8.00781250e-02,  5.98144531e-02,  2.92968750e-03,
         1.71875000e-01,  4.11987305e-03, -2.45117188e-01,  2.29492188e-01,
         1.67968750e-01,  1.56250000e-01, -1.09863281e-01,  1.94335938e-01,
         1.58203125e-01, -2.77343750e-01, -2.10937500e-01,  9.81445312e-02,
         7.11059570e-03, -7.81250000e-02, -6.00585938e-02,  7.56835938e-02,
         2.01171875e-01,  9.96093750e-02,  5.31250000e-01,  6.54296875e-02,
        -2.53906250e-01, -3.33984375e-01, -1.42578125e-01, -1.87500000e-01,
        -1.11328125e-01, -6.29882812e-02, -2.73437500e-01, -1.13281250e-01,
        -3.69140625e-01,  2.94921875e-01,  2.49023438e-01, -5.54199219e-02,
         7.76367188e-02, -3.14453125e-01, -2.34375000e-01, -2.18750000e-01,
        -1.29882812e-01, -5.54687500e-01, -1.17797852e-02,  1.29882812e-01,
         8.15429688e-02, -6.17187500e-01, -6.43920898e-03,  1.13281250e-01,
         4.78515625e-02, -3.12500000e-02, -4.76562500e-01, -5.46875000e-02,
         2.34375000e-01,  1.01074219e-01, -2.79296875e-01,  6.34765625e-02,
         2.63671875e-02, -1.23046875e-01, -1.62109375e-01, -1.35742188e-01,
        -4.00390625e-02, -1.81640625e-01,  3.12500000e-02,  2.63671875e-01,
         2.79296875e-01,  4.55078125e-01,  1.32812500e-01,  3.20312500e-01,
         3.33984375e-01, -4.51171875e-01, -2.96875000e-01, -2.73437500e-01,
        -1.66992188e-01,  9.17968750e-02,  1.82617188e-01,  1.31835938e-01,
         2.92968750e-02,  4.83398438e-02,  6.03027344e-02, -3.82812500e-01,
        -2.42187500e-01, -3.41796875e-01, -2.27539062e-01,  1.88476562e-01,
        -1.59179688e-01, -6.98242188e-02,  2.03125000e-01,  3.02734375e-01,
         1.20117188e-01,  3.94531250e-01,  2.09960938e-02,  1.05957031e-01,
        -1.16699219e-01,  1.29882812e-01, -6.88476562e-02, -2.50000000e-01,
        -6.73828125e-02, -3.24218750e-01,  2.92968750e-02,  9.46044922e-03,
         1.37695312e-01, -7.91015625e-02, -3.19824219e-02,  2.31445312e-01,
         6.91406250e-01, -2.96875000e-01,  1.81884766e-02, -6.22558594e-02,
        -1.82617188e-01, -4.93164062e-02, -5.23437500e-01, -2.38281250e-01,
        -2.91015625e-01, -2.01171875e-01,  6.48498535e-04, -1.03515625e-01,
        -5.00000000e-01, -1.23046875e-01,  3.18359375e-01,  4.10156250e-02,
         2.72216797e-02, -9.17968750e-02, -8.74023438e-02,  2.21679688e-01,
         7.51953125e-02, -1.99218750e-01,  1.92382812e-01,  3.88671875e-01,
        -4.39453125e-02,  2.07031250e-01,  2.13867188e-01, -5.54687500e-01,
        -3.26171875e-01,  6.88476562e-02, -3.65234375e-01, -2.43164062e-01,
        -3.97949219e-02,  2.06298828e-02, -1.56250000e-01,  3.18359375e-01,
        -1.33789062e-01, -1.76757812e-01, -2.00195312e-01,  9.81445312e-02,
        -3.75000000e-01, -1.28173828e-02,  3.71093750e-02, -2.06054688e-01,
         9.08203125e-02,  3.80859375e-01, -4.34570312e-02,  2.00195312e-01,
         1.29882812e-01,  2.14843750e-01, -1.19140625e-01,  2.45117188e-01,
         3.47656250e-01, -7.66601562e-02, -2.16796875e-01,  1.30859375e-01,
         2.28515625e-01, -2.48046875e-01,  9.57031250e-02,  1.03027344e-01,
         8.30078125e-02, -3.02734375e-01, -2.57812500e-01,  2.65625000e-01,
         1.22070312e-01,  2.24609375e-01,  6.98242188e-02,  1.44531250e-01,
        -7.38281250e-01, -3.35937500e-01, -2.48046875e-01,  9.27734375e-02,
        -2.81250000e-01, -2.07031250e-01,  4.58984375e-01, -1.44531250e-01,
        -3.18359375e-01, -2.42919922e-02, -4.21875000e-01,  2.85644531e-02,
         1.69921875e-01, -2.96875000e-01, -2.35351562e-01,  2.38037109e-02,
        -6.34765625e-02,  1.94091797e-02, -1.55273438e-01,  3.76953125e-01,
        -2.94921875e-01,  9.91210938e-02, -6.20117188e-02,  9.03320312e-02,
        -2.02148438e-01,  3.59375000e-01, -4.51171875e-01,  2.61230469e-02,
```

```
        -3.88671875e-01, -3.19824219e-02,  1.76757812e-01, -2.17773438e-01,
         1.21093750e-01, -2.18750000e-01, -9.71679688e-02, -7.27539062e-02,
        -2.38281250e-01, -2.46093750e-01, -1.35742188e-01, -2.58789062e-02,
         1.82617188e-01,  1.43554688e-01,  4.49218750e-02, -6.64062500e-02,
         5.68847656e-02,  2.94921875e-01, -4.58984375e-01, -1.77734375e-01,
         3.56445312e-02,  2.89062500e-01,  3.71093750e-01, -2.87109375e-01,
         1.75781250e-01,  1.63085938e-01, -1.51367188e-01,  2.50000000e-01,
         1.93359375e-01, -3.55468750e-01, -1.91406250e-01, -2.49023438e-02,
         4.88281250e-01, -8.93554688e-02, -2.83203125e-01, -8.20312500e-02,
         4.53125000e-01,  3.47656250e-01,  2.94189453e-02,  1.73828125e-01,
         2.01171875e-01,  3.93066406e-02, -2.50000000e-01,  1.93359375e-01,
        -3.18359375e-01,  1.15234375e-01, -1.94091797e-02, -1.65039062e-01,
        -2.21679688e-01, -3.26171875e-01, -2.67578125e-01,  1.82617188e-01,
        -5.27343750e-02,  8.59375000e-02, -1.67968750e-01, -2.25585938e-01,
        -6.89697266e-03, -6.20117188e-02,  9.86328125e-02, -2.20703125e-01,
         3.63769531e-02,  4.85839844e-02, -3.76953125e-01,  6.93359375e-02,
         8.54492188e-03, -6.64062500e-02,  5.78125000e-01, -1.55029297e-02,
         1.45507812e-01, -1.26953125e-01, -2.46093750e-01,  1.73828125e-01,
         5.66406250e-02,  2.50000000e-01, -4.88281250e-01, -1.54296875e-01,
        -5.66406250e-02,  8.88671875e-02, -1.15722656e-01,  2.31445312e-0
1],
       dtype=float32),
 'matching': array([-0.06225586, -0.20117188,  0.00512695,  0.3359375 ,  0.
2421875 ,
        -0.03808594, -0.10644531, -0.14648438,  0.10693359, -0.03710938,
         0.16015625,  0.09716797, -0.125     ,  0.09423828, -0.24511719,
        -0.0859375 ,  0.09277344,  0.20117188, -0.00674438, -0.13964844,
        -0.20800781,  0.05883789, -0.26953125,  0.09765625,  0.05786133,
        -0.05053711, -0.35351562,  0.27148438,  0.06103516, -0.0018692 ,
        -0.04443359,  0.03027344,  0.1796875 , -0.01757812, -0.17285156,
        -0.07080078, -0.17382812, -0.22949219,  0.03710938,  0.17382812,
         0.11425781,  0.15820312, -0.08349609,  0.03222656, -0.07519531,
        -0.23632812,  0.00045586, -0.00081635,  0.09375   ,  0.31640625,
         0.08935547,  0.07861328, -0.16699219, -0.10205078, -0.24804688,
        -0.03515625, -0.1484375 , -0.25976562,  0.08447266,  0.11083984,
        -0.109375  ,  0.13867188,  0.09667969, -0.3671875 ,  0.19921875,
         0.4375    , -0.14648438, -0.07666016,  0.36328125,  0.07275391,
         0.140625  , -0.23144531, -0.00933838, -0.03088379,  0.02429199,
         0.22949219,  0.31640625, -0.01257324,  0.15722656,  0.07568359,
         0.07617188, -0.08544922, -0.11230469,  0.12451172,  0.02832031,
         0.02209473, -0.04541016,  0.0859375 , -0.06030273, -0.03735352,
        -0.00762939,  0.23144531, -0.08154297, -0.08544922,  0.14257812,
        -0.01239014, -0.06835938,  0.15625   , -0.33398438,  0.26953125,
        -0.21972656, -0.16503906, -0.25390625, -0.15039062, -0.04223633,
        -0.11035156,  0.1640625 ,  0.17578125, -0.01306152,  0.1328125 ,
        -0.02575684, -0.00848389, -0.17773438,  0.21679688,  0.22363281,
         0.09326172,  0.08789062, -0.03039551, -0.17773438,  0.125     ,
         0.00701904,  0.22265625,  0.21679688,  0.10986328,  0.02709961,
        -0.10351562,  0.109375  , -0.14453125,  0.05639648,  0.10009766,
         0.11523438, -0.1640625 , -0.10400391,  0.06933594, -0.16796875,
        -0.03173828, -0.29882812, -0.19824219, -0.05615234,  0.02160645,
        -0.05493164,  0.00958252, -0.37890625,  0.16894531,  0.11132812,
         0.15234375,  0.02734375, -0.25585938,  0.01544189,  0.13476562,
        -0.05664062, -0.08105469, -0.203125  , -0.15234375,  0.03613281,
        -0.03515625, -0.25      ,  0.06494141, -0.03442383,  0.05175781,
        -0.10644531, -0.22265625,  0.20214844, -0.02941895, -0.06103516,
        -0.04833984,  0.02246094, -0.15039062, -0.20410156,  0.2109375 ,
        -0.10449219, -0.19140625, -0.12353516,  0.09619141, -0.0279541 ,
         0.00389099,  0.22265625, -0.24511719, -0.06933594, -0.03076172,
         0.02429199, -0.01422119,  0.15429688, -0.00068665, -0.14160156,
        -0.33203125, -0.1953125 , -0.05932617, -0.10839844, -0.04492188,
        -0.06640625, -0.08544922,  0.15039062, -0.2109375 , -0.11132812,
         0.1328125 , -0.03015137, -0.19140625, -0.21484375, -0.36132812,
        -0.11572266,  0.15625   ,  0.15429688,  0.02844238, -0.06298828,
```

```
         0.09863281, -0.32226562, -0.05273438,  0.234375  , -0.09423828,
        -0.18847656, -0.02893066, -0.22558594,  0.01153564, -0.06542969,
        -0.03417969,  0.29882812,  0.05639648, -0.29492188,  0.07080078,
        -0.13378906,  0.13378906, -0.07324219, -0.13476562, -0.13183594,
         0.09619141, -0.17480469,  0.15234375,  0.11083984, -0.14648438,
         0.10498047,  0.17285156, -0.06542969,  0.36523438, -0.05371094,
        -0.17285156,  0.09619141, -0.19238281,  0.0378418 ,  0.02197266,
         0.18164062,  0.07177734, -0.16308594, -0.19042969,  0.06005859,
        -0.22558594,  0.10253906,  0.10058594, -0.02783203, -0.24511719,
         0.04980469,  0.03344727,  0.06933594,  0.19824219, -0.09423828,
         0.06494141,  0.32617188,  0.12792969, -0.02893066,  0.06542969,
         0.16015625,  0.19433594, -0.12207031, -0.04736328,  0.15234375,
         0.22753906,  0.04150391, -0.07275391, -0.03271484, -0.02526855,
         0.04199219, -0.0625    , -0.03149414,  0.07421875, -0.05688477,
        -0.09912109, -0.10400391, -0.1015625 ,  0.19335938,  0.02587891,
        -0.25585938, -0.03076172, -0.14746094, -0.11523438,  0.04150391,
         0.05541992,  0.1953125 , -0.10791016,  0.24707031, -0.26367188,
        -0.09667969,  0.21582031, -0.00585938,  0.07714844,  0.22753906,
         0.02856445,  0.13867188, -0.18359375,  0.02062988,  0.12792969],
       dtype=float32),
 'dental': array([-1.32812500e-01,  3.06396484e-02, -1.01562500e-01,  3.295
89844e-02,
        -1.33789062e-01,  1.92382812e-01,  3.66210938e-02, -2.69775391e-02,
         1.62109375e-01, -5.17578125e-02,  1.01562500e-01,  3.08837891e-02,
        -8.64257812e-02,  3.78906250e-01,  1.11328125e-01,  8.74023438e-02,
         2.02148438e-01,  5.00000000e-01, -4.58984375e-02, -1.00097656e-01,
         1.78222656e-02, -9.91210938e-02,  1.73339844e-02,  1.66015625e-01,
        -3.90625000e-01,  2.53906250e-01, -2.22656250e-01,  1.25732422e-02,
         5.05371094e-02, -2.98828125e-01, -3.47656250e-01,  5.10253906e-02,
         2.03125000e-01, -2.43164062e-01,  1.21093750e-01, -2.96875000e-01,
         1.78710938e-01, -1.07421875e-02, -2.84423828e-02, -1.70898438e-01,
        -1.63085938e-01, -8.93554688e-02, -3.39355469e-02,  2.05039978e-04,
         1.16699219e-01, -3.35937500e-01, -9.86328125e-02,  1.59179688e-01,
        -9.08203125e-02,  2.09960938e-01,  1.46484375e-01, -8.78906250e-02,
        -1.69921875e-01,  1.19628906e-01,  6.25000000e-02, -4.37011719e-02,
        -1.98242188e-01,  1.75781250e-01, -2.23632812e-01,  9.15527344e-03,
        -1.50390625e-01,  6.17675781e-02,  3.39843750e-01,  8.39843750e-02,
         1.58203125e-01,  2.28515625e-01, -1.08886719e-01,  2.47070312e-01,
        -1.82617188e-01, -3.14453125e-01, -2.55859375e-01,  6.98242188e-02,
         8.15429688e-02,  1.37695312e-01, -3.12500000e-01, -5.07812500e-02,
        -7.71484375e-02,  1.17187500e-02,  8.83789062e-02, -1.38671875e-01,
         3.75976562e-02,  3.54003906e-02, -3.26171875e-01,  2.32421875e-01,
        -9.32617188e-02, -2.34375000e-01, -1.96289062e-01, -4.49218750e-02,
        -1.78710938e-01, -2.18505859e-02,  2.11914062e-01, -1.56250000e-01,
         2.85156250e-01,  1.14257812e-01, -1.89453125e-01, -4.02832031e-02,
         9.37500000e-02,  9.32617188e-02, -1.54418945e-02,  1.99218750e-01,
        -1.20117188e-01, -3.47656250e-01, -2.51464844e-02,  1.59179688e-01,
         1.47094727e-02, -1.62109375e-01,  2.77343750e-01, -3.58886719e-02,
         1.76757812e-01, -1.98242188e-01,  3.58886719e-02, -4.48608398e-03,
        -1.77734375e-01, -1.33789062e-01,  3.88183594e-02,  1.15722656e-01,
         2.76184082e-03, -4.43359375e-01,  7.86132812e-02, -1.36718750e-01,
         1.31835938e-01, -9.03320312e-02, -2.58789062e-02, -1.60156250e-01,
         2.85644531e-02,  2.24609375e-01, -1.77734375e-01, -3.57421875e-01,
         2.12890625e-01,  3.00781250e-01, -2.13867188e-01, -1.21582031e-01,
        -4.35546875e-01, -1.85546875e-01, -3.28125000e-01, -1.89208984e-02,
        -3.61328125e-01,  1.22558594e-01,  1.33789062e-01,  1.74804688e-01,
         1.83593750e-01, -2.59765625e-01, -2.08007812e-01,  2.35351562e-01,
        -9.52148438e-02, -3.08837891e-02,  1.51367188e-01,  8.25195312e-02,
        -2.57812500e-01,  3.14453125e-01,  3.61328125e-01, -1.10351562e-01,
        -3.06640625e-01,  8.44726562e-02, -5.27343750e-02, -2.31933594e-02,
        -1.43554688e-01, -2.71484375e-01,  3.54003906e-03,  1.04003906e-01,
        -8.11767578e-03,  1.71875000e-01, -6.44531250e-02,  1.73828125e-01,
        -1.11328125e-01,  4.83398438e-02, -5.32226562e-02, -3.33984375e-01,
        -3.76953125e-01, -3.10546875e-01,  2.89062500e-01,  3.78906250e-01,
```

```
         1.48315430e-02, -5.07812500e-02, -1.31835938e-01,  8.10546875e-02,
         1.35742188e-01,  1.14135742e-02, -8.54492188e-02,  9.96093750e-02,
        -2.31445312e-01, -1.26953125e-01, -3.63769531e-02, -1.35742188e-01,
        -1.57226562e-01,  7.51953125e-02,  2.05078125e-01,  5.15136719e-02,
         2.24609375e-01,  2.24609375e-01, -1.42578125e-01, -1.17187500e-01,
         1.04003906e-01,  1.34765625e-01,  1.92871094e-02, -2.01416016e-02,
         1.48437500e-01, -3.30078125e-01, -7.95898438e-02, -3.49121094e-02,
        -1.84570312e-01, -6.40869141e-04,  6.93359375e-02, -1.46484375e-01,
        -1.29882812e-01, -3.02734375e-01,  2.81250000e-01, -1.79687500e-01,
         1.72851562e-01, -3.92578125e-01,  9.03320312e-02,  1.44531250e-01,
        -5.61523438e-03,  2.42919922e-02,  4.80957031e-02, -4.44335938e-02,
         2.79541016e-02,  2.73437500e-02, -1.64062500e-01, -1.22558594e-01,
         1.86920166e-03, -3.20312500e-01,  7.71484375e-02,  4.05273438e-02,
         2.48046875e-01, -2.00195312e-01, -2.44140625e-01,  1.08398438e-01,
        -2.13867188e-01, -1.15234375e-01,  1.33789062e-01,  8.00781250e-02,
         2.36816406e-02, -1.86523438e-01, -3.16406250e-01,  2.89062500e-01,
         3.26171875e-01,  2.19726562e-01, -8.15429688e-02,  9.13085938e-02,
         5.19531250e-01, -1.45507812e-01,  1.86523438e-01, -1.78710938e-01,
         1.99218750e-01,  1.65039062e-01, -1.04980469e-01, -1.09375000e-01,
        -2.67578125e-01, -1.61132812e-01, -9.96093750e-02, -4.06250000e-01,
         1.94335938e-01,  2.65625000e-01, -1.49414062e-01,  2.73437500e-01,
         1.45507812e-01, -2.73132324e-03, -1.53320312e-01,  1.22070312e-01,
        -1.46484375e-02, -1.23535156e-01, -2.23632812e-01, -1.47460938e-01,
         1.58203125e-01,  1.25976562e-01, -3.51562500e-02, -2.41210938e-01,
         1.39648438e-01,  9.76562500e-02, -1.88476562e-01,  1.64062500e-01,
         2.49023438e-01,  3.39355469e-02,  2.13867188e-01, -2.07031250e-01,
         1.72851562e-01, -3.53515625e-01, -5.78613281e-02, -3.83300781e-02,
         2.56347656e-02, -2.64892578e-02,  2.38037109e-02,  2.16796875e-01,
        -3.55468750e-01,  4.39453125e-02,  2.59765625e-01, -1.65039062e-01,
         5.81054688e-02, -7.32421875e-02, -2.05078125e-02, -5.55419922e-03,
        -2.69531250e-01,  2.03125000e-01,  7.03125000e-02,  1.73828125e-01,
         1.04980469e-01,  2.44140625e-01,  2.40234375e-01, -2.78320312e-0
2],
       dtype=float32),
 'insurance': array([ 5.49316406e-02,  4.78515625e-02,  3.27148438e-02,  1.
40625000e-01,
         1.61132812e-01, -1.76757812e-01,  2.29492188e-01,  3.51562500e-02,
         2.79296875e-01,  1.81884766e-02,  1.73828125e-01, -9.15527344e-03,
        -3.55468750e-01, -2.49023438e-02, -2.03125000e-01,  1.29882812e-01,
         3.82812500e-01,  2.67578125e-01, -1.32812500e-01, -9.27734375e-02,
         2.65625000e-01,  4.98046875e-02,  5.12695312e-02,  1.85546875e-01,
         1.78527832e-03,  4.62890625e-01, -2.72216797e-02,  2.55859375e-01,
        -5.24902344e-02, -1.41143799e-03, -1.48437500e-01,  1.35742188e-01,
         1.88476562e-01, -2.44140625e-02,  8.00781250e-02,  5.54199219e-02,
         3.24218750e-01,  3.51562500e-02,  9.91210938e-02,  6.49414062e-02,
        -6.07910156e-02, -1.26953125e-01, -1.46484375e-01,  1.74560547e-02,
        -2.79296875e-01, -3.18359375e-01,  2.57812500e-01,  2.88085938e-02,
         5.07812500e-02, -1.07421875e-01,  5.27343750e-02, -1.08886719e-01,
        -1.63085938e-01,  5.05371094e-02, -2.53906250e-01,  9.71679688e-02,
        -2.15820312e-01, -6.73828125e-02, -1.79687500e-01, -1.56250000e-01,
         1.08398438e-01, -1.26953125e-01, -8.34960938e-02,  9.61914062e-02,
        -1.35742188e-01,  2.16796875e-01, -4.04296875e-01,  8.34960938e-02,
        -3.96484375e-01,  6.17675781e-02, -3.75000000e-01,  2.77099609e-02,
         3.49609375e-01, -1.31835938e-01, -4.53125000e-01, -3.00781250e-01,
        -8.25195312e-02, -5.66406250e-02, -1.42578125e-01,  4.22363281e-02,
         6.71386719e-04, -1.03515625e-01, -2.21679688e-01,  3.78906250e-01,
        -1.90429688e-01,  1.89453125e-01, -2.35351562e-01,  2.85156250e-01,
        -2.51953125e-01, -6.49414062e-02,  9.42382812e-02, -9.47265625e-02,
         9.42382812e-02, -2.05078125e-02, -9.08203125e-02, -2.77099609e-02,
        -4.42504883e-04, -1.88476562e-01,  9.91210938e-02, -1.29882812e-01,
        -1.14257812e-01, -1.14746094e-01,  7.37304688e-02,  2.34375000e-01,
        -1.16577148e-02, -6.44531250e-02,  1.45507812e-01, -8.39843750e-02,
         8.64257812e-02, -1.28906250e-01,  8.78906250e-03,  7.08007812e-02,
        -2.61718750e-01, -1.46484375e-01, -1.15234375e-01,  3.98437500e-01,
```

```
         3.86718750e-01, -5.24902344e-02,  2.85156250e-01,  2.28515625e-01,
        -1.33789062e-01,  4.29687500e-02, -6.22558594e-02,  4.73632812e-02,
         2.81250000e-01, -1.54296875e-01,  6.56127930e-03, -6.34765625e-02,
         2.53906250e-01,  5.17578125e-02, -2.36328125e-01, -2.13867188e-01,
        -2.75390625e-01, -4.19921875e-01, -3.80859375e-01, -1.27929688e-01,
        -2.69531250e-01, -2.08007812e-01, -1.70898438e-01,  1.30859375e-01,
        -1.57470703e-02, -1.54296875e-01, -4.58984375e-02,  8.54492188e-02,
        -7.76367188e-02, -4.21875000e-01,  1.72851562e-01,  2.28271484e-02,
        -2.00195312e-01,  9.81445312e-02, -4.56542969e-02, -2.75390625e-01,
        -1.68457031e-02, -3.25012207e-03,  2.59765625e-01, -6.73828125e-02,
        -1.39160156e-02,  1.26953125e-01,  8.83789062e-02, -1.41601562e-01,
        -8.88671875e-02, -3.54003906e-02,  8.00781250e-02,  5.17578125e-02,
        -1.24511719e-02, -1.77734375e-01, -1.82617188e-01, -1.76757812e-01,
        -1.57226562e-01,  9.27734375e-02, -4.83398438e-02,  1.66992188e-01,
         9.71679688e-02, -3.08593750e-01, -9.03320312e-02,  8.44726562e-02,
         4.21875000e-01,  1.56250000e-01, -1.78710938e-01, -1.50390625e-01,
        -4.12109375e-01, -2.37304688e-01, -1.34765625e-01,  1.40625000e-01,
        -5.78613281e-02,  5.22460938e-02,  1.28784180e-02,  1.76757812e-01,
         7.20214844e-03, -1.33789062e-01,  3.53515625e-01,  2.77343750e-01,
        -2.08984375e-01,  1.07421875e-01, -4.41894531e-02,  2.55859375e-01,
         9.37500000e-02, -1.58203125e-01,  5.49316406e-02, -2.45117188e-01,
        -2.81250000e-01, -9.17968750e-02,  1.24023438e-01, -2.04101562e-01,
         3.00292969e-02, -1.39648438e-01,  2.79541016e-02, -1.53320312e-01,
         2.04101562e-01, -3.39843750e-01, -2.67333984e-02,  1.79687500e-01,
         2.94189453e-02, -7.03125000e-02,  1.33789062e-01,  1.51367188e-01,
        -1.94091797e-02,  1.00585938e-01, -1.09863281e-02, -3.86718750e-01,
         1.28906250e-01,  4.54101562e-02,  1.09863281e-01, -1.93359375e-01,
         7.47070312e-02, -8.91113281e-03,  1.37695312e-01,  1.12304688e-01,
        -9.76562500e-02, -1.13281250e-01,  1.46484375e-01, -2.91748047e-02,
         2.33398438e-01, -5.05371094e-02, -2.48046875e-01,  4.56542969e-02,
         1.37695312e-01, -1.08886719e-01, -1.01562500e-01, -1.85546875e-01,
        -5.76171875e-02,  1.44531250e-01,  5.56640625e-02,  6.73828125e-02,
        -1.00097656e-02,  2.34375000e-01,  1.70898438e-01, -6.54296875e-02,
         1.43554688e-01, -3.80859375e-01, -2.00195312e-01, -3.76953125e-01,
         2.31445312e-01,  2.19726562e-02, -1.55273438e-01,  1.49414062e-01,
        -6.93359375e-02,  1.77734375e-01, -7.86132812e-02,  4.02343750e-01,
        -2.59765625e-01, -1.87500000e-01, -2.18750000e-01,  1.13769531e-01,
        -6.98242188e-02,  3.41796875e-01, -2.19726562e-02, -6.74438477e-03,
        -8.74023438e-02,  7.17773438e-02, -3.65234375e-01,  2.92968750e-01,
         5.58471680e-03,  1.72851562e-01, -3.51562500e-02,  1.82617188e-01,
         2.83203125e-01,  1.30004883e-02,  2.47070312e-01,  3.73535156e-02,
        -2.63671875e-01, -2.79296875e-01,  9.32617188e-02, -8.20312500e-02,
        -3.12500000e-01, -3.90625000e-02,  1.53320312e-01,  1.49414062e-01,
         2.06298828e-02, -1.97753906e-02,  9.27734375e-02,  2.87109375e-01,
         7.17773438e-02, -5.85937500e-02, -1.71875000e-01,  3.73046875e-01,
         9.82666016e-03,  1.48437500e-01,  8.97216797e-03, -1.67968750e-0
1],
       dtype=float32),
 'paid': array([ 3.88183594e-02,  1.04980469e-01,  1.09863281e-02,  5.46875
000e-02,
         5.54199219e-02, -5.20019531e-02,  5.15136719e-02,  1.89208984e-02,
         2.23632812e-01, -2.00195312e-02,  1.53320312e-01,  3.46679688e-02,
         3.24707031e-02, -3.51562500e-02, -1.37329102e-02,  4.53125000e-01,
         2.19726562e-01, -1.28906250e-01,  1.19628906e-01,  3.59375000e-01,
        -1.60156250e-01,  1.86767578e-02,  1.19140625e-01,  1.94335938e-01,
         2.19726562e-02, -1.43554688e-01, -1.13281250e-01, -5.39550781e-02,
        -2.47070312e-01, -5.22460938e-02, -2.19726562e-02, -2.03125000e-01,
        -4.51660156e-02,  3.83377075e-04,  1.45507812e-01, -2.79296875e-01,
         8.59375000e-02,  5.00488281e-02, -1.04980469e-01, -1.38549805e-02,
         2.26562500e-01, -8.69140625e-02,  1.11083984e-02, -3.14453125e-01,
        -1.89453125e-01, -3.30078125e-01,  6.54296875e-02, -2.30712891e-02,
        -2.97851562e-02, -9.57031250e-02,  2.18505859e-02, -2.44140625e-01,
         1.61132812e-01,  1.44042969e-02, -1.85546875e-01,  1.33789062e-01,
        -5.00488281e-02,  1.21582031e-01, -9.61914062e-02, -2.72216797e-02,
```

```
         4.32128906e-02,  7.76367188e-02, -2.55859375e-01,  2.22656250e-01,
         1.05468750e-01, -1.70898438e-01, -1.48437500e-01, -2.34375000e-02,
         6.44531250e-02, -1.25000000e-01,  6.39648438e-02, -1.26342773e-02,
         2.70996094e-02,  4.39453125e-02,  3.85742188e-02,  3.75976562e-02,
         1.39648438e-01,  3.33984375e-01, -3.71093750e-01, -1.24023438e-01,
        -1.10839844e-01, -4.41894531e-02, -3.41796875e-02,  2.27539062e-01,
        -1.66015625e-01, -2.03125000e-01,  1.81640625e-01,  4.76074219e-02,
        -1.30004883e-02,  1.18164062e-01,  3.24218750e-01,  2.46093750e-01,
         2.09960938e-01, -2.25585938e-01,  1.68609619e-03, -2.79296875e-01,
        -1.04980469e-01,  3.80859375e-02,  8.98437500e-02, -7.81250000e-02,
        -1.48437500e-01, -1.94335938e-01, -1.35742188e-01,  1.05468750e-01,
         2.78320312e-02, -7.22656250e-02, -1.00097656e-01,  8.17871094e-03,
         7.71484375e-02, -1.36718750e-01,  1.35742188e-01, -3.32031250e-02,
         7.78198242e-03,  1.32812500e-01,  1.65557861e-03, -9.17968750e-02,
         1.81640625e-01, -1.12304688e-01,  3.68652344e-02,  1.59179688e-01,
         3.80859375e-02, -1.48437500e-01,  9.27734375e-02,  9.09423828e-03,
         3.41796875e-02,  1.87500000e-01, -2.86865234e-02, -2.34375000e-01,
         6.59179688e-02, -2.05078125e-01, -5.83496094e-02, -7.81250000e-02,
        -1.42578125e-01, -2.33154297e-02, -2.12890625e-01, -2.44140625e-01,
        -2.47070312e-01,  2.69531250e-01, -1.25976562e-01,  2.28515625e-01,
        -2.01171875e-01, -1.13525391e-02, -1.18652344e-01, -6.54296875e-02,
        -1.21582031e-01,  5.66406250e-02,  4.90722656e-02,  1.77383423e-04,
        -1.52343750e-01, -2.18750000e-01,  1.03759766e-02,  2.15820312e-01,
         4.27246094e-02, -6.59179688e-02, -1.01562500e-01,  4.22363281e-02,
        -1.42578125e-01, -2.47070312e-01, -2.70996094e-02,  6.29882812e-02,
         7.66601562e-02,  6.68945312e-02,  6.59179688e-02,  9.57031250e-02,
        -5.34667969e-02, -6.88476562e-02,  5.39550781e-02, -2.89062500e-01,
        -1.74560547e-02,  4.98046875e-02, -2.40234375e-01, -2.14843750e-01,
         6.98242188e-02, -2.36328125e-01, -2.01416016e-02, -6.37817383e-03,
         1.96289062e-01, -2.47802734e-02,  2.03857422e-02, -3.58886719e-02,
        -5.39550781e-02,  3.66210938e-02, -5.76171875e-02,  2.79296875e-01,
        -9.13085938e-02, -1.04492188e-01,  3.32031250e-02,  4.17480469e-02,
         2.41699219e-02,  2.11181641e-02,  4.12597656e-02,  1.25000000e-01,
        -1.08398438e-01, -1.09863281e-01, -1.52343750e-01,  1.67968750e-01,
         1.37695312e-01,  1.11816406e-01, -1.37329102e-02,  3.90625000e-02,
         4.00390625e-02,  2.85156250e-01,  4.32128906e-02, -6.03027344e-02,
        -1.17187500e-01, -1.54296875e-01, -2.73437500e-01,  1.04980469e-01,
         5.22460938e-02, -1.74560547e-02,  2.51953125e-01,  4.93164062e-02,
         7.95898438e-02,  2.53906250e-02,  1.11816406e-01,  1.46484375e-01,
         9.17968750e-02,  1.02539062e-01, -1.96533203e-02, -1.19628906e-01,
         3.19824219e-02,  5.34667969e-02,  2.05078125e-01, -2.57812500e-01,
         1.65039062e-01,  1.07910156e-01,  8.78906250e-03,  7.76367188e-02,
        -3.39355469e-02, -1.08398438e-01,  1.29882812e-01, -3.22265625e-01,
         2.87109375e-01,  6.12792969e-02,  1.34277344e-02,  8.78906250e-02,
         1.77734375e-01, -8.20312500e-02,  8.54492188e-02, -1.32812500e-01,
         1.86523438e-01, -1.71875000e-01,  6.00585938e-02, -1.98242188e-01,
         1.38671875e-01,  2.03125000e-01,  8.15429688e-02,  2.42187500e-01,
         1.15234375e-01, -2.55859375e-01,  1.54296875e-01,  8.15429688e-02,
         3.64685059e-03,  9.37500000e-02,  5.49316406e-02,  8.88671875e-02,
         3.71093750e-02,  6.04248047e-03,  6.15234375e-02,  6.98242188e-02,
         2.83203125e-02,  9.66796875e-02, -1.25976562e-01,  1.73828125e-01,
        -4.90722656e-02,  7.76367188e-02, -1.18164062e-01, -7.66601562e-02,
         1.31835938e-01, -3.78417969e-02,  1.04003906e-01,  6.17675781e-02,
         1.28906250e-01, -2.90527344e-02,  1.56250000e-01,  2.24304199e-03,
        -2.21679688e-01,  8.39843750e-02, -2.25585938e-01,  8.64257812e-02,
        -2.16796875e-01,  1.63085938e-01,  1.10839844e-01,  2.53906250e-01,
        -2.92968750e-02, -1.31835938e-01, -2.69775391e-02,  3.47656250e-01,
         2.89062500e-01, -3.58886719e-02, -1.42578125e-01, -3.46679688e-02,
        -1.45507812e-01,  1.17675781e-01, -3.41796875e-02,  1.06933594e-01,
         1.06445312e-01, -1.25976562e-01,  1.02050781e-01, -7.17773438e-0
2],
       dtype=float32),
 'time': array([-4.73632812e-02,  1.87500000e-01,  2.25830078e-03,  1.73828
125e-01,
```

```
-1.59912109e-02, -1.50390625e-01,  1.13769531e-01, -1.55029297e-02,
 2.19726562e-01, -1.01318359e-02,  1.50146484e-02, -1.03515625e-01,
 5.34057617e-03, -6.59179688e-02, -1.92382812e-01,  3.89099121e-03,
 1.42211914e-02,  8.30078125e-02,  1.30859375e-01, -1.95312500e-01,
-1.19628906e-01, -9.57031250e-02, -4.90722656e-02,  6.10351562e-03,
-1.31225586e-02,  1.25976562e-01,  5.37109375e-02,  4.56542969e-02,
 3.32031250e-02,  1.56250000e-01,  1.33666992e-02,  4.39453125e-02,
-4.68750000e-02,  1.39648438e-01,  1.58203125e-01, -4.88281250e-02,
 1.11694336e-02, -1.96289062e-01, -7.17773438e-02,  1.82617188e-01,
 1.36718750e-01, -7.37304688e-02,  1.73828125e-01, -8.69140625e-02,
-1.83105469e-02,  5.61523438e-02, -1.62353516e-02,  1.57226562e-01,
-4.76074219e-02,  8.25195312e-02,  4.58984375e-02, -1.33789062e-01,
-3.32031250e-02, -2.62451172e-02, -9.32617188e-02,  5.54199219e-02,
 1.57226562e-01,  6.93359375e-02,  3.01513672e-02, -9.22851562e-02,
-1.03027344e-01, -1.01470947e-03, -4.54101562e-02, -1.72851562e-01,
 1.34277344e-02,  3.24707031e-02, -1.19018555e-02,  2.91748047e-02,
-1.11328125e-01, -7.03125000e-02,  3.68652344e-02,  4.46777344e-02,
-9.08203125e-02,  6.95800781e-03, -2.89306641e-02, -8.44726562e-02,
 1.15722656e-01,  6.03027344e-02,  6.88476562e-02,  2.04101562e-01,
 1.05468750e-01,  7.61718750e-02,  9.66796875e-02, -1.25976562e-01,
 7.53784180e-03, -6.34765625e-02, -1.04980469e-02,  7.32421875e-02,
 6.64062500e-02,  1.24511719e-01,  4.34570312e-02,  3.12500000e-02,
-3.17382812e-02, -1.79687500e-01, -2.36328125e-01, -2.30468750e-01,
-8.64257812e-02,  6.29882812e-02,  8.15429688e-02,  4.10156250e-02,
 1.94091797e-02, -8.59375000e-02, -2.30712891e-02, -5.39550781e-02,
-1.16699219e-01, -3.06396484e-02,  2.22167969e-02,  8.54492188e-02,
 8.64257812e-02, -1.05590820e-02,  7.95898438e-02,  2.47802734e-02,
 9.17968750e-02,  5.83496094e-02,  1.73339844e-02,  2.38037109e-02,
 8.93554688e-02, -7.03125000e-02, -3.66210938e-02, -2.33154297e-02,
-2.03125000e-01, -5.46875000e-02,  6.44531250e-02,  1.30859375e-01,
-6.10351562e-02,  1.19628906e-02,  1.01074219e-01, -4.32128906e-02,
-7.86132812e-02,  7.47070312e-02, -5.32226562e-02, -2.23632812e-01,
-7.32421875e-02, -5.39550781e-02, -8.59375000e-02, -2.83203125e-01,
-2.18505859e-02,  3.41796875e-02,  1.27563477e-02,  2.66113281e-02,
 1.51367188e-01, -9.37500000e-02,  5.56640625e-02, -8.64257812e-02,
-6.34765625e-02,  1.17675781e-01, -9.86328125e-02, -7.51953125e-02,
-1.37695312e-01, -5.24902344e-02,  2.03857422e-02,  1.51367188e-01,
-4.66308594e-02,  9.03320312e-03,  8.64257812e-02, -1.49414062e-01,
 5.02929688e-02, -1.45507812e-01, -6.15234375e-02, -2.49023438e-01,
-5.12695312e-02,  1.99218750e-01,  1.48437500e-01, -9.71679688e-02,
-3.12500000e-02,  9.61914062e-02, -9.37500000e-02, -1.71661377e-04,
 7.76367188e-02, -6.03027344e-02,  1.22070312e-03, -7.27539062e-02,
-8.25195312e-02, -1.51367188e-01,  2.75878906e-02, -2.70996094e-02,
-1.83105469e-02, -8.05664062e-02,  7.56835938e-02, -4.51660156e-02,
 2.67333984e-02,  2.75878906e-02,  5.73730469e-02, -3.68652344e-02,
 3.93066406e-02, -1.85546875e-01, -2.51464844e-02, -1.87988281e-02,
 1.59179688e-01, -1.04980469e-01,  7.08007812e-02,  4.45556641e-03,
-4.73022461e-03,  3.97949219e-02, -1.05468750e-01,  2.07031250e-01,
 1.07421875e-01,  3.80859375e-02, -1.99218750e-01, -1.75781250e-01,
-2.41699219e-02,  1.20117188e-01,  2.12402344e-02,  1.74804688e-01,
 1.43554688e-01, -1.28906250e-01, -1.95312500e-01,  1.17187500e-01,
 2.80761719e-03, -5.37109375e-02,  7.47070312e-02,  3.41796875e-02,
-2.11914062e-01,  4.39453125e-02, -1.36718750e-01, -4.95605469e-02,
 5.29785156e-02, -3.83300781e-02, -4.95605469e-02,  1.67846680e-03,
-5.76171875e-02, -9.94873047e-03, -1.95312500e-02, -6.10351562e-02,
-2.62451172e-02,  4.51660156e-02,  7.27539062e-02, -4.19921875e-02,
 3.68652344e-02,  5.98144531e-02,  4.10156250e-02, -4.80957031e-02,
-5.93261719e-02, -7.12890625e-02, -3.17382812e-02,  3.29589844e-02,
 1.64794922e-02, -6.68945312e-02, -9.32617188e-02, -6.54296875e-02,
-1.11694336e-02,  1.03149414e-02,  6.34765625e-02, -2.94921875e-01,
-4.15039062e-02, -1.78710938e-01, -3.05175781e-02,  9.47265625e-02,
 1.24511719e-02, -1.83105469e-02,  3.34472656e-02,  4.85839844e-02,
-7.23266602e-03,  7.61718750e-02, -3.73535156e-02,  5.46875000e-02,
 9.91210938e-02, -2.78320312e-02, -7.03125000e-02, -3.51562500e-02,
```

```
        -8.49609375e-02, -1.54296875e-01, -7.32421875e-02, -1.83105469e-03,
         5.54199219e-02,  1.84326172e-02,  1.04003906e-01,  1.18164062e-01,
        -6.88476562e-02, -7.81250000e-03,  1.24023438e-01,  1.28906250e-01,
         2.04101562e-01,  1.25976562e-01,  2.92968750e-02, -6.88476562e-02,
        -1.76757812e-01, -1.85546875e-01,  7.47070312e-02, -1.43554688e-01,
        -3.32031250e-02, -1.39648438e-01,  1.71661377e-03,  5.49316406e-02,
        -3.46679688e-02, -7.76367188e-02, -8.59375000e-02,  3.75976562e-02,
         3.63769531e-02,  1.43554688e-01, -1.58203125e-01,  3.17382812e-02,
        -1.79687500e-01, -1.62109375e-01, -3.80859375e-02, -6.34765625e-02,
        -1.03027344e-01, -3.55529785e-03, -6.25000000e-02, -5.56640625e-0
2],
       dtype=float32),
 'assistance': array([ 0.15429688, -0.20507812, -0.08300781,  0.11132812, -
0.08251953,
         0.296875  , -0.04223633, -0.15234375,  0.05371094, -0.484375  ,
         0.03881836,  0.07861328, -0.125     ,  0.328125  ,  0.07714844,
        -0.04785156,  0.12207031, -0.01104736,  0.02624512, -0.17382812,
         0.22851562,  0.23730469,  0.19140625, -0.1484375 ,  0.11914062,
        -0.06103516, -0.28515625, -0.04711914, -0.0456543 , -0.19921875,
        -0.1796875 , -0.3125    , -0.19042969, -0.11181641, -0.12109375,
        -0.05419922, -0.20898438, -0.07958984, -0.1171875 , -0.03320312,
        -0.02294922,  0.09912109, -0.10498047, -0.02111816,  0.00735474,
        -0.20507812, -0.1953125 , -0.08740234, -0.06396484,  0.16113281,
         0.11523438, -0.15234375, -0.06787109,  0.03588867, -0.26953125,
        -0.265625  , -0.34179688,  0.11669922, -0.25390625, -0.11474609,
        -0.28320312, -0.13671875, -0.11962891, -0.21777344,  0.06445312,
        -0.20019531, -0.125     , -0.18847656, -0.19042969,  0.01647949,
         0.01361084, -0.29882812, -0.06396484,  0.00173187, -0.04785156,
        -0.1171875 , -0.04614258,  0.14355469,  0.19335938,  0.125     ,
         0.05053711,  0.24707031, -0.07861328,  0.24414062, -0.03344727,
        -0.04858398, -0.0703125 , -0.08007812,  0.19042969,  0.0012207 ,
         0.06103516, -0.06542969, -0.02722168, -0.26953125,  0.28125   ,
        -0.05688477, -0.05419922, -0.01220703,  0.02099609, -0.17382812,
        -0.06982422,  0.01745605, -0.03222656,  0.26367188, -0.02319336,
        -0.22265625,  0.02270508, -0.2265625 ,  0.05737305, -0.06640625,
         0.04272461, -0.01550293,  0.03955078,  0.32617188, -0.21386719,
         0.1640625 ,  0.09277344,  0.09277344,  0.1875    ,  0.18164062,
        -0.11865234,  0.28515625, -0.16894531,  0.20605469, -0.1875    ,
         0.17480469, -0.21972656, -0.01422119,  0.32421875,  0.27148438,
        -0.13867188, -0.10351562, -0.04736328, -0.14941406, -0.30664062,
        -0.16308594, -0.01385498, -0.21777344, -0.09277344,  0.20605469,
        -0.14648438,  0.18554688, -0.11376953,  0.19726562,  0.04956055,
         0.00830078, -0.26367188,  0.00662231, -0.24609375,  0.03857422,
         0.03735352, -0.01940918, -0.12890625, -0.17285156,  0.19433594,
        -0.33398438, -0.08837891,  0.14648438, -0.11816406, -0.33007812,
         0.15722656,  0.13476562, -0.16113281,  0.00897217, -0.18261719,
        -0.28125   ,  0.05517578,  0.02160645,  0.1796875 , -0.06103516,
         0.11816406,  0.10302734,  0.01928711, -0.15625   ,  0.16210938,
        -0.21679688,  0.25976562,  0.12402344, -0.19335938,  0.03369141,
        -0.33203125, -0.13378906, -0.05078125, -0.06005859, -0.24804688,
        -0.03808594, -0.05102539, -0.00613403,  0.04589844, -0.01855469,
        -0.03637695,  0.08935547,  0.28515625,  0.00354004,  0.06298828,
         0.04272461,  0.09863281, -0.36328125,  0.10839844, -0.20898438,
        -0.12011719,  0.16699219, -0.11279297, -0.02172852, -0.02124023,
        -0.11816406, -0.18164062, -0.17089844,  0.109375  ,  0.18359375,
         0.11181641, -0.20605469,  0.03979492,  0.06884766,  0.2734375 ,
         0.11621094,  0.18457031,  0.11962891, -0.31640625, -0.18457031,
        -0.02612305,  0.15429688, -0.22167969,  0.02209473, -0.12597656,
        -0.08105469,  0.10351562,  0.10742188,  0.00323486, -0.0098877 ,
         0.02050781,  0.11230469, -0.02734375, -0.17675781, -0.13476562,
        -0.11181641,  0.07421875, -0.20410156,  0.140625  ,  0.04467773,
         0.09130859,  0.24902344, -0.15722656,  0.31445312,  0.13183594,
        -0.22949219,  0.22363281, -0.27734375,  0.30078125, -0.16503906,
         0.17382812, -0.18066406, -0.04248047,  0.13476562, -0.02380371,
```

```
        -0.05957031,  0.203125  , -0.15917969, -0.2265625 ,  0.16992188,
         0.11962891, -0.03320312, -0.140625  ,  0.08105469,  0.21191406,
         0.36132812,  0.10400391,  0.17773438, -0.26953125, -0.07861328,
        -0.08984375,  0.07568359,  0.17773438,  0.06982422, -0.125     ,
         0.06689453, -0.0402832 , -0.00549316, -0.05053711, -0.04223633,
        -0.29101562,  0.00482178,  0.29492188,  0.25976562, -0.16992188,
         0.16601562,  0.04833984,  0.17089844,  0.12890625, -0.33203125,
        -0.28710938,  0.0067749 ,  0.09033203, -0.21972656,  0.29882812,
         0.11621094, -0.17675781,  0.10351562, -0.07177734,  0.07617188],
       dtype=float32),
 'retirement': array([ 1.80664062e-01,  4.46777344e-02, -3.12500000e-01,
1.40625000e-01,
         2.73437500e-01, -1.80664062e-01,  1.46484375e-01, -3.73046875e-01,
         4.92187500e-01,  7.81250000e-03,  3.43750000e-01, -3.91006470e-04,
        -1.74804688e-01,  1.31835938e-01, -1.50390625e-01, -3.34472656e-02,
         2.47070312e-01,  2.85156250e-01,  2.68554688e-02,  3.78906250e-01,
         8.05664062e-02,  1.04980469e-01,  1.61132812e-01,  1.08398438e-01,
         1.56250000e-01,  4.66308594e-02, -8.64257812e-02,  2.06054688e-01,
        -1.81640625e-01,  2.57812500e-01, -8.30078125e-02,  9.57031250e-02,
         5.61523438e-02, -2.40234375e-01, -9.61914062e-02,  4.00390625e-02,
         6.68945312e-02, -6.59179688e-02, -1.04003906e-01, -9.37500000e-02,
         1.84326172e-02,  4.27246094e-02,  3.00781250e-01, -2.49023438e-01,
        -2.42187500e-01, -1.62109375e-01, -1.02539062e-01, -1.58203125e-01,
        -5.66406250e-02,  1.65039062e-01, -4.46777344e-02, -5.76171875e-02,
        -3.02734375e-01,  9.22851562e-02, -2.00195312e-01, -1.11328125e-01,
        -2.10937500e-01, -1.94335938e-01, -7.17773438e-02, -1.88476562e-01,
        -2.00195312e-01, -1.03027344e-01,  8.88671875e-02, -4.05273438e-02,
         8.49609375e-02,  1.86767578e-02, -8.39843750e-02,  1.65039062e-01,
         6.78710938e-02,  1.84326172e-02, -6.83593750e-02, -4.63867188e-02,
         1.95312500e-01,  2.29492188e-02, -8.44726562e-02, -5.07812500e-02,
        -4.27734375e-01,  3.66210938e-02, -1.58203125e-01,  2.42919922e-02,
         3.49609375e-01, -1.31835938e-01,  1.07421875e-01,  5.11718750e-01,
         2.01171875e-01,  9.61914062e-02, -2.75390625e-01,  1.50146484e-02,
         4.00390625e-01, -5.81054688e-02,  1.77734375e-01, -7.42187500e-02,
        -5.90820312e-02,  1.62353516e-02, -5.95703125e-02, -6.59179688e-02,
         2.01171875e-01, -5.24902344e-02,  6.22558594e-02, -2.94921875e-01,
        -3.65234375e-01, -2.63671875e-02, -1.69921875e-01,  4.02343750e-01,
        -1.67968750e-01, -6.34765625e-02,  4.39453125e-01,  3.02734375e-01,
        -1.46484375e-01,  2.99072266e-03,  6.83593750e-02,  3.02734375e-01,
        -5.29785156e-02,  1.13281250e-01,  4.39453125e-02, -1.90429688e-01,
        -1.00585938e-01, -1.06201172e-02,  3.66210938e-02, -3.06396484e-02,
        -2.55859375e-01,  1.47460938e-01,  4.02832031e-02, -1.41601562e-01,
         4.72656250e-01, -1.46484375e-01,  3.92578125e-01,  5.05371094e-02,
        -1.34765625e-01, -3.49121094e-02, -1.26953125e-01, -3.00781250e-01,
        -3.88671875e-01, -2.19726562e-01, -3.90625000e-02,  1.04980469e-01,
        -4.90234375e-01,  1.23535156e-01, -5.39550781e-02,  3.76953125e-01,
        -1.66015625e-01, -2.71484375e-01, -1.24511719e-01, -8.05664062e-03,
        -5.10253906e-02,  3.54003906e-02, -2.68554688e-02,  2.28515625e-01,
         1.92382812e-01,  1.27929688e-01,  6.03027344e-02, -3.35937500e-01,
        -1.76757812e-01,  6.15234375e-02, -1.54418945e-02, -1.02050781e-01,
         3.30078125e-01, -3.41796875e-01,  8.44726562e-02, -1.20605469e-01,
        -8.34960938e-02,  1.73828125e-01, -1.20605469e-01,  1.66015625e-01,
        -1.51367188e-01, -1.55273438e-01, -2.49023438e-01,  1.51367188e-01,
         1.18164062e-01,  2.98828125e-01,  1.83593750e-01, -1.31835938e-01,
        -3.39355469e-02, -3.44238281e-02,  7.86132812e-02,  4.54101562e-02,
         1.63085938e-01,  1.44531250e-01, -4.44335938e-02, -1.04980469e-01,
        -2.50000000e-01, -2.21679688e-01, -3.85742188e-02, -1.42578125e-01,
         2.85156250e-01, -1.31835938e-01, -2.77343750e-01,  4.55078125e-01,
         3.84765625e-01,  2.39257812e-01,  5.22460938e-02,  1.50390625e-01,
        -1.15234375e-01, -2.09960938e-01,  1.15722656e-01,  2.33398438e-01,
         1.26953125e-01,  2.46093750e-01,  4.33593750e-01,  1.94335938e-01,
        -3.30078125e-01, -1.29882812e-01, -1.61132812e-01,  1.15722656e-01,
         8.74023438e-02, -1.13281250e-01, -1.98242188e-01,  6.95800781e-03,
         8.10546875e-02, -1.05468750e-01, -1.82617188e-01, -7.12890625e-02,
```

```
        -2.46582031e-02,  9.66796875e-02,  4.85839844e-02,  1.31835938e-01,
        -1.25000000e-01,  2.10937500e-01, -3.47656250e-01, -9.42382812e-02,
         1.35742188e-01, -2.19726562e-01,  9.81445312e-02, -4.74609375e-01,
         2.10937500e-01, -1.71875000e-01, -1.94091797e-02, -2.16796875e-01,
        -2.24609375e-01,  7.95898438e-02,  1.03515625e-01, -1.74804688e-01,
         1.73828125e-01, -8.00781250e-02,  2.27539062e-01, -2.00195312e-02,
        -1.57470703e-02, -2.44140625e-01, -3.61328125e-01, -1.07910156e-01,
        -2.53906250e-01,  4.17480469e-02,  8.25195312e-02, -3.86718750e-01,
        -2.46093750e-01,  5.07812500e-02,  5.29785156e-02, -6.83593750e-02,
        -7.22656250e-02, -1.30859375e-01,  2.75878906e-02,  7.56835938e-02,
         9.03320312e-02,  1.14257812e-01, -1.54296875e-01,  2.43164062e-01,
         2.22656250e-01,  6.03027344e-02, -1.66015625e-01,  4.62890625e-01,
         3.10546875e-01,  2.13623047e-02, -9.61914062e-02,  5.15625000e-01,
        -2.57568359e-02, -7.51953125e-02, -6.15234375e-02,  6.25000000e-02,
        -1.77734375e-01, -2.52685547e-02,  4.76074219e-03,  1.59179688e-01,
        -1.03759766e-02, -2.24609375e-01,  9.52148438e-03,  7.47070312e-02,
         2.08984375e-01, -2.87109375e-01, -1.71875000e-01,  1.51977539e-02,
         4.85839844e-02, -1.92382812e-01, -1.76757812e-01,  6.50024414e-03,
         1.45507812e-01,  2.51953125e-01,  1.98242188e-01, -1.17187500e-01,
         7.56835938e-02,  5.61523438e-03, -4.34570312e-02,  1.14257812e-01,
        -3.20312500e-01, -1.48437500e-01, -1.83593750e-01,  7.95898438e-02,
        -9.96093750e-02, -6.83593750e-02, -1.83593750e-01, -1.03027344e-0
1],
       dtype=float32),
 'compensation': array([ 0.01904297,  0.03833008, -0.02392578,  0.19824219,
0.296875  ,
        -0.0133667 ,  0.27148438, -0.06396484,  0.359375  , -0.06079102,
        -0.10058594,  0.14648438,  0.18457031,  0.296875  , -0.19042969,
         0.32421875, -0.04736328, -0.04101562, -0.12207031, -0.18652344,
         0.02246094,  0.08007812, -0.10009766,  0.05834961,  0.14648438,
        -0.11376953, -0.11767578, -0.13183594,  0.00741577,  0.15429688,
        -0.15722656, -0.0078125 , -0.25585938, -0.23535156, -0.02624512,
        -0.1875    ,  0.36328125,  0.18652344, -0.09082031,  0.09912109,
         0.16992188, -0.08007812,  0.01867676, -0.33984375, -0.2578125 ,
        -0.45507812,  0.17773438,  0.10546875,  0.0390625 , -0.08398438,
         0.20996094, -0.30859375,  0.0859375 ,  0.11962891, -0.421875  ,
        -0.06640625, -0.16699219,  0.03076172, -0.16503906, -0.05981445,
        -0.14257812,  0.07763672, -0.10888672,  0.03198242, -0.06640625,
         0.03198242,  0.12060547,  0.14550781,  0.09619141, -0.02941895,
        -0.13574219, -0.09423828,  0.2421875 , -0.13476562, -0.31835938,
        -0.23144531,  0.15234375, -0.06884766, -0.26757812, -0.20410156,
         0.21777344,  0.14648438, -0.30273438,  0.43164062,  0.01977539,
        -0.3046875 , -0.3515625 ,  0.12255859, -0.14648438, -0.21777344,
         0.40429688,  0.27539062, -0.40234375, -0.15820312,  0.16894531,
        -0.19921875, -0.12255859, -0.11767578,  0.48828125, -0.25      ,
         0.00259399, -0.10009766, -0.11669922,  0.390625  ,  0.18847656,
        -0.04125977,  0.25976562, -0.04858398, -0.12597656, -0.22851562,
         0.19238281,  0.10693359,  0.38671875,  0.19042969, -0.11083984,
        -0.10595703,  0.2265625 , -0.19628906,  0.11035156,  0.328125  ,
        -0.19628906,  0.36914062, -0.10986328, -0.19335938,  0.09179688,
        -0.06689453, -0.11621094, -0.37890625,  0.07861328, -0.16992188,
        -0.14648438,  0.01806641, -0.51953125, -0.05664062, -0.49023438,
         0.09570312, -0.20898438, -0.0612793 ,  0.27929688,  0.13183594,
         0.01422119,  0.2578125 ,  0.15917969,  0.05810547, -0.16699219,
        -0.140625  ,  0.00241089,  0.20410156, -0.25390625,  0.22070312,
        -0.0050354 ,  0.08056641, -0.07470703,  0.11230469,  0.13769531,
        -0.27539062,  0.11865234, -0.09716797,  0.27734375, -0.24414062,
         0.08886719,  0.02539062, -0.22265625,  0.06396484, -0.26757812,
        -0.06640625, -0.29882812, -0.30859375, -0.3046875 ,  0.1953125 ,
        -0.14746094, -0.12011719, -0.08496094, -0.16015625,  0.30859375,
        -0.10742188,  0.20117188, -0.02600098, -0.06152344,  0.12255859,
        -0.06079102,  0.11230469, -0.02111816, -0.13378906,  0.15917969,
         0.30078125,  0.18164062,  0.05639648, -0.00518799, -0.01782227,
        -0.03735352,  0.16699219, -0.16601562, -0.19628906, -0.06982422,
```

```
        -0.04418945,  0.04345703, -0.33007812,  0.08300781, -0.24609375,
        -0.24804688, -0.01733398, -0.05444336,  0.078125  , -0.14160156,
        -0.01672363, -0.16796875,  0.18457031,  0.17089844, -0.24023438,
         0.20507812, -0.03955078,  0.0098877 ,  0.19921875,  0.02941895,
         0.25976562,  0.01080322,  0.07861328,  0.03540039, -0.4375    ,
        -0.22753906, -0.02563477,  0.23339844, -0.28125   , -0.03271484,
        -0.01599121, -0.00364685,  0.10400391, -0.27539062,  0.14453125,
         0.11523438, -0.19824219,  0.0234375 ,  0.10009766, -0.23828125,
        -0.07373047,  0.10205078, -0.18164062,  0.0098877 ,  0.05615234,
        -0.03015137, -0.05395508,  0.16601562, -0.05737305,  0.05126953,
         0.13867188, -0.09179688,  0.06542969,  0.37304688, -0.10253906,
         0.06298828,  0.03833008, -0.03417969,  0.18164062,  0.10742188,
        -0.09326172,  0.04907227,  0.10351562,  0.00610352,  0.24121094,
         0.15429688,  0.03808594, -0.21386719,  0.35351562, -0.20605469,
         0.25390625, -0.04492188, -0.04516602, -0.22265625, -0.02636719,
         0.04833984,  0.22851562,  0.20117188, -0.2578125 , -0.43554688,
         0.43164062, -0.22070312,  0.07763672, -0.01696777,  0.04003906,
        -0.13867188, -0.05786133, -0.07617188,  0.27929688,  0.07080078,
         0.05737305, -0.03076172,  0.19628906, -0.03833008, -0.37695312,
         0.03466797,  0.09765625,  0.11914062, -0.04956055, -0.01379395,
         0.1328125 , -0.125     ,  0.36132812,  0.00156403, -0.0534668 ],
       dtype=float32),
 'package': array([ 2.77343750e-01,  3.85742188e-02, -3.29589844e-02,  1.41
601562e-01,
         4.85839844e-02,  1.31835938e-01, -4.21142578e-03, -4.22363281e-02,
        -9.03320312e-02, -7.56835938e-02, -1.66992188e-01, -2.85156250e-01,
         3.78417969e-02, -3.08593750e-01,  9.46044922e-03,  2.02148438e-01,
         3.46679688e-02, -3.68652344e-02,  6.78710938e-02, -4.85839844e-02,
         2.18750000e-01,  6.59179688e-02, -2.17285156e-02, -5.66406250e-02,
         4.80957031e-02,  3.76892090e-03, -1.37695312e-01,  2.30468750e-01,
         5.46875000e-02,  3.68652344e-02, -6.88476562e-02, -1.43554688e-01,
        -6.68945312e-02,  4.76074219e-02,  1.33789062e-01,  3.73535156e-02,
         3.05175781e-02,  1.04980469e-02, -6.20117188e-02,  1.48437500e-01,
         6.39648438e-02,  9.61914062e-02,  9.86328125e-02,  1.05957031e-01,
        -1.75781250e-01, -2.41210938e-01,  6.39648438e-02, -2.01171875e-01,
         6.22558594e-02,  1.37329102e-02,  7.91015625e-02,  5.20019531e-02,
         1.14257812e-01,  1.22070312e-02,  1.45507812e-01, -8.74023438e-02,
         1.06445312e-01,  5.71289062e-02, -3.90625000e-02,  3.01513672e-02,
        -1.07910156e-01,  1.13281250e-01, -1.26953125e-01,  2.17285156e-02,
         2.92968750e-01, -2.48046875e-01, -5.41992188e-02, -1.48437500e-01,
         1.31835938e-01,  6.20117188e-02,  5.71289062e-02, -7.71484375e-02,
         1.44531250e-01,  6.12792969e-02,  1.26953125e-01, -1.22558594e-01,
         1.21582031e-01,  8.49609375e-02, -1.38549805e-02, -2.96630859e-02,
         2.13867188e-01, -3.73535156e-02, -3.41796875e-01,  6.39648438e-02,
         1.21093750e-01, -1.85546875e-01, -4.63867188e-02,  5.21850586e-03,
         2.36816406e-02,  1.19140625e-01, -3.73535156e-02,  1.40625000e-01,
        -1.64062500e-01, -6.77490234e-03, -5.64575195e-03, -9.13085938e-02,
        -8.34960938e-02, -6.20117188e-02,  8.15429688e-02,  5.31673431e-05,
        -3.58886719e-02,  1.04980469e-01, -2.45361328e-02, -1.91650391e-02,
        -6.29882812e-02,  1.11816406e-01,  1.66992188e-01, -1.94335938e-01,
         6.15234375e-02, -6.59179688e-02,  1.71875000e-01,  8.88671875e-02,
         2.73437500e-01, -6.10351562e-02,  3.92578125e-01,  2.77343750e-01,
         1.94091797e-02, -1.06445312e-01,  2.53906250e-01,  1.04492188e-01,
         1.32446289e-02,  2.95410156e-02,  9.71679688e-02,  8.39843750e-02,
         8.34960938e-02, -1.15356445e-02,  1.27929688e-01, -2.25585938e-01,
         1.41601562e-01, -6.20117188e-02,  4.15039062e-02,  3.35937500e-01,
        -1.33789062e-01, -2.73437500e-01, -1.88476562e-01,  3.02734375e-01,
         4.05273438e-02,  4.73022461e-04,  7.42187500e-02,  1.17675781e-01,
        -8.44726562e-02, -7.51953125e-02,  3.93066406e-02, -1.19628906e-01,
         3.58886719e-02, -1.91406250e-01, -8.34960938e-02,  1.11328125e-01,
        -1.11328125e-01,  1.07910156e-01,  2.13623047e-02,  8.34960938e-02,
        -1.40380859e-02, -1.75781250e-01,  3.36914062e-02, -4.74609375e-01,
        -3.65234375e-01, -5.73730469e-02, -7.71484375e-02,  4.95605469e-02,
        -3.49121094e-02,  2.14843750e-02,  8.30078125e-02,  8.74023438e-02,
```

```
        -8.05664062e-03, -1.69921875e-01,  7.91015625e-02,  1.57226562e-01,
        -1.85546875e-01,  2.09960938e-01, -1.67968750e-01, -3.12500000e-02,
         1.41601562e-01,  7.12890625e-02,  3.41796875e-02,  3.32031250e-02,
         1.26953125e-01,  6.05468750e-02, -1.47460938e-01,  2.25585938e-01,
        -2.28515625e-01, -1.30859375e-01, -1.96838379e-03,  1.68945312e-01,
        -2.49023438e-02, -1.85546875e-01, -2.00195312e-01,  1.31835938e-01,
        -1.08886719e-01, -6.46972656e-03, -3.36914062e-02,  3.54003906e-02,
         1.54296875e-01, -1.74804688e-01, -2.46093750e-01, -1.14135742e-02,
         1.34765625e-01, -7.81250000e-02,  3.61328125e-02, -1.67968750e-01,
        -1.98242188e-01, -7.41577148e-03, -1.64062500e-01,  2.02148438e-01,
        -9.52148438e-03,  8.74023438e-02,  1.29882812e-01,  1.20117188e-01,
         3.69140625e-01, -1.14746094e-02,  7.12890625e-02,  4.51660156e-02,
        -1.26953125e-01,  3.00781250e-01,  2.24609375e-02,  2.21679688e-01,
         3.10546875e-01,  4.49218750e-02, -3.49609375e-01,  4.66308594e-02,
         1.65039062e-01, -3.06640625e-01, -2.44140625e-03,  2.21679688e-01,
        -2.91015625e-01, -7.32421875e-02,  7.86132812e-02, -2.11181641e-02,
         5.37109375e-02,  2.22167969e-02,  2.38281250e-01,  5.07812500e-02,
         9.66796875e-02, -1.30859375e-01, -1.10351562e-01,  3.18359375e-01,
         3.18908691e-03, -9.81445312e-02,  1.52343750e-01, -6.12792969e-02,
         1.29882812e-01,  2.06054688e-01, -1.27929688e-01, -1.35742188e-01,
         4.21875000e-01, -9.13085938e-02, -1.16699219e-01,  1.05468750e-01,
         1.64062500e-01,  5.88989258e-03, -7.08007812e-02,  2.02148438e-01,
        -1.45507812e-01,  6.49414062e-02, -7.76367188e-02,  2.34375000e-01,
        -9.13085938e-02, -5.07812500e-02, -1.12915039e-02, -1.90429688e-01,
         2.19726562e-01,  4.12597656e-02, -4.33593750e-01, -4.29687500e-02,
        -5.81054688e-02,  1.62109375e-01, -1.75781250e-02, -1.65039062e-01,
        -6.01562500e-01, -2.46582031e-02,  1.71875000e-01,  7.37304688e-02,
         3.51562500e-02, -1.31835938e-01,  5.40161133e-03,  9.76562500e-02,
         1.91406250e-01, -3.28125000e-01, -2.32421875e-01, -3.73535156e-02,
        -2.01171875e-01, -3.06701660e-03,  6.25000000e-02,  1.93359375e-01,
        -8.74023438e-02, -8.15429688e-02, -1.05957031e-01, -4.63867188e-02,
         2.26562500e-01, -1.00097656e-01, -1.86523438e-01, -2.50000000e-01,
         1.71875000e-01, -4.34570312e-02, -1.12915039e-02,  6.05468750e-02,
        -2.36328125e-01, -5.85937500e-02,  1.04492188e-01, -2.59765625e-0
1],
       dtype=float32),
 'bonus': array([ 2.51953125e-01, -6.68945312e-02, -7.78198242e-03,  1.2695
3125e-02,
         4.00390625e-01,  9.52148438e-02,  8.25195312e-02, -1.47705078e-02,
        -3.03649902e-03,  2.44140625e-01, -9.86328125e-02, -2.81250000e-01,
         2.85156250e-01,  1.75781250e-01, -5.54199219e-02,  1.65039062e-01,
         2.51953125e-01, -7.95898438e-02,  6.44531250e-02,  1.75781250e-02,
         2.13867188e-01, -1.37695312e-01,  3.12500000e-02, -2.50244141e-02,
         1.33789062e-01, -1.02050781e-01, -2.55859375e-01,  6.64062500e-02,
         8.54492188e-02, -7.08007812e-02, -5.61523438e-02,  1.45507812e-01,
         1.39648438e-01, -2.42187500e-01, -3.14331055e-03, -2.45117188e-01,
         2.22656250e-01,  1.46484375e-01, -1.47094727e-02, -4.79125977e-03,
         2.33398438e-01, -2.35351562e-01,  2.61718750e-01,  8.69140625e-02,
        -2.18750000e-01, -3.12500000e-01,  2.18750000e-01, -1.70898438e-01,
        -1.14746094e-02, -1.72851562e-01,  9.52148438e-02, -9.03320312e-02,
         1.25976562e-01, -3.83300781e-02, -4.80957031e-02,  8.44726562e-02,
        -1.56250000e-01, -2.77343750e-01,  7.42187500e-02, -1.70898438e-01,
        -1.41601562e-01,  1.63574219e-02, -1.60156250e-01, -3.30078125e-01,
         1.00097656e-01, -8.20312500e-02, -3.20312500e-01, -1.33666992e-02,
         1.79687500e-01,  1.25000000e-01, -3.26156616e-04, -3.57421875e-01,
         8.39843750e-02, -3.22265625e-02, -3.71093750e-02, -2.01171875e-01,
         2.43164062e-01,  4.05273438e-02, -3.35937500e-01,  1.72119141e-02,
         1.99890137e-03, -2.34375000e-01, -2.09960938e-02,  4.41406250e-01,
         1.50390625e-01, -1.98242188e-01,  4.34570312e-02,  1.17675781e-01,
        -7.22656250e-02, -4.12597656e-02,  1.56250000e-01,  3.63281250e-01,
        -2.81250000e-01, -2.24609375e-01,  8.88671875e-02, -2.91015625e-01,
         1.64062500e-01,  9.42382812e-02,  1.82617188e-01, -2.79296875e-01,
         2.62451172e-02,  6.78710938e-02, -1.89453125e-01,  1.61132812e-01,
        -4.12597656e-02, -4.37500000e-01,  3.11279297e-02, -1.72851562e-01,
```

```
        -1.76757812e-01, -1.54296875e-01,  1.93359375e-01, -1.60156250e-01,
         3.30078125e-01,  7.56835938e-02,  1.17187500e-01, -3.14941406e-02,
         1.58203125e-01, -6.44531250e-02,  4.51660156e-02,  5.56640625e-02,
        -1.51367188e-01, -1.02050781e-01, -8.83789062e-02, -1.13769531e-01,
         8.78906250e-02, -1.08886719e-01,  1.99218750e-01, -2.13867188e-01,
         3.36914062e-02,  5.56640625e-02, -1.33789062e-01, -1.54418945e-02,
        -1.73828125e-01, -1.73828125e-01, -1.06445312e-01,  1.27929688e-01,
        -2.36328125e-01,  3.14453125e-01,  4.68750000e-02,  3.39843750e-01,
        -4.61425781e-02, -1.40625000e-01,  2.23632812e-01, -6.20117188e-02,
         4.66308594e-02, -2.38037109e-02, -1.10839844e-01,  3.49609375e-01,
         2.78320312e-02,  4.71191406e-02, -1.84570312e-01,  2.32421875e-01,
        -2.84423828e-02,  7.65991211e-03,  9.22851562e-02, -1.07910156e-01,
         1.41601562e-01, -7.76367188e-02,  1.25000000e-01,  3.02734375e-02,
        -5.66406250e-02, -2.06054688e-01, -3.08227539e-03,  2.92968750e-01,
        -3.20312500e-01, -2.98828125e-01,  2.25830078e-02, -2.43164062e-01,
        -2.08007812e-01,  4.86328125e-01, -2.59765625e-01, -6.29882812e-02,
        -7.32421875e-04,  1.41601562e-01,  6.29882812e-02, -1.14257812e-01,
        -1.98242188e-01, -7.76367188e-02,  1.48437500e-01,  1.44531250e-01,
        -9.17968750e-02, -1.50390625e-01,  1.25976562e-01, -6.05468750e-02,
        -3.83300781e-02, -8.83789062e-02, -2.62451172e-02,  9.08203125e-02,
        -1.63574219e-02, -7.56835938e-02, -8.74023438e-02, -1.48437500e-01,
        -4.41894531e-02, -1.83593750e-01,  1.50390625e-01, -8.34960938e-02,
        -1.90429688e-01, -1.01562500e-01, -2.39257812e-01, -1.54296875e-01,
         1.01074219e-01, -1.83105469e-02, -2.19726562e-01,  1.85546875e-02,
         9.76562500e-02, -7.37304688e-02, -3.84765625e-01,  4.27246094e-02,
        -2.58789062e-02, -1.64794922e-02,  1.70898438e-01,  1.05468750e-01,
         6.98852539e-03,  2.39257812e-01,  9.76562500e-02,  4.14062500e-01,
         4.55078125e-01,  5.85937500e-02, -4.98046875e-02, -3.47656250e-01,
        -1.31835938e-01, -1.69677734e-02,  2.05078125e-01, -2.50000000e-01,
        -4.00390625e-02,  2.26562500e-01, -1.94335938e-01, -1.31835938e-01,
         5.85937500e-02, -1.03027344e-01, -1.06933594e-01, -1.51367188e-01,
         9.47265625e-02,  6.49414062e-02, -7.51953125e-02, -2.28881836e-03,
         1.85546875e-01, -1.45507812e-01,  5.83496094e-02,  2.16796875e-01,
        -8.44726562e-02,  2.57812500e-01, -1.72119141e-02, -2.83203125e-01,
        -1.16577148e-02, -7.22656250e-02, -1.43554688e-01,  2.35351562e-01,
         1.00097656e-01, -1.28906250e-01, -2.83203125e-01, -4.95605469e-02,
        -1.32446289e-02,  2.31933594e-03, -1.76757812e-01,  3.00781250e-01,
         1.83593750e-01, -3.24707031e-02, -8.78906250e-02,  1.79687500e-01,
         2.20703125e-01,  3.24218750e-01, -5.00000000e-01,  1.18164062e-01,
        -2.50000000e-01, -1.07421875e-01, -1.54876709e-03, -8.49609375e-02,
        -3.24218750e-01, -2.89062500e-01,  2.38281250e-01, -1.18652344e-01,
        -1.50390625e-01, -4.17480469e-02, -1.47705078e-02,  3.57421875e-01,
        -5.49316406e-03, -2.68554688e-02, -5.59082031e-02,  1.91406250e-01,
        -1.32812500e-01,  3.19824219e-02, -2.65625000e-01,  1.94335938e-01,
        -1.03027344e-01, -9.27734375e-03, -2.47802734e-02, -4.98046875e-02,
         2.68554688e-02, -2.87109375e-01,  2.80761719e-02,  4.27246094e-02,
        -1.57226562e-01, -4.57031250e-01, -3.29589844e-02, -2.36328125e-01,
        -1.49414062e-01, -7.61718750e-02,  8.54492188e-02, -3.82812500e-0
1],
       dtype=float32),
 'opportunity': array([-0.02563477,  0.20410156,  0.04418945, -0.00704956,
0.03540039,
         0.02050781,  0.20996094, -0.22265625, -0.01239014,  0.05517578,
        -0.3828125 , -0.04003906,  0.20996094, -0.27734375, -0.26367188,
         0.02832031,  0.03222656,  0.33398438,  0.20800781, -0.21386719,
         0.13867188, -0.00579834,  0.08007812,  0.15429688, -0.01647949,
         0.08300781, -0.00854492,  0.1484375 , -0.16894531,  0.2578125 ,
         0.02172852,  0.05273438, -0.0168457 , -0.08789062,  0.20703125,
         0.15917969,  0.18457031, -0.37304688,  0.00500488, -0.0625    ,
        -0.16503906, -0.10693359,  0.13476562,  0.05151367, -0.01721191,
        -0.1875    , -0.20410156,  0.21191406, -0.1640625 , -0.15527344,
        -0.00775146,  0.07324219, -0.00256348,  0.12304688, -0.13476562,
         0.08398438,  0.15527344, -0.09521484,  0.24121094, -0.12353516,
        -0.02246094, -0.18652344, -0.23144531, -0.21289062, -0.20800781,
```

```
        -0.05297852, -0.09082031,  0.09667969, -0.03125   ,  0.12060547,
        -0.1640625 ,  0.03759766,  0.10253906, -0.06298828,  0.11767578,
        -0.20019531, -0.00891113,  0.20996094,  0.09179688, -0.00405884,
        -0.10205078,  0.2265625 ,  0.05444336, -0.01696777, -0.18261719,
        -0.17675781, -0.06689453, -0.09326172, -0.00891113, -0.06152344,
         0.24902344, -0.03442383, -0.09960938, -0.14160156,  0.0402832 ,
        -0.12109375, -0.31054688,  0.43554688,  0.1796875 , -0.29882812,
        -0.00994873, -0.12207031,  0.00439453,  0.05712891,  0.12792969,
        -0.0625    ,  0.04711914, -0.18066406,  0.08203125, -0.0534668 ,
        -0.16113281,  0.04882812, -0.03466797,  0.03662109,  0.17089844,
         0.08056641,  0.21777344, -0.11181641, -0.04443359, -0.16894531,
        -0.00506592, -0.20605469,  0.05053711,  0.02893066, -0.06298828,
         0.03198242, -0.01623535,  0.00970459, -0.04638672,  0.33007812,
         0.02258301, -0.15234375, -0.09228516,  0.10449219,  0.08740234,
        -0.296875  , -0.15625   , -0.08984375,  0.12792969,  0.22265625,
        -0.02868652,  0.03344727,  0.08300781,  0.05932617,  0.03491211,
         0.06396484, -0.01043701, -0.12109375, -0.0859375 ,  0.02270508,
         0.1015625 ,  0.27734375, -0.19335938,  0.05273438,  0.11669922,
         0.0267334 ,  0.04638672, -0.32421875, -0.22070312, -0.3046875 ,
        -0.05371094,  0.15136719,  0.07275391, -0.00057983,  0.17871094,
        -0.01660156,  0.13964844, -0.09130859,  0.02478027,  0.09814453,
        -0.01397705,  0.32617188, -0.15234375, -0.30273438,  0.32421875,
         0.03173828, -0.06542969, -0.19628906,  0.04956055,  0.125     ,
        -0.12695312,  0.140625  ,  0.16699219, -0.09375   , -0.125     ,
        -0.33789062, -0.05664062,  0.04980469,  0.30664062, -0.06494141,
        -0.21386719, -0.06103516,  0.16015625, -0.14746094, -0.02526855,
         0.08642578,  0.16992188,  0.20703125, -0.03173828, -0.3125    ,
         0.09765625,  0.03808594,  0.13378906, -0.2578125 ,  0.21679688,
        -0.07519531, -0.03808594,  0.10302734, -0.03344727,  0.01019287,
         0.13378906,  0.39257812, -0.16894531,  0.08642578,  0.02111816,
         0.01306152,  0.27148438,  0.05395508,  0.18261719, -0.09130859,
        -0.01092529,  0.00540161, -0.34179688, -0.04516602,  0.01275635,
        -0.05444336,  0.15039062, -0.20214844, -0.02514648, -0.03295898,
        -0.28710938,  0.16015625, -0.0456543 , -0.17089844,  0.19433594,
         0.04345703, -0.06005859,  0.10742188,  0.0612793 ,  0.08447266,
        -0.20898438, -0.09228516, -0.06738281, -0.13867188,  0.05688477,
        -0.01904297, -0.02539062, -0.06787109,  0.05517578, -0.15332031,
         0.15136719, -0.05395508, -0.02331543,  0.03100586,  0.05932617,
         0.15234375,  0.19335938, -0.02905273, -0.25585938, -0.19921875,
        -0.390625  ,  0.16503906, -0.16503906,  0.05078125,  0.06396484,
         0.06884766,  0.26367188,  0.29492188, -0.34179688, -0.06347656,
         0.17871094,  0.1953125 ,  0.0703125 ,  0.22753906,  0.05273438,
        -0.10205078,  0.15722656,  0.02880859, -0.05273438,  0.16113281,
        -0.24902344, -0.2265625 ,  0.03637695,  0.203125  , -0.4140625 ,
         0.01452637,  0.14453125,  0.06982422, -0.1484375 , -0.12695312,
        -0.22265625, -0.03271484, -0.33203125, -0.20800781, -0.07519531,
         0.07470703,  0.0062561 ,  0.125     , -0.17578125, -0.2578125 ],
       dtype=float32),
 'patient': array([-3.46679688e-02,  2.50000000e-01,  9.03320312e-02,  1.81
640625e-01,
        -9.86328125e-02,  7.08007812e-02,  2.70996094e-02,  5.32226562e-02,
         1.30859375e-01, -3.47656250e-01, -3.12500000e-01, -2.03125000e-01,
         1.54296875e-01, -3.14941406e-02,  5.83496094e-02, -1.98974609e-02,
         1.14746094e-01,  2.19726562e-01, -1.66015625e-01,  1.18164062e-01,
         5.07812500e-02, -2.90527344e-02,  1.06933594e-01,  2.23632812e-01,
        -1.20239258e-02, -4.66308594e-02, -4.02343750e-01,  3.66210938e-02,
         1.41601562e-01, -1.15234375e-01, -4.93164062e-02,  2.74658203e-02,
        -2.94921875e-01, -8.59375000e-02, -4.70703125e-01,  6.20117188e-02,
         1.71875000e-01,  1.41601562e-01,  3.66210938e-02, -1.98974609e-02,
        -7.91015625e-02,  1.04980469e-01, -1.08886719e-01, -3.61328125e-02,
         1.24023438e-01, -2.79296875e-01,  1.10351562e-01,  1.78710938e-01,
         1.56250000e-01,  7.08007812e-02, -1.21582031e-01, -1.07910156e-01,
        -1.76757812e-01, -5.68847656e-02,  1.26953125e-01, -1.14257812e-01,
        -1.48437500e-01,  2.85156250e-01,  2.35351562e-01,  1.28906250e-01,
```

```
        -2.53906250e-01,  7.47680664e-03,  3.03955078e-02, -9.08203125e-02,
         3.12500000e-01,  3.10546875e-01, -1.34765625e-01, -6.68945312e-02,
         1.82617188e-01, -1.76757812e-01, -5.29785156e-02, -3.88183594e-02,
         1.74804688e-01, -3.24218750e-01, -2.94921875e-01,  1.45507812e-01,
         7.71484375e-02, -2.03125000e-01,  2.29492188e-01,  2.48046875e-01,
        -1.60156250e-01, -2.88085938e-02,  8.64257812e-02, -1.13281250e-01,
         1.07910156e-01, -7.61718750e-02, -2.57812500e-01,  1.06445312e-01,
         2.72216797e-02,  1.22558594e-01,  3.10546875e-01, -6.54296875e-02,
         1.25976562e-01,  4.05273438e-02,  7.12890625e-02,  1.51977539e-02,
         2.27539062e-01,  6.15234375e-02, -1.30859375e-01, -6.78710938e-02,
         1.66992188e-01, -3.82812500e-01,  1.19628906e-01, -1.88476562e-01,
         6.07910156e-02,  1.94091797e-02, -6.64062500e-02, -4.39453125e-02,
         2.12890625e-01, -2.68554688e-02,  7.17773438e-02, -3.66210938e-02,
         2.23388672e-02, -2.27539062e-01,  1.86767578e-02, -4.80957031e-02,
        -1.16210938e-01, -2.65625000e-01,  1.67968750e-01,  1.66015625e-01,
        -3.63281250e-01, -6.03027344e-02, -1.28906250e-01,  1.32812500e-01,
        -6.49414062e-02, -1.41601562e-01,  8.10546875e-02, -2.07031250e-01,
         6.39648438e-02,  1.40625000e-01, -5.51757812e-02, -2.02148438e-01,
        -1.65039062e-01, -1.27929688e-01,  3.24707031e-02, -2.38281250e-01,
        -2.60009766e-02,  5.95703125e-02,  5.15136719e-02,  2.09960938e-01,
        -1.71661377e-03, -3.66210938e-02, -3.11279297e-02,  1.09863281e-01,
        -8.93554688e-02,  5.71289062e-02,  1.61132812e-01,  1.40625000e-01,
        -2.00195312e-01, -8.59375000e-02,  1.71875000e-01, -2.38037109e-02,
        -1.54296875e-01,  9.13085938e-02, -1.05500221e-05, -2.78320312e-02,
        -5.92041016e-03, -1.04980469e-01, -1.46484375e-01,  3.75976562e-02,
        -1.37695312e-01,  2.31445312e-01,  1.72851562e-01,  6.39648438e-02,
        -5.19531250e-01, -2.21679688e-01, -9.13085938e-02, -9.61914062e-02,
         6.37817383e-03, -1.85546875e-01,  6.39648438e-02, -1.51367188e-01,
        -1.57226562e-01, -1.16210938e-01, -3.39355469e-02, -9.86328125e-02,
         5.39550781e-02,  1.43554688e-01, -4.10156250e-02, -1.05957031e-01,
        -4.76074219e-02, -1.04003906e-01,  1.56250000e-01, -1.18164062e-01,
        -1.93359375e-01,  2.10937500e-01, -6.37817383e-03,  2.40478516e-02,
        -2.14843750e-01, -1.56250000e-01, -6.62231445e-03, -2.60925293e-03,
        -6.92749023e-03,  1.81640625e-01,  1.85546875e-01, -1.79687500e-01,
         4.39453125e-03,  7.17773438e-02, -1.30859375e-01, -2.72216797e-02,
        -1.11816406e-01,  2.28515625e-01,  2.05078125e-01, -1.04492188e-01,
        -1.52343750e-01, -3.80859375e-01,  1.48437500e-01, -2.49023438e-01,
         2.59765625e-01, -4.21875000e-01, -1.15722656e-01, -2.60009766e-02,
        -2.26562500e-01, -7.86132812e-02, -8.64257812e-02, -1.27929688e-01,
         4.80957031e-02,  1.72851562e-01, -3.26171875e-01,  9.27734375e-02,
         7.32421875e-02, -1.17187500e-02,  1.27929688e-01, -2.10937500e-01,
        -8.20312500e-02,  6.54296875e-02,  1.37695312e-01, -1.56250000e-01,
        -6.74438477e-03,  2.36816406e-02, -1.90429688e-02,  3.78417969e-02,
        -8.98437500e-02, -2.83203125e-01, -3.80859375e-01, -2.83203125e-01,
        -9.03320312e-02,  2.44140625e-01, -1.14746094e-01, -6.68945312e-02,
         1.81640625e-01, -2.67578125e-01,  2.43164062e-01, -4.17968750e-01,
         4.32128906e-02,  1.27929688e-01, -8.74023438e-02,  2.55859375e-01,
        -9.71679688e-02, -6.73828125e-02,  2.11181641e-02, -1.76757812e-01,
         1.02539062e-01,  6.88476562e-02, -1.01074219e-01,  4.05273438e-02,
        -2.70996094e-02,  6.78710938e-02, -4.37011719e-02,  9.08203125e-02,
        -1.61132812e-01,  4.39453125e-02, -2.11914062e-01, -3.14453125e-01,
        -1.15234375e-01, -1.61132812e-01,  2.34375000e-02, -3.39843750e-01,
        -3.37890625e-01, -9.86328125e-02,  2.61718750e-01,  1.80664062e-01,
         2.04101562e-01,  3.12500000e-02,  1.48925781e-02,  3.71093750e-02,
        -9.47265625e-02, -1.32446289e-02,  1.32812500e-01,  4.41894531e-02,
         1.19628906e-01,  1.07421875e-01,  1.50390625e-01,  6.01196289e-03,
         1.26953125e-01, -9.17968750e-02,  4.61425781e-02, -1.80664062e-01,
         2.29492188e-01,  7.17773438e-02,  3.68652344e-02,  9.22851562e-02,
        -2.22656250e-01, -4.00390625e-02, -7.12890625e-02,  2.65625000e-01,
         3.93066406e-02,  1.77734375e-01,  1.58203125e-01,  9.03320312e-0
2],
       dtype=float32),
 'demographic': array([ 0.23632812, -0.06640625, -0.25585938, -0.10791016,
-0.05981445,
```

```
        -0.2734375 , -0.04125977,  0.08056641,  0.16894531, -0.18847656,
        -0.34179688,  0.27539062,  0.04638672,  0.27929688, -0.11132812,
         0.08691406, -0.203125  ,  0.34179688, -0.02478027, -0.20996094,
         0.07910156,  0.04589844, -0.04321289,  0.21777344, -0.09521484,
        -0.35546875, -0.34570312,  0.26757812,  0.18261719, -0.13671875,
        -0.05541992,  0.0213623 , -0.17285156,  0.4140625 , -0.1484375 ,
        -0.04150391,  0.0546875 ,  0.08496094,  0.34179688,  0.19238281,
        -0.26171875,  0.23144531,  0.16796875,  0.0546875 , -0.04199219,
         0.03564453,  0.09765625,  0.29296875, -0.07763672, -0.16113281,
        -0.08544922, -0.10888672, -0.3828125 , -0.10644531,  0.01916504,
         0.1328125 ,  0.10644531,  0.15136719,  0.05395508, -0.14453125,
         0.06030273,  0.02453613, -0.10498047, -0.24609375, -0.01953125,
         0.0020752 , -0.00463867,  0.25195312,  0.20214844, -0.00524902,
        -0.20605469, -0.16796875,  0.06005859, -0.01794434,  0.01367188,
         0.27148438, -0.05053711,  0.29492188,  0.05834961,  0.28515625,
        -0.0390625 , -0.01574707,  0.03930664,  0.31640625, -0.13183594,
        -0.06640625, -0.40820312,  0.16503906,  0.1953125 , -0.10839844,
         0.14746094, -0.41015625, -0.08886719,  0.13867188,  0.04174805,
        -0.0546875 ,  0.15625   , -0.1015625 , -0.11279297,  0.07861328,
         0.03320312, -0.01940918, -0.20214844,  0.21972656, -0.09228516,
        -0.57421875,  0.0078125 , -0.09667969, -0.06835938, -0.18164062,
         0.05053711, -0.5       , -0.1953125 , -0.11914062,  0.25976562,
         0.15722656, -0.03735352, -0.22460938,  0.22167969, -0.0291748 ,
        -0.45507812,  0.1640625 , -0.28125   ,  0.02746582,  0.07568359,
         0.3359375 ,  0.1328125 ,  0.09912109, -0.01623535,  0.04345703,
         0.20214844, -0.37695312, -0.15625   ,  0.02355957, -0.05615234,
         0.25976562,  0.13574219,  0.08642578,  0.01904297,  0.1328125 ,
         0.1171875 , -0.24707031, -0.11962891,  0.296875  ,  0.18261719,
         0.125     ,  0.45898438,  0.18164062, -0.10400391,  0.02856445,
        -0.07568359, -0.01068115, -0.09570312, -0.30859375,  0.10253906,
        -0.30859375, -0.2734375 , -0.07080078,  0.07861328, -0.19238281,
        -0.43554688, -0.3515625 ,  0.01196289, -0.00082779, -0.04614258,
         0.30078125,  0.03088379, -0.01000977,  0.19433594,  0.11962891,
         0.13476562, -0.08105469,  0.07177734,  0.10888672,  0.27734375,
         0.19140625,  0.33789062, -0.18164062, -0.16796875, -0.00866699,
         0.21875   , -0.49414062,  0.04370117, -0.14746094, -0.00631714,
        -0.02062988,  0.00842285,  0.08642578,  0.11230469,  0.07226562,
         0.1484375 , -0.20996094,  0.27734375, -0.15039062, -0.12304688,
         0.12353516,  0.375     ,  0.35351562,  0.12207031, -0.03613281,
        -0.10839844,  0.12158203, -0.40234375, -0.05224609,  0.0625    ,
         0.06591797,  0.23242188, -0.11767578,  0.15136719,  0.36132812,
        -0.11035156,  0.23632812, -0.16015625,  0.07617188,  0.04516602,
        -0.01293945, -0.26367188,  0.04907227,  0.10791016,  0.390625  ,
        -0.17773438,  0.05322266, -0.04467773, -0.15234375, -0.04736328,
        -0.37109375,  0.09814453, -0.18945312, -0.21972656, -0.09814453,
        -0.08398438, -0.28320312,  0.04541016, -0.23925781,  0.20898438,
         0.06445312, -0.09716797, -0.28320312,  0.31445312,  0.10302734,
         0.17871094, -0.05395508, -0.02026367, -0.16210938, -0.05102539,
         0.23730469,  0.01879883,  0.23730469, -0.47460938,  0.09130859,
        -0.08447266,  0.08935547,  0.04394531,  0.02685547,  0.24023438,
        -0.01409912,  0.06225586, -0.28320312, -0.17871094, -0.19335938,
        -0.03344727, -0.45507812, -0.20703125,  0.28125   , -0.26171875,
         0.15820312, -0.53125   ,  0.125     ,  0.0246582 , -0.2265625 ,
        -0.17480469,  0.23339844, -0.02783203,  0.08544922,  0.02124023,
         0.08398438,  0.10986328, -0.12597656,  0.11621094, -0.11132812,
        -0.55859375, -0.01721191, -0.328125  ,  0.19433594, -0.26953125,
        -0.09472656, -0.03442383, -0.1484375 , -0.13964844, -0.19042969,
         0.00823975,  0.11035156, -0.21777344, -0.39648438, -0.22460938,
        -0.24121094,  0.15136719,  0.01977539,  0.27929688, -0.03417969],
       dtype=float32),
 'children': array([ 1.29394531e-02,  1.60980225e-03, -4.32128906e-02,  1.7
7734375e-01,
         5.27343750e-02,  8.59375000e-02,  1.00097656e-01,  7.37304688e-02,
        -2.00195312e-02, -8.74023438e-02,  2.37304688e-01, -1.35742188e-01,
```

```
 9.86328125e-02, -4.33349609e-03, -2.01171875e-01,  2.35595703e-02,
-1.77734375e-01,  2.23632812e-01, -2.02148438e-01,  2.51953125e-01,
 1.21093750e-01,  3.27148438e-02,  2.41210938e-01,  7.17773438e-02,
-9.25064087e-05, -3.00781250e-01, -1.03027344e-01,  7.17773438e-02,
 4.88281250e-02, -3.22265625e-01, -1.50390625e-01, -1.20605469e-01,
-3.55468750e-01,  4.90722656e-02, -1.40625000e-01,  5.46875000e-02,
 6.29882812e-02, -2.09960938e-01, -3.26171875e-01,  1.83105469e-02,
-6.54296875e-02,  1.11816406e-01,  1.19628906e-01, -1.74804688e-01,
 1.43554688e-01,  4.58984375e-02,  1.33789062e-01,  6.29882812e-02,
-1.07421875e-01, -7.66601562e-02,  1.25000000e-01,  6.83593750e-02,
 1.49414062e-01,  7.91015625e-02,  2.51953125e-01, -2.79296875e-01,
-2.50000000e-01, -1.15722656e-01, -1.86523438e-01,  1.83868408e-03,
 8.69140625e-02,  1.75781250e-01,  8.05664062e-02, -5.05371094e-02,
 1.39648438e-01,  5.73730469e-03, -1.46484375e-01,  2.71484375e-01,
 9.70458984e-03, -4.85839844e-02,  6.68945312e-02, -7.86132812e-02,
-5.88378906e-02,  2.35351562e-01, -9.66796875e-02,  2.65625000e-01,
 9.47265625e-02,  7.51953125e-02,  1.33056641e-02,  1.20605469e-01,
 9.22851562e-02, -5.56640625e-02, -1.04492188e-01,  1.75781250e-01,
-2.73437500e-01,  1.40625000e-01,  1.12304688e-01, -1.86920166e-03,
-1.13281250e-01, -9.27734375e-02,  1.38671875e-01, -2.91015625e-01,
-7.71484375e-02, -2.45117188e-01,  3.27148438e-02, -1.12304688e-01,
 2.73437500e-01, -1.44531250e-01,  1.59179688e-01,  3.46679688e-02,
-8.93554688e-02, -1.30859375e-01, -6.73828125e-02,  5.22460938e-02,
-6.54296875e-02, -1.44531250e-01,  1.98242188e-01, -3.78417969e-02,
 6.54296875e-02,  2.75878906e-02,  3.27148438e-02,  1.28906250e-01,
 1.36108398e-02,  3.22265625e-02, -6.78710938e-02, -6.39648438e-02,
 9.08203125e-02, -7.61718750e-02, -1.41601562e-01,  1.22680664e-02,
-2.08007812e-01,  2.08007812e-01,  1.23901367e-02,  3.93066406e-02,
-1.90429688e-01,  3.61328125e-02, -6.17675781e-02,  5.00488281e-02,
-5.07812500e-02,  8.05664062e-02,  6.22558594e-02, -2.08007812e-01,
-1.98242188e-01, -5.34667969e-02,  1.41143799e-04,  1.16699219e-01,
 2.81250000e-01, -2.25585938e-01,  2.47070312e-01, -2.14843750e-02,
 7.95898438e-02, -2.00195312e-01,  7.47070312e-02, -2.22167969e-02,
 5.39550781e-02,  1.77734375e-01,  6.25000000e-02,  1.30859375e-01,
-2.33398438e-01, -2.46582031e-02,  4.51171875e-01, -1.54296875e-01,
-2.22656250e-01, -1.69677734e-02, -1.07910156e-01, -1.66015625e-02,
-8.54492188e-02, -3.35937500e-01, -1.67968750e-01, -1.02050781e-01,
-1.00585938e-01,  1.94335938e-01,  1.30859375e-01,  2.53906250e-01,
-3.64685059e-03, -3.88183594e-02,  1.72119141e-02,  1.74804688e-01,
 1.51367188e-01, -6.98242188e-02, -5.98144531e-03, -1.18164062e-01,
 5.24902344e-02, -1.16210938e-01,  1.01074219e-01,  1.56250000e-01,
 1.32812500e-01,  1.07421875e-01, -1.54296875e-01,  1.04003906e-01,
-9.13085938e-02, -1.53320312e-01, -4.78515625e-02, -7.76367188e-02,
-2.31933594e-03,  1.03027344e-01,  9.81445312e-02, -2.64892578e-02,
 1.43554688e-01,  2.12890625e-01, -2.14843750e-01, -1.92382812e-01,
 1.23291016e-02, -8.30078125e-02,  1.66015625e-02,  1.83593750e-01,
 1.31835938e-01, -1.10351562e-01, -1.71875000e-01, -4.15039062e-03,
-1.23535156e-01, -1.70898438e-01,  5.49316406e-02, -3.80859375e-01,
 6.98242188e-02, -1.86523438e-01, -5.61523438e-02, -7.03125000e-02,
-3.12500000e-02, -1.18164062e-01,  9.22851562e-02, -1.69677734e-02,
-3.22265625e-02, -5.66406250e-02, -6.59179688e-02,  9.47265625e-02,
 6.54296875e-02,  1.50390625e-01, -6.73828125e-02,  4.49218750e-02,
-1.19018555e-02, -1.25000000e-01,  2.49023438e-01, -1.43554688e-01,
 1.29882812e-01, -2.37304688e-01, -2.61230469e-02, -9.61914062e-02,
 4.46777344e-02, -9.96093750e-02,  5.37109375e-02,  6.88476562e-02,
-3.24707031e-02,  2.10937500e-01, -1.66992188e-01, -1.74804688e-01,
 9.22851562e-02, -3.63769531e-02,  9.22851562e-02, -7.32421875e-02,
-1.13281250e-01, -3.04687500e-01,  2.30712891e-02, -5.05371094e-02,
-5.02929688e-02,  3.33984375e-01, -9.86328125e-02,  9.86328125e-02,
-2.92968750e-02, -9.32617188e-02,  1.15234375e-01, -6.98242188e-02,
-5.07812500e-02, -4.88281250e-02,  3.95507812e-02, -2.03125000e-01,
 2.20947266e-02, -1.83105469e-02, -8.98437500e-02,  3.41796875e-02,
-2.38281250e-01, -7.56835938e-02,  1.66992188e-01, -1.96289062e-01,
-6.22558594e-02,  2.61718750e-01, -7.66601562e-02,  1.86523438e-01,
```

```
        -2.61718750e-01,  2.17773438e-01, -1.00097656e-01,  1.95312500e-01,
        -4.56542969e-02,  1.25976562e-01,  2.36328125e-01, -1.39648438e-01,
         1.92382812e-01, -9.08203125e-02,  4.32128906e-02, -1.55273438e-01,
         1.42578125e-01, -8.44726562e-02, -1.82617188e-01,  2.07031250e-01,
        -1.44531250e-01,  2.81982422e-02, -4.54101562e-02,  4.90722656e-02,
         2.00195312e-02,  3.51562500e-01, -2.29492188e-01,  1.30859375e-01,
        -1.07910156e-01, -2.71484375e-01,  6.44531250e-02,  1.34765625e-01,
        -7.51953125e-02, -3.36914062e-02,  6.03027344e-02,  2.86865234e-0
2],
       dtype=float32),
 'schedule': array([-8.93554688e-02,  3.55468750e-01,  9.27734375e-02, -8.7
8906250e-02,
         3.51562500e-02, -9.37500000e-02,  6.40869141e-03, -8.54492188e-02,
        -4.61425781e-02,  2.95410156e-02,  2.11914062e-01,  5.46875000e-02,
        -2.20947266e-02, -2.33398438e-01, -1.03027344e-01,  3.28125000e-01,
         6.73828125e-02, -8.64257812e-02,  3.55468750e-01,  5.21850586e-03,
        -9.76562500e-02,  2.18750000e-01,  5.10253906e-02,  1.63085938e-01,
        -8.34960938e-02,  2.95410156e-02,  9.81445312e-02, -8.00781250e-02,
        -8.69140625e-02,  3.24218750e-01,  1.50390625e-01,  1.25976562e-01,
        -8.25195312e-02, -5.52368164e-03,  2.14843750e-01,  5.73730469e-03,
        -1.20849609e-02, -4.51660156e-02,  2.65625000e-01, -7.56835938e-02,
         1.69921875e-01, -8.93554688e-02,  1.08032227e-02,  2.77343750e-01,
        -1.61132812e-01, -5.12695312e-02, -4.68750000e-02,  5.46875000e-02,
        -2.23632812e-01,  1.30859375e-01,  2.19726562e-02, -2.31445312e-01,
        -7.51953125e-02,  1.15722656e-01,  2.02636719e-02, -1.16210938e-01,
         8.44726562e-02,  3.90625000e-02,  1.91406250e-01, -1.08642578e-02,
        -1.40625000e-01, -4.95605469e-02, -3.22265625e-02,  8.20312500e-02,
         2.35351562e-01,  1.33789062e-01,  2.00195312e-01,  1.96289062e-01,
        -4.80957031e-02,  1.92382812e-01,  2.89062500e-01,  1.17187500e-01,
        -9.27734375e-02,  2.92968750e-02,  2.20947266e-02, -3.36914062e-02,
         1.03515625e-01, -1.10839844e-01,  2.62451172e-02,  1.52343750e-01,
         1.25976562e-01, -1.80053711e-03, -3.63281250e-01, -1.89453125e-01,
         1.35742188e-01, -7.03125000e-02, -8.69140625e-02, -5.90820312e-02,
         4.74609375e-01,  1.96289062e-01, -7.22656250e-02, -1.36718750e-01,
         3.39843750e-01, -3.88671875e-01, -9.57031250e-02, -1.13281250e-01,
         2.34375000e-02, -2.89062500e-01, -1.87500000e-01,  6.01196289e-03,
        -4.63867188e-02, -8.10546875e-02, -6.64062500e-02, -6.59179688e-02,
         9.76562500e-03, -8.74023438e-02,  9.22851562e-02, -5.46875000e-02,
        -3.29589844e-02,  9.57031250e-02,  3.12500000e-01, -2.89062500e-01,
         3.66210938e-02, -3.06640625e-01,  1.26953125e-01,  9.81445312e-02,
         1.79687500e-01, -2.81250000e-01,  2.32421875e-01,  1.63085938e-01,
        -1.32812500e-01, -1.90429688e-02,  4.25781250e-01,  4.43359375e-01,
         2.75878906e-02,  2.17773438e-01, -4.88281250e-01, -6.15234375e-02,
         8.20312500e-02, -1.66015625e-01,  2.47802734e-02, -2.83203125e-01,
         1.16699219e-01, -1.09375000e-01, -1.24023438e-01, -5.88989258e-03,
         9.52148438e-02,  4.06250000e-01, -2.07519531e-03,  1.19628906e-01,
         6.29882812e-02, -1.81640625e-01,  1.65039062e-01, -2.04101562e-01,
         8.98437500e-02, -9.91210938e-02,  9.81445312e-02, -7.47070312e-02,
        -2.47070312e-01,  1.17675781e-01, -1.88446045e-03, -5.63964844e-02,
         1.74804688e-01, -1.25732422e-02, -8.64257812e-02, -3.59375000e-01,
         2.31445312e-01, -1.21582031e-01, -1.26953125e-01,  2.16796875e-01,
        -2.29492188e-01, -3.17382812e-03,  2.95410156e-02,  2.23632812e-01,
         5.41992188e-02,  3.11279297e-02, -3.93066406e-02, -4.98046875e-02,
        -6.73828125e-02, -6.39648438e-02,  3.75976562e-02, -1.81640625e-01,
         7.61718750e-02, -1.59912109e-02, -1.08642578e-02, -3.04687500e-01,
         7.32421875e-02, -1.23535156e-01, -4.34570312e-02, -1.18164062e-01,
        -2.16796875e-01, -1.33789062e-01,  2.27539062e-01,  1.85546875e-01,
         1.63085938e-01, -6.29882812e-02,  6.39648438e-02, -1.69921875e-01,
         3.98437500e-01,  6.44531250e-02,  1.31835938e-01, -1.17187500e-01,
         6.20117188e-02,  5.22460938e-02, -1.79687500e-01, -6.64062500e-02,
         8.36181641e-03,  4.05273438e-02, -1.42578125e-01, -2.50244141e-02,
         3.78417969e-02,  2.10937500e-01, -3.57421875e-01,  1.55273438e-01,
         1.22558594e-01, -1.23046875e-01, -9.03320312e-02,  4.12597656e-02,
         3.24218750e-01,  1.68945312e-01, -5.39550781e-02,  3.67187500e-01,
```

```
        -3.39508057e-04,  1.82617188e-01, -2.77343750e-01,  1.21582031e-01,
        -6.59179688e-02,  1.34765625e-01, -2.22656250e-01, -2.19726562e-01,
         1.28906250e-01, -2.62451172e-02,  1.78710938e-01,  1.03515625e-01,
        -9.42382812e-02, -4.57031250e-01, -2.02148438e-01,  4.88281250e-03,
         7.27539062e-02,  3.11279297e-02, -1.02050781e-01,  1.76239014e-03,
         1.27929688e-01, -1.00585938e-01,  5.34667969e-02,  1.65039062e-01,
         1.14257812e-01, -3.10546875e-01,  1.40625000e-01, -9.91210938e-02,
        -1.35742188e-01,  1.35742188e-01, -1.48437500e-01, -5.89843750e-01,
         2.92968750e-01, -2.63671875e-02, -1.92382812e-01, -9.32617188e-02,
        -2.59765625e-01, -1.51367188e-01,  6.88476562e-02,  9.47265625e-02,
        -1.44531250e-01, -3.75000000e-01,  6.12792969e-02, -1.99218750e-01,
        -1.66015625e-01, -6.44531250e-02, -1.47460938e-01,  8.98437500e-02,
         2.50000000e-01,  8.59375000e-02, -1.19628906e-01,  4.15039062e-02,
         1.00097656e-01,  4.29687500e-01,  5.49316406e-02, -5.22460938e-02,
        -1.14746094e-01, -8.59375000e-02,  2.17773438e-01,  1.78710938e-01,
        -1.31835938e-02,  1.79687500e-01,  3.85742188e-02, -2.10937500e-01,
         1.59179688e-01, -1.17187500e-01,  1.48437500e-01, -7.47070312e-02,
        -2.18505859e-02,  5.98144531e-02, -2.23632812e-01, -1.06445312e-01,
         8.20312500e-02, -1.65039062e-01, -1.91406250e-01,  1.46484375e-01,
         2.77343750e-01,  1.19140625e-01, -1.11328125e-01,  1.13677979e-03,
        -1.68945312e-01, -1.90429688e-01,  1.91406250e-01, -1.26953125e-02,
        -1.67236328e-02,  2.33154297e-02,  1.90429688e-02, -3.24218750e-0
1],
       dtype=float32),
 'day': array([-1.50390625e-01,  7.22656250e-02,  3.05175781e-02,  4.150390
62e-02,
         1.80664062e-02, -3.68652344e-02,  1.68945312e-01, -1.25000000e-01,
         2.18750000e-01,  4.58984375e-02,  7.95898438e-02, -6.34765625e-02,
         1.53320312e-01, -3.46679688e-02,  6.05468750e-02,  1.30859375e-01,
        -1.19140625e-01,  3.51562500e-02,  1.59179688e-01, -9.27734375e-02,
        -1.23535156e-01,  4.30297852e-03,  4.98046875e-02, -1.21093750e-01,
        -8.98437500e-02,  8.78906250e-02,  1.11816406e-01,  1.25000000e-01,
         1.24023438e-01,  7.42187500e-02, -4.15039062e-02,  5.44433594e-02,
         8.00781250e-02,  2.34375000e-02, -1.12304688e-01, -1.68457031e-02,
        -8.78906250e-02, -1.06445312e-01, -8.25195312e-02,  6.12792969e-02,
         5.98144531e-02, -2.46582031e-02,  2.37304688e-01,  5.12695312e-02,
        -5.29785156e-02, -5.24902344e-02, -1.03027344e-01,  1.32812500e-01,
        -7.61718750e-02,  4.22363281e-02,  2.78320312e-02, -8.93554688e-02,
        -2.73437500e-02,  9.37500000e-02,  7.12890625e-02,  2.60009766e-02,
         5.52368164e-03, -1.44653320e-02,  8.30078125e-02, -1.52343750e-01,
        -8.20312500e-02,  9.17968750e-02, -1.02996826e-03, -1.02050781e-01,
         1.08886719e-01, -1.21459961e-02, -4.63867188e-02, -4.15039062e-02,
         4.56542969e-02,  4.24804688e-02,  6.44531250e-02,  3.49121094e-02,
        -3.03955078e-02,  1.11816406e-01,  9.52148438e-02, -1.13281250e-01,
         7.22656250e-02,  3.75976562e-02, -3.96728516e-03,  6.59179688e-02,
        -4.88281250e-03, -9.91210938e-02,  5.92041016e-03, -6.39648438e-02,
         4.88281250e-02,  1.90429688e-02, -1.14746094e-01, -8.00781250e-02,
         1.42578125e-01,  1.62109375e-01,  2.41210938e-01,  2.13867188e-01,
        -6.34765625e-02, -2.48046875e-01, -3.75000000e-01, -8.54492188e-03,
         1.30859375e-01,  7.86132812e-02,  6.39648438e-02, -4.68750000e-02,
         1.62109375e-01, -1.61132812e-01, -1.18652344e-01, -1.48315430e-02,
        -1.09863281e-01, -2.17773438e-01, -4.32128906e-02, -1.02539062e-02,
        -1.06445312e-01,  1.42211914e-02,  1.63085938e-01,  3.34472656e-02,
         4.49218750e-02, -1.70135498e-03,  2.57812500e-01, -2.96630859e-02,
         1.44531250e-01, -2.00195312e-02,  2.56347656e-02,  1.10839844e-01,
        -1.15722656e-01, -9.13085938e-02,  2.55126953e-02,  6.25000000e-02,
         2.86102295e-04,  1.02539062e-02,  1.56250000e-01, -2.90527344e-02,
         8.65936279e-04,  4.73632812e-02, -1.04980469e-01, -1.83593750e-01,
        -1.50756836e-02, -8.44726562e-02, -1.57226562e-01, -1.88476562e-01,
         3.78417969e-03,  4.29687500e-02, -9.91210938e-02, -7.56835938e-02,
         1.93359375e-01, -1.28906250e-01,  4.73632812e-02, -1.23535156e-01,
        -1.48437500e-01,  6.83593750e-02,  3.44238281e-02, -1.82617188e-01,
        -8.66699219e-03, -7.47070312e-02,  8.49609375e-02,  1.87500000e-01,
        -1.49414062e-01, -9.88769531e-03,  6.59179688e-02, -1.11816406e-01,
```

```
        -5.78613281e-02, -2.50000000e-01, -1.72851562e-01,  7.47070312e-02,
        -9.27734375e-02,  3.90625000e-02,  1.21093750e-01,  1.26953125e-01,
        -1.12304688e-02,  4.61425781e-02,  3.97949219e-02, -9.27734375e-02,
         9.91210938e-02, -1.18164062e-01, -1.06445312e-01,  6.68945312e-02,
        -1.01318359e-02, -2.39257812e-01, -6.93359375e-02, -1.79687500e-01,
         1.43432617e-02,  3.61328125e-02, -1.80664062e-02, -1.08642578e-02,
        -1.80664062e-01,  4.95605469e-02,  1.77001953e-02,  4.78515625e-02,
         1.91406250e-01,  3.56445312e-02,  1.87500000e-01, -6.59179688e-02,
         1.90429688e-01, -1.38549805e-02,  2.31933594e-02,  9.52148438e-02,
        -1.28906250e-01,  2.49023438e-02, -2.07031250e-01,  7.47070312e-02,
        -4.98046875e-02,  1.07910156e-01, -2.96875000e-01,  2.44140625e-02,
         1.89208984e-02,  7.08007812e-03, -1.03515625e-01, -6.34765625e-02,
         2.28515625e-01, -4.30297852e-03, -1.80664062e-01,  1.46484375e-01,
         7.22656250e-02, -1.57226562e-01,  9.08203125e-02,  5.98144531e-02,
        -1.49414062e-01, -3.61328125e-02, -1.04980469e-01,  2.58789062e-02,
        -2.19726562e-02,  2.74658203e-02, -2.65625000e-01,  6.54296875e-02,
         1.69921875e-01,  1.77734375e-01,  1.86523438e-01, -1.47460938e-01,
        -5.41992188e-02, -1.29882812e-01,  3.27148438e-02, -4.76074219e-03,
        -5.32226562e-02, -3.95507812e-02,  1.82617188e-01,  2.99072266e-02,
         3.66210938e-02, -1.59912109e-02, -5.72204590e-06, -2.86865234e-02,
        -3.71093750e-02,  1.38671875e-01,  5.05371094e-02, -1.01074219e-01,
         1.80664062e-01,  5.02929688e-02, -8.93554688e-02, -2.31445312e-01,
         1.15356445e-02, -8.54492188e-02, -1.10351562e-01, -6.83593750e-02,
         2.84423828e-02,  3.03649902e-03, -1.04492188e-01,  1.07910156e-01,
         7.17773438e-02, -2.13623047e-02,  1.54418945e-02,  4.51660156e-03,
         1.00585938e-01,  5.56640625e-02, -6.56127930e-03, -6.29882812e-02,
         3.10058594e-02, -8.34960938e-02,  1.36718750e-01, -1.78222656e-02,
         1.70898438e-01,  1.01074219e-01,  2.15820312e-01,  2.03125000e-01,
        -1.34765625e-01,  1.50390625e-01,  1.02539062e-01,  7.51495361e-04,
         1.41601562e-01,  1.47460938e-01,  2.02148438e-01, -6.49414062e-02,
        -1.28906250e-01, -2.50244141e-02,  8.15429688e-02, -5.63964844e-02,
         1.81884766e-02,  1.86767578e-02, -7.61718750e-02,  1.48437500e-01,
        -5.37109375e-03, -1.32812500e-01, -1.40625000e-01,  1.84570312e-01,
         7.27539062e-02,  1.57226562e-01,  1.09863281e-01, -4.19921875e-02,
        -1.68945312e-01, -7.42187500e-02, -4.27246094e-02, -5.71289062e-02,
        -2.07031250e-01,  1.31835938e-01,  8.44726562e-02,  1.86767578e-0
2],
       dtype=float32),
 'shift': array([-0.02832031, -0.1015625 , -0.18164062,  0.27148438, -0.378
90625,
        -0.13476562, -0.09082031, -0.22558594, -0.04931641,  0.16992188,
         0.09228516,  0.09228516,  0.08886719,  0.31640625, -0.26367188,
         0.01635742, -0.12109375, -0.05957031,  0.17578125, -0.11914062,
        -0.08691406,  0.09765625,  0.06005859, -0.12890625,  0.05322266,
         0.36914062, -0.05957031,  0.03369141,  0.203125  ,  0.11376953,
        -0.06884766, -0.09521484,  0.0246582 , -0.10595703,  0.15722656,
        -0.09814453,  0.03637695,  0.32421875,  0.04345703, -0.13085938,
         0.04663086,  0.16796875,  0.14160156, -0.05737305, -0.109375  ,
        -0.25390625, -0.24023438,  0.13867188,  0.10839844, -0.00521851,
         0.01940918,  0.09960938,  0.12890625, -0.04003906,  0.11132812,
        -0.05957031,  0.12792969,  0.00674438, -0.19921875, -0.25585938,
        -0.17871094,  0.26171875, -0.25      , -0.26953125,  0.19921875,
        -0.10546875, -0.14550781,  0.08496094, -0.20996094, -0.06835938,
        -0.1796875 , -0.05249023, -0.08642578,  0.15917969, -0.10498047,
         0.11572266,  0.32421875,  0.21191406, -0.28320312,  0.08886719,
         0.34375   , -0.03759766,  0.28515625,  0.10449219,  0.08789062,
         0.01940918, -0.04418945,  0.06225586, -0.02160645,  0.08300781,
         0.07568359, -0.00274658, -0.02294922,  0.30859375,  0.00952148,
        -0.1640625 ,  0.17773438,  0.24414062, -0.04663086,  0.0378418 ,
         0.0559082 , -0.04443359,  0.06347656,  0.12109375,  0.08349609,
        -0.44921875, -0.06152344, -0.15039062, -0.0378418 ,  0.01068115,
         0.17871094, -0.2109375 , -0.20800781, -0.07226562,  0.32421875,
         0.05297852,  0.02453613, -0.1484375 , -0.0402832 ,  0.25195312,
        -0.14648438,  0.00268555, -0.08984375,  0.2890625 , -0.13964844,
```

```
         0.06079102,  0.09912109,  0.06933594, -0.05224609,  0.0189209 ,
         0.08398438, -0.04248047,  0.24609375,  0.00430298,  0.0213623 ,
        -0.09179688,  0.00159454,  0.17578125, -0.15039062,  0.09863281,
         0.04882812, -0.25390625, -0.22460938,  0.27148438, -0.04125977,
         0.20019531,  0.06494141,  0.04272461,  0.01538086, -0.18261719,
         0.16210938, -0.296875  , -0.07714844, -0.08251953,  0.04785156,
        -0.265625  , -0.0112915 , -0.07714844, -0.03930664,  0.0546875 ,
        -0.08105469, -0.11035156, -0.125     , -0.20996094, -0.19921875,
         0.25      ,  0.10400391, -0.06640625,  0.29882812,  0.0546875 ,
        -0.15039062, -0.00442505, -0.01708984, -0.00878906,  0.12695312,
        -0.02075195,  0.25      , -0.0324707 , -0.01086426,  0.16210938,
        -0.18847656, -0.01879883,  0.25195312, -0.06933594,  0.24804688,
         0.05053711,  0.01623535,  0.44921875,  0.07421875,  0.01385498,
         0.15625   ,  0.02160645,  0.14355469,  0.11425781, -0.07519531,
         0.02746582, -0.01757812,  0.31445312, -0.05053711,  0.09472656,
        -0.00408936,  0.00134277,  0.09082031,  0.02600098, -0.03588867,
         0.10058594,  0.05883789,  0.10449219,  0.27734375,  0.13769531,
        -0.0390625 ,  0.00854492, -0.07275391,  0.18554688,  0.02563477,
        -0.24902344,  0.06884766, -0.08398438, -0.19628906, -0.19238281,
        -0.11962891,  0.0255127 , -0.04174805, -0.14257812, -0.10595703,
        -0.17578125, -0.15820312,  0.0559082 , -0.04125977,  0.07373047,
         0.13183594, -0.06982422,  0.08398438, -0.1328125 ,  0.12792969,
        -0.10351562, -0.46875   , -0.10449219, -0.20214844, -0.10058594,
         0.09326172, -0.18164062,  0.04785156, -0.50390625, -0.0177002 ,
        -0.09863281, -0.19238281, -0.00124359, -0.01324463, -0.01153564,
         0.0255127 ,  0.12890625, -0.19335938, -0.18261719, -0.06347656,
        -0.10742188,  0.12060547,  0.13085938, -0.11816406,  0.23828125,
         0.01708984, -0.22949219, -0.10009766,  0.10302734,  0.17480469,
        -0.13769531,  0.08691406, -0.01062012, -0.27929688, -0.02233887,
        -0.11523438, -0.0135498 ,  0.04858398, -0.17871094,  0.23242188,
         0.07324219, -0.25976562, -0.03344727, -0.06152344,  0.27734375,
        -0.03076172, -0.109375  ,  0.19140625,  0.06103516,  0.05493164,
         0.078125  ,  0.07177734, -0.10107422, -0.02832031,  0.05371094,
        -0.14160156, -0.02099609,  0.08984375,  0.0100708 , -0.21777344,
        -0.25390625,  0.23046875,  0.01745605,  0.10986328,  0.10693359],
       dtype=float32),
 'monday': array([-0.15136719, -0.0324707 ,  0.14257812,  0.2265625 ,  0.06
689453,
         0.01153564, -0.06884766, -0.19140625,  0.16210938,  0.10302734,
        -0.05883789, -0.12695312, -0.15234375, -0.12792969,  0.0480957 ,
         0.01470947, -0.16308594,  0.01275635,  0.25195312,  0.00958252,
         0.07177734,  0.10253906,  0.20605469, -0.16308594, -0.2890625 ,
         0.20410156,  0.20800781,  0.17675781,  0.07519531,  0.09667969,
         0.12890625,  0.11083984, -0.05859375, -0.2578125 , -0.2890625 ,
         0.12402344, -0.12792969,  0.06347656,  0.04101562, -0.12207031,
        -0.11669922, -0.28320312,  0.3984375 ,  0.04223633,  0.15625   ,
         0.10888672, -0.12402344, -0.375     , -0.19042969,  0.00186157,
         0.04052734, -0.14746094,  0.24414062,  0.31835938, -0.0546875 ,
        -0.11621094, -0.2890625 ,  0.01806641,  0.19726562, -0.1640625 ,
        -0.33789062, -0.00872803, -0.2578125 ,  0.06445312,  0.05224609,
        -0.22558594, -0.07910156,  0.10791016, -0.15917969,  0.14160156,
         0.07958984,  0.14746094,  0.18359375,  0.34570312, -0.10546875,
        -0.04663086,  0.22558594, -0.09521484,  0.00126648, -0.06884766,
        -0.11474609, -0.01544189, -0.05126953, -0.20605469,  0.41210938,
         0.10546875, -0.09912109,  0.08789062, -0.03833008,  0.17480469,
        -0.03881836,  0.05493164, -0.00463867, -0.16308594, -0.20019531,
         0.05664062, -0.04321289, -0.07226562,  0.15039062, -0.11669922,
         0.17871094, -0.08789062,  0.02575684, -0.00915527, -0.14746094,
        -0.13183594, -0.17578125,  0.10644531,  0.00305176, -0.24804688,
         0.12988281, -0.05322266,  0.15820312, -0.29492188,  0.12011719,
        -0.04077148,  0.02539062, -0.25976562,  0.04174805, -0.10546875,
         0.02172852, -0.13964844, -0.15722656, -0.09130859,  0.26757812,
         0.13378906, -0.18652344, -0.19433594,  0.06884766, -0.234375  ,
         0.01501465, -0.3046875 ,  0.09960938, -0.21777344, -0.23339844,
```

```
        -0.07958984, -0.25976562,  0.15039062,  0.11572266, -0.09960938,
         0.09033203, -0.12988281,  0.16796875, -0.04248047, -0.27539062,
         0.09472656,  0.10400391, -0.20117188,  0.16308594, -0.19335938,
         0.07080078,  0.06347656, -0.00166321, -0.07324219, -0.31835938,
        -0.3515625 ,  0.33398438, -0.0703125 , -0.19238281,  0.11132812,
         0.06103516, -0.04272461, -0.03613281,  0.01531982,  0.27929688,
         0.03222656,  0.13378906, -0.01397705, -0.25585938,  0.16015625,
        -0.1328125 , -0.0016098 , -0.21875   ,  0.08642578, -0.12255859,
        -0.26953125,  0.42773438, -0.24316406,  0.31640625, -0.08007812,
         0.11669922, -0.19628906, -0.08789062, -0.06030273, -0.04638672,
         0.125     ,  0.09570312, -0.20410156,  0.2265625 , -0.25585938,
         0.23535156,  0.27148438, -0.06982422, -0.10302734, -0.11132812,
        -0.0255127 ,  0.03320312, -0.08691406, -0.0612793 ,  0.13183594,
        -0.22558594,  0.04052734,  0.04077148, -0.17675781,  0.25585938,
        -0.03417969,  0.07519531,  0.23242188, -0.0859375 ,  0.06445312,
         0.06298828,  0.23339844, -0.23535156, -0.22851562, -0.14257812,
         0.01013184,  0.13769531, -0.11132812, -0.28125   , -0.0378418 ,
        -0.01470947,  0.17675781,  0.21484375,  0.27929688,  0.15136719,
        -0.15234375,  0.0625    ,  0.21679688, -0.13378906,  0.21484375,
         0.36523438, -0.00976562, -0.04492188, -0.07617188, -0.12988281,
        -0.0213623 ,  0.11816406,  0.07080078,  0.10791016,  0.17773438,
         0.30664062,  0.15917969, -0.07275391,  0.03564453, -0.41015625,
         0.04736328,  0.09716797,  0.19726562,  0.04003906, -0.18359375,
         0.11132812,  0.3515625 ,  0.265625  ,  0.18359375,  0.23535156,
        -0.0402832 , -0.03369141,  0.18066406,  0.20019531, -0.18457031,
         0.15136719, -0.14453125,  0.17382812, -0.05126953,  0.0135498 ,
         0.10546875,  0.04174805,  0.12255859, -0.1484375 , -0.04614258,
        -0.26367188,  0.046875  ,  0.14257812,  0.11767578,  0.12988281,
        -0.19140625,  0.12451172,  0.08007812, -0.25585938,  0.328125  ,
        -0.16210938,  0.09570312, -0.06738281,  0.40039062,  0.02844238,
        -0.17773438, -0.15625   ,  0.11914062,  0.10449219,  0.14648438,
         0.27734375,  0.08789062, -0.05981445,  0.03808594, -0.13476562,
        -0.31445312, -0.27148438, -0.21582031,  0.06176758, -0.18457031],
       dtype=float32),
 'friday': array([-0.29101562, -0.02697754,  0.02575684,  0.109375  , -0.01
879883,
        -0.24121094, -0.16894531, -0.125     ,  0.1171875 ,  0.05615234,
        -0.05493164, -0.10009766, -0.12597656, -0.20800781,  0.05102539,
         0.20410156, -0.0546875 ,  0.12792969,  0.19628906, -0.16210938,
        -0.04980469,  0.02404785,  0.1640625 , -0.3671875 , -0.21875   ,
         0.04321289,  0.02404785,  0.13964844,  0.03369141,  0.00665283,
         0.00720215,  0.08398438,  0.12695312, -0.05688477, -0.28125   ,
         0.17480469, -0.21386719, -0.01989746,  0.07421875, -0.07226562,
        -0.0534668 , -0.21972656,  0.49609375,  0.07958984,  0.23535156,
        -0.04052734,  0.00248718, -0.296875  , -0.10351562, -0.05761719,
         0.16113281,  0.18359375, -0.02209473,  0.24316406, -0.0222168 ,
        -0.29492188, -0.10839844, -0.03833008,  0.20507812, -0.08496094,
        -0.23242188,  0.03613281, -0.26171875,  0.06982422,  0.07226562,
        -0.11279297, -0.19140625, -0.16894531,  0.11279297,  0.05615234,
         0.36132812,  0.21777344,  0.01745605,  0.10498047,  0.09521484,
         0.06884766,  0.15332031, -0.11230469, -0.04248047, -0.01879883,
        -0.04736328, -0.00811768,  0.08789062, -0.20605469,  0.05859375,
        -0.04785156, -0.19140625, -0.07714844, -0.109375  ,  0.25390625,
        -0.05541992,  0.01043701,  0.01409912, -0.10302734, -0.26757812,
         0.07617188,  0.03149414,  0.17578125,  0.13476562, -0.0612793 ,
         0.19238281, -0.26757812, -0.0300293 , -0.08251953, -0.12792969,
        -0.14746094, -0.26367188,  0.13671875, -0.10986328, -0.4140625 ,
        -0.05053711,  0.05639648,  0.17382812, -0.15527344,  0.15722656,
        -0.12304688,  0.17382812, -0.2578125 , -0.07568359,  0.00408936,
         0.15820312, -0.08251953, -0.18652344, -0.08447266,  0.34765625,
         0.06225586, -0.06884766, -0.00170898, -0.00970459, -0.3359375 ,
        -0.07324219, -0.32421875,  0.25585938, -0.11621094, -0.18457031,
        -0.05761719, -0.10400391, -0.08203125, -0.00738525, -0.0625    ,
         0.19824219, -0.25585938,  0.24902344, -0.07519531, -0.375     ,
```

```
         0.04199219,  0.22070312, -0.04370117,  0.02490234, -0.20410156,
         0.13671875, -0.02062988, -0.11474609, -0.25976562, -0.20019531,
        -0.41601562,  0.28125   ,  0.0859375 , -0.19433594,  0.00933838,
         0.08398438,  0.05834961, -0.03613281, -0.00166321,  0.30273438,
        -0.13476562,  0.23632812, -0.00098419, -0.16113281,  0.09033203,
        -0.01867676,  0.19628906,  0.00762939, -0.01806641, -0.24902344,
        -0.27734375,  0.41015625, -0.41992188,  0.5078125 , -0.14257812,
        -0.03515625, -0.09912109,  0.00418091,  0.1171875 ,  0.02404785,
         0.11572266, -0.13964844,  0.10693359,  0.265625  , -0.02148438,
         0.19628906,  0.15527344, -0.17089844, -0.03515625,  0.13574219,
        -0.01708984,  0.12353516, -0.09960938, -0.07226562,  0.13378906,
        -0.08886719, -0.00866699, -0.01452637, -0.2734375 ,  0.15429688,
        -0.05029297,  0.00379944,  0.1328125 , -0.17382812,  0.11328125,
         0.01574707,  0.16113281, -0.34570312, -0.21972656, -0.20703125,
         0.02563477,  0.15722656, -0.47265625, -0.25      , -0.07958984,
        -0.1640625 ,  0.12255859,  0.20800781,  0.265625  , -0.10058594,
        -0.16308594,  0.17382812,  0.18457031, -0.20898438, -0.11035156,
         0.4375    ,  0.02600098, -0.11425781, -0.13183594,  0.06542969,
         0.07714844,  0.12158203, -0.16113281,  0.05004883,  0.21289062,
         0.34570312,  0.21972656, -0.13671875, -0.05395508, -0.22070312,
        -0.03735352,  0.05102539,  0.22949219,  0.14941406,  0.01513672,
         0.04370117,  0.28125   ,  0.125     ,  0.02746582,  0.1640625 ,
        -0.16699219,  0.03515625,  0.16503906,  0.22265625, -0.07421875,
         0.07763672, -0.14941406,  0.28710938, -0.04125977, -0.12890625,
         0.11767578,  0.18457031,  0.30859375, -0.06494141, -0.02954102,
        -0.17871094,  0.0612793 ,  0.05395508,  0.30664062,  0.41992188,
        -0.10839844,  0.02404785, -0.25585938, -0.3515625 ,  0.1015625 ,
        -0.27734375,  0.10302734, -0.07226562,  0.40234375, -0.19042969,
        -0.08154297, -0.07373047,  0.09179688,  0.06835938, -0.00292969,
         0.2734375 ,  0.07910156, -0.04956055,  0.06542969, -0.02319336,
        -0.16015625, -0.27539062, -0.09619141,  0.08007812, -0.07519531],
       dtype=float32),
 'travel': array([ 0.17578125,  0.21289062, -0.07128906,  0.08496094, -0.09
228516,
         0.14257812, -0.2734375 , -0.28320312,  0.08056641, -0.09765625,
         0.13769531, -0.02453613, -0.08007812,  0.02209473, -0.01501465,
        -0.11376953,  0.11425781,  0.2890625 ,  0.06298828, -0.04321289,
        -0.09423828,  0.07128906, -0.05224609,  0.07617188, -0.01196289,
         0.16113281,  0.125     , -0.07177734,  0.08789062, -0.14257812,
        -0.01916504,  0.06542969, -0.07714844, -0.0111084 ,  0.07714844,
        -0.16601562,  0.01757812, -0.02050781,  0.08642578, -0.09277344,
        -0.15039062, -0.12597656,  0.08300781,  0.08789062,  0.01599121,
        -0.328125  ,  0.2109375 , -0.046875  , -0.04931641,  0.12792969,
         0.09667969,  0.06030273, -0.02001953,  0.19238281, -0.15527344,
        -0.16699219, -0.11230469,  0.10986328,  0.04101562,  0.21484375,
        -0.05322266, -0.12109375, -0.08789062, -0.06298828, -0.20410156,
         0.01403809, -0.34375   ,  0.22070312,  0.09228516,  0.13964844,
        -0.05541992,  0.02526855,  0.2109375 , -0.1953125 , -0.15917969,
        -0.18457031, -0.17871094,  0.11376953, -0.09667969,  0.06396484,
        -0.07177734, -0.05444336, -0.04980469,  0.06298828, -0.04638672,
         0.04125977, -0.51953125, -0.06347656, -0.06933594,  0.35351562,
         0.11328125, -0.22460938, -0.08349609, -0.32617188,  0.13769531,
        -0.00793457,  0.14648438,  0.11523438,  0.10107422, -0.16113281,
        -0.00909424, -0.08642578,  0.20019531,  0.13964844,  0.20019531,
        -0.09375   ,  0.15429688, -0.17285156,  0.04882812, -0.25195312,
         0.06152344, -0.13671875,  0.09423828, -0.05126953, -0.10253906,
         0.02233887,  0.15234375, -0.06225586,  0.12402344, -0.00616455,
        -0.15332031,  0.16894531,  0.08203125,  0.28515625, -0.08447266,
         0.19726562, -0.10644531, -0.11132812, -0.11425781,  0.01318359,
        -0.23144531,  0.04150391,  0.09179688, -0.05371094, -0.10644531,
        -0.19628906, -0.22558594,  0.20410156, -0.05737305,  0.06787109,
        -0.04125977, -0.21777344,  0.01599121, -0.07666016,  0.13183594,
        -0.171875  , -0.07177734, -0.15039062, -0.02539062,  0.09863281,
         0.06884766, -0.08203125,  0.06396484, -0.21582031, -0.01660156,
```

```
        -0.19042969,  0.14550781, -0.20605469, -0.09521484, -0.00146484,
        -0.04736328,  0.01000977,  0.11767578,  0.05737305, -0.08105469,
         0.03808594, -0.03417969, -0.28320312, -0.08203125, -0.02893066,
         0.06933594, -0.0032196 ,  0.10644531, -0.03491211, -0.15820312,
         0.14257812,  0.0027771 , -0.01470947, -0.20019531,  0.08300781,
        -0.26367188, -0.1875    , -0.26367188, -0.20800781,  0.04907227,
        -0.07373047,  0.14648438, -0.18066406,  0.05761719, -0.02819824,
         0.38867188,  0.13183594,  0.17578125,  0.16699219, -0.10302734,
         0.24511719, -0.02722168, -0.2578125 , -0.16796875, -0.4296875 ,
         0.15820312,  0.01647949, -0.01446533, -0.02124023, -0.20019531,
        -0.05126953,  0.07324219,  0.04907227,  0.21484375, -0.10058594,
         0.07226562,  0.11132812, -0.04882812,  0.0625    , -0.16113281,
         0.28710938,  0.31054688,  0.20214844, -0.10107422, -0.24316406,
         0.140625  , -0.43554688,  0.34960938, -0.00915527,  0.06640625,
         0.04833984, -0.0267334 , -0.03930664, -0.01287842,  0.07177734,
         0.2578125 , -0.03271484,  0.03222656, -0.05224609, -0.03491211,
         0.13867188, -0.14257812, -0.14257812, -0.15234375, -0.12792969,
        -0.09521484,  0.12109375,  0.09179688, -0.23730469,  0.02124023,
         0.11035156, -0.19335938, -0.265625  , -0.08642578, -0.11669922,
         0.21386719,  0.09277344, -0.03613281,  0.17871094,  0.07226562,
         0.12695312,  0.09033203,  0.09960938,  0.05541992,  0.00328064,
         0.15527344,  0.04003906,  0.07275391,  0.11035156, -0.07324219,
         0.16210938,  0.05175781,  0.046875  , -0.10205078,  0.02636719,
         0.20507812,  0.2734375 , -0.11279297, -0.00515747,  0.14648438,
        -0.5078125 , -0.15332031, -0.01019287,  0.05517578, -0.08886719,
        -0.08251953, -0.16992188,  0.00070953, -0.40625   ,  0.15332031,
         0.15722656, -0.30078125,  0.328125  , -0.31054688,  0.13964844,
        -0.03173828, -0.02929688, -0.04199219,  0.16210938,  0.28710938,
         0.06494141,  0.16308594,  0.11474609,  0.33007812, -0.16796875],
       dtype=float32),
 'relocate': array([-0.03466797,  0.0859375 , -0.03393555,  0.14257812, -0.
13671875,
         0.07128906, -0.02331543,  0.13574219,  0.14355469,  0.11425781,
        -0.00854492,  0.22070312, -0.16992188, -0.01159668,  0.09082031,
        -0.05517578, -0.10253906,  0.12011719, -0.17480469,  0.17675781,
         0.09179688,  0.14941406,  0.24707031, -0.09521484, -0.07714844,
        -0.00150299,  0.15429688, -0.0267334 , -0.25976562, -0.25195312,
         0.43164062,  0.16894531, -0.33398438, -0.10839844,  0.03735352,
        -0.296875  ,  0.07763672,  0.09082031, -0.0010376 , -0.0045166 ,
         0.04589844,  0.12109375, -0.05834961, -0.16210938, -0.24804688,
        -0.04931641, -0.15722656, -0.08154297, -0.22851562,  0.24902344,
         0.04345703, -0.19824219,  0.12402344, -0.37890625, -0.32226562,
        -0.47265625, -0.07373047, -0.05859375, -0.09130859, -0.05566406,
         0.14257812, -0.20214844, -0.02453613, -0.08984375, -0.24316406,
        -0.2265625 ,  0.05639648,  0.14257812, -0.10693359,  0.23242188,
         0.08691406, -0.05249023,  0.04467773,  0.01049805, -0.19921875,
        -0.2734375 , -0.40625   , -0.23144531, -0.06494141, -0.15625   ,
         0.15429688,  0.19921875,  0.05810547,  0.29882812,  0.02832031,
         0.15039062,  0.01989746,  0.20605469,  0.13867188, -0.08251953,
         0.16308594, -0.01556396, -0.04174805, -0.1953125 ,  0.03173828,
         0.2578125 ,  0.22460938,  0.15234375,  0.04614258, -0.08642578,
        -0.01086426,  0.20117188,  0.09570312,  0.31054688,  0.20703125,
        -0.359375  ,  0.16210938, -0.11621094, -0.06005859, -0.11181641,
         0.02807617, -0.08105469,  0.08984375, -0.11132812,  0.19140625,
        -0.24316406,  0.5234375 , -0.10253906,  0.296875  , -0.21777344,
        -0.09521484, -0.05102539, -0.29296875,  0.17578125, -0.15625   ,
        -0.07861328, -0.19433594, -0.33203125,  0.1015625 ,  0.08056641,
         0.08251953,  0.08789062,  0.23632812, -0.06396484, -0.08349609,
         0.03662109, -0.18554688, -0.2265625 ,  0.0045166 ,  0.0859375 ,
        -0.00805664, -0.09667969, -0.06933594,  0.10400391,  0.11914062,
         0.10498047, -0.29882812,  0.05810547, -0.27148438, -0.08105469,
         0.08642578,  0.01782227,  0.1796875 ,  0.03491211, -0.08447266,
        -0.08789062,  0.11376953, -0.1015625 ,  0.02270508,  0.02453613,
         0.03710938, -0.06030273, -0.10986328, -0.12207031, -0.03979492,
```

```
        -0.08203125,  0.27929688, -0.07958984, -0.03466797, -0.11914062,
         0.14746094, -0.06225586,  0.02185059, -0.02331543,  0.36523438,
         0.05004883,  0.22558594,  0.22363281,  0.03686523,  0.12451172,
        -0.31640625, -0.20507812,  0.09277344, -0.29296875,  0.01275635,
        -0.20507812,  0.15820312,  0.05249023,  0.2734375 ,  0.17578125,
        -0.07324219, -0.00131989,  0.15234375,  0.38867188,  0.01507568,
         0.03759766,  0.1875    , -0.0144043 ,  0.11035156, -0.17578125,
         0.24316406, -0.16503906, -0.08007812, -0.1328125 , -0.17578125,
        -0.10253906,  0.08544922,  0.19433594,  0.53125   , -0.11767578,
         0.10058594, -0.04101562,  0.06982422,  0.20996094,  0.11572266,
         0.20410156,  0.03515625, -0.15625   ,  0.05859375,  0.09716797,
        -0.07763672,  0.20410156, -0.265625  ,  0.01916504,  0.12255859,
        -0.23144531, -0.27929688,  0.03808594, -0.18652344,  0.02294922,
         0.17089844, -0.10351562, -0.02600098, -0.10205078,  0.359375  ,
         0.00842285, -0.08154297, -0.41015625, -0.17773438, -0.07128906,
        -0.24609375,  0.02453613, -0.10693359, -0.28710938,  0.13574219,
         0.03808594,  0.00497437,  0.09472656, -0.03222656, -0.125     ,
        -0.05102539,  0.20605469, -0.10644531, -0.01525879,  0.10400391,
         0.21191406,  0.06933594,  0.30664062, -0.25390625,  0.37695312,
         0.05761719, -0.17871094, -0.01940918,  0.5546875 ,  0.36914062,
         0.14160156, -0.18554688, -0.14160156,  0.03173828, -0.01306152,
         0.12695312,  0.1328125 ,  0.0703125 , -0.10107422,  0.09472656,
        -0.234375  , -0.3203125 ,  0.01361084, -0.0625    , -0.18066406,
        -0.1171875 , -0.25195312,  0.02600098,  0.14160156,  0.078125  ,
         0.22949219, -0.1953125 , -0.13769531, -0.12695312, -0.23730469,
        -0.34765625,  0.49609375, -0.21289062,  0.17285156,  0.15429688,
         0.08105469,  0.16601562,  0.08691406,  0.09716797, -0.265625  ],
       dtype=float32),
 'rapid': array([ 0.10302734,  0.14257812, -0.09326172,  0.24316406, -0.225
58594,
        -0.23925781, -0.15917969, -0.11181641,  0.18261719,  0.11230469,
        -0.26757812, -0.08691406, -0.04272461, -0.02062988, -0.09814453,
        -0.04907227, -0.11669922, -0.09521484, -0.19726562,  0.11083984,
         0.06884766, -0.11572266, -0.00454712,  0.13671875, -0.22753906,
        -0.07226562, -0.23535156,  0.14550781,  0.21777344,  0.06347656,
        -0.18457031, -0.265625  , -0.03955078, -0.17285156, -0.12695312,
         0.06225586, -0.08398438, -0.20019531,  0.22363281, -0.15234375,
         0.14648438,  0.05859375,  0.3046875 ,  0.05615234,  0.09130859,
         0.02001953, -0.10986328, -0.15234375, -0.0559082 , -0.05761719,
         0.20507812,  0.01062012, -0.29492188, -0.07470703,  0.01086426,
         0.29882812, -0.20507812, -0.10791016,  0.16992188, -0.17578125,
        -0.34375   ,  0.22265625, -0.30273438, -0.00637817,  0.18554688,
         0.10107422,  0.0390625 , -0.14550781, -0.07910156,  0.01135254,
        -0.21679688, -0.22265625,  0.18554688, -0.10205078, -0.25195312,
         0.04882812,  0.10839844,  0.09716797, -0.06738281,  0.30859375,
         0.07373047,  0.18652344, -0.0043335 ,  0.06298828,  0.15527344,
        -0.12890625,  0.00622559,  0.13183594,  0.07519531, -0.07080078,
         0.08349609, -0.08837891, -0.2265625 , -0.08984375,  0.19140625,
         0.265625  , -0.08789062, -0.15820312,  0.11035156,  0.05078125,
        -0.05566406,  0.08496094, -0.11621094,  0.00242615,  0.00720215,
        -0.05273438,  0.12792969,  0.04858398,  0.23535156,  0.11376953,
         0.01586914, -0.25976562, -0.17285156, -0.12451172,  0.0480957 ,
         0.04882812,  0.17675781,  0.00476074,  0.12011719, -0.03369141,
         0.046875  , -0.17480469,  0.04370117,  0.11083984,  0.13476562,
         0.33984375, -0.12255859,  0.00546265,  0.04711914,  0.36914062,
         0.06835938,  0.125     , -0.01226807, -0.04541016,  0.06591797,
         0.11132812,  0.33984375, -0.03930664, -0.13867188,  0.24511719,
        -0.03100586, -0.17871094, -0.12060547,  0.2265625 , -0.03930664,
        -0.03051758,  0.17773438,  0.14355469,  0.12158203, -0.06982422,
         0.15527344, -0.01696777,  0.18164062,  0.21289062, -0.16210938,
        -0.08886719,  0.07324219,  0.12695312, -0.06176758, -0.29882812,
        -0.03222656, -0.07324219, -0.07568359, -0.08691406,  0.09814453,
        -0.10498047,  0.03686523, -0.15136719,  0.09423828, -0.20703125,
         0.13085938, -0.14746094, -0.10449219, -0.04980469,  0.07958984,
```

```
         0.16503906, -0.03320312, -0.02856445, -0.0145874 , -0.15234375,
         0.03222656, -0.15917969,  0.29492188, -0.39453125, -0.01409912,
         0.20214844,  0.1484375 ,  0.0534668 , -0.10986328,  0.05297852,
         0.19140625, -0.2109375 ,  0.05175781,  0.07373047, -0.05541992,
        -0.09228516, -0.25195312, -0.03417969, -0.16894531, -0.10449219,
         0.1875    ,  0.23535156,  0.13769531,  0.17480469, -0.01544189,
        -0.07763672, -0.00497437, -0.19042969,  0.07373047,  0.09033203,
        -0.21191406,  0.14257812, -0.08789062, -0.05200195,  0.00334167,
        -0.24902344, -0.0378418 , -0.14160156, -0.15625   ,  0.09716797,
         0.27929688,  0.11572266, -0.203125  , -0.01916504,  0.02880859,
        -0.17480469,  0.03222656, -0.421875  ,  0.19042969,  0.05102539,
         0.02624512,  0.10888672,  0.22070312, -0.0456543 , -0.01660156,
        -0.11035156, -0.265625  , -0.10449219,  0.12011719, -0.296875  ,
         0.00668335, -0.10107422, -0.11083984, -0.0625    ,  0.08984375,
        -0.11132812,  0.15820312,  0.18457031,  0.20898438, -0.11962891,
         0.2109375 , -0.05200195, -0.01177979,  0.13476562, -0.02966309,
        -0.11328125,  0.140625  ,  0.04174805, -0.12792969, -0.0378418 ,
        -0.0703125 , -0.125     , -0.00389099,  0.22070312,  0.37304688,
         0.03222656, -0.02612305, -0.25976562, -0.05859375,  0.04272461,
         0.05810547,  0.2890625 , -0.2890625 , -0.06640625, -0.07958984,
        -0.01123047,  0.11816406,  0.09082031,  0.28515625, -0.15429688,
         0.125     ,  0.20019531,  0.078125  , -0.02038574, -0.10351562,
         0.26171875,  0.14355469, -0.03808594,  0.0144043 ,  0.10449219,
        -0.11279297, -0.22167969,  0.07617188,  0.20898438, -0.05517578,
        -0.140625  , -0.00476074,  0.1640625 , -0.02209473, -0.01068115],
       dtype=float32),
 'city': array([-1.00708008e-02,  5.73730469e-02,  1.83593750e-01, -4.00390
625e-02,
        -2.97851562e-02, -7.91015625e-02,  7.17773438e-02,  1.33056641e-02,
        -1.43554688e-01,  1.12915039e-02, -3.27148438e-02,  7.76367188e-02,
         1.54296875e-01, -6.39648438e-02, -1.08886719e-01, -1.90429688e-02,
        -6.93359375e-02, -5.34667969e-02, -8.78906250e-02,  8.11767578e-03,
        -1.69921875e-01, -8.15429688e-02, -2.68554688e-03, -1.05957031e-01,
         5.93261719e-02, -1.58203125e-01, -3.07617188e-02,  1.65039062e-01,
        -1.97265625e-01, -1.51367188e-02,  1.00097656e-01, -9.66796875e-02,
        -7.22656250e-02,  2.32421875e-01, -4.12597656e-02, -1.81640625e-01,
         2.23388672e-02,  4.68750000e-02,  1.07910156e-01,  2.49023438e-02,
        -1.18652344e-01,  1.19628906e-01,  1.85546875e-01,  5.44433594e-02,
        -2.04101562e-01,  1.29882812e-01, -4.10156250e-02, -7.61718750e-02,
        -2.41210938e-01,  2.61718750e-01,  5.24902344e-02,  3.39355469e-02,
        -3.58886719e-02, -1.45507812e-01, -1.27929688e-01, -4.63867188e-02,
        -1.96289062e-01,  8.34960938e-02, -1.20605469e-01,  7.56835938e-02,
        -3.05175781e-02,  4.44335938e-02, -2.12890625e-01,  4.78515625e-02,
        -5.68847656e-02,  1.66015625e-02, -1.18164062e-01,  2.22656250e-01,
         7.08007812e-02, -9.08203125e-02, -1.19140625e-01,  2.02148438e-01,
         5.63964844e-02, -8.88671875e-02, -1.14135742e-02,  2.35595703e-02,
         6.78710938e-02,  1.16577148e-02, -1.04980469e-01, -4.95605469e-02,
        -4.07714844e-02, -1.30859375e-01,  2.85644531e-02,  3.41796875e-02,
        -1.49414062e-01,  1.48437500e-01, -1.66992188e-01,  5.24902344e-02,
         6.64062500e-02,  1.53320312e-01, -2.99072266e-02, -1.90429688e-01,
        -2.02148438e-01, -5.02929688e-02, -2.92968750e-01,  2.24609375e-01,
        -7.76367188e-02, -1.33666992e-02,  7.81250000e-03,  5.61523438e-02,
        -1.51367188e-01,  2.28515625e-01,  5.83496094e-02,  1.66015625e-01,
         3.29589844e-02, -1.32812500e-01,  3.07617188e-02, -1.34765625e-01,
        -7.03125000e-02, -3.75000000e-01, -1.11816406e-01,  5.61523438e-02,
         2.29492188e-01, -2.90527344e-02,  5.46264648e-03, -2.05078125e-01,
         8.20312500e-02, -1.69921875e-01, -9.17968750e-02,  1.43432617e-02,
        -2.69531250e-01, -3.78417969e-02, -3.22265625e-01, -9.71679688e-02,
         8.49609375e-02,  9.81445312e-02, -4.34570312e-02, -1.90429688e-01,
         1.17187500e-01, -4.47265625e-01,  1.16699219e-01, -2.41210938e-01,
         7.51953125e-02, -1.58203125e-01,  9.03320312e-02, -4.90722656e-02,
        -3.41796875e-02, -2.05078125e-01,  1.03515625e-01,  1.42578125e-01,
        -3.24707031e-02, -6.64062500e-02, -4.12597656e-02,  1.05957031e-01,
         1.13769531e-01,  1.00097656e-01, -1.64062500e-01,  1.23535156e-01,
```

```
        -2.28515625e-01, -9.81445312e-02,  2.53906250e-01,  6.34765625e-02,
        -6.12792969e-02, -2.67333984e-02,  1.35742188e-01,  5.66406250e-02,
         2.65625000e-01, -7.61718750e-02,  2.85156250e-01,  1.39160156e-02,
         3.83300781e-02,  6.29882812e-02,  1.66992188e-01,  1.15356445e-02,
        -9.17968750e-02, -1.56250000e-02,  2.47070312e-01, -2.51953125e-01,
         1.60156250e-01, -4.54101562e-02, -7.42187500e-02, -1.27929688e-01,
         1.04980469e-01, -1.27929688e-01,  5.95703125e-02, -2.46582031e-02,
         2.55126953e-02,  6.29882812e-02, -1.61132812e-01,  9.13085938e-02,
        -2.35351562e-01,  4.02832031e-03,  4.24804688e-02, -2.16796875e-01,
         4.69970703e-03, -2.59765625e-01,  3.78417969e-02,  1.12304688e-01,
         1.87500000e-01,  7.76367188e-02,  9.27734375e-02,  2.13867188e-01,
        -2.15820312e-01,  1.61132812e-01, -2.75390625e-01, -5.73730469e-02,
        -4.17480469e-02,  5.56640625e-02, -1.95312500e-01, -6.98242188e-02,
        -7.08007812e-02, -6.03027344e-02,  8.00781250e-02, -2.59765625e-01,
         1.38671875e-01, -1.37695312e-01, -1.25000000e-01, -2.19726562e-01,
         1.80664062e-01, -1.03149414e-02,  3.07617188e-02,  1.10351562e-01,
        -3.14941406e-02,  1.54296875e-01, -1.74804688e-01,  1.46484375e-01,
        -2.34375000e-01,  2.34375000e-01,  6.77490234e-03,  1.78710938e-01,
        -1.80053711e-03, -3.34472656e-02, -1.19140625e-01, -2.32421875e-01,
         2.70080566e-03, -1.36718750e-01, -6.98242188e-02,  1.98242188e-01,
         1.72119141e-02, -4.39453125e-03,  1.62109375e-01, -5.21850586e-03,
        -1.94335938e-01,  1.04980469e-01, -7.91015625e-02, -6.83593750e-02,
         1.84570312e-01, -2.17773438e-01,  6.54296875e-02, -1.44531250e-01,
         2.35351562e-01, -1.98242188e-01,  3.61328125e-02, -1.73828125e-01,
         2.02941895e-03, -7.56835938e-02,  2.10937500e-01, -1.26953125e-01,
        -3.88183594e-02,  7.27539062e-02, -1.48437500e-01,  6.73828125e-02,
         4.73632812e-02,  2.12890625e-01, -9.27734375e-02, -1.37695312e-01,
         1.25000000e-01,  4.39453125e-02, -1.62109375e-01, -1.63085938e-01,
        -1.39648438e-01, -7.37304688e-02, -6.83593750e-02,  5.05371094e-02,
         1.64062500e-01,  1.16699219e-01,  2.47802734e-02, -7.56835938e-02,
        -1.99218750e-01, -6.54296875e-02, -5.81054688e-02, -1.82617188e-01,
        -7.27539062e-02, -3.78417969e-02,  1.08242035e-04, -2.28515625e-01,
         4.61425781e-02,  3.90625000e-02,  1.58691406e-02, -1.02539062e-01,
        -1.13769531e-01, -1.00097656e-01,  2.79296875e-01,  4.39453125e-02,
         1.14746094e-01,  1.74804688e-01, -8.64257812e-02, -5.27343750e-02,
         6.34765625e-02,  1.39648438e-01,  2.42919922e-02, -1.68945312e-01,
        -6.29882812e-02,  1.17187500e-01, -2.05078125e-02,  3.02734375e-02,
        -2.47070312e-01, -1.22558594e-01,  7.61718750e-02, -2.34375000e-0
1],
       dtype=float32),
 'sd': array([-0.0625    ,  0.265625  ,  0.14453125,  0.43164062, -0.136718
75,
         0.09472656, -0.03125   , -0.15722656, -0.03125   , -0.01446533,
        -0.17675781, -0.31835938, -0.35546875, -0.20703125,  0.00430298,
         0.1640625 ,  0.19628906,  0.34375   , -0.30664062, -0.22851562,
        -0.328125  ,  0.07324219,  0.07080078,  0.02490234, -0.328125  ,
         0.03979492, -0.40429688,  0.4296875 , -0.16992188, -0.18457031,
         0.14160156,  0.09863281, -0.0625    , -0.00836182, -0.36328125,
        -0.17871094, -0.14453125,  0.26757812,  0.00130463,  0.02893066,
         0.34960938,  0.28710938,  0.33789062,  0.02490234,  0.20605469,
        -0.16992188, -0.11669922, -0.3125    , -0.3203125 ,  0.04467773,
        -0.18945312,  0.12207031,  0.16308594,  0.11376953,  0.12988281,
         0.01348877, -0.37695312,  0.09863281, -0.19140625, -0.32421875,
         0.11523438,  0.05053711, -0.31835938,  0.00193024, -0.0559082 ,
        -0.359375  , -0.12109375,  0.02026367, -0.17089844,  0.06738281,
         0.140625  , -0.05810547, -0.10791016, -0.16503906, -0.28125   ,
         0.04785156,  0.11572266,  0.03100586, -0.03564453, -0.1640625 ,
        -0.2265625 , -0.14648438, -0.06884766,  0.02416992,  0.06103516,
         0.40625   ,  0.23828125,  0.45507812, -0.20019531, -0.00500488,
        -0.06396484, -0.0559082 , -0.10058594,  0.07714844, -0.03735352,
         0.29296875,  0.05541992,  0.06030273,  0.34765625, -0.02160645,
         0.03955078, -0.07714844,  0.17675781,  0.17773438,  0.20800781,
         0.27929688, -0.40039062,  0.10546875,  0.02062988,  0.06982422,
        -0.20605469, -0.33398438, -0.11962891, -0.23242188,  0.19921875,
```

```
         0.28125   ,  0.01782227, -0.11425781,  0.3984375 , -0.02478027,
        -0.03320312,  0.16210938, -0.2421875 ,  0.078125  ,  0.53515625,
        -0.26367188, -0.16113281,  0.15136719,  0.06787109, -0.13769531,
        -0.01043701,  0.07177734,  0.00613403,  0.04931641, -0.24707031,
        -0.18652344,  0.01489258,  0.07958984,  0.02990723,  0.22851562,
         0.10400391, -0.28320312,  0.18359375, -0.34375   ,  0.07568359,
         0.05737305, -0.06445312,  0.20898438, -0.12695312, -0.13671875,
         0.24902344, -0.48046875, -0.17480469, -0.03491211, -0.27539062,
        -0.07714844,  0.11669922,  0.38671875, -0.0378418 ,  0.03881836,
        -0.30859375,  0.04321289, -0.10693359, -0.0534668 ,  0.18457031,
         0.01281738,  0.203125  ,  0.29296875, -0.32617188,  0.12890625,
        -0.11572266, -0.17089844,  0.06884766,  0.12451172, -0.14160156,
         0.25195312, -0.02172852, -0.2421875 ,  0.42578125, -0.03686523,
        -0.08349609,  0.12792969, -0.234375  ,  0.05883789,  0.11669922,
         0.17382812, -0.19726562, -0.08007812, -0.00982666,  0.00488281,
         0.04541016, -0.00479126, -0.4296875 , -0.21582031,  0.22070312,
         0.01135254,  0.12890625, -0.04785156, -0.02050781,  0.02661133,
        -0.02038574,  0.19726562,  0.05419922, -0.18652344,  0.11181641,
        -0.02502441, -0.09277344, -0.16503906, -0.31445312,  0.18261719,
         0.09228516,  0.22265625, -0.44140625, -0.00427246, -0.31640625,
        -0.09863281,  0.41601562, -0.02941895, -0.03271484,  0.2734375 ,
        -0.3046875 ,  0.17871094,  0.23828125,  0.08203125, -0.03295898,
        -0.13476562, -0.03027344,  0.2578125 , -0.29882812,  0.21777344,
        -0.16503906, -0.16503906, -0.24121094, -0.31054688, -0.0859375 ,
         0.02172852,  0.08056641,  0.18066406, -0.11621094,  0.07080078,
         0.25      ,  0.08300781,  0.4453125 ,  0.0027771 ,  0.0324707 ,
         0.17480469, -0.25976562,  0.41015625, -0.09130859, -0.265625  ,
         0.16796875, -0.20214844,  0.13085938,  0.296875  , -0.04638672,
        -0.12695312, -0.05029297,  0.20507812,  0.20507812,  0.01074219,
         0.35742188,  0.07568359,  0.171875  , -0.10546875, -0.11572266,
        -0.13574219,  0.15722656,  0.11132812,  0.04492188, -0.03808594,
         0.02331543,  0.01904297,  0.07617188,  0.01708984, -0.09277344,
         0.06030273, -0.30859375, -0.06689453, -0.13378906,  0.31445312,
         0.05273438,  0.33398438, -0.13183594, -0.13574219, -0.21679688,
        -0.07324219,  0.41601562, -0.00933838, -0.07080078, -0.05908203,
         0.22265625,  0.16699219,  0.09521484,  0.12158203,  0.01928711,
        -0.38085938, -0.10498047, -0.02001953, -0.13964844,  0.08251953],
       dtype=float32),
 'starting': array([ 0.08691406,  0.14746094, -0.07617188,  0.11572266, -0.
00595093,
        -0.05371094, -0.03540039, -0.19140625,  0.03222656,  0.16699219,
         0.1640625 ,  0.04174805,  0.00299072, -0.18261719, -0.18457031,
        -0.0201416 ,  0.16699219,  0.17089844,  0.20996094, -0.0559082 ,
        -0.33203125,  0.03149414, -0.04492188,  0.09521484, -0.10595703,
         0.09082031, -0.00970459,  0.09667969,  0.05639648,  0.23925781,
        -0.03369141, -0.01025391,  0.00053406, -0.22265625,  0.0213623 ,
         0.05395508, -0.03344727, -0.0324707 , -0.0222168 ,  0.0378418 ,
         0.03833008, -0.28515625,  0.16894531, -0.00717163,  0.08105469,
         0.03588867, -0.10449219,  0.10058594,  0.04223633, -0.00448608,
        -0.01794434,  0.21972656, -0.24511719, -0.06176758,  0.04760742,
         0.05297852, -0.05566406,  0.01025391, -0.0480957 , -0.20703125,
        -0.08496094,  0.15234375, -0.06835938, -0.1875    , -0.01123047,
        -0.12060547, -0.04418945,  0.25      ,  0.04125977,  0.04418945,
        -0.03369141,  0.07714844,  0.15722656, -0.10546875, -0.19824219,
        -0.09667969,  0.13183594, -0.06787109, -0.12890625,  0.00866699,
         0.13769531, -0.02124023,  0.02709961,  0.03466797,  0.11523438,
         0.01000977,  0.10205078, -0.02355957,  0.11865234,  0.12304688,
         0.06835938, -0.05566406, -0.09521484, -0.21582031, -0.0189209 ,
        -0.12695312,  0.03039551, -0.15136719, -0.03344727,  0.09619141,
        -0.15527344,  0.10302734,  0.03100586,  0.03417969, -0.15722656,
        -0.16015625, -0.19335938, -0.12353516,  0.02502441,  0.11816406,
         0.03613281, -0.08203125, -0.10253906, -0.10205078,  0.13964844,
        -0.11230469,  0.20019531,  0.09863281,  0.07275391,  0.03491211,
         0.05297852, -0.03979492,  0.03735352,  0.13574219,  0.0078125 ,
```

```
        -0.08007812, -0.06054688, -0.04980469, -0.03564453,  0.15917969,
        -0.02258301, -0.12792969, -0.02807617, -0.01000977, -0.09179688,
        -0.1484375 ,  0.09765625,  0.0859375 , -0.0291748 ,  0.140625  ,
        -0.21875   ,  0.08300781,  0.1484375 ,  0.17773438, -0.0032196 ,
         0.09765625,  0.10449219, -0.08691406, -0.12060547, -0.16113281,
         0.11132812,  0.11230469, -0.15136719,  0.13085938,  0.13964844,
         0.03393555, -0.078125  , -0.16210938, -0.10058594,  0.01977539,
         0.16308594, -0.02258301,  0.00970459, -0.10986328, -0.08544922,
        -0.00245667,  0.05981445,  0.13378906, -0.09277344, -0.30078125,
        -0.20507812, -0.17871094,  0.078125  ,  0.05151367, -0.01452637,
         0.07958984,  0.01263428, -0.0030365 , -0.0246582 ,  0.15332031,
         0.0534668 , -0.18847656,  0.07763672,  0.13085938, -0.07617188,
        -0.03198242, -0.265625  , -0.01098633,  0.3046875 , -0.09179688,
         0.01196289,  0.21679688, -0.01721191, -0.23535156, -0.12207031,
         0.02575684, -0.07617188,  0.08544922,  0.02282715, -0.10595703,
        -0.03735352, -0.14550781,  0.10742188,  0.07421875,  0.01226807,
         0.08447266, -0.16015625, -0.07714844,  0.03662109,  0.06396484,
         0.00273132,  0.19140625, -0.01300049,  0.06982422,  0.04956055,
        -0.02709961,  0.12353516, -0.08203125,  0.0390625 , -0.15917969,
         0.16601562,  0.10449219, -0.07666016,  0.07421875,  0.13867188,
        -0.12792969, -0.08642578,  0.00714111,  0.0213623 , -0.08056641,
        -0.02600098, -0.04199219, -0.03710938,  0.25390625, -0.05834961,
         0.08886719, -0.00854492, -0.14550781, -0.18066406,  0.12988281,
        -0.02832031,  0.08105469, -0.14453125, -0.36523438, -0.05004883,
        -0.00628662, -0.06542969, -0.05029297, -0.0071106 , -0.11230469,
         0.01324463,  0.01757812,  0.11669922, -0.08740234, -0.01623535,
        -0.0043335 ,  0.20117188,  0.09521484, -0.08300781, -0.10107422,
         0.09033203,  0.09863281, -0.00500488,  0.1484375 ,  0.15722656,
        -0.11376953,  0.16894531, -0.04321289, -0.03027344,  0.07714844,
         0.10546875,  0.06787109,  0.10058594, -0.02966309,  0.26367188,
         0.14257812,  0.02160645, -0.05859375, -0.08105469,  0.10888672,
         0.02941895, -0.0612793 ,  0.12597656,  0.14355469,  0.04614258,
        -0.04882812, -0.02026367, -0.04956055,  0.09375   , -0.14257812,
        -0.05029297,  0.01062012, -0.11621094,  0.09082031,  0.11865234,
         0.15332031,  0.0222168 ,  0.03222656,  0.03540039, -0.01647949],
       dtype=float32),
 'location': array([ 3.27148438e-02, -9.61914062e-02,  4.41894531e-02,  1.7
3828125e-01,
        -1.29882812e-01, -5.20019531e-02,  2.86865234e-03, -4.51660156e-02,
         1.76757812e-01,  1.58203125e-01,  8.59375000e-02, -1.39160156e-02,
        -2.19726562e-02, -2.71484375e-01,  3.86718750e-01,  1.37695312e-01,
        -2.67578125e-01, -3.34472656e-02, -9.94873047e-03, -1.55273438e-01,
         4.59671021e-04, -1.50390625e-01, -2.40234375e-01,  1.26953125e-01,
        -1.68945312e-01, -2.61718750e-01, -1.89208984e-02,  1.98242188e-01,
         5.07812500e-02, -3.26171875e-01,  4.58984375e-02, -4.07714844e-02,
        -1.03027344e-01, -3.29589844e-02, -1.60156250e-01, -1.42822266e-02,
         9.03320312e-02, -2.47070312e-01,  6.44531250e-02, -1.40625000e-01,
        -6.88476562e-02,  1.94335938e-01, -1.22558594e-01,  3.61328125e-02,
        -2.13867188e-01, -2.18750000e-01, -5.12695312e-02,  1.80664062e-01,
        -2.75390625e-01,  1.56250000e-01, -1.00585938e-01, -1.44531250e-01,
         4.98046875e-02, -3.61328125e-01, -4.19921875e-02, -1.94335938e-01,
        -5.85937500e-02,  2.73437500e-01,  1.13769531e-01, -2.08984375e-01,
         1.12304688e-01, -7.27539062e-02, -1.64062500e-01, -2.29492188e-01,
        -1.25976562e-01, -5.78613281e-02, -4.41894531e-02,  7.95898438e-02,
         1.16699219e-01,  7.17773438e-02,  7.51953125e-02,  1.29882812e-01,
         5.78613281e-02, -1.87500000e-01, -9.81445312e-02,  1.64794922e-02,
        -3.00292969e-02, -2.72216797e-02,  1.97265625e-01,  1.57226562e-01,
         1.41601562e-01,  4.17480469e-02,  1.28906250e-01, -6.59179688e-02,
         1.96533203e-02, -1.10839844e-01, -5.29785156e-02,  1.11328125e-01,
         1.18652344e-01,  7.71484375e-02,  1.86523438e-01, -2.21679688e-01,
        -8.44726562e-02, -2.50244141e-02,  9.03320312e-02,  1.87500000e-01,
        -1.48437500e-01, -1.19140625e-01, -9.58251953e-03, -3.14941406e-02,
        -5.83496094e-02,  6.68945312e-02,  8.83789062e-02,  7.17773438e-02,
         1.50390625e-01, -3.41796875e-02, -1.91406250e-01, -3.07617188e-02,
```

```
        -1.92382812e-01, -7.61718750e-02,  9.46044922e-03, -8.98437500e-02,
         9.47265625e-02, -4.66796875e-01,  1.46484375e-01,  2.13623047e-02,
         2.37304688e-01, -1.52343750e-01, -1.79443359e-02, -4.93164062e-02,
        -1.84570312e-01, -2.13867188e-01,  3.66210938e-02,  2.85156250e-01,
         1.22680664e-02,  1.56250000e-01, -3.00781250e-01, -2.25585938e-01,
         2.96630859e-02,  5.44433594e-02, -9.39941406e-03, -1.99218750e-01,
         1.73828125e-01,  7.91015625e-02, -5.24902344e-02, -2.31445312e-01,
         2.08984375e-01, -2.91015625e-01, -7.17773438e-02,  1.32812500e-01,
         1.28906250e-01, -3.99780273e-03, -8.64257812e-02, -6.37817383e-03,
         1.37695312e-01,  5.27343750e-02,  3.20434570e-03,  1.01562500e-01,
        -3.69140625e-01,  1.74804688e-01,  2.29492188e-02,  2.27539062e-01,
         8.83789062e-02, -1.14746094e-01, -5.17578125e-02, -1.38671875e-01,
         1.34277344e-02,  2.01416016e-02, -5.27954102e-03,  9.32617188e-02,
        -1.23046875e-01, -8.64257812e-02,  1.18164062e-01, -7.81250000e-03,
        -2.21679688e-01,  1.48437500e-01, -1.07910156e-01, -4.49218750e-02,
        -7.76367188e-02, -1.60156250e-01,  3.80859375e-02,  1.00097656e-01,
         7.22656250e-02, -1.28906250e-01, -2.24609375e-02, -4.46777344e-02,
         8.64257812e-02, -2.55859375e-01,  7.47070312e-02, -2.05078125e-01,
        -2.42187500e-01,  5.44433594e-02,  4.93164062e-02, -3.37890625e-01,
         1.79443359e-02, -4.02343750e-01,  5.12695312e-02,  2.55859375e-01,
         1.96289062e-01,  1.25976562e-01, -9.27734375e-02,  5.32226562e-02,
        -1.04980469e-01,  1.81640625e-01, -3.14453125e-01,  2.16064453e-02,
         2.80761719e-02,  2.69775391e-02,  1.16210938e-01, -1.50756836e-02,
         1.16210938e-01, -1.17187500e-01, -2.12890625e-01, -8.69140625e-02,
        -4.44335938e-02,  6.20117188e-02,  1.04980469e-01,  3.12500000e-01,
         3.20312500e-01,  2.44140625e-02,  1.97265625e-01,  4.07714844e-02,
        -1.94335938e-01,  1.55273438e-01, -1.09375000e-01,  9.13085938e-02,
         6.88476562e-02, -1.48437500e-01, -2.75390625e-01,  1.74804688e-01,
         1.09375000e-01,  1.36718750e-01, -8.30078125e-02, -3.18359375e-01,
        -1.88476562e-01,  1.39648438e-01, -2.12890625e-01,  1.44042969e-02,
        -1.44531250e-01,  3.70788574e-03, -2.89916992e-03, -3.45703125e-01,
        -1.59179688e-01, -1.98242188e-01,  3.49609375e-01, -1.51367188e-01,
        -6.00585938e-02, -2.48046875e-01, -5.17578125e-02, -2.31933594e-02,
         1.23535156e-01, -2.05078125e-02,  2.42919922e-02, -1.12304688e-01,
         1.87500000e-01,  5.54199219e-02,  5.00488281e-02,  1.14257812e-01,
         1.57226562e-01, -7.22656250e-02, -1.63085938e-01,  8.44726562e-02,
        -5.51757812e-02, -2.33398438e-01,  2.06054688e-01,  6.44531250e-02,
         1.59179688e-01,  5.78613281e-02, -3.43750000e-01, -1.25000000e-01,
        -5.54199219e-02, -3.00781250e-01, -1.01074219e-01,  5.17578125e-02,
         4.57031250e-01,  1.14257812e-01, -3.61328125e-02, -3.18359375e-01,
        -1.29882812e-01, -5.59082031e-02,  8.05664062e-03, -5.17578125e-02,
         4.71191406e-02,  1.17675781e-01, -5.83496094e-02, -1.20605469e-01,
        -3.27148438e-02, -1.07910156e-01,  3.73535156e-02, -1.19140625e-01,
        -9.47265625e-02, -3.68652344e-02, -1.89208984e-02,  2.01171875e-01,
        -1.94335938e-01,  1.23535156e-01, -1.57226562e-01, -8.05664062e-02,
        -7.22656250e-02,  3.71093750e-02, -1.95312500e-01,  2.67578125e-01,
        -2.38281250e-01, -3.17382812e-02,  2.28515625e-01, -4.83398438e-02,
         1.00097656e-01, -1.76757812e-01,  1.58691406e-02, -8.54492188e-0
2],
       dtype=float32),
 'proven': array([-0.16992188,  0.1484375 , -0.08349609,  0.02148438,  0.05
126953,
         0.15527344, -0.00178528, -0.05541992,  0.12890625,  0.07568359,
        -0.08300781,  0.08544922,  0.12695312, -0.125     ,  0.1171875 ,
         0.25390625, -0.08007812, -0.03295898, -0.296875  , -0.08251953,
         0.01806641, -0.08544922, -0.1015625 , -0.10253906,  0.07470703,
        -0.25195312, -0.15820312,  0.00811768, -0.39257812, -0.14355469,
         0.16210938,  0.02062988,  0.10839844,  0.05957031,  0.08984375,
         0.31640625, -0.09082031, -0.12353516,  0.00527954, -0.13378906,
         0.18847656, -0.04003906,  0.07421875, -0.28125   ,  0.05371094,
        -0.20019531, -0.11914062,  0.1953125 ,  0.07226562, -0.15625   ,
        -0.10107422,  0.0050354 , -0.39257812, -0.2265625 ,  0.18359375,
         0.29492188, -0.04711914, -0.37109375,  0.171875  ,  0.1640625 ,
        -0.02075195,  0.05200195,  0.16210938, -0.18457031, -0.04516602,
```

```
        -0.05493164,  0.02807617,  0.08105469, -0.04833984,  0.02868652,
        -0.09960938,  0.44140625,  0.10205078,  0.04516602, -0.01611328,
        -0.05908203,  0.22460938,  0.05444336,  0.25      ,  0.16601562,
        -0.0255127 , -0.0213623 ,  0.06933594, -0.10107422,  0.04541016,
        -0.32226562, -0.22265625,  0.2109375 , -0.04296875, -0.02563477,
         0.11865234, -0.10351562,  0.09326172, -0.05151367, -0.15429688,
        -0.29101562, -0.01708984,  0.09082031,  0.2734375 ,  0.02026367,
         0.12060547, -0.02587891,  0.07421875,  0.40625   , -0.19238281,
        -0.05078125, -0.02929688, -0.21484375,  0.22363281, -0.17773438,
         0.16210938,  0.11669922, -0.125     ,  0.09863281,  0.10351562,
         0.13183594, -0.16796875,  0.09228516,  0.06298828, -0.25585938,
         0.01965332,  0.08154297,  0.12207031,  0.11767578, -0.16308594,
        -0.06738281, -0.02978516, -0.17578125,  0.04003906, -0.01696777,
        -0.07128906, -0.13867188,  0.08496094, -0.0090332 , -0.15820312,
        -0.00567627,  0.37695312, -0.08642578,  0.11572266,  0.19433594,
        -0.15332031, -0.05883789,  0.29492188,  0.05151367,  0.01806641,
         0.06835938, -0.00299072,  0.00350952,  0.1640625 ,  0.13085938,
         0.09667969, -0.01196289, -0.03100586,  0.03088379, -0.10107422,
         0.11669922,  0.19335938,  0.13085938, -0.13378906, -0.23730469,
        -0.03320312,  0.24121094, -0.10449219, -0.21972656, -0.12451172,
        -0.16113281, -0.21484375, -0.13183594, -0.07177734, -0.03198242,
         0.08203125, -0.07763672,  0.09375   , -0.359375  ,  0.16992188,
         0.02307129, -0.06640625, -0.3203125 , -0.296875  , -0.11474609,
         0.04589844,  0.08105469, -0.01867676,  0.08349609, -0.3515625 ,
        -0.12011719, -0.22460938, -0.29101562, -0.11083984,  0.03051758,
        -0.33984375,  0.00717163,  0.265625  , -0.14160156, -0.06396484,
         0.06396484,  0.01031494, -0.00183105,  0.07861328, -0.15820312,
         0.08007812,  0.17578125, -0.02868652, -0.12402344, -0.3515625 ,
        -0.10888672, -0.00215149, -0.12207031, -0.09326172, -0.02453613,
        -0.26171875,  0.1875    , -0.05761719, -0.09033203, -0.10791016,
         0.05395508,  0.24414062, -0.10839844, -0.01422119, -0.03466797,
        -0.12402344, -0.15820312, -0.32226562,  0.06494141,  0.26757812,
         0.04614258,  0.09179688, -0.05224609, -0.11230469, -0.19238281,
        -0.26757812,  0.16210938,  0.17382812, -0.11523438, -0.3203125 ,
        -0.03027344, -0.00297546, -0.15332031,  0.06396484,  0.02075195,
        -0.20898438,  0.0402832 , -0.09960938, -0.05004883, -0.03637695,
        -0.13574219,  0.04052734, -0.078125  ,  0.15234375, -0.30078125,
        -0.10546875, -0.22460938, -0.09472656,  0.19140625,  0.22070312,
         0.1171875 , -0.18261719,  0.00842285, -0.06738281, -0.34375   ,
         0.13378906,  0.02758789, -0.00872803,  0.25      ,  0.02612305,
         0.125     , -0.1328125 , -0.33203125, -0.16210938, -0.09570312,
         0.15917969,  0.02685547, -0.24707031, -0.21679688, -0.06933594,
         0.20996094, -0.22363281,  0.05981445,  0.09521484, -0.27148438,
         0.00134277,  0.18261719,  0.13769531, -0.15722656, -0.16015625,
        -0.04077148, -0.19628906, -0.11523438,  0.19921875,  0.05639648,
         0.10888672,  0.4609375 , -0.01843262,  0.31054688, -0.02661133,
        -0.09033203,  0.29492188, -0.07519531,  0.00830078,  0.31835938],
       dtype=float32),
 'solutions': array([-0.10644531, -0.03369141,  0.02709961,  0.20996094, -
0.13378906,
         0.17480469,  0.21191406, -0.01245117,  0.11035156, -0.09326172,
         0.05395508, -0.22265625, -0.06347656, -0.08398438,  0.05639648,
        -0.06640625,  0.06933594,  0.07177734, -0.02270508, -0.07470703,
         0.03393555,  0.09667969, -0.07226562,  0.06982422, -0.19726562,
         0.17871094,  0.04272461, -0.02319336,  0.06225586, -0.39648438,
        -0.0234375 ,  0.10595703, -0.15234375, -0.00279236,  0.03564453,
        -0.07177734,  0.12109375, -0.3359375 ,  0.17382812,  0.01672363,
        -0.21191406,  0.20410156, -0.04199219,  0.00756836, -0.1328125 ,
        -0.08056641, -0.17675781, -0.23242188, -0.10644531,  0.20996094,
        -0.16796875,  0.12988281, -0.16113281, -0.17871094, -0.00509644,
         0.09863281, -0.14160156, -0.22753906,  0.19921875, -0.31054688,
         0.13964844,  0.05175781, -0.25585938, -0.07714844, -0.14550781,
         0.20898438, -0.16699219,  0.33984375,  0.10107422,  0.01379395,
         0.05053711,  0.07226562,  0.11816406,  0.1640625 , -0.03491211,
```

```
        -0.32617188, -0.02001953,  0.02893066, -0.01403809,  0.05444336,
         0.1015625 ,  0.1640625 , -0.04174805, -0.03930664,  0.38671875,
        -0.21972656, -0.14746094,  0.0005722 ,  0.07421875,  0.20996094,
         0.46289062, -0.30078125, -0.22753906,  0.19628906, -0.26953125,
        -0.34375   , -0.20117188,  0.06176758,  0.09619141, -0.02844238,
        -0.05053711, -0.0612793 , -0.171875  ,  0.06176758, -0.02661133,
        -0.04736328,  0.09667969,  0.08154297,  0.38476562, -0.02392578,
         0.32226562, -0.15625   , -0.04907227,  0.21679688, -0.0703125 ,
         0.01202393, -0.01501465, -0.19238281,  0.29882812, -0.06542969,
        -0.22460938,  0.2109375 ,  0.03369141, -0.16796875,  0.11523438,
        -0.07421875, -0.23828125,  0.21484375,  0.10791016,  0.04003906,
         0.09375   ,  0.296875  , -0.07861328, -0.125     , -0.20214844,
         0.04003906,  0.42382812, -0.05322266,  0.05249023,  0.11230469,
        -0.09814453, -0.10253906,  0.359375  ,  0.20019531, -0.05224609,
        -0.265625  , -0.12890625, -0.2578125 ,  0.078125  ,  0.10107422,
         0.04077148,  0.05102539,  0.06176758, -0.12988281,  0.00805664,
         0.00091934,  0.09912109,  0.27929688, -0.18359375, -0.39453125,
        -0.01208496, -0.01013184, -0.24316406, -0.04199219,  0.0133667 ,
         0.13574219,  0.02429199,  0.03833008, -0.24023438, -0.00646973,
         0.13964844,  0.10009766,  0.04077148, -0.09570312,  0.10009766,
        -0.03222656,  0.13867188,  0.05883789, -0.4375    , -0.11767578,
        -0.39453125, -0.08105469,  0.11474609,  0.07128906, -0.18554688,
        -0.22851562, -0.33203125,  0.08398438,  0.13769531,  0.26367188,
        -0.30078125, -0.14355469,  0.07958984, -0.15429688, -0.22949219,
        -0.00982666, -0.00866699, -0.07324219,  0.12304688, -0.33984375,
        -0.13964844, -0.04199219,  0.04345703,  0.13964844, -0.11035156,
        -0.00866699,  0.20214844, -0.09814453,  0.16015625, -0.20996094,
        -0.13769531, -0.07080078,  0.00595093,  0.12255859, -0.15527344,
         0.08300781,  0.09814453,  0.00120544, -0.29296875,  0.20800781,
         0.00160217, -0.10058594, -0.05249023,  0.22851562, -0.28320312,
         0.13085938, -0.03588867, -0.09912109, -0.13964844, -0.01782227,
        -0.203125  ,  0.02832031,  0.02978516, -0.34375   , -0.23046875,
         0.03344727, -0.24121094,  0.14355469,  0.14746094,  0.15332031,
         0.20410156,  0.01611328, -0.06787109,  0.23730469,  0.16894531,
         0.05444336, -0.140625  ,  0.27148438,  0.04589844, -0.16601562,
        -0.02587891, -0.25976562, -0.22460938,  0.06542969, -0.04956055,
        -0.21777344, -0.07861328, -0.15429688, -0.09619141, -0.04052734,
         0.15625   ,  0.11767578,  0.10546875,  0.01135254,  0.11572266,
         0.171875  , -0.00134277,  0.05688477, -0.33203125,  0.14355469,
        -0.18847656, -0.05444336, -0.09863281, -0.01306152, -0.06640625,
         0.22851562, -0.19726562,  0.16015625,  0.00343323, -0.16796875,
        -0.3203125 , -0.10839844,  0.125     ,  0.12597656, -0.1484375 ,
         0.04272461,  0.10107422, -0.04296875, -0.03857422,  0.06152344,
        -0.20214844,  0.20605469, -0.17382812,  0.30273438,  0.15332031,
         0.19042969,  0.15039062, -0.07421875,  0.03295898,  0.10693359],
       dtype=float32),
 'voted': array([ 0.18652344,  0.18359375,  0.31640625, -0.171875  , -0.198
24219,
        -0.296875  ,  0.05371094, -0.13378906, -0.13769531, -0.14355469,
        -0.11962891,  0.32226562, -0.14257812,  0.0014267 ,  0.09179688,
         0.3515625 ,  0.24609375, -0.08105469,  0.01464844,  0.06689453,
         0.16992188,  0.09521484, -0.15917969,  0.03100586,  0.06542969,
         0.05712891,  0.00164032,  0.24609375, -0.26367188,  0.08398438,
         0.3359375 , -0.11425781,  0.24316406, -0.06640625,  0.234375  ,
        -0.14453125,  0.07714844,  0.16992188, -0.30859375,  0.11621094,
         0.00236511, -0.19042969,  0.34375   , -0.15625   , -0.20410156,
         0.10449219,  0.22949219, -0.19433594, -0.34765625, -0.05859375,
        -0.28710938, -0.109375  ,  0.21582031,  0.05932617,  0.06005859,
         0.04711914,  0.06494141,  0.18945312, -0.06542969,  0.06787109,
         0.13867188,  0.15332031, -0.04052734, -0.2734375 , -0.12402344,
        -0.08007812, -0.10351562,  0.38867188,  0.19042969,  0.20117188,
         0.11328125, -0.26953125,  0.10546875,  0.42773438, -0.29101562,
        -0.19824219,  0.06689453,  0.04736328,  0.28125   ,  0.24121094,
        -0.13378906, -0.29492188,  0.10498047,  0.19433594,  0.07128906,
```

```
        -0.04858398, -0.11572266,  0.11523438,  0.25195312,  0.08691406,
         0.06494141,  0.14257812, -0.08300781,  0.22753906,  0.05200195,
        -0.00494385, -0.23632812,  0.06933594, -0.01660156, -0.20996094,
         0.07177734,  0.21582031,  0.04980469,  0.1796875 ,  0.00163269,
        -0.10791016, -0.03112793, -0.39257812, -0.02807617, -0.28710938,
        -0.03051758, -0.21875   , -0.00860596, -0.0378418 ,  0.27539062,
        -0.12792969, -0.01647949, -0.2890625 ,  0.1875    , -0.18945312,
         0.3515625 ,  0.27734375,  0.10595703,  0.12597656,  0.02978516,
         0.03100586,  0.19042969, -0.37695312, -0.18652344, -0.21777344,
        -0.140625  ,  0.05175781, -0.16015625, -0.02770996,  0.08984375,
         0.03417969, -0.42382812,  0.05786133,  0.03613281,  0.00805664,
        -0.19335938, -0.07324219,  0.17578125, -0.22167969,  0.140625  ,
         0.06689453, -0.375     , -0.18261719,  0.20507812,  0.03808594,
        -0.05615234, -0.14453125,  0.00521851, -0.03063965,  0.20117188,
         0.08496094,  0.04467773,  0.15722656,  0.13671875, -0.12207031,
        -0.18457031, -0.07910156,  0.12988281, -0.09863281, -0.22363281,
        -0.37304688, -0.19042969,  0.2265625 ,  0.28125   , -0.20800781,
        -0.03295898,  0.30664062, -0.03686523, -0.1328125 ,  0.04492188,
        -0.05712891,  0.05566406,  0.19335938, -0.18359375,  0.05029297,
        -0.03076172,  0.03808594, -0.14355469, -0.16601562,  0.12890625,
        -0.29882812, -0.25195312, -0.03344727,  0.33203125, -0.01226807,
         0.16601562, -0.02844238,  0.109375  ,  0.19433594, -0.18066406,
         0.29101562,  0.46679688,  0.24609375,  0.01300049, -0.19824219,
        -0.14648438,  0.23925781,  0.37304688, -0.07958984, -0.02734375,
         0.33789062,  0.10839844,  0.03466797,  0.17578125, -0.13574219,
         0.15527344,  0.43554688,  0.00411987, -0.06640625, -0.21582031,
         0.08251953,  0.06982422,  0.07714844, -0.02758789, -0.12695312,
        -0.03271484,  0.06591797, -0.12353516,  0.08691406,  0.27539062,
        -0.01794434,  0.05029297,  0.21289062,  0.01953125,  0.05737305,
        -0.17285156,  0.03320312,  0.25390625,  0.24804688, -0.08007812,
         0.1015625 ,  0.07226562, -0.24707031,  0.38476562, -0.16210938,
         0.25976562, -0.25390625, -0.06884766, -0.10498047, -0.12695312,
         0.05395508,  0.09472656,  0.22753906, -0.18847656, -0.09716797,
        -0.22851562,  0.14941406, -0.00646973, -0.01538086, -0.04394531,
         0.1171875 ,  0.20507812,  0.06494141,  0.10888672,  0.07177734,
        -0.2421875 , -0.11279297, -0.21582031, -0.11523438,  0.09082031,
         0.05029297, -0.1796875 ,  0.27929688, -0.10839844,  0.12451172,
         0.02258301, -0.07763672, -0.17675781, -0.07910156,  0.265625  ,
        -0.10888672, -0.14160156,  0.17871094, -0.26757812, -0.01202393,
        -0.01782227,  0.36328125, -0.20410156,  0.34375   , -0.18847656,
        -0.20605469, -0.04345703,  0.27929688,  0.33984375,  0.09863281,
        -0.06152344,  0.00680542, -0.08496094,  0.07617188, -0.14746094,
        -0.18554688,  0.02282715, -0.08740234,  0.17382812,  0.09082031],
       dtype=float32),
 'top': array([-0.10791016,  0.02001953,  0.11425781, -0.08496094,  0.07519
531,
        -0.30859375, -0.12402344, -0.20410156,  0.07568359,  0.1484375 ,
         0.19824219, -0.07763672,  0.04467773,  0.07763672, -0.09375   ,
        -0.02783203,  0.01324463, -0.18261719, -0.18164062,  0.18847656,
         0.01159668,  0.12207031, -0.36328125,  0.01483154,  0.05517578,
        -0.06884766, -0.16992188,  0.02880859,  0.05029297,  0.0039978 ,
        -0.06225586,  0.04101562,  0.21289062,  0.03613281,  0.09619141,
        -0.03540039, -0.04711914, -0.01806641, -0.20703125,  0.0111084 ,
         0.10693359, -0.39648438, -0.09472656, -0.02612305,  0.04199219,
         0.12988281,  0.19140625, -0.140625  ,  0.03417969,  0.03613281,
        -0.03662109,  0.13085938,  0.00221252,  0.01696777, -0.18652344,
        -0.09716797, -0.04492188, -0.13671875,  0.08691406,  0.15234375,
        -0.01202393,  0.13769531, -0.1875    , -0.08544922, -0.12060547,
         0.0703125 , -0.05249023,  0.01068115,  0.1796875 ,  0.15527344,
        -0.09375   ,  0.02783203,  0.20996094,  0.09716797, -0.21679688,
        -0.05029297, -0.10986328,  0.21679688, -0.03637695, -0.19140625,
         0.11376953, -0.04052734,  0.04272461,  0.02868652,  0.11572266,
        -0.06396484, -0.09667969, -0.06176758, -0.06347656,  0.16992188,
         0.06347656, -0.02172852, -0.0027771 , -0.07373047, -0.03088379,
```

```
        -0.10644531,  0.1171875 , -0.09667969, -0.2578125 ,  0.0222168 ,
        -0.17285156,  0.03466797, -0.01477051, -0.16699219, -0.16308594,
         0.13671875, -0.14355469, -0.125     , -0.00363159, -0.16113281,
         0.18457031,  0.02636719, -0.03735352,  0.15917969, -0.00430298,
         0.03637695, -0.03295898, -0.02478027,  0.06884766, -0.07324219,
        -0.40625   , -0.10107422,  0.01843262,  0.19628906, -0.06640625,
        -0.03735352,  0.04833984, -0.23828125,  0.10839844,  0.15625   ,
        -0.03637695, -0.02941895,  0.10546875, -0.01306152,  0.08398438,
        -0.16308594,  0.140625  ,  0.01312256,  0.10009766,  0.03149414,
        -0.02648926, -0.23828125,  0.08544922, -0.03613281,  0.08886719,
         0.11230469,  0.1484375 , -0.08154297, -0.01672363, -0.11767578,
        -0.14355469,  0.16796875, -0.06689453,  0.04418945, -0.11425781,
         0.02416992, -0.17578125, -0.14648438, -0.10839844, -0.07519531,
        -0.21289062, -0.20410156, -0.07666016, -0.07275391, -0.02026367,
        -0.19140625,  0.09179688, -0.13867188, -0.16796875,  0.07519531,
        -0.20117188, -0.09179688,  0.01367188,  0.01031494, -0.12890625,
         0.0111084 ,  0.03271484, -0.02038574, -0.16015625,  0.00778198,
        -0.17773438, -0.26757812,  0.10693359,  0.140625  , -0.08056641,
         0.12597656,  0.08984375,  0.14746094,  0.22265625,  0.03369141,
         0.13183594, -0.0201416 , -0.05297852, -0.17480469, -0.11425781,
         0.06787109, -0.08398438, -0.04516602, -0.06933594, -0.30078125,
         0.05029297,  0.3046875 ,  0.10205078, -0.03930664, -0.16992188,
        -0.08203125,  0.06030273, -0.09765625, -0.06103516,  0.01513672,
        -0.03173828, -0.12109375, -0.06030273,  0.09765625, -0.11425781,
        -0.09375   , -0.03979492,  0.09326172,  0.11621094, -0.06445312,
        -0.06738281,  0.06005859, -0.00915527,  0.15136719,  0.06591797,
        -0.0859375 ,  0.00799561, -0.21972656,  0.11279297,  0.08544922,
        -0.06982422, -0.18652344, -0.10693359,  0.12597656, -0.03344727,
         0.01843262,  0.00787354, -0.08642578, -0.0480957 , -0.00726318,
         0.06982422,  0.11376953, -0.06689453, -0.14941406,  0.00830078,
         0.09570312,  0.04541016, -0.16699219,  0.0625    , -0.11914062,
        -0.06835938, -0.02746582,  0.05395508, -0.12451172, -0.09423828,
         0.17480469, -0.16503906,  0.16503906, -0.01867676, -0.11328125,
         0.140625  ,  0.15234375, -0.09814453,  0.09912109,  0.12060547,
         0.10595703, -0.17773438, -0.00939941, -0.06933594, -0.03955078,
         0.00128174,  0.13085938, -0.15527344, -0.23828125, -0.16015625,
         0.12988281, -0.1875    , -0.40429688, -0.10498047,  0.19921875,
         0.04370117,  0.09228516, -0.0480957 ,  0.31054688, -0.02038574,
        -0.0222168 , -0.22167969,  0.02050781,  0.13183594, -0.17578125,
         0.16796875, -0.08691406, -0.171875  , -0.02770996, -0.09960938,
        -0.20410156, -0.12792969, -0.01318359,  0.02429199,  0.01647949],
       dtype=float32),
 'places': array([-0.01538086,  0.12988281,  0.07763672,  0.09814453, -0.11
279297,
        -0.17089844, -0.0612793 , -0.0324707 ,  0.04736328,  0.06347656,
         0.16894531, -0.1015625 ,  0.02929688, -0.02319336, -0.05419922,
        -0.03857422,  0.02612305,  0.109375  , -0.06225586,  0.0859375 ,
         0.09814453, -0.14550781, -0.05712891, -0.05322266, -0.17382812,
        -0.23925781, -0.17480469,  0.02758789, -0.11474609, -0.07666016,
        -0.02429199,  0.265625  ,  0.05615234,  0.24414062, -0.07421875,
        -0.25      , -0.01080322, -0.15527344, -0.09667969,  0.29296875,
        -0.109375  , -0.03344727,  0.14746094,  0.17871094,  0.16699219,
         0.01257324, -0.07861328, -0.02404785, -0.07617188, -0.10058594,
        -0.04638672,  0.08056641,  0.05151367, -0.19042969, -0.12109375,
        -0.22460938,  0.02661133,  0.04907227, -0.03466797, -0.10107422,
         0.01940918, -0.125     , -0.06298828, -0.234375  , -0.21875   ,
        -0.04394531, -0.08349609,  0.10253906, -0.0255127 , -0.07666016,
        -0.07958984, -0.07666016,  0.13476562,  0.11083984, -0.02685547,
        -0.19628906, -0.26367188,  0.00463867,  0.03540039,  0.00872803,
        -0.05004883, -0.01831055,  0.21582031, -0.22265625, -0.17382812,
         0.046875  , -0.0168457 ,  0.08789062,  0.01531982,  0.16210938,
         0.16699219,  0.0402832 , -0.27734375, -0.23242188, -0.03930664,
         0.02539062,  0.10400391, -0.05566406,  0.08007812, -0.19238281,
        -0.06005859, -0.01422119,  0.01818848,  0.22363281, -0.00110626,
```

```
        -0.17089844,  0.00424194,  0.04833984, -0.07568359, -0.04492188,
        -0.05761719,  0.04150391,  0.05664062, -0.11865234,  0.07861328,
        -0.11669922,  0.25976562, -0.09960938, -0.07470703, -0.05419922,
        -0.3125    ,  0.13378906,  0.08105469,  0.20117188, -0.27734375,
         0.12109375, -0.03857422, -0.15429688,  0.01403809, -0.07373047,
         0.00521851, -0.33203125,  0.16113281, -0.08642578, -0.08154297,
        -0.19042969,  0.16894531, -0.15332031,  0.04663086,  0.13476562,
         0.11669922,  0.04785156,  0.14355469, -0.07714844,  0.0456543 ,
         0.19824219, -0.16601562,  0.01367188, -0.27734375, -0.01696777,
         0.11816406,  0.17089844,  0.03417969, -0.13769531,  0.02075195,
        -0.05200195, -0.24609375,  0.0456543 , -0.109375  , -0.06884766,
         0.04370117, -0.01550293, -0.125     ,  0.08935547, -0.0559082 ,
         0.0177002 , -0.09960938, -0.13769531, -0.11035156, -0.18066406,
        -0.09130859,  0.18945312, -0.11425781, -0.04248047, -0.10693359,
        -0.02600098, -0.08886719, -0.10644531, -0.04882812, -0.04516602,
        -0.19824219, -0.13671875,  0.01171875,  0.07519531,  0.1328125 ,
        -0.2421875 , -0.03808594,  0.21679688,  0.15722656,  0.2265625 ,
         0.05322266,  0.02380371, -0.0279541 , -0.01733398, -0.20019531,
        -0.01422119, -0.21679688, -0.08251953, -0.0480957 , -0.23242188,
         0.25195312,  0.06884766,  0.09521484, -0.10791016,  0.03369141,
        -0.04858398, -0.04760742, -0.08544922, -0.00653076,  0.05810547,
         0.11328125, -0.0703125 , -0.23535156,  0.17480469, -0.28710938,
         0.08154297,  0.0456543 ,  0.17480469,  0.14160156, -0.0098877 ,
         0.16992188, -0.171875  , -0.03125   , -0.00866699, -0.25390625,
         0.01464844, -0.12597656,  0.00071335,  0.05273438, -0.06396484,
        -0.04370117, -0.12304688,  0.14550781,  0.20019531,  0.24707031,
         0.05664062, -0.00650024, -0.10058594,  0.13183594,  0.09570312,
         0.10351562, -0.07470703,  0.12255859, -0.015625  , -0.03515625,
        -0.12451172, -0.13867188,  0.01391602, -0.03881836,  0.1015625 ,
        -0.125     ,  0.07763672,  0.10107422,  0.02416992, -0.11181641,
        -0.19042969,  0.03637695,  0.07275391, -0.03613281,  0.06494141,
        -0.02709961, -0.10400391,  0.32421875,  0.13183594,  0.11865234,
         0.12792969,  0.0703125 ,  0.0213623 ,  0.01245117, -0.07666016,
        -0.08251953,  0.12451172,  0.12695312,  0.11914062,  0.01184082,
         0.00793457, -0.07568359, -0.19433594,  0.14355469, -0.07568359,
         0.00271606, -0.25      ,  0.01159668,  0.10302734, -0.13574219,
         0.10888672, -0.16601562, -0.23144531, -0.19921875, -0.03417969,
        -0.0222168 , -0.09570312, -0.37695312,  0.00811768, -0.01635742,
        -0.14355469,  0.06640625, -0.03344727,  0.24804688,  0.08886719],
       dtype=float32),
 'boston': array([-5.11718750e-01, -8.54492188e-02, -6.05468750e-02,  4.335
93750e-01,
         1.94335938e-01, -1.84570312e-01, -1.27929688e-01, -3.08593750e-01,
        -9.71679688e-02, -2.73437500e-02, -5.85937500e-01, -5.00000000e-01,
        -4.17968750e-01, -1.35742188e-01,  3.06640625e-01,  2.44140625e-01,
         1.16210938e-01, -3.55468750e-01,  3.12500000e-01, -2.55859375e-01,
        -1.59179688e-01,  5.06591797e-03,  1.59179688e-01, -5.78613281e-02,
        -4.47265625e-01,  1.86523438e-01, -2.71484375e-01,  2.49023438e-01,
        -4.27734375e-01,  8.39843750e-02,  7.37304688e-02,  9.52148438e-02,
        -6.44531250e-02, -1.43554688e-01, -1.20117188e-01, -1.28936768e-03,
        -1.14257812e-01,  7.76367188e-02,  2.57812500e-01, -3.17382812e-02,
         3.44238281e-02, -8.34960938e-02,  8.49609375e-02, -9.17968750e-02,
        -9.27734375e-02,  6.88476562e-02, -5.37872314e-04, -3.37890625e-01,
        -9.22851562e-02,  1.08886719e-01,  1.09863281e-01,  1.59179688e-01,
         5.61523438e-02,  2.05078125e-01, -1.64794922e-02, -4.32128906e-02,
        -1.55273438e-01, -1.09863281e-01, -1.00097656e-01,  4.80957031e-02,
        -4.02832031e-02, -4.37011719e-02, -8.98437500e-02, -1.49414062e-01,
         6.00585938e-02, -6.71875000e-01, -1.08398438e-01,  7.71484375e-02,
         9.91210938e-02,  1.59179688e-01,  4.14062500e-01,  5.35156250e-01,
         1.48437500e-01, -6.88476562e-02, -4.43359375e-01,  1.04003906e-01,
         1.54296875e-01,  5.02929688e-02, -4.16015625e-01, -1.35742188e-01,
         1.73828125e-01,  3.41796875e-01,  1.32812500e-01, -5.27343750e-01,
         1.87500000e-01,  9.81445312e-02,  2.39257812e-02,  9.76562500e-03,
         2.27539062e-01, -1.04003906e-01, -5.59082031e-02,  5.63964844e-02,
```

```
        -1.46484375e-01, -1.65039062e-01, -2.65625000e-01,  3.04687500e-01,
         4.29687500e-02, -2.77343750e-01,  2.83203125e-01,  2.63671875e-01,
        -7.22656250e-02, -6.59179688e-02,  8.15429688e-02,  1.25976562e-01,
        -9.03320312e-02,  1.54418945e-02, -2.61718750e-01,  7.42187500e-02,
         6.15234375e-02, -6.59179688e-02, -3.00781250e-01, -1.17187500e-01,
        -1.25976562e-01,  6.10351562e-02,  2.55859375e-01,  5.22460938e-02,
         2.90527344e-02, -3.24218750e-01,  1.83593750e-01,  1.51367188e-01,
        -2.81250000e-01, -1.62109375e-01, -2.19726562e-02, -2.04101562e-01,
         4.33593750e-01, -8.98437500e-02, -1.18408203e-02,  2.26562500e-01,
         1.09863281e-01, -1.58203125e-01, -2.96875000e-01,  5.29785156e-02,
         8.74023438e-02,  1.75781250e-01, -1.06445312e-01,  1.18652344e-01,
        -1.81884766e-02,  5.78613281e-02, -6.29882812e-02, -6.03027344e-02,
         2.79296875e-01,  5.02929688e-02, -8.64257812e-02, -3.63281250e-01,
         1.62109375e-01,  2.67333984e-02, -2.17773438e-01, -1.12792969e-01,
         4.19921875e-02, -9.86328125e-02,  4.21875000e-01, -1.42578125e-01,
        -4.62890625e-01,  2.41210938e-01, -1.46484375e-01, -3.98437500e-01,
         2.24609375e-01,  3.10546875e-01, -3.71093750e-01,  1.33666992e-02,
        -1.89453125e-01, -8.44726562e-02,  1.04980469e-01,  4.78515625e-02,
         2.38281250e-01, -3.16406250e-01,  9.03320312e-02, -2.12890625e-01,
        -2.92968750e-01,  8.49609375e-02, -5.23437500e-01, -1.82617188e-01,
         1.82617188e-01, -1.86523438e-01, -1.31835938e-01,  2.73437500e-01,
         2.61230469e-02, -3.92578125e-01,  3.78906250e-01,  8.98437500e-02,
         1.34765625e-01, -2.06054688e-01, -1.98242188e-01, -1.64062500e-01,
        -1.07910156e-01,  1.40625000e-01, -6.07910156e-02, -2.18505859e-02,
         5.15625000e-01, -2.35351562e-01,  2.63671875e-01,  6.64062500e-02,
        -3.49609375e-01, -2.11914062e-01,  4.44335938e-02,  1.91406250e-01,
        -2.63671875e-01,  1.27929688e-01, -2.08007812e-01, -2.69531250e-01,
        -5.62500000e-01, -4.85839844e-02,  1.96289062e-01, -1.02539062e-01,
        -1.60156250e-01, -1.42578125e-01,  2.57812500e-01, -3.92578125e-01,
        -1.48437500e-01,  3.37890625e-01,  9.81445312e-02,  1.46484375e-01,
        -4.90234375e-01, -1.89453125e-01, -2.90527344e-02,  2.22656250e-01,
         2.08984375e-01, -1.38671875e-01,  2.99072266e-02, -7.47070312e-02,
         1.84570312e-01, -1.39648438e-01,  3.00781250e-01, -4.82177734e-03,
        -3.37890625e-01, -3.37890625e-01,  7.66601562e-02,  1.10351562e-01,
        -1.89453125e-01, -3.53515625e-01,  4.06250000e-01, -1.59179688e-01,
        -8.93554688e-02,  1.59179688e-01, -6.54296875e-02,  6.59179688e-02,
         1.03027344e-01, -1.65039062e-01,  1.19628906e-01, -2.01171875e-01,
         3.43750000e-01,  1.74804688e-01,  7.37304688e-02,  2.41210938e-01,
        -1.95312500e-01,  6.83593750e-02, -1.14746094e-01,  2.63671875e-01,
         4.88281250e-02, -1.01562500e-01,  2.92968750e-01,  3.45703125e-01,
         1.52343750e-01,  8.78906250e-02,  1.61132812e-02, -4.06250000e-01,
        -9.76562500e-03, -6.22558594e-02, -4.12597656e-02, -1.67846680e-03,
         1.38671875e-01,  1.22558594e-01,  4.60937500e-01, -6.64062500e-02,
        -9.42230225e-04,  3.95507812e-02, -8.69140625e-02, -1.23535156e-01,
         2.07031250e-01, -2.40234375e-01, -3.45703125e-01,  1.43554688e-01,
         8.74023438e-02,  2.25585938e-01, -7.03125000e-02, -3.39843750e-01,
        -1.56250000e-01,  3.58581543e-03, -9.37500000e-02,  4.94140625e-01,
        -1.28906250e-01,  1.63085938e-01,  3.32031250e-01,  1.54296875e-01,
        -6.83593750e-02, -4.00390625e-02,  1.55273438e-01,  7.08007812e-02,
        -6.05468750e-02, -2.12890625e-01,  3.45703125e-01,  7.08007812e-02,
         2.92968750e-01,  9.22851562e-02,  1.03515625e-01, -5.61523438e-02,
        -3.12500000e-01, -3.82812500e-01, -1.42578125e-01,  1.80664062e-0
1],
       dtype=float32),
 'globe': array([-4.34570312e-02,  7.76367188e-02, -4.90722656e-02,  2.6562
5000e-01,
        -2.08984375e-01, -1.04492188e-01,  4.32128906e-02, -1.44531250e-01,
         1.31835938e-01, -8.34960938e-02, -1.09863281e-01, -1.77734375e-01,
         1.43554688e-01, -4.51660156e-02,  6.28662109e-03,  5.95703125e-02,
        -3.41796875e-01,  3.04687500e-01,  6.05468750e-02, -4.60815430e-03,
        -7.86132812e-02,  8.83789062e-02,  7.42187500e-02, -2.94921875e-01,
         1.54296875e-01, -3.80859375e-02, -3.59375000e-01, -1.47460938e-01,
         8.59375000e-02, -1.92382812e-01, -8.25195312e-02, -2.32421875e-01,
        -1.24023438e-01, -6.93359375e-02,  2.16796875e-01, -1.91406250e-01,
```

```
-1.07910156e-01, -2.92968750e-01,  8.49609375e-02,  5.68847656e-02,
 9.57031250e-02,  2.12890625e-01, -3.10546875e-01,  2.00195312e-01,
 1.25000000e-01,  2.87109375e-01, -3.71093750e-02,  7.81250000e-03,
 3.94531250e-01,  4.56542969e-02, -5.26905060e-05,  2.69531250e-01,
-1.15234375e-01,  1.13769531e-01, -9.82666016e-03,  2.77343750e-01,
 8.44726562e-02, -4.57031250e-01, -1.96289062e-01,  3.32031250e-02,
 2.01171875e-01, -1.24023438e-01,  1.93359375e-01, -1.90429688e-02,
-6.98242188e-02, -3.80859375e-02, -3.41796875e-02,  7.32421875e-02,
 2.05078125e-02, -8.69140625e-02, -1.49414062e-01, -5.92041016e-03,
 2.71484375e-01, -6.12792969e-02,  1.21582031e-01, -1.70898438e-01,
-1.13281250e-01,  9.76562500e-03, -4.63867188e-02, -1.19628906e-02,
 1.27929688e-01, -1.06201172e-02, -2.19726562e-01, -2.27539062e-01,
 3.56445312e-02, -3.97949219e-02, -1.31835938e-01, -2.55859375e-01,
 8.20312500e-02,  4.25781250e-01,  2.53906250e-01, -5.29785156e-02,
-2.75390625e-01, -2.01171875e-01, -2.87109375e-01, -1.76757812e-01,
 3.61328125e-02,  3.88183594e-02,  3.51562500e-01, -2.40478516e-02,
-8.83789062e-02,  2.15820312e-01, -1.09863281e-02,  2.15820312e-01,
-8.49609375e-02,  5.90820312e-02, -9.37500000e-02,  1.17187500e-02,
 2.87109375e-01, -2.50000000e-01,  1.56250000e-01, -6.78710938e-02,
 5.49316406e-03, -8.30078125e-02,  2.89062500e-01, -1.15722656e-01,
-2.17773438e-01, -2.79296875e-01,  7.12890625e-02, -6.73828125e-02,
-2.05078125e-01, -2.63671875e-01, -2.30468750e-01,  1.63574219e-02,
 1.22070312e-01, -2.40234375e-01,  1.39160156e-02,  3.34167480e-03,
-2.55859375e-01,  7.47070312e-02,  1.89453125e-01,  9.37500000e-02,
-1.22558594e-01,  6.10351562e-03, -2.24304199e-03, -1.14746094e-01,
 1.32812500e-01,  1.05590820e-02,  7.76367188e-02,  9.57031250e-02,
 1.40625000e-01,  1.08032227e-02,  3.68652344e-02,  2.30468750e-01,
 2.03125000e-01,  3.02734375e-01,  1.61132812e-01,  2.78320312e-02,
 1.65039062e-01, -1.66015625e-01,  1.30859375e-01, -4.83398438e-02,
 6.73828125e-02, -2.32421875e-01, -7.71484375e-02, -1.46484375e-01,
-1.81640625e-01,  5.85937500e-02,  1.56250000e-01, -2.33398438e-01,
-1.05957031e-01,  1.32446289e-02, -2.79541016e-02, -2.19726562e-01,
 7.91015625e-02, -9.42382812e-02, -3.69262695e-03, -4.90722656e-02,
 7.42187500e-02,  1.49414062e-01, -3.93066406e-02,  1.95312500e-01,
 1.88476562e-01,  4.91333008e-03, -1.65039062e-01, -3.26171875e-01,
-9.37500000e-02, -2.01171875e-01, -1.81640625e-01, -2.98828125e-01,
-2.55859375e-01, -3.16406250e-01,  5.37109375e-02, -2.98828125e-01,
 1.78710938e-01,  7.81250000e-03, -6.44531250e-02, -1.37939453e-02,
 2.59765625e-01,  2.73437500e-01,  2.96875000e-01, -2.02148438e-01,
 9.71679688e-02, -3.82812500e-01, -2.87109375e-01,  3.39355469e-02,
 6.93359375e-02, -1.74804688e-01, -2.44140625e-02, -4.41406250e-01,
 3.64303589e-04, -2.94189453e-02, -9.03320312e-02, -1.24023438e-01,
 1.75781250e-01,  2.25585938e-01, -2.42187500e-01,  1.14257812e-01,
-2.94921875e-01,  1.82617188e-01, -4.63867188e-02,  2.24609375e-02,
-1.07910156e-01,  1.07910156e-01,  2.53906250e-01, -4.22363281e-02,
-1.80664062e-01,  4.25781250e-01, -1.87988281e-02,  8.88671875e-02,
-5.49316406e-02, -1.93359375e-01, -1.21093750e-01, -6.88476562e-02,
-2.43164062e-01,  9.08203125e-02, -1.96289062e-01, -1.56250000e-01,
 3.73046875e-01, -3.76953125e-01,  1.48437500e-01, -5.32226562e-02,
 2.50000000e-01, -1.32812500e-01, -6.98242188e-02,  1.30859375e-01,
-5.88378906e-02,  8.83789062e-02, -1.34765625e-01,  5.49316406e-02,
-2.30712891e-02,  4.46777344e-02,  1.83105469e-03, -1.42211914e-02,
 1.07421875e-01,  1.16699219e-01,  2.29492188e-02, -3.00781250e-01,
-2.41210938e-01,  4.07714844e-02, -2.96630859e-02, -1.32812500e-01,
 1.26953125e-01,  1.00097656e-01, -2.58789062e-02, -5.19531250e-01,
 1.25885010e-03,  2.85644531e-02,  6.68945312e-02, -3.45703125e-01,
-3.01513672e-02, -1.47460938e-01, -8.30078125e-02, -1.53198242e-02,
 7.66601562e-02, -5.29785156e-02, -7.03125000e-02,  5.37109375e-02,
-2.86865234e-02, -1.93359375e-01, -2.85644531e-02,  1.80664062e-01,
 3.36914062e-02, -1.60156250e-01,  2.49023438e-01, -1.25000000e-01,
-4.02343750e-01,  3.45703125e-01,  2.30468750e-01, -1.40625000e-01,
-2.42187500e-01, -2.41210938e-01,  1.22558594e-01,  1.18164062e-01,
 1.15722656e-01,  2.65625000e-01, -1.18164062e-01, -3.36914062e-02,
 6.49414062e-02,  1.48437500e-01,  2.67028809e-03, -1.27563477e-02,
```

```
        -2.34375000e-01,  2.15820312e-01,  1.72851562e-01, -1.64062500e-01,
         1.67968750e-01,  1.56250000e-01,  1.51367188e-01, -7.91015625e-0
2],
       dtype=float32),
 'business': array([ 1.03759766e-02, -4.85839844e-02, -1.26953125e-01, -1.0
8886719e-01,
         3.02734375e-02,  2.23388672e-02, -7.32421875e-04,  9.91210938e-02,
         8.20312500e-02,  1.80664062e-02,  6.59179688e-02,  1.04492188e-01,
        -1.00097656e-01, -1.21093750e-01, -1.06933594e-01,  9.52148438e-02,
         7.56835938e-02,  1.96289062e-01,  1.37695312e-01, -4.95605469e-02,
        -9.22851562e-02, -6.64062500e-02, -7.47070312e-02, -1.04003906e-01,
         2.46582031e-02,  1.08398438e-01,  6.68945312e-02,  1.03515625e-01,
         1.01074219e-01, -5.00488281e-02,  4.24804688e-02, -2.25585938e-01,
        -3.56445312e-02,  5.95703125e-02,  1.44531250e-01,  1.53320312e-01,
         2.01171875e-01, -4.71191406e-02, -1.59912109e-02, -2.62451172e-02,
         1.27929688e-01,  1.78710938e-01, -8.44726562e-02,  1.39648438e-01,
        -1.87500000e-01, -1.85546875e-01,  1.02539062e-01,  6.25000000e-02,
        -6.98242188e-02,  2.87109375e-01, -2.29492188e-02,  3.39355469e-02,
        -3.34472656e-02,  3.19824219e-02,  1.14746094e-01,  1.08886719e-01,
         6.68945312e-02,  5.88378906e-02,  1.86523438e-01, -1.33789062e-01,
        -1.26953125e-01,  4.02832031e-02, -2.59765625e-01, -3.90625000e-02,
        -9.22851562e-02,  1.11816406e-01,  4.80957031e-02, -6.86645508e-03,
         1.08886719e-01, -2.12402344e-02, -1.05468750e-01, -7.81250000e-02,
         2.38281250e-01, -8.30078125e-02, -9.32617188e-02,  4.44335938e-02,
         8.59375000e-02,  1.02050781e-01, -7.72094727e-03, -9.37500000e-02,
        -1.19140625e-01, -4.12597656e-02,  8.72802734e-03,  1.45507812e-01,
        -1.24023438e-01, -5.71289062e-02, -5.88378906e-02,  3.61328125e-01,
         3.06396484e-02,  7.61718750e-02,  2.89062500e-01, -4.88281250e-02,
        -1.72851562e-01, -1.50390625e-01, -1.52343750e-01, -2.25585938e-01,
        -1.19628906e-01, -4.61425781e-02,  7.61718750e-02,  5.49316406e-03,
        -1.40991211e-02, -7.32421875e-02,  5.27954102e-03,  1.09375000e-01,
        -1.37329102e-02, -4.73632812e-02,  1.41601562e-02,  1.80664062e-01,
         2.61718750e-01, -1.26953125e-01, -4.19921875e-02, -1.35742188e-01,
        -2.43164062e-01, -9.91210938e-02,  2.40234375e-01,  5.98144531e-02,
         5.44433594e-02, -2.23388672e-02,  2.53906250e-01,  1.25976562e-01,
        -1.26953125e-01, -3.91006470e-05, -5.61523438e-02,  1.85546875e-01,
        -2.66113281e-02, -1.05957031e-01, -2.39257812e-01,  9.71679688e-02,
         5.76171875e-02,  6.98242188e-02, -1.25976562e-01, -3.44238281e-02,
         1.13769531e-01, -1.82342529e-03, -1.93786621e-03,  1.25976562e-01,
        -6.53076172e-03,  1.85546875e-01,  1.71875000e-01, -3.68652344e-02,
        -2.84423828e-02, -2.43164062e-01,  1.80053711e-03,  3.10058594e-02,
         9.17968750e-02, -2.22167969e-02,  1.35742188e-01, -7.59887695e-03,
         2.97851562e-02,  7.27539062e-02,  1.04492188e-01,  4.83398438e-02,
        -5.12695312e-02,  2.55859375e-01, -2.39257812e-01,  4.85839844e-02,
         2.68554688e-03, -2.63671875e-02,  7.03125000e-02,  6.77490234e-03,
        -1.69921875e-01,  5.41992188e-02, -1.31835938e-01, -8.69750977e-04,
         1.85546875e-01,  2.84423828e-02, -7.29370117e-03, -2.08007812e-01,
         1.19628906e-01, -5.12695312e-02, -1.19140625e-01, -1.33789062e-01,
         1.92382812e-01, -1.24511719e-01, -4.63867188e-02,  5.39550781e-02,
         1.71875000e-01,  4.10156250e-02, -8.93554688e-02, -7.32421875e-03,
        -8.78906250e-02, -5.66406250e-02, -8.39843750e-02, -1.60156250e-01,
        -3.46679688e-02, -2.27539062e-01,  9.66796875e-02,  1.19628906e-01,
         9.32617188e-02,  1.38671875e-01, -1.86523438e-01, -1.54418945e-02,
        -5.81054688e-02,  9.76562500e-02, -5.59082031e-02, -1.04980469e-01,
        -6.88476562e-02, -6.34765625e-02,  2.59765625e-01, -1.37695312e-01,
        -1.55273438e-01, -7.47070312e-02,  7.76367188e-02, -5.07812500e-02,
        -1.54296875e-01, -3.00292969e-02,  5.83496094e-02,  2.89306641e-02,
         2.42919922e-02, -6.98242188e-02,  3.56445312e-02,  4.15039062e-02,
        -2.47802734e-02,  1.81640625e-01,  6.15234375e-02,  2.24609375e-01,
         8.78906250e-02,  1.51367188e-01, -1.70898438e-01,  1.01074219e-01,
        -2.52685547e-02,  3.24707031e-02, -3.36914062e-02, -1.53198242e-02,
        -2.64892578e-02, -1.93359375e-01, -9.42382812e-02,  6.25000000e-02,
        -2.52685547e-02, -1.54296875e-01,  3.05175781e-03, -2.97851562e-02,
        -9.32617188e-02, -1.80664062e-01,  3.75366211e-03,  1.68457031e-02,
```

```
         1.55273438e-01,  1.83105469e-02, -2.95410156e-02,  1.19140625e-01,
         7.91015625e-02, -6.88476562e-02, -8.39843750e-02,  1.63085938e-01,
         2.48046875e-01, -1.48437500e-01, -3.66210938e-03, -1.15234375e-01,
         1.27929688e-01, -1.90429688e-01, -1.18652344e-01,  6.25000000e-02,
         4.54101562e-02,  7.66601562e-02, -4.71191406e-02,  2.49023438e-02,
        -2.49023438e-02,  1.12304688e-01, -6.29882812e-02,  5.32226562e-02,
         7.75146484e-03, -1.93359375e-01,  1.04492188e-01,  1.40625000e-01,
        -2.41210938e-01,  2.19726562e-01, -1.63085938e-01, -1.55029297e-02,
        -3.14453125e-01, -9.81445312e-02, -1.12304688e-02,  1.40991211e-02,
         3.00292969e-02, -1.54296875e-01, -6.34765625e-02, -1.57226562e-01,
        -1.11083984e-02,  1.50390625e-01, -6.05468750e-02, -1.86523438e-01,
         6.98242188e-02, -5.63964844e-02,  2.49023438e-01,  1.29882812e-01,
        -6.34765625e-02,  4.54101562e-02, -2.08984375e-01,  7.61718750e-02,
        -2.61230469e-02,  8.39843750e-02, -7.42187500e-02,  1.35742188e-01,
        -1.12304688e-01,  7.71484375e-02,  9.57031250e-02,  9.32617188e-02,
         2.08984375e-01,  1.83593750e-01,  2.05993652e-04, -2.20947266e-0
2],
       dtype=float32),
 'journal': array([-0.02648926, -0.07373047, -0.06933594,  0.12597656,  0.2
1777344,
         0.19042969,  0.0135498 , -0.1640625 ,  0.22558594, -0.171875  ,
         0.3125    , -0.41992188,  0.24511719,  0.11669922, -0.18554688,
        -0.14257812,  0.19824219,  0.00860596,  0.25585938, -0.390625  ,
         0.421875  , -0.1796875 , -0.18945312, -0.08398438, -0.3203125 ,
        -0.02746582, -0.140625  ,  0.46484375, -0.24804688, -0.18945312,
         0.20214844, -0.51171875,  0.17382812,  0.01831055,  0.02355957,
         0.05395508, -0.03466797,  0.12988281,  0.06347656,  0.0480957 ,
         0.05200195,  0.23730469, -0.20996094,  0.36914062, -0.18359375,
        -0.18359375,  0.15332031, -0.05078125, -0.203125  , -0.04077148,
        -0.27148438, -0.16113281,  0.03515625, -0.14648438,  0.06591797,
         0.08642578,  0.01086426, -0.26171875,  0.12060547, -0.33789062,
         0.328125  ,  0.01745605,  0.04638672, -0.11621094, -0.10058594,
         0.25390625, -0.14746094,  0.10839844,  0.08544922,  0.13085938,
        -0.37695312, -0.00119019,  0.15332031, -0.28710938, -0.33398438,
         0.00122833,  0.15917969, -0.02038574,  0.0123291 ,  0.39648438,
         0.04589844, -0.1484375 ,  0.11035156, -0.03442383, -0.01287842,
        -0.01696777,  0.10449219,  0.06347656, -0.13867188,  0.14648438,
         0.14257812, -0.30664062,  0.13964844, -0.49414062, -0.06689453,
         0.43359375,  0.375     , -0.06738281,  0.11816406, -0.18652344,
        -0.19726562, -0.28515625, -0.19433594, -0.29296875,  0.38476562,
         0.10400391, -0.27734375, -0.19238281, -0.08984375,  0.12402344,
        -0.15917969,  0.09277344, -0.04394531,  0.125     ,  0.25      ,
        -0.27734375, -0.06738281,  0.22167969,  0.37304688,  0.17382812,
         0.09326172, -0.32617188, -0.17382812,  0.19726562,  0.08544922,
        -0.07714844, -0.01843262,  0.04101562, -0.1328125 , -0.11865234,
        -0.18847656, -0.0456543 , -0.11083984,  0.125     , -0.01086426,
        -0.03613281, -0.11767578,  0.32421875, -0.17675781, -0.06176758,
         0.19335938,  0.08935547,  0.07958984, -0.16503906, -0.26367188,
         0.05444336,  0.26757812,  0.203125  , -0.01025391,  0.00057602,
         0.16015625, -0.10791016,  0.01080322,  0.18164062,  0.5703125 ,
        -0.20898438, -0.16796875,  0.23046875, -0.22949219,  0.25585938,
         0.34960938,  0.34375   , -0.05908203, -0.00124359,  0.27929688,
        -0.06884766,  0.296875  , -0.03759766, -0.01586914,  0.0168457 ,
         0.28125   , -0.18554688, -0.5546875 , -0.05322266, -0.13964844,
        -0.15625   , -0.08251953, -0.23046875, -0.00622559,  0.07714844,
        -0.07177734, -0.15234375,  0.09423828,  0.10693359, -0.24707031,
        -0.04980469, -0.19726562, -0.06982422, -0.11767578,  0.31054688,
         0.44335938, -0.2421875 ,  0.06835938, -0.16992188,  0.14648438,
        -0.04858398,  0.0234375 , -0.01074219, -0.12792969, -0.02062988,
        -0.26953125,  0.24804688, -0.14160156, -0.14257812, -0.14648438,
        -0.07275391,  0.16308594,  0.05615234, -0.02319336, -0.08691406,
        -0.2890625 ,  0.19921875, -0.03417969,  0.07519531,  0.02624512,
        -0.00405884, -0.01269531,  0.13867188,  0.0859375 , -0.06689453,
         0.25390625,  0.23925781, -0.02539062,  0.05517578, -0.13085938,
```

```
        -0.17089844,  0.04077148, -0.10400391, -0.17285156,  0.08203125,
         0.01599121, -0.00396729, -0.0324707 , -0.3671875 ,  0.171875  ,
        -0.12109375, -0.02355957,  0.12792969, -0.00442505, -0.29882812,
         0.34960938, -0.29882812, -0.24414062, -0.07226562,  0.0534668 ,
        -0.02062988, -0.21484375,  0.00382996,  0.0234375 ,  0.24707031,
         0.09033203, -0.1796875 , -0.1796875 , -0.07714844,  0.0189209 ,
        -0.16601562, -0.02099609, -0.17578125,  0.03442383,  0.06201172,
         0.16015625, -0.03588867, -0.15332031, -0.09472656, -0.19238281,
         0.04589844, -0.4453125 , -0.2109375 ,  0.10693359,  0.05786133,
         0.04125977, -0.25585938, -0.0546875 ,  0.17871094,  0.00842285,
        -0.08398438,  0.12109375,  0.01733398, -0.07373047, -0.16796875,
         0.42773438,  0.00878906, -0.08007812,  0.1875    ,  0.3125    ,
         0.00552368, -0.0625    ,  0.47265625,  0.10253906,  0.42773438,
        -0.00130463, -0.27734375, -0.20019531,  0.3203125 , -0.03857422,
        -0.05859375, -0.15136719,  0.078125  ,  0.18945312,  0.24121094],
       dtype=float32),
 'leading': array([-1.09863281e-01,  8.83789062e-02,  6.88476562e-02, -1.68
945312e-01,
         1.03027344e-01, -1.67236328e-02, -1.89453125e-01, -1.52343750e-01,
         1.78710938e-01,  1.34765625e-01,  9.03320312e-02, -1.88476562e-01,
        -5.22460938e-02,  4.15039062e-02,  1.11816406e-01, -1.32812500e-01,
        -2.52685547e-02, -1.71875000e-01, -6.54296875e-02, -4.24804688e-02,
         6.20117188e-02,  1.89208984e-02, -1.78710938e-01,  9.52148438e-02,
         3.14941406e-02,  2.28515625e-01, -5.17578125e-02,  1.22558594e-01,
        -5.56640625e-02, -7.47070312e-02,  1.61132812e-01, -1.04370117e-02,
         1.20117188e-01, -1.06445312e-01, -2.64892578e-02,  4.80957031e-02,
        -1.93359375e-01, -5.63964844e-02,  2.11181641e-02, -3.32031250e-02,
         1.11816406e-01, -2.53906250e-01, -1.47460938e-01, -8.20312500e-02,
         6.10351562e-03, -1.09863281e-03, -1.63085938e-01, -1.32812500e-01,
         1.32812500e-01,  1.92382812e-01,  3.95507812e-02,  3.26171875e-01,
        -5.32226562e-02,  8.83789062e-02, -1.40625000e-01,  1.89453125e-01,
        -6.29882812e-02, -1.63085938e-01,  2.03125000e-01,  1.45263672e-02,
         1.45507812e-01,  2.03125000e-01, -2.13867188e-01, -1.52343750e-01,
        -8.83789062e-02,  1.36718750e-01, -6.06536865e-04,  7.22656250e-02,
         6.07910156e-02,  1.34277344e-03, -8.59375000e-02,  1.63085938e-01,
         1.95312500e-01,  9.71679688e-02, -1.23535156e-01, -1.69921875e-01,
         2.19726562e-01,  1.16699219e-01,  8.69140625e-02,  3.34472656e-02,
         9.71679688e-02, -1.11816406e-01,  7.91015625e-02, -3.03955078e-02,
         3.63159180e-03, -1.81640625e-01, -5.78613281e-02, -1.63085938e-01,
        -1.64062500e-01,  1.46484375e-01,  2.10937500e-01,  7.95898438e-02,
         7.95898438e-02, -1.44531250e-01,  1.43432617e-02, -2.15820312e-01,
         2.84423828e-02, -5.10253906e-02, -1.54296875e-01,  1.18652344e-01,
        -1.03759766e-02,  1.36718750e-02, -4.19921875e-02, -1.10351562e-01,
        -6.22558594e-02,  1.07421875e-01, -1.17797852e-02,  1.04492188e-01,
         3.36914062e-02,  1.28784180e-02,  8.05664062e-02, -2.84423828e-02,
        -1.18652344e-01, -9.22851562e-02,  3.22265625e-02,  8.54492188e-03,
        -1.83593750e-01, -1.07421875e-01,  2.96875000e-01, -6.29882812e-02,
        -9.03320312e-02,  4.54101562e-02, -1.08886719e-01,  1.08032227e-02,
        -2.51464844e-02, -8.36181641e-03, -3.19824219e-02, -9.13085938e-02,
        -5.44433594e-02,  3.22265625e-01,  1.07910156e-01,  6.03027344e-02,
        -1.03515625e-01,  5.06591797e-03, -1.33056641e-02, -1.58203125e-01,
         1.52343750e-01,  5.05371094e-02,  1.34887695e-02,  8.48388672e-03,
        -2.36328125e-01, -3.07617188e-02,  1.77734375e-01,  5.39550781e-02,
         7.95898438e-02, -5.95703125e-02,  7.51953125e-02,  7.66601562e-02,
        -5.34667969e-02,  7.91015625e-02, -5.56945801e-04, -8.25195312e-02,
        -1.09863281e-01, -8.60595703e-03, -8.49609375e-02,  3.28063965e-03,
         3.41796875e-02, -9.37500000e-02, -1.08886719e-01, -7.71484375e-02,
        -1.80664062e-01, -5.39550781e-02, -1.96533203e-02, -1.33789062e-01,
         9.47265625e-02,  3.29589844e-02, -2.18200684e-03, -5.22460938e-02,
        -2.02148438e-01, -1.05468750e-01, -1.01928711e-02, -3.54003906e-02,
         2.00195312e-01, -2.11914062e-01,  8.59375000e-02, -1.31835938e-01,
        -6.34765625e-02, -6.98242188e-02, -9.81445312e-02, -5.96046448e-05,
        -1.04980469e-01, -2.50000000e-01,  4.29687500e-02,  6.59179688e-02,
        -9.81445312e-02,  2.02148438e-01, -1.40625000e-01, -7.56835938e-02,
```

```
         2.08984375e-01,  2.01416016e-02,  1.56250000e-01,  1.09863281e-01,
         2.02148438e-01, -1.47460938e-01, -1.41601562e-01,  4.78515625e-02,
        -1.97265625e-01,  6.68334961e-03,  3.34472656e-02, -2.96875000e-01,
        -8.74023438e-02,  1.84570312e-01,  9.32617188e-02, -3.49121094e-02,
        -1.33666992e-02, -2.45361328e-02,  2.17773438e-01, -2.02148438e-01,
         1.06933594e-01, -1.62109375e-01, -5.05371094e-02,  2.24609375e-02,
         2.23632812e-01,  2.83203125e-02, -1.15356445e-02, -5.68847656e-02,
         4.34570312e-02, -9.37500000e-02,  2.00195312e-02, -3.68652344e-02,
         2.96875000e-01, -6.03027344e-02, -2.27050781e-02, -6.37817383e-03,
         1.66992188e-01,  2.34375000e-01,  1.35742188e-01, -4.00390625e-01,
         1.20117188e-01,  6.54296875e-02, -1.15722656e-01,  6.98242188e-02,
         8.83789062e-02,  7.12890625e-02, -1.28906250e-01, -9.09423828e-03,
        -5.17578125e-02,  1.84326172e-02, -1.34887695e-02,  2.61230469e-02,
        -1.11328125e-01, -1.38671875e-01, -1.31835938e-01, -4.98046875e-02,
         6.78710938e-02,  5.32226562e-02,  2.61718750e-01,  9.47265625e-02,
        -1.92871094e-02, -3.24218750e-01,  1.66992188e-01, -7.61718750e-02,
        -4.76074219e-02, -1.26342773e-02, -5.51757812e-02, -1.97753906e-02,
        -9.64355469e-03, -2.13623047e-02, -2.39257812e-02, -8.78906250e-02,
        -4.02832031e-02,  4.07714844e-02, -4.02832031e-02,  6.64062500e-02,
         1.60156250e-01,  1.55273438e-01,  2.28271484e-02,  1.10351562e-01,
        -2.56347656e-02,  3.24218750e-01, -1.74804688e-01, -7.51953125e-02,
        -1.89453125e-01, -2.15820312e-01,  9.91210938e-02,  1.28173828e-02,
        -3.30078125e-01, -1.07421875e-02,  3.17382812e-02,  1.14257812e-01,
        -1.50390625e-01, -5.56640625e-02, -7.03125000e-02,  8.98437500e-02,
        -1.08398438e-01,  1.31835938e-01, -4.07714844e-02,  5.51757812e-02,
         3.73535156e-02, -8.88671875e-02, -8.05664062e-03, -4.45556641e-03,
        -6.46972656e-03,  1.08886719e-01, -3.29589844e-02, -9.66796875e-02,
         1.29882812e-01,  6.98242188e-02,  1.03027344e-01,  9.27734375e-0
2],
       dtype=float32),
 'provider': array([-7.71484375e-02, -2.75390625e-01, -2.39257812e-02,  5.7
8613281e-02,
        -9.94873047e-03,  8.83789062e-02,  2.10937500e-01,  1.37695312e-01,
         2.11914062e-01,  1.12792969e-01, -1.75781250e-01, -2.08007812e-01,
        -4.54101562e-02, -2.43164062e-01,  2.10937500e-01,  2.96630859e-02,
         1.76757812e-01, -2.20703125e-01,  7.71484375e-02, -2.08984375e-01,
        -1.27563477e-02,  1.72851562e-01,  9.57031250e-02,  4.63867188e-02,
        -3.78417969e-02,  1.01928711e-02,  9.03320312e-02,  1.32812500e-01,
         9.08203125e-02, -2.33398438e-01,  1.28906250e-01,  3.02734375e-02,
        -3.73535156e-02, -2.18750000e-01, -1.31835938e-01,  1.24023438e-01,
         2.01416016e-02, -7.08007812e-02,  9.71679688e-02,  6.29882812e-02,
        -1.90429688e-01,  2.83813477e-03,  1.71875000e-01,  6.16455078e-03,
        -1.73828125e-01, -3.55468750e-01,  6.44531250e-02, -1.32812500e-01,
        -1.79687500e-01,  2.69531250e-01, -3.44238281e-02,  1.53320312e-01,
        -3.27148438e-02, -1.86523438e-01, -4.71191406e-02,  7.95898438e-02,
        -4.10156250e-01, -2.11181641e-02,  9.32617188e-02, -8.00781250e-02,
         1.34765625e-01,  4.11987305e-03, -2.42187500e-01, -1.18164062e-01,
        -2.22656250e-01,  1.66015625e-01, -2.96875000e-01,  1.58203125e-01,
         1.16210938e-01, -3.32031250e-02, -1.60156250e-01, -6.54296875e-02,
        -1.47705078e-02,  3.08593750e-01,  1.00585938e-01, -1.71875000e-01,
         2.92968750e-01, -1.50390625e-01, -6.29425049e-04,  7.51953125e-02,
         2.29492188e-01, -1.77734375e-01, -2.86865234e-02,  1.79687500e-01,
         1.75781250e-01, -1.50390625e-01, -3.45703125e-01, -3.19824219e-02,
         1.13281250e-01,  9.37500000e-02,  2.79296875e-01,  1.17797852e-02,
         4.63867188e-02, -1.04980469e-01, -1.03027344e-01, -6.59942627e-04,
         2.45361328e-02, -1.62109375e-01,  1.17187500e-01, -4.37011719e-02,
         2.96875000e-01, -1.21093750e-01, -1.82617188e-01, -9.96093750e-02,
        -1.32812500e-01, -2.53906250e-01, -1.46484375e-01,  2.15820312e-01,
        -5.61523438e-02,  2.16064453e-02,  3.27148438e-02,  8.69140625e-02,
        -2.45117188e-01, -1.18164062e-01, -1.80664062e-01,  1.45507812e-01,
        -2.69775391e-02,  5.24902344e-03,  4.29687500e-01,  1.23046875e-01,
         9.71679688e-02, -2.53906250e-01, -3.67187500e-01,  1.19140625e-01,
        -4.15039062e-03,  6.68945312e-02, -2.08007812e-01,  2.09960938e-01,
         1.92382812e-01,  1.14257812e-01, -1.05957031e-01,  2.20703125e-01,
```

```
        -7.81250000e-02,  3.97949219e-02, -2.79296875e-01, -1.02539062e-01,
         3.20312500e-01,  2.20703125e-01, -3.57421875e-01,  7.71484375e-02,
         8.98437500e-02, -1.28906250e-01,  2.98828125e-01,  2.94921875e-01,
        -1.34277344e-02, -7.86132812e-02, -7.27539062e-02,  9.66796875e-02,
        -1.71875000e-01,  7.32421875e-02,  2.06054688e-01,  4.80957031e-02,
        -1.09863281e-01, -1.18164062e-01, -2.94921875e-01, -3.04687500e-01,
         9.52148438e-02,  9.03320312e-02, -1.90429688e-01,  1.03027344e-01,
        -4.58984375e-02,  7.17163086e-03,  7.12890625e-02, -3.63769531e-02,
        -1.12304688e-01, -3.12805176e-03, -2.18750000e-01, -2.51953125e-01,
         2.95410156e-02, -2.65625000e-01,  1.17675781e-01,  7.47070312e-02,
         8.74023438e-02, -2.08984375e-01,  5.41992188e-02, -1.80816650e-03,
         7.95898438e-02, -4.42504883e-03, -4.80468750e-01, -2.40234375e-01,
        -3.41796875e-01, -2.11914062e-01,  8.54492188e-02, -2.00195312e-02,
        -1.43554688e-01, -1.03515625e-01, -4.19921875e-01,  7.86132812e-02,
        -1.18164062e-01,  2.59765625e-01, -2.50000000e-01, -1.09863281e-01,
         1.03515625e-01, -1.45263672e-02, -7.22656250e-02, -1.45507812e-01,
        -2.71484375e-01, -3.09753418e-03,  3.04687500e-01, -3.84765625e-01,
        -3.14453125e-01, -1.55273438e-01, -4.76074219e-02,  5.34667969e-02,
        -2.91015625e-01,  1.66015625e-02,  2.57812500e-01, -1.06445312e-01,
         2.35351562e-01, -5.39062500e-01,  8.54492188e-02, -1.04980469e-02,
        -5.32226562e-02,  1.25000000e-01, -7.95898438e-02,  2.73437500e-01,
        -1.28906250e-01, -1.20117188e-01, -2.71484375e-01,  1.10351562e-01,
         1.24023438e-01, -1.97265625e-01, -3.11279297e-02,  2.41210938e-01,
        -2.69531250e-01,  1.43554688e-01,  1.67968750e-01, -2.63671875e-01,
        -9.71679688e-02, -1.99218750e-01, -9.57489014e-04, -3.04687500e-01,
        -3.00781250e-01, -2.45117188e-01, -9.86328125e-02,  1.41601562e-01,
        -2.00195312e-01, -1.51367188e-02, -2.77343750e-01, -3.83377075e-04,
        -1.39770508e-02, -2.87109375e-01, -5.00488281e-02,  9.91210938e-02,
         3.16406250e-01, -1.43554688e-01,  6.68945312e-02,  3.06640625e-01,
        -1.14257812e-01, -5.23437500e-01,  1.06445312e-01, -3.18359375e-01,
        -1.07421875e-01, -1.23291016e-02, -1.35742188e-01,  1.27929688e-01,
        -2.25585938e-01, -2.99072266e-02, -7.32421875e-02,  1.81640625e-01,
        -8.83789062e-02, -8.30078125e-02,  1.56250000e-01, -6.49414062e-02,
         1.42211914e-02,  1.40625000e-01, -4.36401367e-03,  3.90625000e-02,
         8.05664062e-02,  2.26562500e-01, -2.91015625e-01, -1.30859375e-01,
        -2.68554688e-03, -8.15429688e-02, -3.25012207e-03,  2.19726562e-02,
        -1.44531250e-01,  8.20312500e-02, -7.17773438e-02, -2.57812500e-01,
        -3.10546875e-01,  5.76782227e-03, -3.95507812e-02,  1.85546875e-01,
        -1.85546875e-01,  8.72802734e-03,  1.04980469e-01, -1.38549805e-02,
         4.80957031e-02,  4.95605469e-02,  2.31445312e-01,  6.68945312e-02,
        -2.73437500e-01,  3.84765625e-01,  1.95312500e-01,  3.29589844e-02,
         1.36718750e-01,  2.88085938e-02, -8.20312500e-02, -2.53906250e-0
2],
       dtype=float32),
 'innovative': array([-2.42187500e-01,  3.73535156e-02,  6.43920898e-03,
7.51953125e-02,
         5.76782227e-03,  8.05664062e-02, -3.03649902e-03, -8.30078125e-02,
         3.58886719e-02,  4.51660156e-03, -5.41992188e-02, -8.85009766e-03,
         6.93359375e-02, -1.73828125e-01, -1.14746094e-01, -1.58203125e-01,
        -5.56640625e-02,  1.70898438e-01,  4.58984375e-02,  3.69140625e-01,
         1.17675781e-01,  1.09375000e-01,  8.10546875e-02,  9.61914062e-02,
        -1.08398438e-01,  6.49414062e-02,  1.99218750e-01,  9.86328125e-02,
        -3.61328125e-02, -3.10546875e-01, -5.44433594e-02, -2.88085938e-02,
         1.16699219e-01,  2.50244141e-02,  3.90625000e-01, -9.37500000e-02,
         1.69677734e-02, -3.28125000e-01,  5.98144531e-03, -2.77343750e-01,
         2.69775391e-02,  8.15429688e-02, -2.59765625e-01,  6.49414062e-02,
        -5.44433594e-02, -2.14843750e-01, -2.61718750e-01, -1.38671875e-01,
         2.59765625e-01,  1.55639648e-02, -6.03027344e-02,  2.24609375e-01,
        -9.08203125e-02, -1.19140625e-01,  2.16796875e-01,  7.32421875e-02,
        -6.68945312e-02, -4.25781250e-01,  3.00781250e-01,  4.58984375e-02,
         6.44531250e-02, -1.59179688e-01, -3.06640625e-01, -1.29882812e-01,
        -1.02050781e-01, -2.05078125e-02, -1.03027344e-01,  1.68945312e-01,
         1.62109375e-01,  1.00585938e-01, -2.11914062e-01, -8.34960938e-02,
         1.33789062e-01,  9.42382812e-02,  4.02832031e-02, -5.02929688e-02,
```

```
         1.01562500e-01,  1.03027344e-01,  6.29882812e-02,  8.49609375e-02,
         2.86865234e-02, -6.88476562e-02, -2.52685547e-02, -2.25830078e-02,
         1.53320312e-01, -1.77734375e-01, -2.87109375e-01,  1.23535156e-01,
        -5.17578125e-02,  2.65625000e-01,  7.08007812e-02, -1.08398438e-01,
        -1.39648438e-01,  9.21630859e-03, -1.45507812e-01, -4.12597656e-02,
        -2.04101562e-01,  1.69921875e-01,  1.32812500e-01, -9.96093750e-02,
         2.77099609e-02,  5.93261719e-02, -1.50390625e-01,  6.00585938e-02,
        -1.40380859e-02, -1.92382812e-01,  1.92382812e-01,  8.59375000e-02,
         2.14843750e-01, -5.58471680e-03, -6.68945312e-02,  1.17187500e-01,
        -2.06054688e-01,  1.68945312e-01,  1.82617188e-01, -7.76367188e-02,
         1.63269043e-03, -2.98828125e-01,  9.08203125e-02, -2.65625000e-01,
         1.12792969e-01, -3.90625000e-02, -6.34765625e-03,  6.73828125e-02,
         8.39843750e-02, -3.00292969e-02, -8.93554688e-02,  1.37695312e-01,
        -1.09863281e-01,  2.42187500e-01, -1.56250000e-02, -3.37600708e-04,
        -1.27929688e-01,  1.13677979e-03, -9.86328125e-02,  1.93359375e-01,
         2.69531250e-01, -1.94335938e-01, -8.05664062e-02,  1.94335938e-01,
         6.44531250e-02,  9.32617188e-02, -1.81640625e-01,  1.37695312e-01,
         3.49121094e-02, -3.73535156e-02, -7.86132812e-02, -1.41601562e-01,
         6.73828125e-02, -1.71875000e-01, -7.47070312e-02, -5.41992188e-02,
        -1.40380859e-02,  2.31933594e-02, -2.88085938e-02, -3.45703125e-01,
         1.29882812e-01,  1.69921875e-01, -5.39550781e-02, -1.99218750e-01,
        -2.73437500e-02, -7.91015625e-02, -3.18359375e-01,  5.51757812e-02,
         1.39648438e-01,  2.06298828e-02,  1.25732422e-02, -2.85156250e-01,
        -1.07910156e-01, -2.65625000e-01,  3.06396484e-02, -2.17285156e-02,
        -1.61132812e-01, -1.89208984e-02, -7.99560547e-03,  5.15136719e-02,
         1.59912109e-02, -9.91210938e-02, -3.90625000e-01, -6.73828125e-02,
        -2.75390625e-01, -1.93359375e-01,  1.45507812e-01, -2.59765625e-01,
        -1.82617188e-01,  2.90527344e-02, -1.24511719e-01,  1.46484375e-01,
         2.24609375e-02, -3.46679688e-02, -2.65625000e-01,  9.08203125e-02,
         3.39843750e-01, -3.96484375e-01, -1.57226562e-01, -1.09863281e-01,
        -5.02929688e-02, -2.99072266e-02,  6.59179688e-03, -2.63671875e-01,
        -1.11328125e-01,  1.40625000e-01, -2.28271484e-02,  9.91210938e-02,
        -2.18750000e-01, -9.52148438e-02,  9.22851562e-02, -1.22070312e-01,
        -1.31835938e-01, -1.92382812e-01, -9.42382812e-02,  2.75878906e-02,
         1.51367188e-02,  9.52148438e-02,  3.24707031e-02, -2.05078125e-02,
         1.78710938e-01,  2.23388672e-02, -1.51367188e-01,  1.84570312e-01,
        -1.19140625e-01,  7.75146484e-03, -7.47070312e-02,  2.33398438e-01,
        -8.10546875e-02,  2.02148438e-01,  8.25195312e-02, -2.57812500e-01,
        -2.12890625e-01, -1.56250000e-01, -2.63671875e-01,  1.93359375e-01,
        -7.23266602e-03, -1.51367188e-02, -1.34765625e-01, -5.66406250e-02,
        -1.00097656e-01, -2.06298828e-02,  2.33398438e-01,  8.74023438e-02,
         1.33789062e-01, -2.41210938e-01, -4.73632812e-02,  9.17968750e-02,
         1.17187500e-01,  5.15136719e-02, -1.10351562e-01,  3.24707031e-02,
         3.61633301e-03, -4.41406250e-01,  3.01513672e-02, -1.77734375e-01,
        -8.83789062e-02, -2.78320312e-02,  3.85742188e-02, -1.78710938e-01,
        -7.12890625e-02, -1.75781250e-01, -5.66406250e-02, -1.60156250e-01,
         1.48437500e-01,  8.25195312e-02, -3.85742188e-02,  4.12597656e-02,
         3.63769531e-02,  1.72851562e-01, -3.73535156e-02, -1.59179688e-01,
        -3.92578125e-01,  9.17968750e-02, -9.76562500e-03,  4.54101562e-02,
         8.83789062e-02, -1.60156250e-01,  1.11816406e-01,  1.16699219e-01,
         2.56347656e-02,  4.00390625e-02,  7.08007812e-02, -3.29589844e-02,
        -1.69921875e-01,  2.09960938e-01, -4.44335938e-02,  2.82287598e-03,
        -2.44140625e-01,  3.18359375e-01, -6.39648438e-02, -7.17773438e-02,
         1.77734375e-01,  5.17578125e-02, -1.48437500e-01, -2.20947266e-02,
        -3.20312500e-01,  9.91821289e-04, -3.08837891e-02,  2.27539062e-01,
         1.86523438e-01,  1.17187500e-01, -3.51562500e-02,  2.41210938e-0
1],
       dtype=float32),
 'committed': array([-0.17675781,  0.36328125,  0.36328125, -0.08300781, -
0.16796875,
         0.12695312,  0.23730469,  0.00238037,  0.16894531, -0.05249023,
        -0.13085938,  0.02087402, -0.13964844, -0.00436401,  0.00738525,
        -0.04907227, -0.18261719,  0.06005859,  0.1484375 ,  0.16210938,
        -0.03173828,  0.0030365 , -0.05639648, -0.09423828,  0.16796875,
```

```
        -0.11816406,  0.0456543 , -0.02624512, -0.11035156, -0.09375   ,
         0.11669922, -0.20800781, -0.17382812, -0.14453125,  0.00778198,
         0.25195312,  0.08007812, -0.11181641, -0.03063965,  0.08349609,
         0.11279297,  0.08105469, -0.32421875, -0.21582031, -0.00259399,
        -0.15136719, -0.14648438, -0.07324219,  0.04345703,  0.21289062,
         0.41992188,  0.00445557, -0.08105469, -0.01940918,  0.06201172,
        -0.06103516, -0.02636719, -0.05712891, -0.27734375, -0.05224609,
        -0.00512695,  0.38867188, -0.09960938,  0.02978516, -0.07763672,
         0.1015625 ,  0.00897217,  0.07763672, -0.22363281,  0.27148438,
        -0.14648438, -0.02929688,  0.0177002 , -0.04248047,  0.04101562,
        -0.06884766,  0.1875    ,  0.01531982,  0.16699219,  0.02880859,
        -0.25390625,  0.02331543,  0.05004883, -0.07958984, -0.01806641,
        -0.46679688, -0.04125977, -0.06176758,  0.27148438,  0.08740234,
         0.04663086, -0.07763672,  0.29101562, -0.12597656, -0.03637695,
        -0.27539062, -0.13867188,  0.03857422, -0.10693359,  0.12597656,
        -0.11621094,  0.27539062, -0.0234375 ,  0.23046875,  0.04272461,
        -0.3984375 ,  0.16992188, -0.19042969,  0.07421875,  0.06640625,
         0.02880859,  0.04907227, -0.20800781,  0.28710938, -0.01599121,
         0.15039062,  0.07666016, -0.08105469,  0.109375  ,  0.16113281,
         0.1796875 ,  0.04321289, -0.00982666,  0.171875  , -0.19238281,
        -0.15429688, -0.12353516, -0.10253906, -0.08349609,  0.22363281,
        -0.01092529, -0.06689453, -0.11523438, -0.02856445, -0.09375   ,
        -0.12060547,  0.01049805,  0.23339844,  0.05786133,  0.203125  ,
        -0.06787109,  0.1640625 ,  0.13867188,  0.08398438, -0.28125   ,
        -0.05541992, -0.17089844, -0.07226562,  0.13574219, -0.00125885,
         0.125     ,  0.171875  ,  0.01879883,  0.06542969, -0.28320312,
         0.1328125 , -0.07226562, -0.03735352, -0.08398438,  0.04272461,
         0.13964844,  0.0859375 ,  0.23632812,  0.0013504 , -0.05273438,
         0.14160156, -0.02038574,  0.06933594, -0.06787109, -0.22949219,
         0.00976562, -0.13769531,  0.01977539, -0.26757812,  0.05737305,
        -0.18261719, -0.05834961, -0.10107422, -0.15136719, -0.13085938,
        -0.23144531,  0.08349609,  0.02490234, -0.10058594, -0.25976562,
        -0.05541992, -0.21191406,  0.25      , -0.18066406, -0.11621094,
        -0.11523438,  0.00656128,  0.05712891, -0.01818848, -0.31640625,
         0.28710938,  0.18359375,  0.22851562, -0.03051758, -0.27148438,
        -0.00074387,  0.40234375,  0.25976562, -0.18164062, -0.13378906,
        -0.15527344, -0.07275391, -0.15039062, -0.00463867, -0.16015625,
         0.29101562,  0.20605469,  0.14160156,  0.02294922,  0.12988281,
         0.25585938,  0.09082031, -0.11669922,  0.02819824,  0.1328125 ,
         0.06396484, -0.06640625, -0.1015625 ,  0.265625  ,  0.20410156,
         0.06347656,  0.4375    ,  0.00334167, -0.09082031,  0.00817871,
        -0.34375   , -0.12060547,  0.18359375,  0.05615234, -0.1484375 ,
        -0.08935547,  0.11328125,  0.28125   , -0.02502441,  0.01794434,
        -0.15527344,  0.140625  , -0.14941406,  0.01422119, -0.01611328,
         0.18847656,  0.17089844,  0.14257812,  0.0625    , -0.37109375,
        -0.07763672,  0.15332031,  0.10058594,  0.04980469,  0.03930664,
        -0.26367188,  0.12207031,  0.03173828, -0.06689453, -0.3046875 ,
         0.12792969,  0.16992188,  0.08300781,  0.015625  , -0.07177734,
         0.09423828, -0.15722656,  0.03442383, -0.20898438, -0.1484375 ,
         0.08984375,  0.07128906, -0.00175476,  0.04248047,  0.01623535,
        -0.12402344, -0.37890625, -0.06298828, -0.1875    ,  0.04614258,
        -0.10058594,  0.23730469, -0.23046875,  0.03149414,  0.21191406,
         0.06787109, -0.03613281, -0.13671875,  0.3203125 , -0.10107422,
        -0.09228516,  0.23046875, -0.20019531, -0.13183594, -0.265625  ,
        -0.00195312, -0.00491333,  0.13476562,  0.23046875,  0.04101562],
       dtype=float32),
 'fostering': array([-0.25195312,  0.21484375,  0.00111389, -0.07128906, -
0.03759766,
         0.0703125 ,  0.09179688,  0.01977539, -0.0559082 ,  0.04711914,
        -0.03637695, -0.23925781,  0.14453125,  0.04077148, -0.04199219,
        -0.10400391, -0.27539062,  0.25195312, -0.2734375 ,  0.00836182,
         0.25585938, -0.15625   , -0.10058594, -0.18261719, -0.10888672,
         0.02954102, -0.20019531,  0.15136719,  0.02685547,  0.02416992,
        -0.11132812, -0.53515625, -0.171875  ,  0.13378906,  0.19238281,
```

```
         0.04516602,  0.13183594,  0.00964355,  0.18164062,  0.20117188,
        -0.08837891,  0.05957031, -0.21484375,  0.15332031, -0.21484375,
        -0.24023438,  0.0625    ,  0.1796875 ,  0.02734375,  0.11962891,
         0.17285156,  0.24804688, -0.16015625,  0.1796875 ,  0.23535156,
         0.4453125 , -0.16503906, -0.23535156, -0.0625    , -0.05151367,
        -0.19335938,  0.25390625, -0.02612305,  0.10791016, -0.08935547,
         0.15917969, -0.05493164,  0.08642578,  0.04296875,  0.07910156,
        -0.36523438,  0.03442383, -0.10449219, -0.10107422,  0.09326172,
        -0.20117188,  0.16992188,  0.078125  ,  0.12109375,  0.29296875,
        -0.17578125, -0.07080078, -0.0703125 , -0.06591797, -0.03198242,
        -0.08496094,  0.07910156, -0.06396484, -0.04199219,  0.2109375 ,
         0.13769531, -0.03173828, -0.11230469, -0.296875  ,  0.24609375,
         0.07470703,  0.20117188,  0.11132812, -0.1171875 , -0.11767578,
        -0.26757812,  0.02954102,  0.18164062,  0.19335938, -0.02600098,
        -0.14355469, -0.21777344, -0.13085938, -0.01135254, -0.26171875,
        -0.3046875 ,  0.1015625 , -0.15039062, -0.00622559, -0.10253906,
         0.1328125 ,  0.00799561, -0.08984375,  0.12988281, -0.13378906,
         0.16699219,  0.00927734,  0.02636719,  0.26367188, -0.29492188,
        -0.12792969, -0.11865234,  0.18554688, -0.06640625,  0.12207031,
         0.14355469, -0.1640625 , -0.16015625,  0.02490234, -0.14453125,
         0.08007812, -0.11767578, -0.21191406,  0.21289062, -0.01049805,
        -0.12695312,  0.12109375, -0.13476562, -0.1328125 , -0.13867188,
        -0.1796875 , -0.23828125, -0.14257812,  0.03027344, -0.24511719,
         0.2265625 ,  0.00512695, -0.23144531, -0.04541016,  0.05883789,
        -0.01599121,  0.11230469, -0.09082031, -0.01757812, -0.19433594,
        -0.01031494,  0.00537109, -0.15234375,  0.10595703,  0.06787109,
         0.39648438,  0.01672363,  0.03686523, -0.12451172, -0.16503906,
        -0.20800781, -0.01025391,  0.03417969, -0.14550781,  0.1640625 ,
         0.14941406,  0.12890625, -0.10058594, -0.08300781,  0.19140625,
        -0.03417969, -0.19824219,  0.30273438, -0.16894531, -0.13183594,
         0.2578125 , -0.06982422, -0.04663086,  0.02062988,  0.0546875 ,
         0.00236511, -0.01965332,  0.2421875 , -0.05615234, -0.18359375,
        -0.10058594, -0.33984375, -0.10058594,  0.08984375, -0.02258301,
        -0.10839844, -0.00156403,  0.10986328, -0.33203125, -0.16699219,
        -0.31640625,  0.06494141, -0.0546875 , -0.22558594, -0.265625  ,
         0.07666016, -0.125     , -0.01843262,  0.27929688,  0.03369141,
        -0.10498047, -0.07128906, -0.046875  , -0.07617188,  0.03979492,
         0.16601562, -0.10986328,  0.32421875,  0.3046875 , -0.34375   ,
        -0.09423828,  0.1171875 , -0.13671875,  0.10205078, -0.02832031,
        -0.32226562,  0.02209473,  0.07470703,  0.08154297, -0.01660156,
        -0.13867188,  0.13476562, -0.17675781,  0.13378906, -0.19921875,
         0.04736328,  0.14453125, -0.13183594,  0.06884766,  0.09667969,
         0.06884766, -0.10791016,  0.14550781, -0.00176239, -0.07128906,
        -0.0703125 ,  0.30664062, -0.09472656,  0.30664062,  0.01287842,
        -0.01452637,  0.20605469,  0.22070312, -0.37695312,  0.14550781,
        -0.00479126,  0.10302734,  0.08544922,  0.16992188,  0.15625   ,
         0.06347656,  0.02075195, -0.24414062, -0.23046875, -0.00506592,
        -0.265625  ,  0.17285156, -0.23828125,  0.09179688, -0.01696777,
        -0.01269531, -0.22167969,  0.27929688, -0.03955078, -0.01184082,
         0.25      , -0.19726562, -0.11425781,  0.16113281,  0.12060547,
        -0.02075195,  0.08789062, -0.0135498 ,  0.31054688, -0.05029297,
        -0.45703125,  0.25390625, -0.27734375,  0.16796875, -0.20117188,
        -0.11621094,  0.15234375,  0.01586914,  0.16601562,  0.16015625],
       dtype=float32),
 'collaborative': array([-2.69531250e-01, -4.17480469e-02, -2.34375000e-01,
2.17773438e-01,
        -5.37109375e-02,  2.69531250e-01, -1.22070312e-02,  7.36236572e-04,
         3.08593750e-01, -3.73535156e-02,  9.08203125e-02,  7.47070312e-02,
         1.62109375e-01,  1.55273438e-01, -1.69921875e-01, -1.38671875e-01,
         8.10546875e-02,  6.39648438e-02,  6.15234375e-02,  1.63085938e-01,
        -1.37695312e-01,  1.13281250e-01, -3.36914062e-02, -1.53808594e-02,
        -3.00781250e-01,  2.51770020e-03,  2.43164062e-01, -1.79443359e-02,
        -2.64892578e-02, -3.10546875e-01, -1.13769531e-01, -2.35595703e-02,
         1.59912109e-02,  1.63574219e-02,  1.16210938e-01, -9.03320312e-02,
```

```
-1.73828125e-01, -1.66015625e-01,  1.28906250e-01, -8.69140625e-02,
-1.33666992e-02,  1.72851562e-01, -3.22265625e-01,  2.35351562e-01,
-1.61132812e-01, -2.20703125e-01, -2.19726562e-01, -1.35742188e-01,
-7.27539062e-02,  6.39648438e-02,  9.66796875e-02,  1.40625000e-01,
-1.43554688e-01, -9.27734375e-02,  1.25976562e-01,  1.43554688e-01,
 4.76074219e-02, -3.32031250e-01,  3.90625000e-02,  7.37304688e-02,
-6.54296875e-02, -4.68750000e-02, -5.78613281e-02,  6.49414062e-02,
-1.93359375e-01,  1.85546875e-01,  4.29687500e-02,  1.29882812e-01,
 9.81445312e-02, -2.20703125e-01, -2.87109375e-01, -3.00781250e-01,
 3.14941406e-02, -6.78710938e-02,  1.71875000e-01,  1.78710938e-01,
-3.85742188e-02, -1.21093750e-01,  3.56445312e-02,  1.45507812e-01,
-1.83593750e-01, -1.64062500e-01,  1.39648438e-01, -1.53320312e-01,
 1.26953125e-01, -1.94335938e-01, -1.43554688e-01,  6.20117188e-02,
-7.56835938e-02,  2.75390625e-01,  1.21093750e-01, -1.55273438e-01,
-8.00781250e-02, -2.17773438e-01,  3.17382812e-02,  1.08886719e-01,
-5.00488281e-02, -9.81445312e-02, -1.67968750e-01, -2.08984375e-01,
-1.75781250e-01, -2.46093750e-01, -2.08984375e-01, -4.85839844e-02,
 2.46582031e-02,  6.03027344e-02, -6.88476562e-02, -6.83593750e-02,
 2.29492188e-01, -7.26318359e-03, -1.91406250e-01,  1.43554688e-01,
-7.86132812e-02,  2.28271484e-02,  3.12500000e-01,  1.13769531e-01,
 1.25000000e-01, -3.59375000e-01,  2.81250000e-01, -1.05957031e-01,
 6.62231445e-03, -1.57226562e-01, -1.84570312e-01,  3.78906250e-01,
-7.51953125e-02, -5.51757812e-02, -2.08007812e-01,  1.82617188e-01,
-8.88671875e-02,  1.89453125e-01, -1.38671875e-01,  1.08886719e-01,
 1.70898438e-01,  3.04687500e-01, -9.96093750e-02,  1.30859375e-01,
 3.46679688e-02, -2.16796875e-01,  7.42187500e-02,  7.14111328e-03,
-8.00781250e-02,  1.78710938e-01, -2.55859375e-01, -8.25195312e-02,
-2.91015625e-01,  1.22680664e-02, -1.74804688e-01,  1.13281250e-01,
 3.20312500e-01, -1.80664062e-01,  3.98437500e-01, -1.73828125e-01,
-4.90722656e-02,  4.29687500e-01,  3.26171875e-01, -1.48437500e-01,
 4.60937500e-01, -6.68945312e-02, -1.40625000e-01,  4.00390625e-02,
-1.18164062e-01, -6.46972656e-03, -1.57226562e-01,  1.82617188e-01,
 1.83593750e-01,  1.65039062e-01,  2.16796875e-01, -2.05078125e-01,
-1.49414062e-01,  8.15429688e-02,  2.01171875e-01, -1.16699219e-01,
 1.71875000e-01, -2.63671875e-01,  2.53906250e-01, -2.36816406e-02,
 3.75976562e-02, -3.56674194e-04, -2.75390625e-01,  6.73828125e-02,
-1.27929688e-01, -3.97949219e-02,  1.52343750e-01, -2.31445312e-01,
-1.91406250e-01,  1.37695312e-01,  2.07519531e-02,  1.31835938e-02,
-1.08398438e-01, -5.90820312e-02,  9.82666016e-03, -2.08007812e-01,
 1.28906250e-01, -1.21093750e-01, -1.96289062e-01, -2.50000000e-01,
 1.85394287e-03, -1.84570312e-01, -5.76171875e-02, -1.70898438e-01,
 5.00488281e-02,  3.32031250e-02,  2.33398438e-01,  1.70898438e-01,
-2.55859375e-01, -2.17773438e-01, -1.00097656e-01, -1.54296875e-01,
 1.38671875e-01, -8.30078125e-03,  5.00488281e-02, -1.05468750e-01,
 7.61718750e-02,  1.26953125e-01, -2.83203125e-02, -3.94531250e-01,
 2.91015625e-01,  2.04101562e-01, -1.27929688e-01,  1.72851562e-01,
-2.63671875e-01, -1.09863281e-01,  1.56250000e-01,  2.02148438e-01,
-5.41992188e-02, -8.39843750e-02,  9.37500000e-02,  1.48925781e-02,
 1.54296875e-01, -6.39648438e-02, -2.26562500e-01,  5.12695312e-02,
 9.52148438e-02, -1.40625000e-01,  3.41796875e-02, -2.73437500e-01,
-1.51367188e-01, -2.49023438e-02,  2.12890625e-01,  1.11816406e-01,
 9.47265625e-02, -2.19726562e-01,  1.65039062e-01,  5.88378906e-02,
-6.34765625e-02, -7.17773438e-02, -4.80957031e-02,  2.21679688e-01,
 6.78710938e-02, -3.26171875e-01, -9.27734375e-02,  1.69921875e-01,
 2.27050781e-02,  1.99218750e-01,  2.81982422e-02, -1.47460938e-01,
-8.69140625e-02,  2.64892578e-02, -1.76757812e-01,  4.44335938e-02,
-2.69775391e-02,  4.46777344e-02, -1.24511719e-02, -2.35595703e-02,
 1.76757812e-01,  2.12402344e-02, -1.83105469e-02, -1.23046875e-01,
-4.98046875e-01,  1.62109375e-01,  5.10253906e-02,  2.63671875e-02,
 1.18164062e-01,  4.12597656e-02,  2.85156250e-01,  1.22070312e-01,
-2.96875000e-01,  9.42382812e-02, -7.76367188e-02, -3.71093750e-02,
-1.13769531e-01,  5.34667969e-02, -1.93359375e-01,  8.78906250e-02,
 1.34765625e-01, -2.00195312e-01, -1.91650391e-02, -1.46484375e-01,
 3.49609375e-01, -1.84570312e-01, -3.55468750e-01,  5.68847656e-02,
```

```
        -1.90429688e-01,  3.06640625e-01, -8.69140625e-02,  2.28271484e-02,
         2.36328125e-01, -6.00585938e-02, -5.05371094e-02,  3.34472656e-0
2],
       dtype=float32),
 'value': array([ 0.07958984,  0.01879883,  0.109375  ,  0.01867676, -0.114
25781,
         0.12011719,  0.17285156, -0.02062988,  0.30664062,  0.26757812,
        -0.1875    , -0.33007812,  0.1640625 ,  0.41796875, -0.22070312,
         0.12695312, -0.09423828,  0.12255859,  0.17480469, -0.17285156,
        -0.15722656, -0.4140625 , -0.12255859,  0.16796875,  0.07470703,
         0.19433594, -0.00050354,  0.16894531,  0.07128906, -0.04589844,
        -0.00866699, -0.15820312, -0.06640625, -0.17480469,  0.18164062,
         0.11279297,  0.15625   , -0.01263428, -0.14648438, -0.07470703,
         0.14257812,  0.0009079 ,  0.06640625, -0.04541016, -0.12597656,
        -0.17871094,  0.12451172,  0.19335938,  0.12353516,  0.02636719,
        -0.06933594,  0.07910156, -0.07568359, -0.15429688,  0.02563477,
         0.03112793, -0.00671387, -0.00309753,  0.16015625,  0.04101562,
         0.07568359, -0.06640625, -0.00799561,  0.1328125 ,  0.06005859,
        -0.33984375, -0.09033203,  0.06298828,  0.10595703, -0.15039062,
         0.04174805, -0.12304688,  0.34765625, -0.17480469, -0.04003906,
        -0.12597656,  0.18164062,  0.1328125 ,  0.0300293 , -0.00180817,
         0.02746582, -0.16894531, -0.09130859,  0.22363281,  0.12353516,
        -0.24023438,  0.04077148,  0.2578125 , -0.03857422,  0.05151367,
         0.14941406,  0.14550781, -0.06494141, -0.14746094,  0.09326172,
        -0.22265625, -0.29492188, -0.02661133,  0.11376953, -0.24121094,
         0.06494141,  0.12011719, -0.18945312,  0.29101562,  0.08447266,
        -0.09130859, -0.03344727,  0.25976562,  0.0378418 , -0.21386719,
        -0.04907227,  0.1015625 ,  0.01171875,  0.26171875,  0.25195312,
         0.24511719, -0.1328125 , -0.10742188,  0.04785156, -0.0135498 ,
         0.14550781,  0.17675781, -0.03857422,  0.23828125,  0.05126953,
         0.08886719, -0.02819824, -0.00062943, -0.19042969,  0.13378906,
        -0.1484375 ,  0.24511719, -0.18945312, -0.25      , -0.27539062,
         0.04711914,  0.0703125 , -0.01916504, -0.04223633,  0.05566406,
         0.14160156, -0.21972656,  0.08886719, -0.0324707 ,  0.00689697,
        -0.26953125,  0.18652344, -0.04467773, -0.09277344, -0.03198242,
        -0.07861328,  0.02612305, -0.13671875,  0.17285156, -0.07226562,
         0.02941895, -0.06835938, -0.23144531, -0.20605469, -0.20117188,
        -0.20117188,  0.14257812,  0.04516602,  0.19238281,  0.03417969,
         0.25390625, -0.15039062, -0.23925781, -0.09472656,  0.05371094,
         0.04272461, -0.03857422, -0.21679688, -0.11865234,  0.01745605,
        -0.02392578, -0.10351562,  0.05029297,  0.11230469, -0.03564453,
        -0.18261719,  0.04150391, -0.27734375, -0.08544922,  0.05810547,
        -0.3515625 ,  0.15625   ,  0.3046875 ,  0.0234375 , -0.0007782 ,
        -0.19042969, -0.18066406, -0.23144531, -0.11425781, -0.140625  ,
         0.0703125 , -0.05932617,  0.09277344,  0.13574219, -0.25585938,
        -0.16015625,  0.05004883, -0.10253906, -0.28710938, -0.32226562,
        -0.08789062, -0.13378906,  0.10986328, -0.06689453,  0.0534668 ,
         0.00891113,  0.14648438, -0.07128906,  0.05151367, -0.328125  ,
         0.16894531,  0.22949219,  0.15527344,  0.0859375 ,  0.13085938,
         0.1796875 ,  0.15429688, -0.08398438,  0.06079102, -0.06591797,
         0.12792969, -0.01135254, -0.10693359,  0.02978516, -0.0859375 ,
        -0.25390625, -0.02893066,  0.08496094, -0.00274658,  0.07177734,
        -0.04443359, -0.02087402, -0.00132751,  0.08251953,  0.06054688,
        -0.12109375, -0.0100708 ,  0.07128906, -0.05273438,  0.1171875 ,
         0.23242188,  0.07568359,  0.08349609,  0.08544922, -0.14355469,
         0.06689453,  0.08691406, -0.21191406,  0.09765625,  0.05957031,
        -0.12451172, -0.08740234, -0.07666016, -0.10791016, -0.06591797,
         0.04589844, -0.09716797, -0.06591797, -0.06201172,  0.02404785,
        -0.0480957 , -0.01416016, -0.04101562, -0.04199219, -0.05664062,
        -0.00952148,  0.03173828,  0.05688477, -0.00946045, -0.10400391,
         0.35351562,  0.02783203,  0.0168457 , -0.20800781, -0.03588867,
         0.05786133,  0.11572266,  0.29492188,  0.13183594, -0.09423828,
        -0.04931641,  0.00442505,  0.06494141, -0.01879883, -0.1640625 ,
        -0.05957031,  0.15722656, -0.16601562, -0.08007812,  0.14453125,
```

```
         0.3984375 ,  0.06445312, -0.06640625,  0.07324219, -0.18847656],
       dtype=float32),
 'growth': array([-0.06298828, -0.00411987, -0.07861328,  0.18066406, -0.15
625   ,
        -0.33984375, -0.19628906, -0.375     ,  0.02331543,  0.13867188,
        -0.25585938, -0.13574219,  0.11865234, -0.16015625, -0.12792969,
         0.02685547,  0.13574219,  0.15527344, -0.1484375 , -0.03198242,
        -0.07519531,  0.04638672,  0.00108337,  0.11132812, -0.12792969,
         0.07617188, -0.02856445,  0.05664062,  0.06347656,  0.04833984,
         0.02331543, -0.546875  , -0.15917969, -0.2578125 ,  0.05859375,
        -0.01843262,  0.02893066, -0.13378906, -0.28125   ,  0.05444336,
         0.16796875,  0.19824219,  0.1328125 ,  0.15527344, -0.04956055,
        -0.25195312,  0.2265625 ,  0.05151367, -0.08447266, -0.01391602,
         0.29101562, -0.10839844, -0.15527344,  0.09570312,  0.34570312,
         0.04980469, -0.02416992, -0.09863281,  0.16210938, -0.04760742,
        -0.1796875 ,  0.08447266, -0.31640625, -0.1171875 ,  0.03149414,
         0.38085938,  0.125     ,  0.05957031,  0.28320312, -0.00205994,
         0.04003906, -0.21484375,  0.15527344,  0.11083984, -0.03417969,
         0.00308228,  0.05883789, -0.0402832 , -0.01550293,  0.14941406,
        -0.00753784, -0.12597656, -0.14746094,  0.17773438,  0.04882812,
         0.20410156, -0.28515625,  0.34570312,  0.125     , -0.07519531,
         0.33984375, -0.234375  ,  0.1015625 ,  0.09521484,  0.05102539,
        -0.23339844,  0.19140625,  0.21582031,  0.12451172,  0.11621094,
        -0.17773438, -0.16601562,  0.11083984,  0.3046875 ,  0.29882812,
        -0.27539062, -0.29296875,  0.14746094,  0.13671875,  0.00108337,
        -0.15429688, -0.171875  , -0.04101562,  0.28125   ,  0.03320312,
        -0.09375   , -0.06640625, -0.29101562,  0.20898438, -0.01263428,
         0.08447266,  0.06030273, -0.04345703,  0.05078125, -0.10595703,
         0.21484375, -0.19140625,  0.07128906, -0.20605469,  0.10693359,
        -0.04931641,  0.171875  ,  0.19433594, -0.12158203,  0.10253906,
         0.29882812,  0.13867188, -0.04467773, -0.03564453,  0.32421875,
         0.16992188, -0.43359375, -0.265625  ,  0.328125  ,  0.09716797,
        -0.24121094,  0.28710938, -0.02038574,  0.265625  , -0.15722656,
        -0.08349609,  0.11083984,  0.06982422,  0.22949219,  0.00221252,
         0.11230469, -0.12207031, -0.10644531,  0.04858398, -0.22558594,
        -0.18164062, -0.19726562, -0.07421875, -0.11035156,  0.15136719,
         0.10644531,  0.13964844, -0.27734375,  0.04052734, -0.05517578,
        -0.16308594, -0.07763672,  0.02038574,  0.05834961,  0.0703125 ,
         0.24804688, -0.012146  , -0.16503906, -0.09716797, -0.140625  ,
        -0.1875    , -0.2109375 ,  0.22363281, -0.34179688,  0.09960938,
        -0.10449219, -0.01123047,  0.40429688,  0.18261719,  0.01708984,
        -0.06298828, -0.12060547, -0.28710938, -0.05297852,  0.06176758,
         0.06396484, -0.12255859, -0.20703125,  0.17089844, -0.34179688,
         0.02819824,  0.140625  ,  0.265625  , -0.1640625 , -0.05859375,
        -0.01867676,  0.04638672, -0.18066406,  0.01226807,  0.04394531,
        -0.06298828, -0.03808594, -0.12451172,  0.34375   , -0.11914062,
         0.04223633,  0.07763672, -0.20800781,  0.20605469,  0.3125    ,
         0.02307129,  0.10205078, -0.05541992,  0.07519531,  0.05688477,
        -0.2734375 , -0.07617188, -0.24511719,  0.11328125,  0.13964844,
        -0.29882812, -0.12060547, -0.05175781, -0.10839844, -0.06347656,
        -0.01574707, -0.02966309, -0.06884766,  0.08642578, -0.17871094,
         0.20507812,  0.21777344, -0.07177734,  0.14550781,  0.12109375,
        -0.11816406, -0.11474609,  0.04736328, -0.10351562,  0.09570312,
        -0.15429688, -0.18554688, -0.23339844,  0.04101562,  0.15234375,
         0.06835938,  0.05297852, -0.4296875 , -0.12988281, -0.03686523,
         0.16992188, -0.21191406,  0.26367188,  0.15722656,  0.01123047,
         0.35546875, -0.11083984, -0.15332031, -0.11572266, -0.06103516,
        -0.02636719, -0.16699219, -0.00170898, -0.17675781, -0.12207031,
        -0.02258301, -0.11865234,  0.18261719, -0.03369141, -0.20507812,
         0.15820312,  0.15234375,  0.37304688,  0.04931641, -0.04931641,
         0.00390625,  0.11181641, -0.11474609, -0.12060547,  0.03588867,
        -0.1015625 ,  0.04296875,  0.01867676, -0.24902344, -0.12597656,
         0.08642578,  0.07324219,  0.05810547,  0.07226562, -0.12451172],
       dtype=float32),
```

```
 'professionalism': array([-0.06201172,  0.01916504, -0.0213623 , -0.144531
25,  0.10986328,
        -0.04907227,  0.15234375, -0.55078125,  0.15625   ,  0.2421875 ,
         0.02148438, -0.11572266,  0.25390625,  0.1640625 , -0.16992188,
         0.10888672,  0.04443359,  0.20410156, -0.26367188, -0.16796875,
         0.19335938, -0.48632812,  0.07373047,  0.18457031,  0.14160156,
        -0.0480957 , -0.03039551, -0.08691406,  0.16796875,  0.2265625 ,
        -0.03710938, -0.09667969,  0.16796875, -0.10449219,  0.33007812,
        -0.08300781,  0.12158203,  0.11816406,  0.01556396, -0.41796875,
         0.3125    , -0.11083984, -0.37695312,  0.05859375, -0.24804688,
        -0.07958984, -0.29882812,  0.02380371,  0.08544922,  0.10986328,
        -0.18554688,  0.28710938,  0.01599121, -0.07617188,  0.09228516,
         0.25195312, -0.11181641,  0.19921875, -0.26367188,  0.10888672,
        -0.09765625,  0.13671875, -0.24707031,  0.07275391,  0.10644531,
         0.19238281, -0.02709961, -0.13574219,  0.16113281,  0.06689453,
        -0.14160156, -0.00106049,  0.11523438,  0.1640625 , -0.23730469,
        -0.14941406,  0.01452637, -0.00735474,  0.26367188,  0.11328125,
        -0.21582031,  0.16894531, -0.29296875, -0.15917969, -0.08105469,
        -0.18164062, -0.08300781,  0.13769531, -0.006073  ,  0.33398438,
         0.24414062, -0.07177734, -0.06054688, -0.05126953,  0.38476562,
        -0.07519531, -0.22558594,  0.30078125, -0.06103516, -0.33007812,
         0.09814453,  0.14746094, -0.00976562,  0.1171875 ,  0.00671387,
         0.11572266,  0.05102539,  0.140625  ,  0.12695312, -0.3984375 ,
        -0.03222656,  0.13085938, -0.51171875,  0.11523438, -0.05175781,
         0.00189972,  0.12890625, -0.12304688,  0.04003906,  0.05444336,
        -0.36914062, -0.01245117,  0.06689453,  0.3046875 ,  0.18652344,
         0.08398438, -0.37890625, -0.14550781,  0.14160156,  0.05102539,
        -0.20703125, -0.19628906, -0.20996094,  0.11132812, -0.05419922,
         0.00576782,  0.08349609, -0.07958984, -0.20605469,  0.00212097,
        -0.23144531, -0.15917969, -0.16503906, -0.16015625, -0.20703125,
         0.25390625,  0.12890625,  0.15820312,  0.36328125, -0.01940918,
        -0.14550781,  0.38867188, -0.10498047,  0.12158203, -0.03491211,
        -0.01806641,  0.27929688, -0.34570312, -0.12304688, -0.06640625,
         0.01660156,  0.06591797, -0.22363281,  0.23144531,  0.05029297,
        -0.20410156, -0.22753906, -0.26757812,  0.07958984,  0.1796875 ,
         0.2890625 , -0.26367188,  0.08203125, -0.05786133,  0.06591797,
         0.09570312,  0.22167969, -0.14160156,  0.04980469, -0.47851562,
        -0.26171875,  0.17675781,  0.04321289, -0.12158203, -0.12109375,
        -0.06494141,  0.11425781, -0.29882812, -0.08154297,  0.14941406,
        -0.09130859,  0.22363281,  0.15527344,  0.25390625,  0.12402344,
        -0.18652344,  0.31445312,  0.2890625 , -0.09033203,  0.03271484,
        -0.05981445,  0.34765625, -0.12060547,  0.02709961, -0.1796875 ,
        -0.296875  , -0.3359375 , -0.12792969,  0.19433594,  0.11425781,
        -0.15820312, -0.3828125 ,  0.01342773,  0.03393555, -0.01281738,
        -0.19140625,  0.01428223,  0.15527344, -0.359375  ,  0.04052734,
        -0.02282715, -0.0390625 , -0.03295898,  0.10986328, -0.01483154,
        -0.00610352,  0.33789062, -0.04443359,  0.12255859, -0.15917969,
        -0.27734375, -0.06347656,  0.07519531,  0.02319336, -0.3515625 ,
         0.02404785,  0.07080078,  0.25976562,  0.21191406,  0.09326172,
        -0.07861328, -0.31445312, -0.03320312,  0.02185059, -0.10742188,
         0.05541992,  0.04394531, -0.20117188, -0.08740234,  0.06201172,
         0.13183594,  0.21484375, -0.18847656,  0.109375  ,  0.00588989,
        -0.20019531,  0.19824219,  0.32617188, -0.11767578,  0.08007812,
         0.18652344, -0.04248047,  0.10791016,  0.24316406,  0.33398438,
         0.15039062,  0.19824219, -0.36328125, -0.03369141, -0.01531982,
        -0.13769531,  0.14453125, -0.04638672, -0.01867676, -0.04174805,
        -0.00689697,  0.171875  ,  0.22851562, -0.34960938,  0.00195312,
        -0.14746094, -0.03564453,  0.32226562,  0.2578125 ,  0.09863281,
         0.14746094, -0.13867188,  0.06689453,  0.16699219,  0.26171875,
        -0.16503906, -0.14160156, -0.36914062,  0.02648926, -0.17480469,
         0.05053711,  0.18847656, -0.16699219, -0.17773438,  0.02258301],
       dtype=float32),
 'excellence': array([-4.45312500e-01,  1.31835938e-01,  2.07031250e-01,
1.97265625e-01,
```

```
 3.12500000e-01, -4.02832031e-02,  8.00781250e-02, -2.55859375e-01,
 9.42382812e-02,  1.84570312e-01, -2.89062500e-01,  6.78710938e-02,
 3.59375000e-01,  2.02941895e-03,  4.56542969e-02,  1.08886719e-01,
 9.91210938e-02,  4.97436523e-03,  1.92260742e-03, -8.00781250e-02,
-6.59179688e-02, -9.66796875e-02, -5.02929688e-02,  1.25976562e-01,
 1.51367188e-01, -2.09960938e-02, -1.15722656e-01, -1.70898438e-01,
 5.76171875e-02, -1.00097656e-01,  4.78515625e-02, -3.02734375e-01,
 6.98242188e-02, -1.96289062e-01,  4.12109375e-01, -9.32617188e-02,
 1.14257812e-01, -6.68945312e-02,  1.67968750e-01, -2.32421875e-01,
 3.12500000e-01,  1.01074219e-01, -5.23437500e-01, -1.84570312e-01,
-1.80664062e-01, -4.93164062e-02,  3.10058594e-02,  1.73828125e-01,
 2.61718750e-01,  2.00195312e-02, -2.75390625e-01,  6.21093750e-01,
-7.56835938e-02,  1.30859375e-01,  2.53906250e-01, -2.84423828e-02,
 4.80957031e-02, -2.77343750e-01, -1.18164062e-01, -6.12792969e-02,
 1.12915039e-02,  2.73437500e-01,  4.29687500e-02, -4.04296875e-01,
-9.17968750e-02,  2.05078125e-01, -2.18750000e-01,  2.34375000e-02,
 2.51953125e-01,  1.41601562e-02, -3.18359375e-01, -1.46484375e-01,
 1.96289062e-01, -9.27734375e-02, -1.16699219e-01, -1.82617188e-01,
-5.10253906e-02, -1.53320312e-01,  8.59375000e-02, -7.17163086e-04,
-1.74804688e-01, -2.72216797e-02, -1.55273438e-01,  5.61523438e-02,
 1.30859375e-01, -8.78906250e-02, -3.95507812e-02,  1.71875000e-01,
-8.25195312e-02,  1.47460938e-01,  2.67578125e-01, -3.51562500e-02,
-8.59375000e-02, -2.55859375e-01,  1.16210938e-01,  1.28906250e-01,
 1.08398438e-01,  4.02343750e-01, -5.49316406e-02, -1.41601562e-01,
-1.62506104e-03,  3.47656250e-01, -2.13623047e-02,  5.98144531e-02,
 3.05175781e-02, -1.41601562e-01, -1.39648438e-01,  3.37890625e-01,
-1.56250000e-02, -1.65039062e-01, -3.90625000e-02,  3.65234375e-01,
-3.32031250e-01,  3.35937500e-01,  2.12890625e-01, -7.76367188e-02,
-1.72851562e-01, -3.24218750e-01, -3.68652344e-02, -2.11914062e-01,
-1.28906250e-01, -6.39648438e-02,  2.75390625e-01,  2.63671875e-01,
-9.27734375e-02,  1.42578125e-01,  6.44531250e-02,  4.49218750e-02,
-7.95898438e-02,  3.69140625e-01, -2.04101562e-01, -2.45361328e-02,
-7.86132812e-02, -6.28662109e-03, -1.77734375e-01,  1.53320312e-01,
 2.57812500e-01, -1.22558594e-01,  4.83398438e-02,  1.75781250e-01,
-1.26953125e-01, -1.25000000e-01,  1.52343750e-01, -6.13403320e-03,
-3.06640625e-01,  8.93554688e-02,  4.73632812e-02, -9.86328125e-02,
 3.32031250e-01, -1.05468750e-01, -1.15356445e-02,  4.64843750e-01,
 1.59454346e-03,  1.70898438e-01, -1.61132812e-01, -1.25976562e-01,
 1.45507812e-01,  1.01074219e-01,  7.37304688e-02, -5.42968750e-01,
 3.61328125e-02,  4.73632812e-02, -1.10351562e-01,  2.92968750e-01,
 4.34570312e-02, -1.06201172e-02,  3.29589844e-02, -3.65234375e-01,
-2.96875000e-01,  5.24902344e-02,  8.64257812e-02, -3.20312500e-01,
-1.37695312e-01,  8.27789307e-04,  1.25732422e-02,  7.51953125e-02,
 2.16796875e-01, -1.50390625e-01, -1.12792969e-01, -3.88671875e-01,
-6.17187500e-01, -1.19628906e-01,  9.22851562e-02, -2.44140625e-01,
-1.84570312e-01, -1.61132812e-02,  1.08886719e-01, -5.73730469e-02,
-1.84326172e-02,  2.17773438e-01,  1.20849609e-02, -2.39257812e-02,
 2.12890625e-01,  5.51757812e-02, -1.17187500e-01, -7.56835938e-02,
 3.82812500e-01,  5.37109375e-02, -1.59912109e-02,  1.83105469e-02,
-1.78710938e-01,  1.68945312e-01,  1.37695312e-01, -7.47070312e-02,
-5.95703125e-02, -2.40234375e-01,  2.27539062e-01, -1.58203125e-01,
 2.87109375e-01, -1.94335938e-01,  7.32421875e-02, -3.63281250e-01,
-7.44628906e-03,  9.86328125e-02,  2.45361328e-02, -3.27148438e-02,
 3.14453125e-01,  2.77343750e-01, -1.25000000e-01, -5.41992188e-02,
-1.14746094e-01,  2.38037109e-02, -4.95605469e-02,  1.74804688e-01,
-1.10839844e-01,  2.07031250e-01,  1.44531250e-01, -3.54003906e-02,
-6.44531250e-02, -1.82617188e-01, -3.55468750e-01, -2.31445312e-01,
-3.32031250e-02,  2.50244141e-02, -1.26953125e-01, -7.12890625e-02,
-1.19628906e-01,  4.71191406e-02,  3.43750000e-01,  5.51757812e-02,
-8.48388672e-03, -3.80859375e-01, -4.90722656e-02,  1.07421875e-01,
 9.52148438e-02, -1.78710938e-01,  1.67968750e-01, -8.25195312e-02,
-1.03027344e-01, -2.87109375e-01,  2.28515625e-01, -3.29589844e-03,
 1.19018555e-02,  5.44433594e-02,  1.00097656e-01, -1.95312500e-01,
-1.66992188e-01,  1.45507812e-01, -2.75390625e-01,  2.89062500e-01,
```

```
         2.98828125e-01,  1.66992188e-01, -4.00390625e-02,  1.36718750e-01,
         3.00781250e-01,  2.21679688e-01,  2.51953125e-01, -2.15820312e-01,
        -1.13281250e-01, -1.48437500e-01, -1.97265625e-01, -1.37695312e-01,
         5.50746918e-05, -1.78710938e-01, -1.36718750e-01,  1.26647949e-03,
        -1.61132812e-01,  4.39453125e-02, -5.27343750e-01,  1.23535156e-01,
        -2.55126953e-02,  5.56640625e-02,  1.96289062e-01,  1.43554688e-01,
        -2.04101562e-01,  2.96875000e-01, -2.06054688e-01, -6.64062500e-02,
         1.86523438e-01,  1.18652344e-01,  2.08984375e-01, -4.10156250e-02,
        -3.59375000e-01, -2.83203125e-02,  9.13085938e-02,  5.12695312e-02,
         1.50390625e-01, -4.79125977e-03, -5.51757812e-02,  1.89453125e-0
1],
       dtype=float32),
 'pride': array([ 1.65039062e-01,  3.41796875e-01,  2.25585938e-01, -4.1015
6250e-02,
         3.49121094e-02, -2.81250000e-01,  2.16796875e-01, -3.57421875e-01,
         9.13085938e-02,  2.87109375e-01,  6.25000000e-02, -2.19726562e-01,
         2.40234375e-01,  2.55859375e-01,  1.01562500e-01, -1.62506104e-03,
        -1.86523438e-01,  4.78515625e-01, -1.59179688e-01, -1.82617188e-01,
        -2.00195312e-01,  3.05175781e-02,  1.71875000e-01, -3.39355469e-02,
         6.49414062e-02,  1.28173828e-02, -9.22851562e-02, -7.42187500e-02,
         1.68945312e-01, -2.60009766e-02,  3.85742188e-02,  2.25830078e-02,
         1.61132812e-01,  7.47070312e-02,  1.47460938e-01,  2.97851562e-02,
         3.55468750e-01,  2.89062500e-01, -1.20605469e-01,  1.16699219e-01,
         2.00195312e-01, -2.25585938e-01,  7.42187500e-02, -1.13281250e-01,
         2.00195312e-01, -1.84570312e-01, -1.85546875e-01, -1.45874023e-02,
        -1.37695312e-01,  2.19726562e-01, -2.34842300e-05,  4.29687500e-01,
        -3.80859375e-02,  3.93066406e-02,  4.34570312e-02, -1.50390625e-01,
        -2.63671875e-01, -8.83789062e-02, -1.16210938e-01,  7.76367188e-02,
        -3.39355469e-02, -3.93066406e-02, -1.89453125e-01, -1.67968750e-01,
        -1.91406250e-01,  1.79687500e-01, -2.22656250e-01,  1.01562500e-01,
        -1.26953125e-01,  1.44531250e-01,  1.16210938e-01,  1.31835938e-01,
        -2.03857422e-02, -1.66992188e-01,  5.83496094e-02, -1.14746094e-01,
         4.05273438e-02, -7.76367188e-02,  3.04687500e-01,  8.83789062e-02,
        -1.44531250e-01, -1.11816406e-01, -7.17773438e-02, -1.42578125e-01,
        -2.02148438e-01, -2.33398438e-01,  2.46582031e-02,  2.55859375e-01,
        -2.36816406e-02, -1.66992188e-01,  1.04492188e-01,  1.07910156e-01,
        -8.00781250e-02, -2.10937500e-01, -3.02734375e-02, -1.09375000e-01,
        -2.59765625e-01,  1.70898438e-01, -3.68652344e-02,  7.32421875e-02,
        -3.27148438e-02, -2.03857422e-02, -2.73437500e-02,  4.80957031e-02,
         1.55273438e-01,  5.54199219e-02,  1.97265625e-01,  1.43554688e-01,
         1.19628906e-01, -1.85546875e-01, -3.04687500e-01,  2.75390625e-01,
         4.49218750e-02,  3.35937500e-01,  2.92968750e-02,  2.98828125e-01,
        -1.14257812e-01, -6.12792969e-02,  3.54003906e-02, -1.00585938e-01,
        -2.29492188e-01, -6.83593750e-02, -1.69921875e-01,  1.83593750e-01,
        -1.68945312e-01,  1.63085938e-01, -1.55273438e-01,  7.32421875e-02,
         1.66015625e-02,  1.04980469e-01, -1.46484375e-01, -1.31835938e-01,
        -2.25585938e-01,  2.75390625e-01,  2.14843750e-01,  2.45117188e-01,
         2.13623047e-02,  1.87500000e-01, -3.10546875e-01,  3.41796875e-01,
        -2.53906250e-01, -8.44726562e-02,  1.00097656e-01, -2.02148438e-01,
        -1.34765625e-01,  7.22656250e-02, -1.42578125e-01,  2.59765625e-01,
        -7.75146484e-03, -3.51562500e-01,  1.88476562e-01,  3.55468750e-01,
         1.13769531e-01,  2.69531250e-01, -2.77343750e-01,  1.12304688e-01,
         9.03320312e-02, -3.28125000e-01, -2.63671875e-01, -2.94921875e-01,
         1.74804688e-01,  3.34472656e-02, -6.98242188e-02,  5.00488281e-02,
         3.43750000e-01, -3.43750000e-01, -1.68945312e-01,  7.56835938e-02,
        -2.03125000e-01,  3.41796875e-01, -3.11279297e-03, -2.18505859e-02,
         2.36328125e-01, -1.21582031e-01, -1.46484375e-01,  2.23388672e-02,
         3.95507812e-02, -1.85546875e-01, -1.39648438e-01, -1.82617188e-01,
        -1.80664062e-01, -2.24609375e-01, -1.02050781e-01, -1.76757812e-01,
        -3.59375000e-01, -1.45507812e-01, -1.40625000e-01, -1.35742188e-01,
        -6.68334961e-03,  1.80664062e-02, -1.00097656e-01, -2.13623047e-02,
        -1.03027344e-01,  1.99218750e-01, -3.22265625e-01, -3.96484375e-01,
        -1.21582031e-01,  5.42968750e-01, -5.39550781e-02,  2.50000000e-01,
        -3.10546875e-01,  2.53906250e-01, -9.03320312e-02, -1.35742188e-01,
```

```
        -2.51953125e-01, -1.39648438e-01,  1.20544434e-03, -1.67968750e-01,
         7.08007812e-02,  1.81884766e-02, -1.42578125e-01,  1.68945312e-01,
        -2.61718750e-01,  2.16796875e-01,  1.24511719e-02,  1.23046875e-01,
         3.90625000e-02,  8.93554688e-02,  1.59912109e-02, -4.80957031e-02,
        -1.03027344e-01, -1.96289062e-01, -3.12500000e-01, -9.03320312e-03,
        -3.78906250e-01, -8.15429688e-02,  1.20117188e-01,  1.02050781e-01,
         1.49414062e-01,  4.76074219e-02, -2.10937500e-01, -1.07910156e-01,
         2.44140625e-03,  3.37890625e-01,  1.23046875e-01, -2.61718750e-01,
         2.94921875e-01, -7.81250000e-02,  4.05273438e-02,  5.39550781e-02,
        -2.23632812e-01, -3.43750000e-01, -2.43164062e-01,  2.14843750e-01,
        -8.30078125e-02,  4.73632812e-02,  1.00585938e-01, -2.98828125e-01,
        -2.79541016e-02,  5.44433594e-02, -3.53515625e-01,  1.95312500e-01,
         1.09375000e-01, -2.10937500e-01, -2.00195312e-02, -1.12304688e-02,
         5.61523438e-02,  5.00488281e-03,  1.24511719e-02, -3.80859375e-02,
        -3.93676758e-03,  4.19921875e-02,  5.37109375e-02,  1.50390625e-01,
         1.40625000e-01,  5.71289062e-02,  2.94921875e-01, -3.01513672e-02,
         1.46484375e-01, -9.37500000e-02, -1.73828125e-01, -8.15429688e-02,
         2.73437500e-01, -1.08398438e-01, -7.76367188e-02, -2.59765625e-01,
        -3.08593750e-01, -7.17773438e-02, -2.83203125e-01, -9.32617188e-02,
         1.12792969e-01, -2.22656250e-01, -5.29785156e-02,  3.49121094e-02,
        -6.29882812e-02,  4.54711914e-03, -1.66015625e-01,  3.08593750e-01,
        -8.34960938e-02,  3.73535156e-02, -4.19921875e-02, -6.93359375e-02,
        -3.47656250e-01, -4.25781250e-01, -2.38281250e-01,  2.75390625e-01,
        -1.09375000e-01, -1.94091797e-02, -7.81250000e-02, -2.94921875e-0
1],
       dtype=float32),
 'expert': array([ 1.19628906e-01, -2.68554688e-02,  4.32128906e-02,  1.962
89062e-01,
         3.10058594e-02,  5.97656250e-01,  2.21679688e-01, -2.67578125e-01,
         1.28906250e-01, -1.33789062e-01,  1.69921875e-01, -2.15820312e-01,
         3.63769531e-02, -6.17675781e-02, -4.29687500e-01,  2.98828125e-01,
        -1.23291016e-02, -1.48925781e-02,  1.39648438e-01, -1.81640625e-01,
         2.55859375e-01,  7.08007812e-02, -2.33398438e-01, -2.80761719e-02,
         1.56250000e-01, -1.51367188e-01, -2.23632812e-01, -9.88769531e-03,
        -4.10156250e-01, -2.10937500e-01, -1.02539062e-02,  1.09863281e-02,
        -1.57226562e-01,  5.61523438e-02,  1.47460938e-01,  5.71289062e-02,
        -1.37695312e-01,  2.15820312e-01, -1.46484375e-02, -2.40234375e-01,
        -1.01074219e-01, -2.10937500e-01, -2.66113281e-02,  2.96875000e-01,
        -5.34667969e-02, -2.36328125e-01, -1.21582031e-01, -3.28125000e-01,
         1.65039062e-01,  6.20117188e-02, -1.21582031e-01,  2.50000000e-01,
        -2.79296875e-01, -2.13623047e-02, -1.46484375e-01,  7.08007812e-03,
         1.80664062e-02, -3.69140625e-01,  7.12890625e-02, -3.16406250e-01,
        -4.41894531e-02, -4.14062500e-01, -2.23632812e-01,  6.05468750e-02,
         1.83593750e-01, -6.25000000e-02,  4.02832031e-02,  2.09960938e-01,
        -1.00097656e-01, -1.87500000e-01, -4.66308594e-02,  9.22851562e-02,
         1.04980469e-01,  8.91113281e-03, -2.65625000e-01, -9.66796875e-02,
        -5.15136719e-02,  3.22265625e-01, -5.34667969e-02,  1.42578125e-01,
         2.02148438e-01,  1.25000000e-01, -4.54101562e-02,  1.25000000e-01,
         2.34375000e-02, -7.37304688e-02,  1.75781250e-01,  1.21093750e-01,
        -1.95312500e-01,  4.66308594e-02,  2.13867188e-01,  2.62451172e-03,
        -2.83203125e-01,  1.76757812e-01,  1.42578125e-01,  1.69921875e-01,
        -2.11181641e-02, -2.19726562e-02,  2.30468750e-01, -1.52343750e-01,
         1.92382812e-01,  8.44726562e-02, -1.47460938e-01, -5.78613281e-02,
         6.12792969e-02,  5.02929688e-02, -3.14453125e-01, -1.72851562e-01,
         1.02050781e-01, -4.02343750e-01, -1.84570312e-01, -6.10351562e-02,
        -1.00097656e-01,  1.06933594e-01,  2.57568359e-02,  1.87988281e-02,
        -2.59765625e-01,  3.19824219e-02,  2.61718750e-01,  2.80761719e-02,
        -5.39550781e-02,  1.10839844e-01, -4.93164062e-02, -8.25195312e-02,
        -6.93359375e-02, -1.28173828e-02, -7.81250000e-03, -1.13281250e-01,
         1.45507812e-01,  5.93750000e-01, -4.68750000e-02, -7.22656250e-02,
        -3.02734375e-01,  2.31445312e-01, -1.04492188e-01, -3.44238281e-02,
         3.41796875e-01,  1.07910156e-01, -2.67578125e-01,  4.58984375e-02,
         7.81250000e-02,  2.89062500e-01,  2.18750000e-01,  2.09960938e-01,
         1.23535156e-01,  5.00488281e-02,  6.44531250e-02,  8.00781250e-02,
```

```
         1.15234375e-01,  1.59179688e-01,  5.98144531e-02,  1.80664062e-02,
         1.08642578e-02, -1.49414062e-01, -8.44726562e-02, -1.39648438e-01,
        -3.00598145e-03,  2.89306641e-02, -7.81250000e-02, -1.96289062e-01,
        -3.58886719e-02,  5.95092773e-03,  1.25000000e-01, -5.37109375e-02,
         1.02050781e-01,  1.99218750e-01,  5.32226562e-02, -2.91015625e-01,
         3.12500000e-01,  4.95605469e-02,  2.09960938e-01,  1.81640625e-01,
        -1.52343750e-01,  1.59179688e-01,  1.47460938e-01, -1.05957031e-01,
        -5.41992188e-02,  2.62451172e-02, -5.41992188e-02,  6.34765625e-02,
        -7.37304688e-02, -1.60156250e-01,  1.82617188e-01, -1.27929688e-01,
        -1.68945312e-01, -9.42382812e-02, -1.04003906e-01, -1.47460938e-01,
        -8.44726562e-02,  1.21582031e-01,  5.29785156e-02,  5.73730469e-02,
         1.51367188e-01,  7.93457031e-03, -4.56542969e-02, -1.93359375e-01,
        -7.86132812e-02, -3.14453125e-01,  3.47137451e-04, -4.90722656e-02,
        -1.19628906e-01,  1.89453125e-01, -1.56250000e-01, -1.31835938e-01,
        -5.46264648e-03,  5.41992188e-02, -6.10351562e-04, -5.68847656e-02,
        -4.10156250e-02, -7.71484375e-02,  8.36181641e-03, -2.57812500e-01,
        -6.54296875e-02, -4.73632812e-02,  1.47460938e-01,  1.64062500e-01,
        -4.34570312e-02, -2.06054688e-01,  2.48046875e-01,  1.01074219e-01,
         5.37109375e-02, -1.41601562e-01, -7.81250000e-02, -2.01416016e-02,
        -9.22851562e-02, -1.44531250e-01,  4.45312500e-01, -1.25000000e-01,
        -2.11914062e-01, -6.68945312e-02,  3.19824219e-02, -1.44531250e-01,
        -4.86328125e-01, -2.05078125e-01, -1.48437500e-01,  1.85546875e-01,
         8.20312500e-02,  3.41796875e-02, -1.95312500e-01, -3.08593750e-01,
         7.27539062e-02, -1.60156250e-01, -3.20312500e-01,  2.07031250e-01,
         1.20605469e-01,  1.54296875e-01, -1.66015625e-01, -1.25000000e-01,
         2.81250000e-01, -1.76757812e-01, -8.64257812e-02, -1.51367188e-01,
        -1.34765625e-01, -2.88085938e-02,  2.63671875e-01,  1.09863281e-01,
        -2.89062500e-01, -5.34667969e-02, -1.47460938e-01, -2.09960938e-01,
        -8.93554688e-02, -1.55273438e-01,  2.48046875e-01, -1.73828125e-01,
         2.60009766e-02,  4.63867188e-02, -2.28515625e-01,  7.37304688e-02,
        -5.44433594e-02, -7.71484375e-02,  1.04003906e-01, -9.58251953e-03,
        -1.40625000e-01,  8.25195312e-02, -4.93164062e-02, -1.05957031e-01,
         2.08740234e-02,  1.09863281e-01,  2.19726562e-01, -5.95703125e-02,
         5.02929688e-02, -1.00097656e-01,  1.68945312e-01,  6.68945312e-02,
         3.11279297e-02,  1.84326172e-02, -9.42382812e-02,  1.55273438e-01,
         6.88476562e-02,  1.37695312e-01,  1.91406250e-01, -1.58203125e-01,
         2.00195312e-01,  2.17773438e-01,  1.08886719e-01, -1.97265625e-01,
        -1.77734375e-01, -2.57812500e-01,  9.81445312e-02,  2.02636719e-0
2],
       dtype=float32),
 'passion': array([ 1.15722656e-01, -1.65039062e-01,  1.43554688e-01,  2.23
388672e-02,
         1.12304688e-02, -1.00097656e-01,  2.12890625e-01, -4.64843750e-01,
        -1.45507812e-01, -6.49414062e-02, -1.67968750e-01, -1.19628906e-01,
         2.08007812e-01, -2.17773438e-01, -1.31835938e-01,  1.10839844e-01,
        -2.41699219e-02,  3.61328125e-01,  7.08007812e-02, -1.99218750e-01,
         3.24707031e-02, -6.25000000e-02,  4.37011719e-02,  1.35742188e-01,
        -1.66992188e-01,  1.00097656e-01,  3.80859375e-02, -3.95507812e-02,
        -7.51953125e-02, -1.04980469e-01, -6.39648438e-02,  1.77734375e-01,
         1.12792969e-01,  1.38671875e-01,  2.57812500e-01,  1.33789062e-01,
         4.51660156e-03,  4.78515625e-02,  7.42187500e-02,  1.10351562e-01,
         3.84765625e-01, -6.39648438e-02, -3.16406250e-01, -4.36401367e-03,
        -1.95312500e-01, -1.16699219e-01, -3.02734375e-02,  9.03320312e-02,
         1.17187500e-01,  8.59375000e-02, -1.15234375e-01,  2.23632812e-01,
        -1.48437500e-01, -8.10546875e-02,  1.26953125e-01,  4.17480469e-02,
        -4.78515625e-02, -2.03125000e-01, -2.33398438e-01, -5.24902344e-02,
         2.18750000e-01, -8.54492188e-02, -1.37695312e-01, -9.39941406e-03,
        -2.18750000e-01,  1.52343750e-01, -1.91406250e-01, -1.13281250e-01,
         7.56835938e-02, -3.83300781e-02, -3.22265625e-02, -1.50390625e-01,
         4.68750000e-02,  1.83593750e-01, -1.47460938e-01, -1.31835938e-01,
         9.96093750e-02, -9.96093750e-02,  7.56835938e-02,  1.98242188e-01,
         5.10253906e-02,  1.01074219e-01,  5.93261719e-02, -4.95605469e-02,
        -9.81445312e-02, -1.78222656e-02, -3.02734375e-01,  2.96875000e-01,
         1.81640625e-01, -7.32421875e-02,  9.27734375e-03,  4.34570312e-02,
```

```
        -3.47656250e-01,  5.43212891e-03, -2.44140625e-02, -9.71679688e-02,
        -8.78906250e-02,  1.61132812e-01, -2.92968750e-02, -6.98242188e-02,
        -1.29882812e-01,  3.28125000e-01,  6.07910156e-02,  1.09375000e-01,
         6.88476562e-02, -3.12500000e-02,  1.36718750e-01,  7.81250000e-02,
         2.98828125e-01, -1.74804688e-01,  3.95507812e-02,  3.73535156e-02,
        -1.02539062e-01,  2.75390625e-01,  3.88671875e-01,  3.10058594e-02,
        -1.00585938e-01, -2.48046875e-01, -1.13281250e-01,  4.19921875e-02,
        -8.00781250e-02, -2.42187500e-01,  4.05273438e-02,  9.08203125e-02,
        -2.40234375e-01, -8.39843750e-02,  3.29589844e-03,  9.52148438e-02,
        -2.36328125e-01,  3.02734375e-01, -1.92382812e-01, -2.87109375e-01,
        -2.63671875e-01,  5.63964844e-02,  7.37304688e-02,  3.26171875e-01,
        -5.07812500e-02, -3.06396484e-02, -1.09863281e-02,  2.13867188e-01,
        -6.78710938e-02, -4.29687500e-02, -4.29687500e-02, -1.28906250e-01,
        -1.73828125e-01,  2.80761719e-02, -2.70996094e-02,  2.50000000e-01,
         1.28746033e-04, -3.88671875e-01,  2.61718750e-01,  4.66796875e-01,
         1.69921875e-01,  3.30078125e-01, -3.88671875e-01,  1.25976562e-01,
         5.10253906e-02, -3.39843750e-01, -1.97265625e-01, -3.86718750e-01,
         1.25000000e-01,  5.17578125e-02, -2.41210938e-01,  4.27734375e-01,
         1.12792969e-01, -1.45874023e-02,  1.24511719e-01, -1.14746094e-01,
         1.03515625e-01,  3.29589844e-02,  1.12792969e-01,  1.52343750e-01,
        -2.34375000e-01, -1.87500000e-01, -1.12304688e-01,  1.16699219e-01,
        -1.26953125e-01, -1.25976562e-01, -7.03125000e-02, -4.31640625e-01,
        -3.67187500e-01,  3.75976562e-02,  2.30468750e-01, -1.14257812e-01,
        -1.97265625e-01, -6.88476562e-02, -1.34765625e-01, -3.06640625e-01,
         5.98144531e-03, -2.73437500e-02, -9.91210938e-02,  2.18750000e-01,
         1.80664062e-01,  3.43750000e-01, -7.08007812e-02,  7.71484375e-02,
         1.76757812e-01,  2.14843750e-01, -4.39453125e-02,  7.76367188e-02,
        -1.97265625e-01,  2.02636719e-02,  4.24804688e-02, -1.59179688e-01,
         1.17187500e-01, -1.32812500e-01, -2.17773438e-01,  6.88476562e-02,
         8.93554688e-02, -1.05468750e-01, -1.83593750e-01, -3.97949219e-02,
        -1.28173828e-02,  1.25000000e-01, -1.40625000e-01, -2.33154297e-02,
         1.29394531e-02,  2.79296875e-01, -1.97265625e-01, -6.44531250e-02,
        -2.63671875e-01, -3.12500000e-02, -9.22851562e-02,  1.41601562e-01,
        -2.65625000e-01, -8.44726562e-02,  9.22851562e-02, -1.85546875e-02,
         1.48437500e-01, -5.61523438e-03, -2.91015625e-01,  1.25976562e-01,
         8.25195312e-02,  1.72851562e-01,  1.90429688e-02, -1.29882812e-01,
        -1.77001953e-02, -1.83105469e-03, -6.93359375e-02, -1.75781250e-01,
         3.18908691e-03, -1.18652344e-01, -4.41406250e-01,  3.32031250e-01,
         8.25195312e-02,  3.24218750e-01,  1.43554688e-01, -1.28906250e-01,
         1.65039062e-01, -2.98828125e-01,  2.42187500e-01,  3.08593750e-01,
         4.10156250e-02,  1.70898438e-01,  2.23632812e-01, -1.32812500e-01,
        -5.93261719e-02, -1.36718750e-01, -2.69531250e-01, -3.32031250e-02,
        -2.49023438e-02, -7.32421875e-02, -1.23535156e-01,  4.06250000e-01,
        -2.79296875e-01,  8.25195312e-02,  1.03027344e-01, -6.34765625e-02,
         2.71484375e-01, -5.39550781e-02, -3.73535156e-02, -5.34667969e-02,
         4.29687500e-02,  2.48046875e-01, -8.44726562e-02, -6.44531250e-02,
        -3.18359375e-01,  1.02539062e-01, -1.78710938e-01, -6.44531250e-02,
         2.75390625e-01, -1.38671875e-01,  2.41210938e-01,  2.56347656e-02,
         8.23974609e-03,  1.05957031e-01, -8.44726562e-02,  4.51171875e-01,
         6.77490234e-03,  2.75390625e-01, -7.71484375e-02, -5.34667969e-02,
        -3.55468750e-01, -4.41406250e-01, -5.93261719e-02, -2.91015625e-01,
         3.51562500e-01, -9.61914062e-02, -1.05468750e-01,  1.47705078e-0
2],
       dtype=float32),
 'serving': array([-0.15429688, -0.07568359, -0.05566406,  0.04125977, -0.1
2792969,
        -0.04443359,  0.0234375 , -0.06542969, -0.08056641,  0.27539062,
         0.01165771, -0.00370789, -0.00271606,  0.13085938,  0.07373047,
         0.07763672, -0.20214844, -0.06982422, -0.07275391, -0.19433594,
        -0.125     ,  0.08984375, -0.16894531, -0.13964844,  0.00149536,
        -0.15039062, -0.01989746,  0.11914062, -0.09570312,  0.06494141,
         0.22460938, -0.06054688,  0.04296875, -0.02966309,  0.0703125 ,
         0.13964844,  0.05859375, -0.04638672, -0.10986328,  0.13574219,
         0.18261719,  0.16308594, -0.19628906, -0.31640625, -0.13476562,
```

```
        -0.25585938,  0.04663086,  0.16308594,  0.00285339,  0.12451172,
        -0.01940918,  0.0703125 ,  0.12451172,  0.13085938, -0.20800781,
         0.10449219, -0.09765625, -0.01269531, -0.12695312, -0.16992188,
        -0.078125  ,  0.38671875, -0.140625  , -0.18652344, -0.05981445,
         0.14746094, -0.16796875, -0.328125  , -0.09521484, -0.0703125 ,
         0.3125    , -0.07373047, -0.14648438,  0.17480469, -0.20800781,
        -0.48828125, -0.23046875, -0.06347656,  0.12207031, -0.01586914,
        -0.29101562, -0.26757812,  0.07470703,  0.12988281, -0.012146  ,
        -0.11181641, -0.41210938, -0.0402832 ,  0.13867188, -0.265625  ,
         0.23242188, -0.3046875 ,  0.29296875,  0.07958984,  0.02709961,
        -0.03564453,  0.06542969, -0.13867188, -0.11669922,  0.05737305,
        -0.24511719,  0.03955078,  0.11621094, -0.04052734,  0.07373047,
        -0.17675781,  0.203125  ,  0.13085938,  0.03295898,  0.08349609,
        -0.14941406, -0.05566406, -0.25390625, -0.08300781, -0.06347656,
         0.10595703,  0.11621094,  0.07275391,  0.45117188, -0.15625   ,
        -0.05419922, -0.19140625, -0.08789062,  0.30078125, -0.0201416 ,
         0.0279541 ,  0.04760742,  0.15234375, -0.01507568,  0.05883789,
         0.17675781,  0.01531982, -0.20898438,  0.03686523, -0.2421875 ,
        -0.00094223,  0.01879883, -0.04541016,  0.13378906,  0.08398438,
        -0.23632812, -0.00650024, -0.16992188, -0.22558594, -0.04321289,
         0.08300781, -0.20605469, -0.3515625 , -0.0279541 ,  0.17675781,
        -0.06079102,  0.10400391, -0.09277344,  0.05273438,  0.00466919,
        -0.07226562, -0.23144531, -0.02575684, -0.04760742, -0.15722656,
         0.03491211,  0.17578125, -0.05395508, -0.06787109, -0.03320312,
         0.03015137,  0.06347656,  0.1640625 ,  0.17871094, -0.203125  ,
        -0.15332031,  0.05273438,  0.16015625, -0.08447266,  0.02490234,
         0.01062012,  0.12451172, -0.26953125, -0.08740234, -0.13867188,
         0.02612305, -0.06933594, -0.07226562, -0.06494141,  0.01226807,
        -0.05761719, -0.20800781,  0.01452637,  0.05615234, -0.02355957,
         0.03637695,  0.13183594,  0.40039062, -0.28515625, -0.18066406,
         0.28515625, -0.03759766, -0.08349609,  0.12792969,  0.00564575,
        -0.26171875,  0.21289062,  0.16015625, -0.125     , -0.20214844,
         0.03369141, -0.02392578, -0.09667969, -0.36328125, -0.12451172,
        -0.10449219,  0.10693359,  0.25585938, -0.00212097,  0.12158203,
         0.18945312, -0.18945312,  0.00242615, -0.19628906, -0.04663086,
         0.2265625 , -0.19726562, -0.04980469,  0.06884766,  0.25390625,
         0.00747681, -0.02368164,  0.03637695,  0.03930664,  0.08398438,
        -0.08886719, -0.47460938,  0.12792969,  0.01782227, -0.18652344,
        -0.08789062,  0.00872803,  0.11181641, -0.24316406,  0.08935547,
        -0.0402832 ,  0.15625   ,  0.02807617, -0.14355469, -0.15722656,
         0.08007812, -0.19238281, -0.01660156,  0.18261719, -0.05981445,
        -0.14257812, -0.00512695, -0.1796875 ,  0.12353516, -0.05517578,
        -0.01544189,  0.01879883,  0.00964355, -0.12402344,  0.07568359,
         0.08544922, -0.07226562,  0.08300781, -0.02075195,  0.01647949,
        -0.17675781,  0.21289062,  0.28125   , -0.16113281,  0.23046875,
         0.11083984, -0.22949219,  0.00436401, -0.11181641,  0.20019531,
        -0.21386719, -0.19335938,  0.03857422, -0.09130859, -0.07519531,
         0.00524902, -0.1640625 ,  0.08203125,  0.14648438, -0.2109375 ,
         0.08984375, -0.20410156,  0.02380371,  0.19726562,  0.06835938,
        -0.15429688, -0.11523438, -0.28515625,  0.00976562, -0.03808594,
        -0.07666016, -0.00653076,  0.11474609,  0.05175781, -0.04418945],
       dtype=float32),
 'autism': array([-0.05029297, -0.00897217, -0.23046875,  0.39257812, -0.25
,
         0.11523438,  0.34179688,  0.08935547,  0.38671875, -0.31445312,
         0.27734375,  0.01257324, -0.23144531, -0.16308594, -0.12695312,
         0.41015625,  0.20507812,  0.48242188,  0.00180817,  0.06396484,
         0.13378906,  0.06079102,  0.41015625, -0.0703125 , -0.25976562,
        -0.15820312,  0.16894531,  0.07617188,  0.01745605, -0.06079102,
        -0.33789062, -0.00312805, -0.21191406, -0.18945312, -0.08984375,
        -0.3203125 , -0.09375   , -0.00078964, -0.08105469,  0.07226562,
        -0.0402832 ,  0.20117188, -0.49414062,  0.109375  , -0.00582886,
        -0.2109375 ,  0.17285156,  0.31640625, -0.41601562, -0.06054688,
         0.09863281,  0.08837891, -0.65625   , -0.01239014,  0.28320312,
```

```
        -0.03637695, -0.27148438, -0.17675781, -0.2734375 , -0.18359375,
         0.11621094,  0.4296875 ,  0.3203125 , -0.30273438, -0.00891113,
        -0.01263428, -0.13574219,  0.11865234,  0.05908203,  0.39648438,
        -0.03173828, -0.28125   , -0.05932617, -0.08349609, -0.21972656,
         0.15625   ,  0.28710938, -0.06542969, -0.11572266,  0.13476562,
        -0.14257812, -0.00344849, -0.18457031, -0.12890625, -0.06542969,
        -0.16601562,  0.171875  ,  0.01293945, -0.2265625 , -0.31640625,
        -0.05517578, -0.31835938, -0.20898438, -0.22363281,  0.02856445,
        -0.10839844,  0.35546875,  0.17089844,  0.01385498,  0.3203125 ,
         0.13183594,  0.04174805, -0.05200195,  0.01397705, -0.01208496,
        -0.16503906, -0.00276184,  0.12451172,  0.19335938, -0.25390625,
        -0.22949219, -0.03613281, -0.01019287, -0.07421875,  0.25976562,
        -0.00872803,  0.03125   ,  0.02319336, -0.17675781, -0.140625  ,
         0.03051758, -0.0625    , -0.02148438, -0.05151367, -0.10986328,
        -0.21972656, -0.14453125,  0.12988281, -0.26757812,  0.27148438,
         0.17773438, -0.4609375 , -0.16308594,  0.01068115, -0.32617188,
         0.04663086,  0.38671875,  0.07861328, -0.02087402,  0.17382812,
         0.18457031, -0.07324219, -0.36328125, -0.02612305,  0.0378418 ,
         0.29296875, -0.04980469,  0.10498047, -0.109375  ,  0.03857422,
         0.23828125, -0.16503906, -0.22460938, -0.00299072, -0.10302734,
         0.03735352,  0.11279297, -0.38085938, -0.0189209 , -0.28710938,
        -0.19433594,  0.06201172,  0.421875  ,  0.16894531, -0.17871094,
        -0.1328125 ,  0.02587891, -0.11669922,  0.0378418 ,  0.22460938,
         0.18652344,  0.11865234, -0.20507812, -0.0390625 ,  0.17480469,
         0.3203125 , -0.10693359,  0.01855469, -0.20507812,  0.1484375 ,
         0.02478027, -0.09228516, -0.31835938,  0.09619141, -0.01550293,
        -0.012146  , -0.04101562, -0.2109375 , -0.08740234, -0.02160645,
        -0.08447266, -0.01904297, -0.15917969, -0.64453125,  0.24121094,
         0.10742188,  0.04248047, -0.3125    ,  0.10058594, -0.14746094,
        -0.3671875 , -0.24804688, -0.04101562, -0.3515625 ,  0.00616455,
        -0.21679688,  0.24902344, -0.14746094,  0.46289062,  0.24804688,
        -0.22363281, -0.28515625,  0.34179688, -0.18652344, -0.06225586,
        -0.08496094,  0.40625   ,  0.10742188, -0.15625   , -0.6875    ,
        -0.16113281, -0.13378906,  0.578125  , -0.04956055, -0.23046875,
        -0.19921875, -0.21582031,  0.0291748 , -0.10742188,  0.15722656,
         0.33789062,  0.12597656,  0.1015625 ,  0.11523438, -0.46484375,
        -0.04174805,  0.12060547, -0.03491211,  0.26757812, -0.19238281,
         0.03662109, -0.42773438,  0.203125  ,  0.01287842, -0.08105469,
         0.35742188,  0.10546875,  0.29882812, -0.00097275, -0.32226562,
         0.16308594, -0.4375    , -0.03613281,  0.12402344,  0.16210938,
        -0.15136719,  0.1484375 ,  0.16601562, -0.25      ,  0.05541992,
        -0.546875  ,  0.12695312, -0.11767578, -0.1328125 , -0.00473022,
         0.33203125,  0.11230469, -0.18066406, -0.31054688,  0.10791016,
        -0.33398438,  0.20898438, -0.0112915 , -0.03100586,  0.17578125,
         0.08886719,  0.24902344, -0.00747681,  0.29882812, -0.09130859,
         0.26757812, -0.06591797, -0.22949219,  0.36132812, -0.19824219,
        -0.49609375,  0.10595703, -0.24023438,  0.23828125,  0.23339844,
         0.29296875, -0.19335938, -0.14160156,  0.06835938,  0.21679688,
         0.08691406, -0.01452637,  0.453125  ,  0.16796875, -0.03540039],
       dtype=float32),
 'headquartered': array([ 0.11621094, -0.24023438,  0.15820312, -0.1000976
6,  0.00315857,
         0.47265625, -0.03369141, -0.16894531,  0.28710938,  0.33789062,
        -0.42382812,  0.08544922, -0.22460938, -0.19726562, -0.18554688,
        -0.3359375 , -0.3203125 , -0.1328125 , -0.59765625,  0.1015625 ,
        -0.12207031,  0.02807617, -0.23144531, -0.01977539, -0.45117188,
        -0.19042969,  0.13476562,  0.0546875 , -0.00297546, -0.8046875 ,
         0.14648438, -0.21875   , -0.02648926, -0.09863281,  0.09277344,
        -0.16015625,  0.12158203, -0.22851562,  0.08789062, -0.0177002 ,
        -0.01733398,  0.12988281, -0.22753906,  0.02197266, -0.37890625,
        -0.21582031, -0.13476562, -0.09863281, -0.21679688,  0.640625  ,
         0.11621094,  0.03393555,  0.53125   , -0.24804688, -0.17773438,
         0.03710938, -0.609375  , -0.4609375 ,  0.15820312, -0.19335938,
         0.24804688, -0.31445312, -0.171875  , -0.06298828, -0.3125    ,
```

```
         0.14550781, -0.49414062,  0.296875  ,  0.33398438, -0.1796875 ,
         0.2421875 , -0.07421875, -0.18554688,  0.14550781,  0.00726318,
         0.13378906, -0.3046875 , -0.3828125 ,  0.33398438, -0.1640625 ,
         0.1640625 , -0.46875   , -0.11328125,  0.25585938, -0.27929688,
        -0.27929688, -0.01098633, -0.08447266,  0.20214844, -0.04516602,
         0.43554688, -0.171875  , -0.12207031,  0.05908203, -0.26757812,
         0.3984375 , -0.0045166 , -0.171875  , -0.02368164, -0.33398438,
        -0.13085938,  0.18847656,  0.00198364,  0.33007812,  0.17871094,
        -0.48242188, -0.08789062,  0.39648438, -0.12255859,  0.078125  ,
        -0.27539062, -0.2734375 , -0.46679688, -0.12597656, -0.03930664,
         0.30273438, -0.18261719,  0.43164062,  0.45703125, -0.09228516,
         0.29296875, -0.15234375, -0.16699219,  0.38671875, -0.2890625 ,
         0.03393555, -0.41992188, -0.04614258,  0.18652344,  0.390625  ,
         0.18945312, -0.1328125 ,  0.30664062, -0.13769531, -0.14355469,
        -0.0402832 ,  0.20898438,  0.16015625, -0.36914062,  0.19921875,
        -0.05541992, -0.19824219,  0.18554688, -0.35351562, -0.07666016,
        -0.04736328, -0.46484375,  0.21679688,  0.21484375, -0.16601562,
         0.359375  ,  0.40820312,  0.03930664, -0.02319336, -0.50390625,
        -0.5234375 , -0.20703125,  0.23730469,  0.25585938, -0.05493164,
         0.37890625,  0.2109375 ,  0.21679688, -0.13769531,  0.22460938,
        -0.17675781, -0.2890625 , -0.16308594, -0.12402344, -0.04516602,
         0.06494141, -0.24804688,  0.55078125, -0.32617188, -0.12792969,
        -0.08691406, -0.29296875, -0.22363281, -0.55859375, -0.51953125,
        -0.48632812, -0.11523438, -0.171875  ,  0.05004883, -0.5234375 ,
        -0.05004883,  0.3671875 ,  0.20507812, -0.30078125,  0.09179688,
        -0.265625  ,  0.20019531, -0.10888672, -0.42578125, -0.578125  ,
         0.41992188, -0.24902344, -0.21484375,  0.4453125 , -0.69140625,
        -0.02563477,  0.46875   ,  0.21289062,  0.4140625 , -0.01879883,
        -0.31054688,  0.38867188,  0.05639648,  0.25585938, -0.43945312,
         0.29882812, -0.10742188, -0.15527344,  0.58203125,  0.25390625,
        -0.00585938, -0.25390625, -0.13964844,  0.02880859,  0.10546875,
        -0.02526855,  0.01550293, -0.24804688,  0.15625   , -0.17675781,
         0.13476562, -0.00518799, -0.5234375 , -0.23535156,  0.10009766,
         0.14453125, -0.09521484,  0.02941895,  0.06835938, -0.24707031,
         0.203125  , -0.29101562, -0.25976562,  0.03857422, -0.01391602,
        -0.1875    , -0.25390625, -0.07324219,  0.10253906, -0.265625  ,
        -0.31054688, -0.10791016,  0.38085938, -0.02612305, -0.40820312,
        -0.05151367, -0.4296875 ,  0.10888672, -0.02355957,  0.34375   ,
         0.09960938, -0.19726562, -0.18261719, -0.17578125,  0.32617188,
        -0.2578125 , -0.10839844,  0.3828125 ,  0.21582031,  0.14746094,
         0.36328125,  0.13183594, -0.13671875, -0.19042969, -0.03955078,
        -0.33398438,  0.11767578,  0.06787109, -0.671875  ,  0.22460938,
        -0.21191406, -0.48632812,  0.390625  , -0.18652344, -0.13378906,
        -0.41992188,  0.08251953, -0.109375  ,  0.5       , -0.24316406,
         0.15429688,  0.08935547, -0.24511719,  0.29882812, -0.13476562,
        -0.3359375 , -0.11083984, -0.25      ,  0.60546875,  0.15234375,
        -0.375     ,  0.18652344,  0.11621094,  0.41796875, -0.359375  ],
       dtype=float32),
 'massachusetts': array([-9.22851562e-02,  2.74658203e-04, -1.60156250e-01,
2.34375000e-01,
         1.69677734e-02, -8.10546875e-02, -1.33789062e-01, -5.10253906e-02,
        -1.23046875e-01, -8.20312500e-02, -2.69531250e-01, -2.50000000e-01,
        -2.75390625e-01, -1.34765625e-01,  4.78515625e-02,  2.28515625e-01,
         4.91333008e-03,  2.98828125e-01,  1.18408203e-02, -1.04003906e-01,
         4.60815430e-03, -6.64062500e-02,  2.68554688e-02, -7.81250000e-03,
        -4.70703125e-01,  8.20312500e-02, -3.44238281e-02,  3.78906250e-01,
         6.59179688e-02,  8.64257812e-02,  1.65039062e-01,  3.27148438e-02,
        -1.07421875e-02, -9.17968750e-02,  1.37695312e-01, -1.77734375e-01,
        -2.29492188e-01,  1.47460938e-01,  1.37695312e-01,  5.98144531e-02,
         9.33837891e-03,  2.99072266e-02,  2.71484375e-01,  2.05078125e-02,
        -7.32421875e-02,  1.03027344e-01,  2.46093750e-01,  1.58691406e-02,
        -1.99218750e-01,  2.77099609e-02, -8.54492188e-02, -1.00097656e-01,
         1.48925781e-02,  2.03857422e-02, -2.71484375e-01,  2.20703125e-01,
        -2.04101562e-01, -2.29492188e-01, -8.64257812e-02, -4.05273438e-02,
```

```
        -1.03515625e-01, -1.49414062e-01, -5.39550781e-02, -1.77734375e-01,
         8.72802734e-03, -3.16406250e-01, -1.07421875e-01, -9.57031250e-02,
        -9.27734375e-02,  6.78710938e-02,  2.23388672e-02,  2.81250000e-01,
        -1.09863281e-01, -3.03955078e-02, -4.46777344e-02,  6.49414062e-02,
         9.42382812e-02, -1.78710938e-01, -5.49316406e-02,  3.27148438e-02,
        -1.40625000e-01, -8.44726562e-02, -3.93066406e-02, -2.50000000e-01,
         1.66992188e-01,  1.80664062e-01,  8.34960938e-02,  2.62451172e-02,
         4.29687500e-02, -1.80053711e-03, -2.00195312e-01, -5.00488281e-02,
        -7.41577148e-03,  1.17675781e-01, -1.76757812e-01,  3.37890625e-01,
        -5.32226562e-02, -3.97949219e-02,  2.51953125e-01,  1.93359375e-01,
        -2.22656250e-01, -8.88671875e-02,  2.71484375e-01,  2.97851562e-02,
        -3.00292969e-02,  8.25195312e-02, -1.02539062e-01,  1.68945312e-01,
        -1.73339844e-02, -2.10937500e-01, -2.98828125e-01, -2.07031250e-01,
        -5.85937500e-02,  2.75878906e-02,  1.26953125e-01, -1.28784180e-02,
         7.86132812e-02, -6.17675781e-02,  2.28515625e-01, -5.20019531e-02,
        -1.47460938e-01, -1.66015625e-02,  3.19824219e-02,  2.50244141e-02,
         1.81640625e-01,  1.23046875e-01,  9.57031250e-02,  2.71484375e-01,
         1.63085938e-01,  7.56835938e-02, -1.70898438e-02, -1.85546875e-01,
         8.34960938e-02,  3.32031250e-01, -1.75781250e-02,  1.30859375e-01,
        -2.77343750e-01, -1.62109375e-01,  1.62109375e-01, -3.56445312e-02,
         1.73828125e-01, -2.19726562e-01, -1.29882812e-01,  6.73828125e-02,
        -1.26953125e-01, -3.22265625e-01, -9.76562500e-02, -7.81250000e-02,
        -7.66601562e-02,  3.72314453e-03,  4.45312500e-01, -3.76953125e-01,
        -1.38671875e-01,  7.12890625e-02, -8.39843750e-02, -4.19921875e-01,
        -1.89453125e-01,  2.98828125e-01, -3.29589844e-02,  2.06054688e-01,
        -2.01171875e-01, -1.25000000e-01, -8.20312500e-02, -2.72216797e-02,
         1.24023438e-01, -2.47070312e-01,  4.24804688e-02,  1.74560547e-02,
        -2.59765625e-01,  1.67236328e-02, -4.27734375e-01,  6.93359375e-02,
        -1.58203125e-01, -5.51757812e-02,  4.54711914e-03, -6.34765625e-02,
         1.70898438e-01, -3.24218750e-01,  1.17187500e-01, -5.90820312e-02,
        -5.22460938e-02, -3.43750000e-01, -3.00781250e-01,  6.07910156e-02,
         1.16699219e-01,  2.16796875e-01, -2.11914062e-01,  8.30078125e-02,
         2.44140625e-01,  6.98242188e-02,  2.24609375e-01,  1.29882812e-01,
        -1.75781250e-01,  8.00781250e-02,  1.08886719e-01,  3.75000000e-01,
        -2.07519531e-02, -1.08398438e-01,  2.94189453e-02,  3.11279297e-02,
        -1.65039062e-01,  2.71484375e-01,  9.86328125e-02, -2.59765625e-01,
        -1.77734375e-01, -2.72216797e-02,  3.04687500e-01, -9.91210938e-02,
         2.86865234e-02,  8.74023438e-02,  2.27050781e-02,  4.29687500e-02,
        -1.43554688e-01, -2.69531250e-01, -1.32812500e-01, -3.14941406e-02,
         8.44726562e-02, -9.61914062e-02,  6.34765625e-02, -7.32421875e-02,
         8.78906250e-02, -1.78710938e-01,  2.53906250e-01, -1.13769531e-01,
        -1.37695312e-01, -3.19824219e-02,  8.39843750e-02,  2.91015625e-01,
        -1.04980469e-01, -1.05957031e-01,  2.02148438e-01, -3.28125000e-01,
         1.40625000e-01, -1.46484375e-01,  1.30859375e-01,  2.27539062e-01,
        -4.00390625e-02,  4.80957031e-02, -2.50244141e-03,  1.49414062e-01,
         1.74804688e-01, -2.26562500e-01,  4.10156250e-02,  2.41210938e-01,
        -8.15429688e-02,  3.63769531e-02,  8.15429688e-02,  1.69921875e-01,
        -1.78710938e-01,  1.47094727e-02,  1.81640625e-01,  3.27148438e-02,
         2.18750000e-01,  1.46484375e-01,  1.33789062e-01, -3.75000000e-01,
        -2.08984375e-01,  1.20117188e-01,  8.15429688e-02,  3.68652344e-02,
         1.81640625e-01,  8.34960938e-02,  3.00781250e-01, -2.20703125e-01,
         2.09960938e-02,  2.30468750e-01,  1.63085938e-01, -3.32031250e-02,
         1.12792969e-01, -6.34765625e-02, -2.97851562e-02, -2.77343750e-01,
        -4.90722656e-02, -1.31835938e-01,  2.96630859e-02, -1.05957031e-01,
        -1.46484375e-01, -3.53515625e-01, -1.17187500e-01,  3.94531250e-01,
        -5.90820312e-02,  1.64062500e-01,  1.12304688e-01,  1.54296875e-01,
        -2.08984375e-01, -2.75390625e-01, -2.91015625e-01, -2.16064453e-02,
        -8.44726562e-02, -1.54296875e-01,  9.71679688e-02,  1.23046875e-01,
         3.80859375e-02, -7.93457031e-03,  1.08886719e-01, -3.18359375e-01,
        -6.98852539e-03, -1.68457031e-02, -3.14453125e-01,  1.26953125e-0
1],
       dtype=float32),
 'clinical': array([-4.02343750e-01,  2.49023438e-01, -8.98437500e-02,  6.4
4531250e-02,
```

```
 1.45507812e-01,  9.13085938e-02,  1.69921875e-01, -2.08984375e-01,
 1.42578125e-01, -1.25976562e-01, -2.13867188e-01, -9.32617188e-02,
 1.44531250e-01,  3.92578125e-01, -1.90429688e-01,  2.65625000e-01,
 1.25976562e-01,  1.78710938e-01, -1.01562500e-01,  1.09863281e-01,
 5.06591797e-03, -1.16210938e-01,  1.19628906e-02,  1.66992188e-01,
-8.54492188e-02,  4.49218750e-02, -2.50000000e-01,  1.25000000e-01,
-1.12792969e-01,  1.30859375e-01, -2.63671875e-02,  7.61718750e-02,
-1.52587891e-02, -2.77343750e-01, -4.23828125e-01, -1.39648438e-01,
-9.47265625e-02,  2.69531250e-01,  2.97851562e-02, -2.75390625e-01,
-1.72119141e-02,  8.44726562e-02, -6.17675781e-02,  1.55273438e-01,
-1.37695312e-01, -1.86523438e-01,  1.55273438e-01,  4.93164062e-02,
 1.05957031e-01,  1.90429688e-01, -4.66308594e-02,  2.07519531e-02,
-2.49023438e-01, -1.87500000e-01,  1.84570312e-01, -1.67968750e-01,
 1.21582031e-01, -1.64062500e-01,  2.15820312e-01,  6.98852539e-03,
-5.23437500e-01, -9.08203125e-02,  2.73437500e-01, -2.85156250e-01,
-2.75878906e-02,  2.25585938e-01,  3.93676758e-03,  1.38671875e-01,
-1.70898438e-01, -3.10546875e-01, -5.95703125e-02, -2.15820312e-01,
 4.85839844e-02, -2.46093750e-01, -1.57226562e-01,  9.17968750e-02,
 7.35473633e-03, -2.34375000e-01,  3.53515625e-01,  1.94335938e-01,
-3.76953125e-01,  1.99218750e-01, -5.05371094e-02,  6.39648438e-02,
 4.02343750e-01, -8.93554688e-02, -1.65039062e-01,  1.06201172e-02,
-2.25585938e-01,  2.28271484e-02,  1.08886719e-01, -3.86718750e-01,
 6.10351562e-02,  8.39843750e-02,  4.80957031e-02, -2.36328125e-01,
 2.94921875e-01,  1.16577148e-02, -5.85937500e-02, -6.78710938e-02,
 6.00585938e-02, -2.77343750e-01,  5.71289062e-02,  5.81054688e-02,
 2.01171875e-01, -3.54003906e-02, -1.05468750e-01,  1.70898438e-01,
 4.25781250e-01,  2.33398438e-01,  1.17187500e-01,  1.94335938e-01,
-1.44531250e-01, -9.47265625e-02,  1.70898438e-01, -1.58203125e-01,
-1.51367188e-01, -1.74804688e-01,  5.07812500e-01, -1.05468750e-01,
-1.25000000e-01, -3.88671875e-01, -4.98046875e-02,  4.32128906e-02,
 1.13769531e-01,  1.11816406e-01, -2.15820312e-01, -1.48437500e-01,
-1.61132812e-01,  9.32617188e-02, -5.85937500e-02, -2.13867188e-01,
 1.10473633e-02, -3.53515625e-01, -1.07421875e-01, -2.04101562e-01,
 7.03125000e-02,  2.14843750e-01,  3.08593750e-01, -4.83398438e-02,
-3.30078125e-01, -9.22851562e-02,  2.08007812e-01,  1.93359375e-01,
 2.86865234e-02,  8.34960938e-02,  9.22851562e-02,  2.89062500e-01,
-1.78710938e-01, -1.33789062e-01,  3.57421875e-01, -1.37695312e-01,
 9.15527344e-03,  1.86523438e-01, -8.72802734e-03, -8.34960938e-02,
-1.28906250e-01, -2.38281250e-01,  7.22656250e-02,  8.44726562e-02,
-8.54492188e-02, -1.20849609e-02,  1.45507812e-01,  3.28125000e-01,
-2.13867188e-01, -6.78710938e-02,  2.57568359e-02,  1.80664062e-02,
-3.61328125e-02, -3.37890625e-01,  2.39257812e-01, -2.07031250e-01,
-4.44335938e-02, -9.96093750e-02,  2.36328125e-01, -5.68847656e-02,
-9.71679688e-02, -7.32421875e-02,  1.99890137e-03, -2.65625000e-01,
-1.57226562e-01,  1.09863281e-01,  1.53320312e-01, -2.36328125e-01,
-2.85156250e-01,  4.41894531e-02, -1.59179688e-01, -3.90625000e-02,
 5.63964844e-02, -3.83300781e-02, -2.69531250e-01, -5.44433594e-02,
-1.06201172e-02, -1.44531250e-01,  9.42382812e-02, -1.00585938e-01,
 2.37304688e-01, -9.96093750e-02,  7.87353516e-03, -1.03515625e-01,
-1.43554688e-01, -1.83105469e-02,  8.44726562e-02,  1.59179688e-01,
-2.17773438e-01, -2.51953125e-01,  3.35937500e-01, -1.15722656e-01,
 2.67578125e-01, -1.20117188e-01, -2.01171875e-01, -2.39257812e-01,
-1.92382812e-01,  1.26953125e-02, -2.89916992e-03, -2.46093750e-01,
 6.64062500e-02, -4.32128906e-02, -2.72216797e-02, -1.36718750e-01,
-1.92382812e-01,  2.69531250e-01,  3.69140625e-01, -3.14453125e-01,
 1.32812500e-01, -5.37109375e-02, -8.34960938e-02, -2.96875000e-01,
-2.63671875e-02,  4.73022461e-03,  1.01074219e-01,  1.52343750e-01,
 5.02929688e-02, -8.64257812e-02, -4.02343750e-01, -2.91015625e-01,
-9.58251953e-03,  4.29687500e-01, -4.33349609e-03, -4.54101562e-02,
 1.60156250e-01, -1.77734375e-01,  2.92968750e-01, -2.26562500e-01,
-4.04296875e-01, -1.79290771e-03,  4.83398438e-02,  2.10937500e-01,
-3.35937500e-01, -2.12890625e-01,  6.54296875e-02, -1.11816406e-01,
 2.15820312e-01,  2.79296875e-01, -2.09960938e-02,  1.04492188e-01,
-2.96630859e-02,  6.93359375e-02, -1.07421875e-01,  5.90820312e-02,
```

```
        -5.83496094e-02,  2.81982422e-02, -1.41601562e-01, -1.02539062e-01,
        -2.35351562e-01, -8.34960938e-02,  1.42578125e-01, -2.81250000e-01,
        -3.00781250e-01, -5.68847656e-02,  7.32421875e-02, -3.01361084e-04,
        -1.66992188e-01, -2.35351562e-01,  9.71679688e-02,  1.94335938e-01,
        -1.14257812e-01,  7.61718750e-02,  2.41210938e-01,  1.50390625e-01,
         1.70898438e-01,  1.10351562e-01,  2.77099609e-02,  7.66601562e-02,
        -2.65625000e-01, -9.33837891e-03,  4.58984375e-02, -1.34765625e-01,
         2.69531250e-01, -2.63671875e-02, -8.54492188e-02,  9.13085938e-02,
        -1.34765625e-01,  4.14062500e-01, -8.83789062e-02,  1.63085938e-01,
         1.69921875e-01, -2.35595703e-02,  2.48046875e-01,  3.18359375e-0
1],
       dtype=float32),
 'highly': array([ 5.07812500e-02, -2.27539062e-01, -1.30859375e-01,  6.250
00000e-02,
        -1.65039062e-01,  1.18652344e-01, -2.30468750e-01, -2.25585938e-01,
         2.45117188e-01, -8.69140625e-02,  2.08007812e-01, -1.82617188e-01,
         1.02050781e-01, -1.89208984e-02,  7.66601562e-02,  1.71875000e-01,
        -3.84765625e-01,  7.42187500e-02, -1.84570312e-01,  2.23632812e-01,
         2.07031250e-01, -1.67968750e-01,  9.81445312e-02,  1.97753906e-02,
        -2.88391113e-03, -2.59765625e-01,  2.86865234e-02,  1.10351562e-01,
        -2.09960938e-01,  7.76367188e-02, -3.41796875e-02,  1.28906250e-01,
        -6.68334961e-03,  2.37304688e-01,  8.78906250e-02,  4.78515625e-02,
        -4.49218750e-02, -5.07812500e-02, -7.37304688e-02, -3.08593750e-01,
         9.42382812e-02, -1.04980469e-01, -1.67236328e-02,  2.67578125e-01,
        -2.46093750e-01,  1.15722656e-01, -8.82148743e-05,  3.49121094e-02,
        -5.20019531e-02, -4.88281250e-02,  1.22558594e-01,  1.10351562e-01,
        -2.15820312e-01, -4.46777344e-02,  2.25585938e-01,  2.00195312e-01,
         3.97949219e-02, -7.61718750e-02, -5.46875000e-02,  6.49414062e-02,
        -1.74804688e-01,  3.83300781e-02, -1.95312500e-01, -1.06445312e-01,
        -3.73046875e-01,  6.03027344e-02, -9.32617188e-02,  1.56250000e-01,
        -9.42382812e-02,  2.33398438e-01, -1.13281250e-01,  1.89208984e-02,
         1.97753906e-02, -2.16796875e-01,  7.17773438e-02, -2.88085938e-02,
         2.17773438e-01,  1.39648438e-01,  2.79541016e-02,  1.68945312e-01,
         2.23632812e-01, -5.51757812e-02,  3.18359375e-01, -1.09863281e-01,
        -6.16455078e-03, -6.25000000e-02, -2.61718750e-01,  1.72851562e-01,
         1.55273438e-01, -1.55273438e-01,  1.18408203e-02,  2.50244141e-02,
        -2.08007812e-01,  7.51953125e-02,  3.18359375e-01, -1.85546875e-01,
        -1.40625000e-01, -3.36914062e-02,  1.70898438e-01, -3.46679688e-02,
         3.86047363e-03, -1.53320312e-01, -7.66601562e-02,  1.35742188e-01,
        -6.44531250e-02,  1.41601562e-01,  1.63574219e-02, -1.43554688e-01,
        -8.00781250e-02, -2.87109375e-01,  2.92968750e-01,  1.26953125e-01,
        -1.45507812e-01, -9.03320312e-02,  2.96875000e-01,  4.12597656e-02,
        -1.77734375e-01, -2.31445312e-01,  2.75390625e-01,  6.29882812e-02,
        -3.10058594e-02,  1.33789062e-01,  2.24609375e-01, -5.02929688e-02,
        -5.76171875e-02,  1.04492188e-01, -8.83789062e-02, -4.95605469e-02,
         1.72851562e-01,  1.52343750e-01,  1.33789062e-01,  4.29687500e-02,
         9.66796875e-02, -5.85937500e-02, -3.24218750e-01, -3.17382812e-02,
         3.41796875e-01, -1.68945312e-01,  6.82830811e-04,  1.53320312e-01,
        -1.26953125e-01, -1.86523438e-01,  1.12792969e-01,  5.88378906e-02,
         1.65039062e-01,  6.44531250e-02,  6.78710938e-02,  3.80859375e-02,
        -1.15234375e-01,  2.12890625e-01,  3.88183594e-02,  5.29785156e-02,
        -1.20117188e-01, -8.25195312e-02,  3.58886719e-02, -1.40625000e-01,
         4.63867188e-02,  2.17773438e-01,  1.45263672e-02, -1.55273438e-01,
        -6.00585938e-02, -1.00708008e-03,  5.88378906e-02,  1.35742188e-01,
        -5.56640625e-02, -6.17675781e-02,  4.05273438e-02, -1.07421875e-01,
        -2.29492188e-01,  1.02050781e-01, -1.49414062e-01, -7.91015625e-02,
        -7.50732422e-03, -1.18164062e-01,  5.17578125e-02, -1.61132812e-01,
        -1.74804688e-01, -4.76074219e-02, -1.90429688e-01, -1.66992188e-01,
         1.25976562e-01, -2.81250000e-01,  6.93359375e-02, -5.12695312e-02,
        -2.11914062e-01,  1.33789062e-01, -6.03027344e-02,  5.68847656e-02,
        -3.97949219e-02,  1.97265625e-01, -2.65625000e-01, -7.42187500e-02,
         1.21093750e-01, -2.55859375e-01,  5.78613281e-02, -2.21679688e-01,
        -1.46484375e-01,  1.25000000e-01,  6.78710938e-02, -8.25195312e-02,
         1.28906250e-01,  1.85546875e-01,  1.37939453e-02,  1.24023438e-01,
```

```
        -9.32617188e-02, -1.85546875e-01, -4.85839844e-02, -1.26342773e-02,
        -6.54296875e-02, -2.30468750e-01,  5.15136719e-02, -1.91650391e-02,
         1.84570312e-01,  1.69921875e-01, -2.92968750e-03,  1.21093750e-01,
         2.55859375e-01,  1.90429688e-02, -5.27343750e-02,  7.27539062e-02,
        -4.34570312e-02, -2.63671875e-02, -4.23828125e-01,  5.98144531e-02,
         2.38281250e-01,  3.51562500e-02,  2.50244141e-02, -2.87109375e-01,
         2.51953125e-01, -2.02636719e-02,  1.47705078e-02, -5.73730469e-02,
         1.61132812e-01, -2.50000000e-01,  6.39648438e-02, -2.51953125e-01,
        -2.31445312e-01, -1.67968750e-01,  1.04492188e-01, -9.42382812e-02,
        -1.59179688e-01,  6.17675781e-02, -3.51562500e-02, -2.09960938e-01,
         7.86132812e-02,  9.32617188e-02, -9.52148438e-02, -5.07812500e-02,
        -2.96875000e-01,  1.94335938e-01, -2.95410156e-02, -8.88671875e-02,
         4.29687500e-02,  8.44726562e-02,  1.83593750e-01,  2.36328125e-01,
        -6.05468750e-02,  1.37695312e-01,  4.19921875e-02,  8.69140625e-02,
         2.94921875e-01, -1.22070312e-01, -8.64257812e-02,  1.95312500e-01,
        -1.32812500e-01,  3.37890625e-01,  3.51562500e-02, -2.10937500e-01,
        -5.15136719e-02,  1.85546875e-01, -1.95312500e-01,  3.44238281e-02,
        -5.00488281e-03,  1.75781250e-01,  1.96289062e-01,  1.41601562e-01,
        -6.98242188e-02,  6.44531250e-02, -1.11328125e-01,  1.71875000e-01,
         1.93359375e-01,  1.39648438e-01,  9.09423828e-03,  1.19628906e-01,
         8.78906250e-02,  4.17480469e-02, -2.96875000e-01, -2.85156250e-01,
        -6.78710938e-02, -4.85839844e-02, -1.37329102e-02, -1.34887695e-02,
         1.75781250e-01,  2.26562500e-01,  8.69140625e-02, -2.10937500e-01,
        -1.11816406e-01, -5.66406250e-02,  1.02539062e-01,  7.47070312e-0
2],
       dtype=float32),
 'experienced': array([-0.18945312,  0.17578125, -0.19824219, -0.07177734,
-0.09619141,
         0.03710938, -0.07666016, -0.09667969,  0.09716797,  0.21191406,
         0.04663086,  0.07470703, -0.03442383, -0.11376953,  0.26953125,
         0.10253906, -0.09179688,  0.22460938,  0.13671875,  0.00582886,
        -0.03955078,  0.23046875, -0.12158203, -0.22949219,  0.01519775,
        -0.02233887, -0.00552368,  0.15625   , -0.171875  ,  0.08691406,
         0.10888672, -0.07617188, -0.07958984, -0.08984375,  0.07177734,
         0.07861328, -0.22167969, -0.07617188, -0.0201416 , -0.07324219,
         0.22851562, -0.07470703, -0.07080078,  0.12158203, -0.06884766,
        -0.02233887, -0.23535156, -0.05883789, -0.08837891, -0.23828125,
        -0.13378906, -0.11523438, -0.4609375 ,  0.09863281,  0.07177734,
         0.1953125 ,  0.11669922,  0.08837891,  0.02124023, -0.01177979,
        -0.02355957, -0.08203125, -0.19140625, -0.08349609, -0.04492188,
         0.05151367, -0.11621094, -0.04077148,  0.00167084,  0.01843262,
         0.06445312, -0.11572266,  0.15234375, -0.09667969, -0.09179688,
        -0.11865234,  0.13183594,  0.0534668 , -0.16015625,  0.22167969,
         0.09960938,  0.0703125 ,  0.05249023, -0.10986328, -0.0234375 ,
        -0.25390625, -0.12792969,  0.04345703,  0.15820312,  0.00915527,
         0.13769531, -0.13183594, -0.15820312,  0.20507812,  0.07958984,
        -0.24707031, -0.01586914,  0.19042969,  0.02246094, -0.21191406,
         0.03112793, -0.06005859, -0.29101562,  0.34375   ,  0.27929688,
        -0.27929688,  0.23535156, -0.14648438,  0.12597656, -0.27734375,
         0.05737305, -0.01153564, -0.08398438,  0.03515625, -0.15429688,
         0.04370117,  0.01818848, -0.1328125 ,  0.1953125 , -0.17578125,
        -0.29101562,  0.05981445, -0.00305176, -0.07714844,  0.02819824,
         0.23828125,  0.00524902, -0.20605469,  0.18847656,  0.34179688,
        -0.03930664, -0.08837891, -0.42578125,  0.171875  ,  0.12695312,
        -0.28320312, -0.04614258,  0.20019531, -0.00102234,  0.19335938,
        -0.31835938, -0.16699219, -0.01025391,  0.14746094,  0.24023438,
        -0.12695312,  0.07275391,  0.01464844, -0.10302734, -0.20605469,
         0.12158203,  0.11279297, -0.02929688,  0.17480469, -0.18457031,
        -0.04711914, -0.13769531,  0.04394531, -0.00273132, -0.26953125,
         0.28320312,  0.04248047, -0.07080078, -0.04443359,  0.09082031,
        -0.0859375 , -0.11035156, -0.18066406, -0.01196289, -0.08154297,
        -0.20800781, -0.09570312, -0.11669922, -0.2109375 ,  0.10449219,
        -0.19921875,  0.02783203,  0.11816406,  0.09082031, -0.20410156,
         0.19628906,  0.03710938, -0.00119019,  0.13085938, -0.24902344,
```

```
         0.02685547,  0.046875  , -0.18457031, -0.05786133,  0.09472656,
        -0.13769531, -0.05371094,  0.0703125 , -0.12792969, -0.14941406,
         0.12304688,  0.01843262,  0.06542969, -0.16308594, -0.328125  ,
         0.15917969,  0.29296875, -0.05126953, -0.08984375, -0.09619141,
        -0.17382812, -0.19238281, -0.3671875 ,  0.09765625,  0.02355957,
        -0.03637695,  0.18652344, -0.10107422, -0.04150391,  0.10107422,
        -0.43554688, -0.06982422, -0.24316406, -0.07128906, -0.17382812,
         0.21191406,  0.15625   ,  0.03393555,  0.10351562,  0.04418945,
        -0.09277344,  0.25      , -0.19921875, -0.18066406, -0.0006485 ,
        -0.10351562,  0.203125  ,  0.05957031, -0.08837891, -0.13476562,
         0.24414062,  0.1640625 , -0.14648438, -0.11083984,  0.08105469,
        -0.18847656,  0.11474609, -0.02600098, -0.05981445, -0.1640625 ,
         0.00787354,  0.01361084, -0.02099609, -0.00741577, -0.11181641,
         0.08544922, -0.15917969, -0.01757812,  0.04052734, -0.02453613,
        -0.04077148,  0.02978516,  0.02319336, -0.06933594, -0.09423828,
        -0.09277344, -0.01397705,  0.16894531,  0.31640625,  0.07763672,
         0.16113281,  0.06591797,  0.12109375, -0.07324219, -0.07128906,
         0.15136719,  0.05273438, -0.08886719, -0.10107422, -0.00970459,
         0.03735352, -0.03540039,  0.1328125 ,  0.03857422, -0.37304688,
        -0.12207031,  0.02331543,  0.16210938,  0.07861328,  0.19824219,
         0.00427246, -0.2109375 , -0.00909424, -0.06787109, -0.00512695,
        -0.11230469,  0.06176758,  0.08789062,  0.08544922, -0.30859375,
        -0.00799561, -0.12109375, -0.11962891,  0.08740234,  0.07763672],
       dtype=float32),
 'board': array([-0.14453125, -0.25976562, -0.01611328, -0.01074219, -0.012
81738,
        -0.34765625,  0.10839844,  0.00340271,  0.07080078,  0.04199219,
         0.0456543 , -0.14160156, -0.03808594, -0.19335938, -0.30273438,
         0.09619141,  0.0703125 , -0.11425781, -0.02709961,  0.01306152,
        -0.09863281,  0.22070312,  0.00118256,  0.1328125 ,  0.02783203,
         0.14453125, -0.21386719,  0.30664062, -0.20117188, -0.29101562,
         0.07080078, -0.07861328, -0.07958984, -0.06738281,  0.17675781,
        -0.23730469,  0.171875  ,  0.31445312,  0.13378906, -0.12109375,
        -0.09423828,  0.13671875,  0.0390625 , -0.09619141,  0.07666016,
        -0.12695312,  0.19140625, -0.04907227,  0.04589844,  0.21679688,
        -0.00778198,  0.08886719,  0.05566406, -0.0859375 , -0.08349609,
         0.0559082 , -0.17382812,  0.04443359,  0.10644531,  0.00653076,
         0.09863281,  0.10205078, -0.15429688,  0.09130859,  0.06933594,
         0.06030273,  0.00701904,  0.19433594,  0.140625  ,  0.19238281,
         0.01043701, -0.140625  ,  0.33984375,  0.09326172,  0.00125122,
         0.19628906,  0.03613281, -0.09277344,  0.25      ,  0.08496094,
         0.11083984, -0.05419922,  0.09912109,  0.09716797,  0.28710938,
        -0.11914062, -0.1640625 , -0.05810547,  0.15820312,  0.11816406,
         0.30078125, -0.00357056,  0.02087402,  0.20703125,  0.0378418 ,
        -0.07324219, -0.24707031,  0.22558594, -0.06201172,  0.12011719,
         0.0612793 ,  0.00628662,  0.0267334 ,  0.22949219, -0.06494141,
        -0.09521484, -0.02026367, -0.171875  ,  0.00494385, -0.2734375 ,
         0.0300293 , -0.18554688,  0.04321289, -0.22070312,  0.3203125 ,
        -0.10986328,  0.12011719,  0.07666016,  0.22070312, -0.16503906,
        -0.06176758, -0.11962891, -0.15039062,  0.0859375 , -0.13769531,
        -0.11962891, -0.25976562, -0.08496094,  0.05151367,  0.04101562,
         0.06591797, -0.04907227, -0.18457031, -0.11865234,  0.02941895,
         0.26171875,  0.04516602,  0.11425781,  0.06640625,  0.14160156,
        -0.12597656, -0.04467773,  0.06005859, -0.08789062,  0.04150391,
        -0.02868652, -0.14160156, -0.0378418 ,  0.34570312,  0.17382812,
        -0.08154297,  0.05883789, -0.23632812,  0.24511719, -0.06542969,
         0.0144043 ,  0.12988281,  0.08105469,  0.20019531,  0.14941406,
        -0.0559082 ,  0.00105286,  0.16308594,  0.03198242,  0.03173828,
        -0.18847656, -0.02893066,  0.02001953,  0.26171875,  0.12792969,
         0.10400391, -0.00041008,  0.00915527, -0.13085938,  0.21972656,
        -0.21679688, -0.10009766,  0.01055908, -0.00531006, -0.13183594,
        -0.10791016, -0.08544922, -0.10546875, -0.0456543 ,  0.3125    ,
        -0.109375  ,  0.05224609, -0.02441406,  0.28125   , -0.08740234,
        -0.03149414, -0.07275391, -0.18261719,  0.1015625 , -0.17089844,
```

```
         0.05078125, -0.04174805, -0.15136719, -0.2578125 ,  0.01159668,
        -0.08984375,  0.04296875,  0.06494141, -0.09716797,  0.03015137,
        -0.078125  ,  0.02709961, -0.11181641, -0.10888672, -0.203125  ,
         0.16015625,  0.09423828, -0.2265625 , -0.00939941,  0.03686523,
         0.0480957 , -0.20117188,  0.16992188,  0.03759766, -0.12792969,
         0.01733398,  0.26757812,  0.08886719,  0.24414062,  0.29882812,
        -0.109375  , -0.07177734, -0.00915527,  0.12988281,  0.11865234,
        -0.30273438,  0.00139618,  0.01843262,  0.13964844, -0.05395508,
         0.08056641,  0.23535156, -0.09960938,  0.20800781, -0.08837891,
         0.02722168,  0.00744629, -0.01831055, -0.19335938, -0.04003906,
         0.03112793, -0.10986328, -0.08398438,  0.18652344, -0.03417969,
        -0.03442383, -0.02941895, -0.06445312, -0.02868652,  0.12402344,
        -0.13476562,  0.27929688,  0.23242188,  0.10400391,  0.16601562,
        -0.05737305, -0.09423828, -0.27539062,  0.0111084 , -0.140625  ,
        -0.19042969,  0.05786133,  0.2734375 , -0.11279297, -0.03466797,
         0.24609375,  0.03808594, -0.06298828,  0.22753906, -0.18847656,
         0.00457764,  0.01428223, -0.04272461, -0.12890625, -0.06176758,
         0.09472656, -0.02648926, -0.00799561,  0.15820312,  0.07080078,
         0.23046875, -0.00190735,  0.11816406,  0.22265625,  0.07519531,
        -0.0546875 ,  0.00436401, -0.19921875,  0.25      ,  0.20019531,
         0.08300781, -0.10595703,  0.140625  ,  0.00189972, -0.26953125],
       dtype=float32),
 'certified': array([-2.22656250e-01, -3.53515625e-01, -6.78710938e-02,  1.
08886719e-01,
        -3.51562500e-02,  1.39648438e-01,  6.39648438e-02, -2.69531250e-01,
         1.25000000e-01, -2.15820312e-01,  5.63964844e-02,  3.44238281e-02,
        -1.84570312e-01, -9.27734375e-02, -9.13085938e-02,  4.02343750e-01,
         1.09863281e-02,  6.95800781e-03, -1.27929688e-01,  1.08398438e-01,
         1.42578125e-01,  1.64062500e-01, -2.13867188e-01, -4.41894531e-02,
        -3.18359375e-01, -3.63769531e-02, -1.60156250e-01,  2.74658203e-02,
        -9.66796875e-02, -2.55859375e-01,  1.43554688e-01, -7.86132812e-02,
        -4.39453125e-02, -2.35351562e-01, -1.27929688e-01, -1.05468750e-01,
        -1.04980469e-01, -2.34375000e-02,  1.40625000e-01, -4.12109375e-01,
         7.37304688e-02, -2.53906250e-01, -8.34960938e-02, -1.17675781e-01,
        -2.19726562e-01, -2.69531250e-01,  1.62353516e-02,  7.17773438e-02,
        -4.63867188e-02,  1.97265625e-01, -1.63085938e-01,  8.49609375e-02,
        -3.44238281e-02, -1.05468750e-01,  1.38671875e-01,  3.53515625e-01,
         7.32421875e-02, -3.90625000e-01,  1.13769531e-01, -1.35742188e-01,
        -3.17382812e-02, -4.30297852e-03, -1.09252930e-02,  8.11767578e-03,
         4.95605469e-02,  2.56347656e-03, -5.05371094e-02,  1.73828125e-01,
        -3.30078125e-01, -2.92968750e-01,  1.94335938e-01, -1.81884766e-02,
        -1.19628906e-02,  6.68945312e-02, -5.02929688e-02, -5.76782227e-03,
         3.71093750e-01, -7.76367188e-02,  6.88476562e-02,  2.06054688e-01,
        -1.09252930e-02, -1.31835938e-01,  7.27539062e-02,  1.25976562e-01,
         4.76074219e-02,  5.81054688e-02,  1.03027344e-01,  1.12304688e-02,
         1.68945312e-01, -2.98828125e-01,  6.68334961e-03,  7.51953125e-02,
        -1.73828125e-01,  1.63085938e-01, -8.15429688e-02, -7.95898438e-02,
        -1.35742188e-01,  1.40625000e-01,  2.12402344e-02, -2.10937500e-01,
         1.28906250e-01, -1.45507812e-01, -1.33789062e-01,  1.25000000e-01,
        -9.03320312e-02, -2.71484375e-01, -2.78320312e-02, -2.16796875e-01,
         1.24023438e-01, -2.71484375e-01,  1.05468750e-01,  2.39257812e-01,
        -3.33984375e-01,  2.73437500e-01, -2.28515625e-01,  2.83203125e-01,
        -2.16796875e-01,  4.44335938e-02,  2.59765625e-01, -7.51953125e-02,
        -1.18164062e-01,  2.43164062e-01,  1.13769531e-01, -1.57226562e-01,
         1.88476562e-01,  3.53515625e-01,  5.76019287e-04, -1.00097656e-01,
         1.10351562e-01,  3.43750000e-01,  1.24511719e-01,  3.84765625e-01,
         3.41796875e-02, -8.60595703e-03,  1.66992188e-01, -1.38671875e-01,
        -1.56250000e-01,  1.33789062e-01,  1.13281250e-01,  1.32812500e-01,
        -4.57031250e-01,  5.46875000e-02, -7.22656250e-02, -4.68750000e-01,
        -4.51660156e-02,  1.20117188e-01, -8.20312500e-02,  6.03027344e-02,
         1.49414062e-01, -4.78515625e-02,  1.82617188e-01,  1.98242188e-01,
        -5.17578125e-02, -4.97436523e-03, -8.93554688e-02, -5.12695312e-02,
        -2.63671875e-01,  1.25000000e-01, -1.81640625e-01, -3.78417969e-02,
         4.36401367e-03,  4.80957031e-02,  5.22460938e-02, -6.34765625e-02,
```

```
        -1.34765625e-01, -1.05957031e-01, -5.00488281e-02, -1.82617188e-01,
         1.58203125e-01, -2.00195312e-01, -2.11914062e-01, -1.49414062e-01,
         1.58203125e-01, -8.93554688e-02,  1.26953125e-01, -1.39648438e-01,
         1.04980469e-01, -1.87500000e-01, -3.43750000e-01, -1.01074219e-01,
        -2.24609375e-01, -2.44140625e-01, -1.36718750e-01,  8.93554688e-02,
         1.40991211e-02,  5.20019531e-02, -9.17968750e-02, -1.53320312e-01,
        -2.45361328e-02,  2.79296875e-01, -1.54418945e-02, -1.19140625e-01,
        -1.78710938e-01, -9.13085938e-02,  2.57568359e-02,  6.74438477e-03,
         2.18750000e-01, -2.37304688e-01, -2.46093750e-01, -2.03125000e-01,
         1.35742188e-01,  4.41406250e-01,  1.52343750e-01,  2.31933594e-03,
        -3.96484375e-01,  2.22167969e-02, -5.95703125e-02, -1.35742188e-01,
         9.32617188e-02, -9.66796875e-02,  6.44531250e-02,  2.27539062e-01,
        -6.49414062e-02,  2.28515625e-01,  1.98242188e-01,  2.08984375e-01,
        -7.81250000e-02,  1.73950195e-03, -8.10546875e-02, -9.42382812e-02,
         1.05957031e-01, -3.43322754e-04, -1.24023438e-01,  3.94531250e-01,
         1.64062500e-01, -2.45117188e-01, -8.78906250e-02,  1.32812500e-01,
        -1.05468750e-01, -5.70312500e-01, -2.26562500e-01, -5.12695312e-02,
         9.61914062e-02,  9.58251953e-03, -1.54296875e-01,  1.91406250e-01,
         2.35351562e-01, -4.54101562e-02, -7.27539062e-02, -2.00195312e-01,
        -9.86328125e-02, -2.36328125e-01,  9.81445312e-02,  1.19628906e-01,
        -1.11328125e-01, -6.07910156e-02, -9.76562500e-02,  6.92749023e-03,
         1.86523438e-01, -4.55078125e-01, -2.57812500e-01, -4.61425781e-02,
        -1.77734375e-01,  5.81054688e-02,  1.59179688e-01,  8.54492188e-02,
        -4.10156250e-01, -2.53906250e-01,  1.50390625e-01,  1.01562500e-01,
        -1.82617188e-01, -9.91210938e-02, -3.66210938e-02, -1.36718750e-01,
         2.46093750e-01, -1.64062500e-01,  1.61132812e-01,  1.04003906e-01,
        -3.46679688e-02, -2.22167969e-02,  4.90722656e-02, -1.76757812e-01,
        -6.59179688e-02,  1.62109375e-01, -3.37890625e-01, -4.04296875e-01,
        -3.88671875e-01, -2.42187500e-01, -1.21093750e-01,  8.05664062e-02,
        -1.56250000e-01,  1.31835938e-01,  1.37695312e-01,  1.86767578e-02,
        -1.15722656e-01, -1.40625000e-01, -8.20312500e-02, -2.75390625e-01,
         2.16796875e-01,  2.61718750e-01,  1.01074219e-01, -1.12792969e-01,
        -1.04003906e-01,  4.73632812e-02,  6.34765625e-02,  2.80761719e-02,
        -1.12304688e-01, -1.79687500e-01, -3.63769531e-02, -1.48437500e-0
1],
       dtype=float32),
 'analysts': array([ 0.05029297,  0.06445312, -0.14160156,  0.34375   , -0.
31835938,
         0.06054688, -0.01379395, -0.16601562,  0.22265625,  0.0559082 ,
        -0.25585938, -0.14746094,  0.07519531, -0.00704956, -0.37109375,
         0.171875  ,  0.01043701, -0.29101562,  0.12597656, -0.17480469,
         0.16210938, -0.140625  , -0.12060547, -0.01013184,  0.46484375,
        -0.04150391,  0.04907227, -0.22851562,  0.00482178,  0.09472656,
         0.27539062,  0.06396484, -0.35351562, -0.06591797,  0.31445312,
         0.05371094, -0.2421875 ,  0.12792969, -0.06079102,  0.12988281,
         0.07421875, -0.18164062,  0.17089844,  0.20117188, -0.12695312,
         0.07128906, -0.18261719, -0.07617188, -0.06738281, -0.04321289,
         0.31445312,  0.05810547, -0.21289062,  0.41601562, -0.07910156,
         0.06225586, -0.01867676,  0.27734375, -0.01977539, -0.19726562,
        -0.05737305,  0.21386719, -0.18261719,  0.125     ,  0.0378418 ,
         0.23339844,  0.01599121,  0.28710938,  0.22167969,  0.20214844,
         0.12890625,  0.28710938,  0.30078125, -0.10205078, -0.11767578,
        -0.06738281,  0.18359375,  0.26757812,  0.02941895,  0.07421875,
         0.078125  ,  0.02392578, -0.546875  ,  0.125     , -0.20507812,
         0.03125   ,  0.36523438, -0.02880859, -0.18847656, -0.06835938,
         0.39648438, -0.35351562,  0.04882812,  0.07910156,  0.10644531,
        -0.19824219,  0.09619141, -0.03173828,  0.27148438, -0.01708984,
         0.08544922, -0.02661133,  0.0534668 , -0.00726318,  0.08447266,
         0.31054688,  0.05615234,  0.03063965,  0.16796875, -0.38671875,
        -0.05273438,  0.16015625, -0.05444336,  0.23046875,  0.20117188,
         0.08886719, -0.14257812, -0.25585938,  0.44726562, -0.27734375,
         0.05126953,  0.15625   , -0.20800781, -0.16601562,  0.07275391,
        -0.1796875 ,  0.01708984, -0.00643921, -0.26953125,  0.3671875 ,
        -0.29492188, -0.01556396,  0.2578125 ,  0.03295898, -0.10742188,
```

```
        -0.0402832 ,  0.10546875,  0.24511719, -0.34765625,  0.16503906,
         0.27148438, -0.26171875,  0.08300781,  0.04736328,  0.17871094,
        -0.21289062,  0.11914062, -0.1796875 ,  0.03320312,  0.03369141,
        -0.16894531, -0.05859375, -0.45703125, -0.01062012,  0.05102539,
         0.03662109, -0.17578125,  0.08203125, -0.33007812, -0.03149414,
         0.05444336, -0.01660156, -0.15722656, -0.09716797,  0.01135254,
         0.05249023,  0.03125   ,  0.02075195,  0.48828125,  0.11669922,
        -0.03759766, -0.296875  , -0.05541992, -0.12402344,  0.24902344,
        -0.26757812,  0.08544922,  0.05297852, -0.19824219, -0.22949219,
        -0.24902344,  0.01867676, -0.02282715, -0.06787109,  0.23632812,
        -0.09033203,  0.265625  ,  0.16601562, -0.02954102,  0.390625  ,
         0.16210938, -0.18652344, -0.12597656, -0.23925781, -0.140625  ,
         0.23632812, -0.28125   , -0.05175781,  0.0703125 , -0.40234375,
        -0.02758789,  0.01544189, -0.13867188,  0.27148438,  0.12451172,
         0.14648438, -0.15234375, -0.03369141, -0.06298828, -0.12988281,
         0.03662109, -0.31445312, -0.18066406,  0.56640625, -0.21386719,
        -0.19335938,  0.21191406,  0.00457764,  0.05200195,  0.02978516,
        -0.1484375 ,  0.375     , -0.23925781, -0.12304688,  0.07373047,
        -0.21191406, -0.03027344, -0.26171875,  0.23828125, -0.00958252,
         0.05981445,  0.09082031,  0.16308594,  0.19042969,  0.17578125,
        -0.08544922,  0.11767578,  0.02783203,  0.01263428, -0.0859375 ,
         0.16699219, -0.12988281, -0.23339844, -0.1796875 ,  0.06054688,
         0.12597656, -0.03833008, -0.14160156,  0.09667969,  0.08447266,
        -0.31835938, -0.17871094, -0.1328125 , -0.02624512, -0.02697754,
        -0.04858398,  0.19140625, -0.08398438,  0.03662109,  0.00976562,
         0.02319336, -0.25195312,  0.18652344,  0.30859375,  0.00805664,
         0.29492188, -0.1875    , -0.26367188,  0.12792969,  0.40234375,
         0.02929688, -0.06152344, -0.03735352, -0.18652344, -0.15820312,
         0.42578125,  0.09814453,  0.08056641,  0.35351562,  0.18457031,
         0.01525879, -0.10986328, -0.15332031, -0.10009766,  0.14941406,
        -0.3984375 ,  0.26953125,  0.14941406, -0.07617188,  0.1796875 ,
         0.01269531, -0.06591797, -0.0390625 , -0.04980469,  0.49414062,
        -0.22167969,  0.04638672, -0.0859375 ,  0.12207031, -0.13964844],
       dtype=float32),
 'pathologists': array([-3.71093750e-01,  7.22656250e-02,  1.20117188e-01,
5.66406250e-01,
        -2.67578125e-01,  1.13769531e-01,  1.94335938e-01, -2.09960938e-01,
         2.17285156e-02, -1.20605469e-01,  5.58593750e-01, -2.55859375e-01,
        -1.41601562e-01,  2.12890625e-01,  8.69140625e-02,  3.98437500e-01,
        -1.70898438e-02,  3.00781250e-01,  2.08007812e-01, -1.82617188e-01,
         1.16699219e-01,  1.14746094e-01, -2.74658203e-02,  2.15820312e-01,
        -2.13867188e-01,  5.60760498e-04, -1.38671875e-01, -5.19531250e-01,
        -8.34960938e-02, -1.22070312e-01, -5.78613281e-02, -2.11914062e-01,
        -9.52148438e-02, -3.86047363e-03, -1.89453125e-01, -1.08886719e-01,
        -1.37695312e-01,  4.53125000e-01, -1.23535156e-01, -1.26953125e-01,
         7.17773438e-02, -6.95312500e-01, -3.41796875e-01,  1.14257812e-01,
         1.45507812e-01, -3.43750000e-01, -1.01562500e-01, -3.19824219e-02,
        -1.21093750e-01,  3.49609375e-01,  3.14453125e-01, -4.94140625e-01,
        -1.05957031e-01,  1.67968750e-01, -3.84765625e-01,  4.66918945e-03,
        -1.06933594e-01,  2.94921875e-01, -3.84765625e-01,  9.61914062e-02,
         2.20703125e-01,  1.80664062e-01, -3.22265625e-02,  6.29882812e-02,
         2.44140625e-01,  5.46875000e-01,  2.06054688e-01,  1.75781250e-01,
        -1.01470947e-03, -2.53906250e-01,  1.97265625e-01, -1.98242188e-01,
        -1.34765625e-01, -4.53125000e-01,  2.11181641e-02, -1.53350830e-03,
         1.56250000e-01, -1.96289062e-01,  2.98828125e-01,  3.63281250e-01,
         3.80859375e-02,  3.39843750e-01, -1.21582031e-01,  1.55273438e-01,
        -1.84570312e-01, -2.75390625e-01,  2.49023438e-01,  9.71679688e-02,
        -2.49023438e-01,  1.91406250e-01,  1.10839844e-01,  1.09863281e-03,
        -1.60156250e-01,  3.94531250e-01,  6.20117188e-02,  1.08398438e-01,
         3.78906250e-01,  1.01562500e-01,  6.39648438e-02, -3.76953125e-01,
         1.05957031e-01, -2.98828125e-01, -1.49414062e-01, -3.00781250e-01,
        -3.34472656e-02,  1.39648438e-01, -1.80664062e-01,  1.89453125e-01,
         1.37695312e-01, -4.29687500e-01, -3.28125000e-01,  1.54296875e-01,
         1.32446289e-02,  2.41210938e-01,  1.92382812e-01,  8.74023438e-02,
```

```
        -1.93359375e-01, -2.63671875e-01,  2.53906250e-01, -5.51757812e-02,
         1.03027344e-01,  2.56347656e-02,  9.27734375e-02, -2.71484375e-01,
         2.57812500e-01, -2.67578125e-01, -5.74218750e-01, -2.33398438e-01,
        -1.35742188e-01,  3.65234375e-01,  1.99218750e-01, -1.06048584e-03,
        -1.28906250e-01, -2.75390625e-01, -6.59179688e-02, -6.64062500e-02,
        -2.13623047e-02,  4.21875000e-01,  3.47656250e-01, -1.95312500e-01,
        -7.32421875e-02, -2.63671875e-01, -3.07617188e-02,  1.93359375e-01,
        -9.52148438e-02,  2.09960938e-01,  1.08398438e-01,  2.31445312e-01,
        -2.16796875e-01,  2.14843750e-01,  1.54113770e-03, -9.86328125e-02,
        -3.86718750e-01, -5.73730469e-02,  3.57421875e-01,  2.77343750e-01,
        -6.64062500e-02, -2.98828125e-01, -3.33984375e-01,  1.44042969e-02,
        -4.43359375e-01,  2.07031250e-01,  4.53125000e-01,  6.78710938e-02,
         1.40380859e-02,  4.46777344e-02,  1.63085938e-01, -4.06250000e-01,
         8.25195312e-02, -5.35156250e-01,  4.51171875e-01,  8.44726562e-02,
        -2.53906250e-01,  1.54296875e-01, -9.96093750e-02, -3.37890625e-01,
        -1.54296875e-01,  1.95312500e-01, -2.38281250e-01, -2.34375000e-01,
         1.25000000e-01, -1.06445312e-01,  2.45361328e-02, -3.10546875e-01,
         6.78710938e-02,  3.98437500e-01,  1.06445312e-01,  1.16210938e-01,
         2.24609375e-01,  4.51171875e-01, -2.30468750e-01,  4.71191406e-02,
        -3.12500000e-01, -1.31835938e-01, -1.85546875e-01, -6.34765625e-02,
         3.71093750e-01, -5.00000000e-01, -2.07031250e-01,  6.05468750e-02,
         2.03125000e-01, -6.88476562e-02, -1.28906250e-01,  2.94189453e-02,
        -3.80859375e-01, -3.53515625e-01,  5.23437500e-01, -1.92382812e-01,
         5.31250000e-01, -4.64843750e-01, -4.85839844e-02, -4.25781250e-01,
        -1.94091797e-02,  1.76757812e-01, -1.45507812e-01, -1.56250000e-01,
         1.74804688e-01, -2.49023438e-01,  2.05078125e-02, -1.85546875e-01,
         2.23388672e-02,  4.02832031e-02,  4.51660156e-02, -5.12695312e-02,
         7.37304688e-02, -1.57226562e-01, -3.44238281e-02, -1.06933594e-01,
        -3.49121094e-02,  8.10546875e-02, -9.91210938e-02, -2.94921875e-01,
        -3.22265625e-01,  1.47460938e-01,  6.25000000e-02, -1.69921875e-01,
         3.30078125e-01,  1.45507812e-01,  4.37011719e-02,  7.91015625e-02,
        -6.56127930e-03, -1.07421875e-01,  3.14941406e-02, -1.16210938e-01,
         2.88085938e-02,  1.22558594e-01,  8.20312500e-02,  2.53906250e-01,
         1.54296875e-01,  1.89453125e-01, -5.05371094e-02, -5.12695312e-02,
         2.21679688e-01,  9.22851562e-02, -3.54003906e-02,  1.62353516e-02,
        -1.16210938e-01, -9.71679688e-02, -7.42187500e-02,  1.62109375e-01,
        -8.54492188e-02, -5.41992188e-02, -2.27050781e-02,  7.66601562e-02,
         3.55468750e-01, -1.31835938e-01,  1.69921875e-01,  7.95898438e-02,
        -8.88671875e-02, -1.38671875e-01,  1.13281250e-01,  1.29882812e-01,
        -1.23046875e-01, -2.52685547e-02,  2.22656250e-01,  1.01074219e-01,
        -8.20312500e-02,  3.57421875e-01,  5.81054688e-02, -1.63085938e-01,
        -3.88183594e-02, -2.81250000e-01,  2.63671875e-01,  1.05590820e-02,
        -1.92382812e-01, -7.32421875e-02,  1.38671875e-01, -3.96484375e-01,
         8.96453857e-04,  7.56835938e-03, -1.40625000e-01, -2.44140625e-01,
        -2.18750000e-01,  3.37890625e-01, -1.64062500e-01,  5.51757812e-02,
        -2.31445312e-01, -4.04296875e-01,  2.79296875e-01, -1.97265625e-0
1],
       dtype=float32),
 'occupational': array([-1.03027344e-01, -1.67968750e-01, -5.93261719e-02,
2.57812500e-01,
         1.46484375e-01, -3.71932983e-04,  1.14257812e-01, -2.07031250e-01,
         1.64062500e-01, -1.04980469e-02,  5.00488281e-02, -6.59179688e-02,
        -1.31835938e-01,  2.51464844e-02, -1.96289062e-01,  1.56250000e-01,
         6.22558594e-02,  3.51562500e-01,  1.56250000e-01, -2.18750000e-01,
        -5.37109375e-02, -1.54296875e-01, -9.47265625e-02,  2.55859375e-01,
        -2.98828125e-01, -1.31835938e-02, -1.24023438e-01,  8.93554688e-02,
        -1.43554688e-01, -6.71386719e-03, -8.69140625e-02, -4.49218750e-01,
         6.59179688e-02, -2.07031250e-01, -3.16406250e-01, -1.60156250e-01,
         2.08984375e-01, -6.22558594e-02, -7.17773438e-02, -1.75781250e-01,
        -2.63671875e-01, -2.61718750e-01,  1.50146484e-02,  1.99218750e-01,
        -2.77343750e-01, -1.40625000e-01, -1.05957031e-01,  3.19824219e-02,
        -9.66796875e-02, -5.32226562e-02, -7.76367188e-02, -1.93359375e-01,
        -8.10546875e-02,  1.78710938e-01,  1.55273438e-01, -1.49414062e-01,
        -2.92968750e-02, -1.75781250e-01,  5.98144531e-03, -1.26953125e-01,
```

```
        -2.26562500e-01,  3.27148438e-02,  1.77001953e-02, -1.31225586e-02,
        -5.00488281e-03,  2.59765625e-01, -1.47460938e-01,  1.42578125e-01,
        -7.27539062e-02, -3.04687500e-01, -2.75390625e-01, -1.45507812e-01,
         1.36718750e-01,  2.12890625e-01, -2.75390625e-01, -1.71875000e-01,
         5.88378906e-02, -3.22265625e-02, -9.27734375e-02,  1.66992188e-01,
        -1.83593750e-01,  8.69140625e-02, -2.33398438e-01,  1.48437500e-01,
        -1.23535156e-01,  1.52343750e-01, -3.18359375e-01,  2.46093750e-01,
        -3.73046875e-01, -1.87500000e-01,  3.30078125e-01, -2.12890625e-01,
        -3.98437500e-01,  1.72851562e-01,  1.41601562e-01,  6.93359375e-02,
         5.11718750e-01, -3.22265625e-02,  8.25195312e-02, -3.67187500e-01,
        -2.47802734e-02, -6.29882812e-02, -2.02148438e-01,  5.54199219e-02,
         6.83593750e-02, -2.43164062e-01,  1.22070312e-01,  3.12805176e-03,
         2.32421875e-01, -1.21093750e-01, -1.31835938e-02, -1.04003906e-01,
        -6.15234375e-02,  5.10253906e-02,  7.03125000e-02,  1.91406250e-01,
        -1.05957031e-01,  1.17675781e-01, -9.13085938e-02,  7.66601562e-02,
        -3.69140625e-01,  6.29882812e-02, -2.67578125e-01, -2.67333984e-02,
         1.34765625e-01,  1.03515625e-01, -6.17675781e-02, -1.93359375e-01,
         7.22656250e-02,  2.77343750e-01,  1.82617188e-01, -1.46484375e-01,
        -2.79296875e-01, -3.16406250e-01, -2.12890625e-01, -2.15820312e-01,
        -3.08593750e-01,  1.46484375e-01,  1.81884766e-02,  4.44335938e-02,
        -8.74023438e-02,  1.59179688e-01, -8.88671875e-02,  1.17675781e-01,
        -2.02148438e-01, -3.02734375e-01, -1.91406250e-01,  2.39257812e-01,
        -2.31445312e-01,  1.64062500e-01,  2.98828125e-01, -5.51757812e-02,
        -6.83593750e-02, -1.23046875e-01, -9.32617188e-02,  1.54296875e-01,
         2.59399414e-03, -6.44531250e-02,  3.22265625e-02, -2.55859375e-01,
         1.66992188e-01,  4.95605469e-02, -2.77343750e-01,  6.40869141e-03,
        -1.09375000e-01, -6.83593750e-02, -3.10546875e-01, -2.89062500e-01,
        -1.82617188e-01,  3.58886719e-02,  3.97949219e-02, -1.47460938e-01,
        -3.78906250e-01,  7.03125000e-02,  2.43164062e-01, -1.12304688e-01,
        -7.37304688e-02, -3.73535156e-02, -2.31445312e-01,  1.29394531e-02,
        -5.00488281e-02, -2.12890625e-01, -8.83789062e-02,  1.25976562e-01,
        -3.36914062e-02,  1.85546875e-01, -1.27929688e-01,  2.05078125e-01,
         1.15234375e-01,  2.19726562e-01, -1.27929688e-01,  1.59179688e-01,
        -1.29882812e-01,  1.60156250e-01,  3.58886719e-02, -1.07421875e-01,
         2.65625000e-01, -4.23828125e-01, -4.51660156e-02,  6.64062500e-02,
        -9.52148438e-02,  1.08398438e-01,  1.13769531e-01, -2.32421875e-01,
        -1.04003906e-01, -1.83593750e-01, -9.52148438e-02,  6.93359375e-02,
         1.79687500e-01, -1.63085938e-01,  3.65234375e-01, -1.95312500e-01,
         1.66992188e-01,  1.50390625e-01,  2.09960938e-01, -1.08886719e-01,
        -1.30859375e-01, -3.58886719e-02,  2.50244141e-02, -5.46875000e-02,
        -2.35351562e-01, -6.12792969e-02,  6.07910156e-02, -4.80468750e-01,
         1.77734375e-01, -2.53906250e-01,  1.67968750e-01, -7.86132812e-02,
        -2.12402344e-02, -1.48437500e-01,  1.32812500e-01, -5.78613281e-02,
        -3.45703125e-01, -1.08032227e-02, -2.32421875e-01,  6.83593750e-02,
         1.89453125e-01, -1.91650391e-02,  7.37304688e-02, -1.43554688e-01,
         1.50146484e-02, -2.32421875e-01,  2.51953125e-01, -9.86328125e-02,
         1.84570312e-01,  7.95898438e-02, -3.17382812e-02,  8.49609375e-02,
        -2.10937500e-01, -3.51562500e-01, -2.96875000e-01, -1.22558594e-01,
        -2.08007812e-01, -1.44531250e-01, -1.08398438e-01, -1.77734375e-01,
        -1.02539062e-01, -6.59179688e-02,  6.65283203e-03,  3.67187500e-01,
        -1.20605469e-01, -2.98828125e-01,  1.55273438e-01, -7.12890625e-02,
         9.71679688e-02, -1.33789062e-01,  1.25976562e-01,  1.35498047e-02,
        -2.51953125e-01,  1.46484375e-01, -5.95703125e-02, -1.15234375e-01,
         3.32031250e-02,  1.70898438e-02,  2.83203125e-01, -1.68945312e-01,
         8.25195312e-02, -2.45117188e-01, -1.55273438e-01,  2.89062500e-01,
        -2.81250000e-01, -4.66308594e-02,  2.61718750e-01, -3.90625000e-02,
        -2.09960938e-01,  9.46044922e-03, -6.29882812e-02, -1.24023438e-01,
         1.38671875e-01,  1.88476562e-01, -1.11083984e-02, -1.28784180e-02,
        -1.54296875e-01,  1.22558594e-01, -2.46093750e-01,  2.85644531e-02,
         1.71875000e-01, -1.84326172e-02,  2.77343750e-01,  7.66601562e-0
2],
       dtype=float32),
 'therapists': array([ 9.86328125e-02, -2.50000000e-01, -1.17675781e-01,
3.49609375e-01,
```

```
-2.96875000e-01,  2.47070312e-01,  4.88281250e-02, -3.88671875e-01,
-1.95312500e-01, -2.19726562e-01,  8.93554688e-02, -9.81445312e-02,
-3.80859375e-02,  2.47070312e-01,  3.61328125e-01,  4.49218750e-01,
 4.51660156e-02,  3.73046875e-01,  2.32421875e-01, -3.37890625e-01,
 4.84375000e-01,  2.06054688e-01,  6.73828125e-02,  1.25976562e-01,
-7.91015625e-02, -1.63085938e-01, -1.62109375e-01,  1.66015625e-02,
-2.41210938e-01, -3.78906250e-01, -1.34887695e-02,  7.01904297e-03,
-3.84765625e-01, -1.22558594e-01, -1.54296875e-01, -4.60937500e-01,
 4.76074219e-02,  2.85156250e-01,  1.08886719e-01, -3.55468750e-01,
-2.19726562e-01, -2.16796875e-01, -1.66992188e-01,  1.31835938e-01,
-6.83593750e-02, -3.39355469e-02,  2.99072266e-02,  4.56542969e-02,
-3.02734375e-02, -7.78198242e-03,  3.78417969e-02,  1.74713135e-03,
-3.82812500e-01,  3.65234375e-01,  1.53320312e-01,  2.22656250e-01,
-7.86132812e-02,  2.24609375e-02, -3.14453125e-01, -1.72851562e-01,
-5.49316406e-02,  3.55468750e-01,  2.91015625e-01, -6.98242188e-02,
 1.91406250e-01,  1.28906250e-01,  1.78710938e-01,  2.59765625e-01,
 5.22460938e-02,  9.71679688e-02, -1.20605469e-01, -7.51953125e-02,
-6.20117188e-02,  1.06445312e-01,  2.36328125e-01, -1.23535156e-01,
 9.91210938e-02,  5.29785156e-02, -4.63867188e-02,  2.83203125e-01,
-2.00195312e-02,  4.15039062e-03, -1.11816406e-01,  1.01562500e-01,
-1.33789062e-01,  3.64303589e-04,  1.24511719e-01,  1.49414062e-01,
-2.37304688e-01, -1.21093750e-01,  1.90429688e-01,  3.46679688e-02,
-5.00488281e-02, -1.18164062e-01,  9.91210938e-02, -3.12500000e-02,
 2.28515625e-01, -1.89453125e-01, -1.37695312e-01, -2.96875000e-01,
 3.04687500e-01, -1.99218750e-01,  2.35595703e-02,  7.51953125e-02,
 2.20703125e-01, -2.41088867e-03,  1.79687500e-01, -1.74560547e-02,
 4.12109375e-01, -3.49609375e-01, -1.33789062e-01,  2.83203125e-01,
 4.61425781e-02,  8.20312500e-02,  2.50000000e-01, -1.10839844e-01,
 6.44531250e-02, -4.33593750e-01, -1.77001953e-02, -1.24023438e-01,
-2.27539062e-01,  2.63671875e-01,  2.05078125e-01, -2.79541016e-02,
 4.78515625e-02, -3.28125000e-01, -6.01562500e-01, -6.44531250e-02,
 1.24511719e-01,  3.37890625e-01, -8.93554688e-02, -3.12500000e-01,
-1.39648438e-01, -9.47265625e-02, -7.27539062e-02, -1.35742188e-01,
 1.31835938e-01,  2.89062500e-01,  1.48437500e-01, -2.90527344e-02,
 2.46582031e-02, -4.35546875e-01, -2.22656250e-01,  2.68554688e-02,
 5.20019531e-02,  1.66992188e-01, -2.91015625e-01,  2.27539062e-01,
-3.53515625e-01,  1.45874023e-02,  3.96484375e-01, -5.41992188e-02,
-2.43164062e-01, -1.14746094e-01,  2.53906250e-01,  2.19726562e-01,
 2.45361328e-02, -1.39648438e-01, -7.71484375e-02, -1.91406250e-01,
 1.95312500e-01,  1.01074219e-01, -8.98437500e-02, -7.62939453e-03,
-5.29785156e-02, -3.00292969e-02, -2.77343750e-01, -2.65625000e-01,
 4.79125977e-03,  1.12304688e-01, -3.64685059e-03, -1.56250000e-01,
-9.52148438e-02,  1.34765625e-01,  1.86523438e-01,  7.22656250e-02,
-2.89306641e-02, -5.61523438e-02, -2.96875000e-01,  7.51953125e-02,
-3.32031250e-02, -1.38671875e-01, -2.63671875e-01, -8.39233398e-04,
-2.17773438e-01, -2.89306641e-02,  2.57812500e-01, -2.85644531e-02,
-3.15856934e-03,  6.29882812e-02, -1.18652344e-01, -1.44531250e-01,
 3.02734375e-02, -8.74023438e-02, -7.08007812e-02, -1.28906250e-01,
-2.67578125e-01, -4.25781250e-01, -3.92578125e-01, -1.17187500e-01,
-5.85937500e-02,  2.35351562e-01,  4.39453125e-03, -1.13769531e-01,
-2.08007812e-01, -2.00195312e-01, -1.48925781e-02, -1.25976562e-01,
 3.14453125e-01, -6.34765625e-02, -7.76367188e-02, -3.84765625e-01,
-2.37304688e-01, -8.98437500e-02,  2.96875000e-01, -3.83300781e-02,
 1.51367188e-01,  9.71679688e-02, -3.76953125e-01, -2.50000000e-01,
 5.39550781e-02,  1.69677734e-02,  1.10351562e-01,  3.41796875e-02,
-1.31835938e-01, -3.80859375e-01, -2.43164062e-01, -3.47656250e-01,
-2.71484375e-01, -2.16796875e-01, -8.59375000e-02, -1.08886719e-01,
-1.54296875e-01, -1.46484375e-01, -1.37695312e-01,  1.27929688e-01,
 1.19140625e-01,  1.43554688e-01, -1.35742188e-01, -2.07031250e-01,
 6.05468750e-02, -1.06201172e-02,  6.44531250e-02, -2.03125000e-01,
-8.59375000e-02,  2.48046875e-01, -1.42578125e-01,  4.88281250e-01,
-1.14257812e-01,  1.88827515e-04, -2.61718750e-01, -1.34765625e-01,
 2.40234375e-01,  1.64062500e-01, -1.95312500e-01,  1.36718750e-01,
 2.47802734e-02, -3.94531250e-01,  1.17187500e-01,  2.71484375e-01,
```

```
        -5.19531250e-01, -1.25976562e-01,  1.02539062e-01, -1.34765625e-01,
         6.88476562e-02, -5.76171875e-02,  5.98144531e-02, -7.76367188e-02,
         1.62109375e-01,  9.66796875e-02,  3.24707031e-02,  2.35351562e-01,
         1.32812500e-01,  2.96875000e-01,  2.41210938e-01, -1.46484375e-02,
        -2.01171875e-01,  5.73730469e-02,  4.39453125e-02, -4.88281250e-02,
         9.42382812e-02, -4.02832031e-02,  1.94335938e-01,  1.36718750e-01,
         6.49414062e-02, -4.27734375e-01, -9.27734375e-02, -4.45312500e-01,
         1.31835938e-01,  5.03906250e-01,  3.85742188e-02,  7.76367188e-02,
        -1.89453125e-01, -1.00097656e-01, -9.30786133e-04, -7.47070312e-02,
         2.13623047e-02, -8.64257812e-02, -1.18652344e-01,  1.27929688e-0
1],
       dtype=float32),
 'ots': array([-5.00488281e-02,  4.00390625e-02, -8.20312500e-02,  9.228515
62e-02,
        -2.55859375e-01, -1.16210938e-01,  4.93164062e-02, -1.87988281e-02,
        -8.78906250e-02,  3.43750000e-01, -3.03955078e-02,  9.66796875e-02,
        -5.05371094e-02,  4.61425781e-02, -5.32226562e-02, -3.45703125e-01,
         1.24023438e-01,  2.09960938e-01, -3.59375000e-01,  1.25000000e-01,
         7.71484375e-02,  2.23632812e-01, -1.59912109e-02,  3.29589844e-02,
        -1.91406250e-01,  8.69140625e-02, -1.19628906e-02,  1.80664062e-02,
         6.22558594e-02, -7.81250000e-03,  3.00781250e-01, -1.38671875e-01,
         7.95898438e-02, -2.13867188e-01, -1.16699219e-01, -1.04980469e-01,
        -1.30859375e-01,  2.38281250e-01,  1.16210938e-01,  9.39941406e-03,
        -2.53906250e-01, -6.64062500e-02, -1.26953125e-01,  3.00781250e-01,
         3.71093750e-02, -1.79687500e-01,  2.25585938e-01, -3.69140625e-01,
        -2.83203125e-01,  2.51953125e-01, -2.13867188e-01,  5.15625000e-01,
         6.68945312e-02,  8.39843750e-02, -1.03515625e-01, -8.39843750e-02,
        -4.21875000e-01, -1.24511719e-01, -4.95605469e-02, -6.68945312e-02,
         2.30712891e-02, -2.03125000e-01, -2.33398438e-01, -1.32812500e-01,
        -1.83593750e-01, -3.20312500e-01,  8.05664062e-02,  2.81250000e-01,
         1.68945312e-01,  1.03515625e-01, -2.18505859e-02,  4.17968750e-01,
        -2.05078125e-01,  1.74560547e-02, -7.91015625e-02,  2.83203125e-01,
         2.29492188e-01,  3.92913818e-04,  7.81250000e-02, -1.54296875e-01,
        -2.06054688e-01, -4.58984375e-01,  1.08886719e-01, -2.28515625e-01,
         7.37304688e-02, -1.65039062e-01,  9.76562500e-02, -8.48388672e-03,
         1.51367188e-01,  2.83203125e-01, -8.74023438e-02,  8.78906250e-02,
        -1.39648438e-01,  3.28125000e-01, -3.12500000e-01,  6.95800781e-03,
        -6.93359375e-02, -2.43164062e-01,  3.47656250e-01, -1.83593750e-01,
         3.18527222e-04, -5.98144531e-02, -1.24023438e-01,  4.74609375e-01,
         2.27539062e-01,  1.22558594e-01, -1.30859375e-01,  3.08593750e-01,
         4.73632812e-02, -6.59179688e-02, -5.02929688e-02, -3.92578125e-01,
         1.26953125e-01, -3.16406250e-01, -5.54199219e-02,  7.76367188e-02,
        -1.52343750e-01,  1.52343750e-01,  2.45117188e-01, -2.23632812e-01,
         8.39843750e-02, -4.02343750e-01, -2.13867188e-01,  5.49316406e-02,
         1.54296875e-01,  7.08007812e-02, -2.89062500e-01, -9.27734375e-02,
         1.73950195e-03,  2.25830078e-02,  1.21582031e-01,  2.72216797e-02,
        -3.73535156e-02, -1.32812500e-01, -1.10351562e-01,  4.24804688e-02,
         2.13867188e-01,  1.91406250e-01,  1.51367188e-01, -1.17675781e-01,
         3.59375000e-01, -3.31115723e-03, -2.93731689e-04, -1.34765625e-01,
        -3.37890625e-01, -1.13281250e-01,  1.11816406e-01,  2.67578125e-01,
        -5.02929688e-02, -2.94921875e-01,  1.24023438e-01, -1.66992188e-01,
         1.61132812e-01, -3.65234375e-01, -2.81250000e-01, -2.00195312e-01,
         1.44531250e-01,  5.74218750e-01,  8.00781250e-02, -2.21679688e-01,
         8.64257812e-02,  1.87500000e-01, -1.47460938e-01, -2.92968750e-01,
         1.51367188e-01, -1.47705078e-02, -1.88476562e-01, -6.39648438e-02,
        -4.12109375e-01,  1.98974609e-02, -2.06054688e-01, -2.75390625e-01,
         1.31835938e-01,  2.86865234e-02, -4.10156250e-02,  3.22265625e-02,
        -1.11328125e-01,  1.00097656e-01, -1.47460938e-01, -2.51953125e-01,
        -8.44726562e-02,  1.12792969e-01, -2.81982422e-02,  1.22070312e-02,
         2.17285156e-02,  1.64062500e-01, -1.56250000e-01, -3.86718750e-01,
        -1.79687500e-01,  1.28906250e-01, -1.17675781e-01,  9.37500000e-02,
        -1.67968750e-01,  2.41210938e-01, -3.14941406e-02,  1.30859375e-01,
        -1.78222656e-02, -1.83593750e-01,  2.09960938e-01, -1.71875000e-01,
         4.37011719e-02,  1.35742188e-01, -1.22558594e-01, -8.88671875e-02,
```

```
         1.72851562e-01, -5.29785156e-02,  6.39648438e-02,  2.42187500e-01,
        -1.65557861e-03, -9.71679688e-02,  1.72851562e-01, -9.32617188e-02,
        -3.03955078e-02,  1.19628906e-01, -5.93261719e-02, -2.74658203e-03,
         3.20312500e-01, -2.09960938e-01,  2.41210938e-01,  2.01171875e-01,
        -2.14843750e-01, -1.77734375e-01, -1.47705078e-02,  2.55859375e-01,
        -2.15820312e-01, -2.49023438e-02, -4.24804688e-02, -3.78906250e-01,
        -1.93359375e-01, -1.00097656e-01,  1.57226562e-01,  1.03515625e-01,
        -7.17773438e-02, -2.85156250e-01, -1.58203125e-01,  2.62451172e-02,
        -2.60009766e-02,  5.54199219e-02,  1.53320312e-01, -4.02832031e-02,
         1.78710938e-01,  1.12304688e-01,  2.24609375e-02,  1.91406250e-01,
        -1.04980469e-02, -1.98974609e-02, -1.10839844e-01,  4.35546875e-01,
        -5.59082031e-02, -2.85156250e-01, -1.97265625e-01, -7.37304688e-02,
        -1.08886719e-01,  3.95507812e-02, -9.76562500e-02, -1.90429688e-01,
        -9.13085938e-02,  2.32421875e-01,  7.71484375e-02,  5.37109375e-02,
        -1.15234375e-01,  1.34277344e-02,  6.83593750e-02,  8.39843750e-02,
         1.61132812e-01,  3.63281250e-01,  2.26562500e-01, -3.80859375e-02,
        -1.09863281e-01, -1.30859375e-01,  1.41601562e-01,  3.24707031e-02,
         1.66015625e-01, -2.79296875e-01,  2.15820312e-01,  6.93359375e-02,
        -2.01171875e-01,  2.69531250e-01, -5.83496094e-02,  2.73437500e-01,
        -2.00195312e-01,  5.51757812e-02, -2.81250000e-01,  6.29882812e-02,
        -1.80664062e-01,  4.94140625e-01, -1.84570312e-01,  3.44238281e-02,
        -1.84570312e-01,  4.54101562e-02, -3.73535156e-02, -2.08007812e-01,
        -2.36328125e-01,  3.67187500e-01, -1.94335938e-01, -6.49414062e-02,
        -2.32421875e-01,  4.12597656e-02, -6.68945312e-02, -1.39648438e-0
1],
       dtype=float32),
 'registered': array([ 0.03088379, -0.19238281,  0.03637695, -0.10107422, -
0.29882812,
        -0.16992188, -0.07177734, -0.12158203,  0.28515625, -0.24804688,
        -0.12792969,  0.13085938, -0.23242188,  0.125     , -0.05102539,
        -0.00927734,  0.04589844, -0.14941406, -0.21582031,  0.06030273,
         0.00540161,  0.08691406, -0.09326172,  0.171875  , -0.01464844,
        -0.21972656, -0.00119019,  0.11572266,  0.07324219, -0.13085938,
         0.02478027, -0.18554688,  0.28515625, -0.31445312,  0.05712891,
        -0.13867188, -0.09619141, -0.10742188,  0.0246582 ,  0.04760742,
         0.01379395, -0.07128906, -0.20214844,  0.2734375 ,  0.03588867,
        -0.20605469, -0.04956055,  0.21386719, -0.21972656, -0.01623535,
         0.03833008,  0.17871094,  0.07666016, -0.08691406, -0.08398438,
         0.07226562, -0.06738281, -0.13867188, -0.19140625, -0.13769531,
         0.09667969, -0.13964844,  0.078125  , -0.41601562, -0.08886719,
         0.19335938, -0.04150391, -0.08154297, -0.06347656,  0.09179688,
         0.11767578,  0.04345703,  0.30078125, -0.13378906,  0.07958984,
         0.00891113,  0.32617188,  0.12402344,  0.20019531, -0.01635742,
        -0.00241089, -0.2890625 ,  0.03540039,  0.23828125, -0.06689453,
         0.08398438, -0.01635742, -0.12792969, -0.06152344,  0.04882812,
         0.17871094,  0.08105469, -0.08935547, -0.07666016, -0.02990723,
        -0.09619141,  0.14648438,  0.06884766, -0.09619141, -0.05151367,
         0.18261719, -0.06933594, -0.18261719,  0.29101562,  0.28710938,
        -0.36523438, -0.03076172,  0.03442383,  0.3828125 ,  0.01831055,
         0.22949219, -0.19824219, -0.3515625 , -0.06591797, -0.28320312,
         0.171875  ,  0.06176758, -0.03149414,  0.3125    ,  0.00921631,
         0.02124023,  0.37695312, -0.09033203,  0.05004883, -0.03540039,
         0.2890625 ,  0.19921875, -0.38085938,  0.11230469,  0.12060547,
         0.01660156,  0.04296875, -0.12402344,  0.05273438,  0.09375   ,
        -0.28515625, -0.37304688,  0.14257812, -0.03295898,  0.00634766,
        -0.39648438,  0.20996094,  0.04516602, -0.26171875,  0.109375  ,
         0.02624512,  0.15722656,  0.05664062, -0.03930664, -0.16601562,
         0.34765625, -0.17480469, -0.20898438, -0.17285156, -0.05517578,
        -0.01721191, -0.09472656, -0.09375   ,  0.09960938, -0.08007812,
        -0.15039062, -0.02758789,  0.20019531,  0.0390625 ,  0.20703125,
        -0.09521484,  0.11425781,  0.14355469, -0.02209473, -0.05444336,
        -0.29492188,  0.10595703,  0.17871094, -0.33007812,  0.07177734,
        -0.13671875,  0.04467773, -0.24707031, -0.15722656, -0.18945312,
         0.15332031, -0.12207031, -0.13476562,  0.203125  , -0.05249023,
```

```
         0.00668335,  0.0546875 , -0.01062012, -0.17382812, -0.02453613,
         0.08496094,  0.03857422, -0.25      ,  0.28515625, -0.04492188,
         0.41210938,  0.12988281,  0.20507812, -0.05273438, -0.171875  ,
         0.29492188,  0.21972656,  0.11523438, -0.11279297, -0.22949219,
        -0.15136719, -0.01745605, -0.10107422,  0.25585938,  0.08251953,
        -0.02160645,  0.34765625, -0.23046875,  0.06176758, -0.19042969,
         0.11914062, -0.06079102, -0.20214844, -0.11425781, -0.25195312,
         0.02539062,  0.43945312, -0.08984375, -0.03271484,  0.13964844,
         0.02282715,  0.11816406,  0.02819824, -0.29296875, -0.25195312,
         0.03759766, -0.01037598,  0.33984375,  0.40625   , -0.19726562,
         0.17285156,  0.29492188, -0.171875  , -0.14648438, -0.21484375,
        -0.11914062, -0.02929688,  0.07128906,  0.13964844,  0.01843262,
         0.12988281,  0.01965332,  0.3515625 ,  0.19140625, -0.21972656,
        -0.05786133, -0.0213623 ,  0.18164062,  0.203125  ,  0.06787109,
         0.05566406,  0.20800781,  0.04858398, -0.11865234, -0.07568359,
        -0.04003906, -0.07324219,  0.16113281, -0.02783203,  0.171875  ,
        -0.11669922,  0.08642578,  0.3046875 ,  0.10253906, -0.1328125 ,
         0.3203125 ,  0.02416992,  0.08154297,  0.01757812, -0.125     ,
        -0.2109375 , -0.33203125, -0.12060547,  0.04467773,  0.02697754,
        -0.12255859,  0.07275391,  0.07763672,  0.00260925,  0.02697754,
        -0.19140625, -0.04931641, -0.23144531, -0.01855469,  0.03857422,
         0.04052734, -0.11669922, -0.09863281, -0.02856445,  0.25390625,
        -0.04516602,  0.11523438, -0.28710938, -0.22460938, -0.14648438],
       dtype=float32),
 'proficient': array([ 0.13183594, -0.17480469,  0.00325012,  0.08007812, -
0.21484375,
         0.21386719,  0.24707031,  0.1875    ,  0.20898438, -0.11279297,
         0.38671875,  0.09814453,  0.08203125,  0.07910156,  0.20507812,
        -0.25      ,  0.13183594, -0.15039062, -0.06176758,  0.03417969,
         0.19824219,  0.03491211, -0.21679688,  0.04663086, -0.06640625,
        -0.09960938, -0.18164062, -0.26171875, -0.01623535, -0.02941895,
         0.05834961, -0.05078125,  0.23925781, -0.10693359, -0.04882812,
         0.05151367,  0.07714844,  0.38867188,  0.01184082,  0.09960938,
         0.31054688, -0.03540039, -0.00491333,  0.26757812,  0.16015625,
         0.24414062, -0.41210938,  0.22265625, -0.28125   ,  0.28515625,
        -0.18945312, -0.16699219, -0.16601562, -0.26757812, -0.04858398,
         0.14160156,  0.47070312, -0.25390625, -0.18457031, -0.06201172,
        -0.11621094,  0.2109375 , -0.20605469, -0.33984375,  0.3046875 ,
         0.18652344, -0.24609375, -0.19433594, -0.14355469,  0.29882812,
        -0.20410156, -0.515625  , -0.10693359,  0.02563477, -0.19140625,
        -0.05175781,  0.08300781,  0.12695312,  0.15625   ,  0.0177002 ,
        -0.15234375,  0.27734375,  0.13085938,  0.45507812,  0.14257812,
         0.17773438,  0.19824219,  0.01623535,  0.37695312, -0.08203125,
        -0.36328125, -0.34179688, -0.24023438, -0.14648438,  0.40625   ,
        -0.17675781,  0.19140625, -0.15234375, -0.20996094,  0.00872803,
        -0.09472656, -0.23046875, -0.35351562, -0.30078125, -0.23144531,
        -0.3046875 ,  0.04248047,  0.17773438,  0.34570312, -0.3203125 ,
         0.10986328,  0.21484375, -0.34570312,  0.12304688, -0.07714844,
         0.45898438,  0.28710938, -0.24707031,  0.0133667 , -0.27734375,
        -0.25976562,  0.12695312,  0.1953125 , -0.23242188,  0.171875  ,
         0.09277344, -0.15234375, -0.14453125,  0.12792969,  0.11425781,
        -0.05712891, -0.20214844, -0.08740234,  0.03198242,  0.05981445,
        -0.03637695,  0.18359375, -0.1171875 , -0.546875  ,  0.12402344,
        -0.34570312,  0.00285339, -0.17578125,  0.11865234, -0.09472656,
         0.03759766, -0.09521484, -0.05053711,  0.03735352, -0.19140625,
         0.05517578,  0.3203125 , -0.09814453,  0.07080078, -0.53125   ,
        -0.17773438, -0.38476562, -0.10449219, -0.1875    , -0.0038147 ,
         0.0480957 ,  0.29492188,  0.30664062, -0.09082031, -0.31054688,
        -0.23730469,  0.14160156, -0.2734375 ,  0.18359375,  0.00976562,
        -0.34375   , -0.11181641, -0.24121094, -0.14355469,  0.15722656,
         0.22070312, -0.11035156, -0.16894531, -0.37304688, -0.20898438,
        -0.18164062, -0.43945312, -0.08251953,  0.13183594, -0.09228516,
         0.22558594,  0.15136719, -0.30859375,  0.06225586,  0.16015625,
        -0.06030273, -0.01092529, -0.31445312, -0.24609375,  0.02392578,
```

```
        -0.15625   ,  0.46875   , -0.17773438, -0.13964844, -0.18554688,
        -0.07568359,  0.2734375 ,  0.3359375 ,  0.0324707 , -0.17285156,
        -0.484375  , -0.00872803, -0.35351562, -0.12158203, -0.1640625 ,
         0.00546265,  0.06640625, -0.06738281, -0.11132812, -0.25390625,
         0.03564453,  0.265625  ,  0.02563477, -0.08837891,  0.0402832 ,
        -0.00081635,  0.12451172, -0.03295898, -0.06591797,  0.18652344,
        -0.05224609,  0.3046875 , -0.11132812, -0.30078125, -0.03979492,
        -0.08642578, -0.16796875,  0.13378906,  0.25      ,  0.17285156,
         0.2578125 ,  0.22070312, -0.0546875 ,  0.06152344,  0.08935547,
        -0.00166321,  0.23925781,  0.21484375,  0.19433594, -0.37890625,
        -0.09814453,  0.23535156, -0.04589844, -0.17089844, -0.29492188,
        -0.15136719, -0.43945312, -0.08642578,  0.47070312,  0.28320312,
        -0.2734375 , -0.27539062,  0.0612793 , -0.10644531,  0.16308594,
         0.04345703,  0.26953125,  0.22265625,  0.04614258,  0.15820312,
        -0.01507568, -0.01867676, -0.04711914, -0.21582031, -0.21191406,
         0.30859375, -0.11816406, -0.40820312,  0.24609375, -0.11865234,
        -0.06494141, -0.20703125, -0.17871094, -0.62890625,  0.12207031,
        -0.06689453,  0.48828125,  0.08154297,  0.17773438, -0.19335938,
        -0.13183594,  0.03198242, -0.07226562,  0.10009766,  0.1328125 ,
         0.15625   , -0.11914062, -0.01757812, -0.24902344,  0.0098877 ,
        -0.03320312,  0.10742188, -0.10888672,  0.20703125,  0.06542969],
       dtype=float32),
 'change': array([-6.00585938e-02, -9.32617188e-02, -7.22656250e-02,  1.914
06250e-01,
        -3.16406250e-01, -5.88378906e-02, -1.82617188e-01, -1.98974609e-02,
         1.09863281e-01,  1.92382812e-01, -1.45507812e-01, -4.69970703e-03,
        -1.18164062e-01,  2.71484375e-01, -2.92968750e-01,  1.79687500e-01,
         5.88378906e-02,  1.05957031e-01, -2.36816406e-02, -2.61718750e-01,
        -1.48437500e-01,  2.22656250e-01,  6.54296875e-02, -7.27539062e-02,
        -4.32968140e-04,  4.78515625e-01,  1.06933594e-01,  8.78906250e-02,
         1.35742188e-01, -3.49426270e-03, -1.97265625e-01, -7.08007812e-02,
        -3.29589844e-02, -1.10351562e-01,  2.14843750e-01, -3.26538086e-03,
         6.59179688e-02,  1.18652344e-01,  4.63867188e-02, -3.34472656e-02,
        -4.00390625e-02,  1.57226562e-01,  9.52148438e-02, -9.91210938e-02,
        -3.12500000e-02, -2.71484375e-01, -9.22851562e-02,  6.88476562e-02,
        -2.62451172e-02,  3.61328125e-02, -1.21582031e-01,  8.10546875e-02,
         1.24511719e-02, -2.20703125e-01, -4.98046875e-02,  1.30859375e-01,
        -1.20117188e-01, -2.45117188e-01, -1.57226562e-01, -1.36718750e-01,
        -4.85839844e-02, -1.96533203e-02, -1.21093750e-01, -2.87109375e-01,
         1.76757812e-01, -8.44726562e-02, -6.15234375e-02,  2.22656250e-01,
        -1.13769531e-01,  1.90429688e-02, -1.79687500e-01,  2.28271484e-02,
        -7.42187500e-02,  2.07031250e-01, -1.34765625e-01,  1.98974609e-02,
         3.73046875e-01,  1.68945312e-01, -1.50390625e-01,  9.47265625e-02,
         3.08593750e-01, -9.66796875e-02,  5.05371094e-02,  3.16406250e-01,
         4.88281250e-02,  9.94873047e-03, -3.22265625e-01,  1.42578125e-01,
         4.44335938e-02,  1.81640625e-01,  2.51953125e-01, -4.32128906e-02,
         7.12890625e-02, -1.39648438e-01,  4.22363281e-02, -3.75000000e-01,
         6.86645508e-03,  8.34960938e-02,  1.19628906e-02, -3.83300781e-02,
         2.72216797e-02,  2.08007812e-01,  7.37304688e-02,  1.91650391e-02,
        -8.44726562e-02, -1.17187500e-01,  1.18164062e-01, -2.87109375e-01,
        -1.51977539e-02, -3.54003906e-02,  4.02832031e-02, -1.87500000e-01,
        -2.89062500e-01, -4.02832031e-02,  3.65234375e-01, -8.74023438e-02,
         7.32421875e-02, -1.09863281e-01,  2.86865234e-02,  7.95898438e-02,
        -2.47070312e-01,  6.39648438e-02, -2.20703125e-01,  2.87109375e-01,
        -2.22656250e-01, -8.20312500e-02,  2.46582031e-02,  5.63964844e-02,
        -1.34765625e-01,  1.22070312e-01,  3.27148438e-02, -1.12304688e-01,
        -6.29882812e-02,  8.23974609e-03,  1.34765625e-01,  3.14941406e-02,
         1.51367188e-01,  8.78906250e-02, -2.00195312e-01,  9.37500000e-02,
         2.96630859e-02, -1.14746094e-01, -2.08984375e-01,  9.71679688e-02,
         1.37695312e-01,  1.58203125e-01,  6.65283203e-03, -5.22460938e-02,
         1.46484375e-01, -1.36718750e-01,  9.86328125e-02, -2.24609375e-01,
        -9.71679688e-02,  3.88183594e-02, -1.91497803e-03, -1.26953125e-01,
         1.01074219e-01, -8.59375000e-02,  1.74804688e-01,  5.90820312e-02,
         1.42822266e-02,  9.57031250e-02, -7.03125000e-02,  6.34765625e-02,
```

```
        -1.58203125e-01, -3.90625000e-02,  5.05371094e-02, -3.05175781e-02,
         2.13867188e-01,  4.68750000e-02, -8.98437500e-02, -5.20019531e-02,
        -1.08032227e-02,  1.44531250e-01,  1.30859375e-01,  1.66015625e-01,
         1.73828125e-01,  7.61718750e-02,  1.42578125e-01, -4.56542969e-02,
        -3.28125000e-01,  4.54101562e-02,  2.94921875e-01, -6.39648438e-02,
         1.70898438e-02,  8.88671875e-02,  1.71875000e-01,  3.57421875e-01,
        -8.98437500e-02,  7.81250000e-03,  1.27929688e-01,  2.41210938e-01,
         6.98242188e-02,  3.51562500e-02,  2.01171875e-01,  5.21850586e-03,
        -1.53808594e-02,  1.55273438e-01, -1.40625000e-01, -7.37304688e-02,
         5.44433594e-02, -1.22070312e-01,  8.39843750e-02, -1.11328125e-01,
        -1.35742188e-01,  9.37500000e-02, -3.14941406e-02,  5.51757812e-02,
         1.86523438e-01,  1.42578125e-01, -1.85546875e-02,  6.05468750e-02,
        -6.49414062e-02,  1.06933594e-01, -2.92968750e-01,  7.65991211e-03,
         1.55273438e-01, -1.55273438e-01, -2.02148438e-01, -3.66210938e-02,
        -1.40625000e-01,  1.95312500e-02, -1.66992188e-01, -1.22558594e-01,
         9.27734375e-02,  1.06201172e-02,  9.52148438e-02,  7.03125000e-02,
        -2.65625000e-01,  2.29492188e-01,  1.66015625e-02,  1.23535156e-01,
         3.06396484e-02, -7.76367188e-02,  1.47460938e-01, -6.44531250e-02,
        -7.71484375e-02, -1.76757812e-01, -9.52148438e-02,  1.50390625e-01,
         1.17187500e-01, -3.06640625e-01, -6.44531250e-02, -1.95312500e-01,
         6.54296875e-02, -1.42211914e-02, -2.36328125e-01,  1.25000000e-01,
        -4.00390625e-02,  1.04980469e-01,  3.36914062e-02,  5.29785156e-02,
        -1.19628906e-01, -1.14746094e-02,  5.12695312e-03, -5.49316406e-02,
        -1.04980469e-02,  9.57031250e-02,  1.11816406e-01,  4.98046875e-02,
         1.06933594e-01, -3.06396484e-02, -1.99218750e-01,  7.12890625e-02,
         1.43554688e-01, -1.99218750e-01,  1.25000000e-01, -3.88183594e-02,
        -1.78710938e-01, -2.85156250e-01,  5.85937500e-02,  1.40625000e-01,
         6.78710938e-02, -2.39257812e-01, -6.94274902e-04, -8.05664062e-02,
        -2.22656250e-01, -1.05468750e-01,  1.96289062e-01, -7.76367188e-02,
         1.85546875e-01,  5.61523438e-02,  1.46484375e-01,  5.51757812e-02,
         1.11816406e-01, -1.06201172e-02, -8.83789062e-02, -1.78710938e-01,
        -9.37500000e-02, -8.20312500e-02, -6.34765625e-02,  5.61523438e-02,
         2.64892578e-02, -6.03027344e-02,  3.12500000e-02,  1.32322311e-05,
         9.91210938e-02,  2.39257812e-02,  1.10839844e-01,  1.01074219e-0
1],
       dtype=float32),
 'teen': array([-4.82177734e-03,  1.13281250e-01, -1.12304688e-01, -9.32617
188e-02,
         3.63769531e-02, -3.24707031e-02, -8.00781250e-02,  1.36718750e-01,
         1.43554688e-01, -2.49023438e-02,  9.96093750e-02, -1.04980469e-01,
         1.26953125e-01, -2.14843750e-01,  2.34375000e-02, -8.83789062e-02,
        -2.07031250e-01,  9.08203125e-02,  5.34667969e-02,  5.76171875e-02,
         3.39843750e-01,  1.43554688e-01, -2.27539062e-01,  3.83300781e-02,
        -1.85546875e-01, -2.89062500e-01,  8.15429688e-02,  3.45703125e-01,
         4.84375000e-01, -2.28515625e-01,  2.56347656e-02, -1.20605469e-01,
        -3.12500000e-01,  1.85546875e-02, -3.94531250e-01,  2.92968750e-02,
         2.38281250e-01, -3.26171875e-01,  8.88671875e-02,  3.97949219e-02,
         2.38037109e-03, -5.22460938e-02,  2.37304688e-01, -1.31835938e-01,
         6.39648438e-02,  3.95507812e-02,  1.00097656e-01,  1.48437500e-01,
         2.91015625e-01,  2.59765625e-01, -1.25976562e-01,  1.55273438e-01,
        -3.00781250e-01,  2.29492188e-02,  1.26953125e-01, -2.81250000e-01,
        -1.46484375e-01,  1.07421875e-01, -1.37695312e-01,  3.22265625e-02,
         1.36718750e-01,  1.68945312e-01, -3.86047363e-03,  4.37011719e-02,
        -1.02539062e-02,  5.82885742e-03, -1.64062500e-01, -5.76171875e-02,
        -1.25732422e-02, -3.34472656e-02, -4.37011719e-02,  1.04492188e-01,
        -2.06054688e-01,  1.48437500e-01, -3.93066406e-02,  4.49218750e-01,
         1.47460938e-01,  1.14257812e-01,  2.51953125e-01, -2.50244141e-03,
         5.83496094e-02, -2.81250000e-01, -4.73632812e-02, -1.08398438e-01,
        -2.39257812e-01,  1.71875000e-01, -1.38671875e-01,  2.77343750e-01,
        -6.34765625e-02, -1.90429688e-01, -7.51953125e-02, -3.37890625e-01,
         9.37500000e-02, -2.55859375e-01,  1.25000000e-01,  8.05664062e-02,
        -1.02539062e-02,  1.28906250e-01, -1.08886719e-01, -5.37109375e-02,
         8.05664062e-02, -2.87109375e-01,  8.54492188e-02, -6.88476562e-02,
         1.26953125e-01, -3.78417969e-02, -2.89306641e-02, -2.63671875e-01,
```

```
        -6.29882812e-02, -7.56835938e-02, -1.96289062e-01,  2.74658203e-03,
        -8.98437500e-02, -2.06054688e-01, -4.58984375e-02,  3.05175781e-02,
         3.14941406e-02,  6.64062500e-02,  1.39648438e-01, -1.98974609e-02,
        -1.49536133e-02,  1.27929688e-01, -1.88476562e-01, -6.68945312e-02,
         2.67578125e-01,  8.64257812e-02,  7.66601562e-02, -2.72216797e-02,
        -1.26953125e-01,  7.86132812e-02,  2.05078125e-02, -5.62500000e-01,
        -1.69921875e-01, -4.48608398e-03, -1.43554688e-01,  1.43554688e-01,
         3.14453125e-01, -1.22070312e-01,  5.12695312e-02,  1.15966797e-02,
         1.68945312e-01, -3.90625000e-01, -5.24902344e-02,  8.39843750e-02,
         8.54492188e-02,  2.28515625e-01,  1.43554688e-01,  3.43750000e-01,
        -1.16699219e-01, -8.05664062e-02,  3.92578125e-01, -6.12792969e-02,
        -9.84191895e-04, -1.16699219e-01, -8.54492188e-02,  9.19342041e-04,
        -1.36108398e-02, -1.15722656e-01,  1.34765625e-01, -8.05664062e-02,
         9.96093750e-02, -1.58691406e-02,  1.66015625e-01,  1.97265625e-01,
        -6.78710938e-02,  1.19628906e-01, -2.91748047e-02, -1.24511719e-01,
         1.07421875e-01, -8.05664062e-03,  1.48437500e-01, -1.87500000e-01,
         2.22167969e-02, -2.87109375e-01, -1.39648438e-01, -7.81250000e-02,
         1.27929688e-01,  1.68457031e-02, -3.71093750e-01, -2.01416016e-02,
         4.49218750e-02, -1.10351562e-01, -6.28662109e-03, -2.97851562e-02,
        -1.23046875e-01,  1.69921875e-01,  5.60760498e-04, -1.22558594e-01,
         7.87353516e-03, -9.03320312e-02,  2.17773438e-01, -7.17773438e-02,
        -1.62109375e-01, -2.10937500e-01, -2.52685547e-02,  1.14257812e-01,
         3.95507812e-02, -2.14843750e-01, -6.39648438e-02, -1.83593750e-01,
         1.07421875e-01, -1.67968750e-01, -5.81054688e-02, -1.99218750e-01,
        -1.09863281e-02, -2.30468750e-01,  1.28173828e-02, -1.88476562e-01,
        -1.37695312e-01, -5.98144531e-02,  1.06445312e-01, -3.24707031e-02,
         1.32812500e-01, -1.14257812e-01, -2.92968750e-01,  1.70898438e-02,
         1.33789062e-01, -1.28906250e-01, -9.27734375e-02, -5.49316406e-02,
        -3.06640625e-01, -1.23535156e-01,  2.40234375e-01, -4.80957031e-02,
        -7.81250000e-02, -1.21093750e-01,  1.47460938e-01, -3.49609375e-01,
         1.03515625e-01,  1.00097656e-01,  7.27539062e-02, -1.82617188e-01,
        -2.30468750e-01,  3.78417969e-02, -1.29394531e-02, -2.19726562e-02,
        -7.78198242e-03, -2.08984375e-01,  1.27929688e-01,  3.63281250e-01,
         3.04687500e-01, -2.23632812e-01, -1.47705078e-02, -3.00781250e-01,
        -3.45703125e-01,  8.20312500e-02, -5.54199219e-02,  2.98828125e-01,
         1.55273438e-01, -3.78417969e-02, -3.46679688e-02,  1.19140625e-01,
         1.06445312e-01,  1.89453125e-01,  2.55859375e-01,  8.93554688e-02,
         1.56250000e-01, -3.34472656e-02, -1.73828125e-01,  6.34765625e-02,
        -6.68945312e-02, -4.07714844e-02, -2.37304688e-01, -2.04101562e-01,
        -1.07421875e-01,  2.94921875e-01, -2.59765625e-01,  1.20605469e-01,
        -7.51953125e-02,  1.96533203e-02, -1.76757812e-01,  7.32421875e-02,
         1.09375000e-01, -7.08007812e-02, -1.33789062e-01, -5.56640625e-02,
         4.05273438e-02, -5.63964844e-02,  2.07519531e-02, -1.31835938e-01,
         1.21582031e-01, -1.49414062e-01, -1.97753906e-02,  3.37890625e-01,
        -1.99218750e-01, -1.02539062e-01, -2.61718750e-01,  3.44238281e-02,
         4.22363281e-02,  3.88671875e-01,  8.74023438e-02, -7.22656250e-02,
        -4.05273438e-02, -2.11914062e-01, -2.63671875e-01,  8.36181641e-03,
         1.37695312e-01,  7.66601562e-02,  6.10351562e-02,  9.08203125e-0
2],
       dtype=float32),
 'asd': array([-6.73828125e-02,  2.17285156e-02, -5.00488281e-02,  1.010742
19e-01,
        -9.47265625e-02,  6.12792969e-02, -6.44531250e-02, -7.95898438e-02,
         8.23974609e-03,  1.89208984e-02, -6.07910156e-02,  1.22558594e-01,
        -1.48437500e-01, -4.57763672e-03, -7.50732422e-03,  6.03027344e-02,
         1.09375000e-01,  8.25195312e-02, -1.42578125e-01, -1.26953125e-02,
        -3.32031250e-02, -2.14843750e-02,  2.34375000e-01, -1.06933594e-01,
        -5.83496094e-02, -3.73535156e-02, -1.82342529e-03,  8.93554688e-02,
         1.19140625e-01,  1.33056641e-02,  5.90820312e-02,  1.02050781e-01,
         1.13525391e-02, -2.01171875e-01,  2.03857422e-02, -4.51660156e-02,
        -2.73437500e-02, -2.13623047e-02,  1.64062500e-01,  8.59375000e-02,
         5.27954102e-03, -5.59082031e-02,  1.09863281e-01, -8.78906250e-02,
         2.29492188e-02,  2.79541016e-02, -1.90429688e-02, -1.84570312e-01,
        -6.73828125e-02, -5.95703125e-02, -1.53320312e-01, -6.25000000e-02,
```

```
         8.59375000e-02,  1.65039062e-01,  8.88671875e-02,  5.98144531e-02,
        -4.10156250e-02,  3.19824219e-02,  6.29882812e-02, -9.81445312e-02,
        -2.84423828e-02,  1.72119141e-02, -3.09753418e-03,  3.06396484e-02,
        -1.28173828e-02, -1.77734375e-01, -6.49414062e-02, -1.63085938e-01,
        -1.08032227e-02,  9.47265625e-02,  8.98437500e-02,  7.47070312e-02,
         6.44531250e-02, -5.24902344e-02, -1.00585938e-01,  5.00488281e-02,
        -8.93554688e-02, -5.98144531e-02, -3.39355469e-02,  7.61718750e-02,
        -1.15722656e-01,  2.57568359e-02,  8.20312500e-02, -1.53320312e-01,
         1.07910156e-01, -2.92968750e-02,  2.08740234e-02,  1.55273438e-01,
        -3.32031250e-02, -3.24707031e-02, -1.19628906e-02,  2.77099609e-02,
        -8.44726562e-02, -3.17382812e-02, -7.86132812e-02,  9.37500000e-02,
         2.53906250e-02,  4.68750000e-02,  1.43554688e-01,  4.83398438e-02,
        -9.22851562e-02, -9.42382812e-02,  1.02050781e-01,  1.66015625e-02,
        -9.76562500e-02,  1.22558594e-01,  2.06298828e-02,  4.76074219e-02,
         1.27563477e-02,  1.04003906e-01, -3.88183594e-02, -1.07910156e-01,
         1.49536133e-02, -2.60009766e-02,  6.29882812e-02, -2.31933594e-02,
        -9.64355469e-03, -1.68945312e-01, -5.00488281e-02, -2.33154297e-02,
         2.62451172e-02,  7.22656250e-02, -4.80957031e-02, -3.32031250e-02,
         1.20117188e-01,  3.06396484e-02, -1.79687500e-01,  2.33398438e-01,
         5.98144531e-02,  3.05175781e-02, -1.72119141e-02, -9.66796875e-02,
         4.05273438e-02, -3.90625000e-02, -7.08007812e-02,  9.61914062e-02,
        -1.12792969e-01,  6.88476562e-02,  6.74438477e-03,  1.10351562e-01,
         1.35742188e-01, -5.71289062e-02,  9.81445312e-02, -1.43554688e-01,
        -5.15136719e-02, -6.22558594e-03,  1.04980469e-01, -1.86523438e-01,
         1.83105469e-02, -1.24023438e-01,  7.47070312e-02, -4.37011719e-02,
        -7.32421875e-02, -9.66796875e-02, -9.66796875e-02, -1.09863281e-01,
        -1.14440918e-03,  1.26953125e-01, -2.81982422e-02,  1.06201172e-02,
        -4.78515625e-02,  4.05273438e-02,  4.68750000e-02,  1.20605469e-01,
        -3.90625000e-02, -1.80664062e-01, -3.40270996e-03,  1.21093750e-01,
        -1.08886719e-01,  7.51953125e-02, -8.20312500e-02,  5.61523438e-02,
         5.07812500e-02, -1.74560547e-02, -1.50756836e-02,  3.90625000e-02,
         2.65836716e-05, -8.69140625e-02,  1.10351562e-01, -4.07714844e-02,
         1.97753906e-02, -5.56640625e-02,  7.72094727e-03,  7.81250000e-02,
        -4.41894531e-02, -4.54101562e-02, -1.38671875e-01,  5.88378906e-02,
         2.45361328e-02, -1.33789062e-01,  4.34570312e-02,  7.27539062e-02,
        -1.28906250e-01, -5.51757812e-02,  9.03320312e-02,  2.16064453e-02,
        -3.03955078e-02, -7.95898438e-02,  9.86328125e-02, -1.68609619e-03,
        -2.51464844e-02,  2.28271484e-02, -1.31835938e-01, -1.85546875e-01,
         6.03027344e-02, -5.95703125e-02, -9.76562500e-02,  1.58691406e-02,
        -1.14746094e-01,  8.25195312e-02,  1.32446289e-02, -7.76367188e-02,
        -1.51367188e-01, -4.27246094e-02, -1.60156250e-01, -1.34887695e-02,
         1.26953125e-01, -1.22070312e-01, -5.20019531e-02, -3.63769531e-02,
        -5.02929688e-02,  7.76367188e-02,  1.56250000e-01,  3.17382812e-02,
        -9.52148438e-02,  3.14941406e-02,  9.32617188e-02, -2.29492188e-02,
         2.07519531e-02, -3.61328125e-02,  1.16210938e-01, -3.27148438e-02,
        -1.21582031e-01, -1.99218750e-01,  4.29687500e-02,  1.03515625e-01,
         1.14135742e-02, -3.68652344e-02,  7.71484375e-02,  8.44726562e-02,
         7.95898438e-02,  6.05468750e-02,  7.56835938e-03, -2.68554688e-02,
        -1.24023438e-01,  9.91821289e-04, -4.98046875e-02,  2.77343750e-01,
        -3.58886719e-02, -7.76367188e-02, -3.88183594e-02,  8.64257812e-02,
         3.68652344e-02,  1.02539062e-01,  2.89306641e-02, -3.19824219e-02,
        -2.28271484e-02,  1.22558594e-01,  7.66601562e-02,  5.63964844e-02,
         5.76171875e-02,  5.37109375e-02,  1.03027344e-01, -4.56542969e-02,
        -8.44726562e-02, -1.16699219e-01, -1.04980469e-02,  4.17480469e-02,
         1.80664062e-01, -1.20605469e-01, -9.96093750e-02, -2.45361328e-02,
         5.46875000e-02, -7.72094727e-03,  1.15234375e-01, -7.08007812e-03,
         8.85009766e-03, -6.07910156e-02, -5.61523438e-02,  2.27539062e-01,
        -6.39648438e-02, -3.29589844e-02, -1.52343750e-01,  7.17773438e-02,
        -4.46319580e-04, -1.26953125e-01,  3.93676758e-03, -3.78417969e-02,
         4.98046875e-02,  1.64031982e-03,  5.20019531e-02,  3.27148438e-02,
         1.85546875e-02, -1.57928467e-03, -1.90429688e-01, -1.17187500e-01,
        -1.59179688e-01, -3.17382812e-02, -5.85937500e-02, -8.66699219e-0
3],
       dtype=float32),
```

```
 'general': array([-0.00300598,  0.07617188,  0.05151367, -0.20410156, -0.3
7109375,
        -0.05078125,  0.24023438, -0.17285156,  0.17480469, -0.09277344,
        -0.05664062,  0.12060547, -0.03039551,  0.05395508, -0.32226562,
        -0.05712891,  0.10107422,  0.12792969, -0.06103516,  0.05029297,
        -0.078125  ,  0.01586914, -0.11474609,  0.0279541 ,  0.14453125,
         0.08105469, -0.19238281,  0.0201416 , -0.24511719,  0.1328125 ,
        -0.14257812, -0.00848389,  0.08544922, -0.06640625,  0.25585938,
        -0.02453613, -0.00248718,  0.08300781,  0.06347656,  0.06445312,
        -0.01733398, -0.14355469,  0.19726562,  0.19433594, -0.08837891,
        -0.04882812, -0.15722656, -0.02294922, -0.13671875,  0.12353516,
         0.21191406, -0.00367737, -0.06201172,  0.17285156, -0.17285156,
         0.1484375 , -0.03930664,  0.006073  ,  0.06201172,  0.0859375 ,
        -0.23925781,  0.1484375 ,  0.05102539,  0.13574219,  0.04223633,
        -0.10986328,  0.00457764, -0.02758789,  0.2109375 , -0.17089844,
         0.08496094, -0.01062012,  0.12890625,  0.09814453, -0.27929688,
        -0.00921631,  0.10644531,  0.0111084 , -0.11425781,  0.08349609,
         0.06835938,  0.02258301, -0.08251953,  0.140625  ,  0.06396484,
        -0.04638672, -0.33984375, -0.16308594, -0.01495361,  0.12353516,
         0.30078125, -0.18945312, -0.11132812,  0.06396484,  0.03198242,
         0.01531982,  0.25195312,  0.12451172, -0.00759888,  0.19335938,
        -0.00427246, -0.13183594, -0.13867188, -0.04736328,  0.09765625,
         0.01135254, -0.02539062, -0.09375   , -0.06884766, -0.10107422,
         0.02087402, -0.203125  , -0.31835938,  0.02954102,  0.171875  ,
         0.14355469,  0.11914062,  0.02355957,  0.30273438,  0.0189209 ,
        -0.24414062,  0.12109375, -0.23339844, -0.26367188, -0.08251953,
         0.04516602, -0.01733398, -0.06787109,  0.31640625, -0.06494141,
         0.07861328, -0.18164062, -0.11865234,  0.01721191,  0.03344727,
        -0.02905273,  0.01635742, -0.12304688,  0.20605469,  0.04052734,
        -0.17480469,  0.11230469,  0.05029297, -0.09667969, -0.09521484,
        -0.390625  , -0.0859375 ,  0.11962891, -0.02905273, -0.01599121,
         0.09521484,  0.03442383, -0.22851562,  0.11328125,  0.0324707 ,
        -0.09472656, -0.04492188, -0.17578125,  0.00189209, -0.06396484,
        -0.02099609,  0.03588867,  0.12597656,  0.08642578,  0.08154297,
        -0.0255127 , -0.14160156,  0.03857422,  0.11474609, -0.00747681,
         0.07226562, -0.12109375,  0.10791016, -0.03613281, -0.00830078,
         0.00860596,  0.1875    , -0.14453125,  0.14453125,  0.08789062,
        -0.09521484, -0.04345703,  0.02416992, -0.08935547, -0.04467773,
        -0.04394531,  0.234375  ,  0.02832031,  0.21484375,  0.28515625,
        -0.01855469,  0.26953125, -0.01342773,  0.15234375, -0.09716797,
        -0.0378418 ,  0.07519531,  0.31640625, -0.24902344,  0.01660156,
        -0.12255859,  0.01818848,  0.16210938,  0.02294922, -0.05761719,
        -0.078125  ,  0.24707031,  0.06640625, -0.21191406,  0.08251953,
         0.05639648, -0.09814453,  0.10107422,  0.0090332 , -0.10107422,
        -0.01422119, -0.00390625, -0.05639648, -0.09228516,  0.03173828,
         0.27148438, -0.109375  ,  0.11230469,  0.01031494,  0.06396484,
        -0.03149414, -0.11816406,  0.07128906, -0.01080322,  0.04272461,
        -0.01361084, -0.10791016,  0.12597656,  0.04882812,  0.14453125,
         0.12353516, -0.00448608,  0.07910156, -0.00087738, -0.00039864,
        -0.0177002 , -0.203125  ,  0.13671875,  0.07373047,  0.03833008,
        -0.10839844, -0.10742188,  0.02722168,  0.24121094,  0.11572266,
        -0.03125   ,  0.08300781, -0.11083984, -0.15917969,  0.06494141,
        -0.09277344, -0.03063965,  0.12792969,  0.07177734, -0.05371094,
        -0.06176758, -0.13085938,  0.12792969,  0.04614258, -0.11865234,
         0.17382812,  0.04418945, -0.13085938,  0.04956055, -0.01367188,
         0.11230469, -0.06591797, -0.16503906, -0.18359375, -0.03930664,
        -0.0234375 , -0.00695801, -0.15234375, -0.10351562,  0.08251953,
         0.00112152, -0.11279297,  0.22460938,  0.01635742,  0.05712891,
         0.28125   , -0.03271484, -0.09619141,  0.234375  ,  0.03271484,
         0.12255859,  0.10986328,  0.17089844,  0.0255127 , -0.01550293,
        -0.171875  ,  0.1640625 , -0.06542969,  0.04296875, -0.02856445],
       dtype=float32),
 'summary': array([-1.52343750e-01, -2.22656250e-01, -6.25610352e-03, -1.98
242188e-01,
```

```
 1.33789062e-01, -1.37695312e-01,  1.04003906e-01,  1.20605469e-01,
 2.10937500e-01,  2.65121460e-04,  1.34277344e-02, -4.83398438e-02,
 8.64257812e-02,  3.94531250e-01, -1.34765625e-01,  5.51757812e-02,
 1.19018555e-02, -1.08886719e-01, -9.76562500e-02, -3.00781250e-01,
 1.60156250e-01,  7.22656250e-02, -4.60937500e-01, -3.66210938e-02,
 7.95898438e-02,  2.19726562e-01,  7.81250000e-02,  3.32031250e-01,
-8.54492188e-02,  2.34375000e-01, -1.48437500e-01, -3.12500000e-01,
 1.38671875e-01,  3.88183594e-02,  4.27246094e-02,  1.02539062e-01,
-1.11816406e-01, -8.49609375e-02,  1.00585938e-01, -1.82617188e-01,
 1.09863281e-01,  1.17187500e-01, -2.25585938e-01,  3.59375000e-01,
-4.30297852e-03, -1.66015625e-01,  4.44335938e-02, -3.14941406e-02,
-2.87109375e-01,  2.73437500e-02,  3.39355469e-02, -2.33398438e-01,
 6.07910156e-02,  1.55273438e-01, -9.57031250e-02, -1.76757812e-01,
-2.30468750e-01, -1.77734375e-01,  5.44433594e-02, -4.34570312e-02,
-2.85156250e-01,  4.34570312e-02, -9.42382812e-02,  1.51367188e-01,
 7.03125000e-02, -6.49414062e-02, -1.80664062e-01,  1.53320312e-01,
 4.04296875e-01, -3.51562500e-01,  1.81640625e-01,  5.15136719e-02,
 2.85156250e-01, -1.45507812e-01,  4.80957031e-02, -1.09863281e-02,
 1.57165527e-03,  1.68945312e-01,  1.02539062e-01,  9.76562500e-02,
 9.76562500e-02, -1.31835938e-01, -2.01171875e-01,  2.41210938e-01,
 3.49609375e-01, -1.43554688e-01, -2.90527344e-02,  4.73632812e-02,
 5.85937500e-02, -1.58203125e-01,  1.47460938e-01, -1.74804688e-01,
 1.18164062e-01,  2.09960938e-01, -2.77343750e-01,  4.71191406e-02,
-1.08398438e-01, -4.46777344e-02,  1.35742188e-01, -3.56445312e-02,
-1.35742188e-01, -5.83496094e-02,  2.71484375e-01, -1.76757812e-01,
 1.70898438e-02,  4.34570312e-02, -1.86523438e-01, -1.40625000e-01,
-1.49414062e-01,  3.90625000e-02, -8.83789062e-02, -3.10546875e-01,
-2.86865234e-02, -2.20703125e-01,  2.10937500e-01, -1.62353516e-02,
 1.39648438e-01,  1.45507812e-01,  2.61718750e-01,  1.04980469e-01,
-3.02734375e-01, -1.92382812e-01, -2.30468750e-01, -6.93359375e-02,
 2.18750000e-01, -8.05664062e-02, -1.83593750e-01, -2.53906250e-01,
 1.30859375e-01, -7.17773438e-02, -2.40234375e-01, -2.63671875e-01,
-6.68945312e-02,  1.42578125e-01, -8.48388672e-03, -6.29882812e-02,
-9.91210938e-02, -2.36328125e-01, -3.11279297e-02,  3.02734375e-02,
 2.77343750e-01,  1.56250000e-02,  1.31835938e-01,  1.00585938e-01,
-1.62109375e-01,  1.48925781e-02,  1.06201172e-02, -2.13867188e-01,
-1.87500000e-01,  5.90820312e-02,  1.30859375e-01,  9.81445312e-02,
-2.77343750e-01,  1.33789062e-01,  1.25976562e-01, -5.07812500e-01,
-4.97436523e-03,  4.54101562e-02, -2.53906250e-01,  6.34765625e-02,
 1.16210938e-01,  1.38671875e-01, -7.22656250e-02, -6.73828125e-02,
-5.49316406e-02, -8.25195312e-02,  2.02148438e-01,  7.71484375e-02,
-6.83593750e-02, -1.49414062e-01, -4.49218750e-02,  2.41699219e-02,
-9.52148438e-02, -3.06640625e-01,  1.42578125e-01, -7.91015625e-02,
-9.57031250e-02, -4.80957031e-02, -1.67236328e-02, -1.24023438e-01,
-2.09960938e-01,  2.33154297e-02, -5.66406250e-02, -7.66601562e-02,
-2.25585938e-01,  1.60156250e-01, -7.95898438e-02,  2.69531250e-01,
-1.27929688e-01,  1.73828125e-01,  2.25830078e-02, -3.12500000e-02,
 6.49414062e-02, -2.59765625e-01,  2.31445312e-01, -4.57763672e-03,
 4.78515625e-02, -4.39453125e-01, -8.25195312e-02, -2.91748047e-02,
-2.90527344e-02,  1.10351562e-01, -1.25976562e-01, -3.36914062e-02,
 2.51464844e-02,  4.49218750e-02, -7.12890625e-02,  1.12915039e-02,
 1.38092041e-03, -5.44433594e-02, -7.78198242e-03,  2.59765625e-01,
 9.66796875e-02, -1.26953125e-01, -2.26562500e-01,  8.98437500e-02,
 1.75781250e-01,  1.13281250e-01,  2.94921875e-01, -1.47460938e-01,
 1.21582031e-01,  7.71484375e-02, -1.10351562e-01, -3.53515625e-01,
 1.81640625e-01, -3.67187500e-01,  2.24609375e-01,  2.39257812e-02,
 1.32812500e-01, -1.85546875e-02,  1.82617188e-01, -1.25000000e-01,
 5.39550781e-02, -1.62109375e-01, -7.37304688e-02, -2.11181641e-02,
 3.46679688e-02,  2.42187500e-01,  2.87109375e-01, -1.35742188e-01,
 6.07299805e-03,  1.97265625e-01,  1.21582031e-01, -2.92968750e-01,
 1.51367188e-01,  5.07812500e-02, -1.19140625e-01, -1.48925781e-02,
-7.32421875e-02,  1.60156250e-01,  1.11328125e-01,  4.92187500e-01,
-2.63671875e-01, -1.47460938e-01, -6.03027344e-02, -1.89453125e-01,
-2.01171875e-01, -1.35742188e-01, -5.20019531e-02, -2.99072266e-02,
```

```
         1.56250000e-01,  3.34472656e-02, -1.51367188e-01, -2.06054688e-01,
         4.02832031e-03,  3.43750000e-01, -2.56347656e-02, -1.47460938e-01,
        -5.39550781e-02, -2.55859375e-01,  2.41210938e-01,  2.36328125e-01,
        -1.20849609e-02, -5.34667969e-02, -6.98242188e-02,  6.03027344e-02,
        -1.18652344e-01, -2.17773438e-01,  1.44531250e-01,  1.71875000e-01,
         1.19140625e-01,  3.01513672e-02, -3.96484375e-01,  1.81640625e-01,
        -3.61328125e-01, -1.71875000e-01,  9.57031250e-02,  1.33789062e-01,
         1.59912109e-02, -5.76171875e-02,  1.68945312e-01, -1.87500000e-01,
         1.00585938e-01,  1.20605469e-01, -1.40625000e-01, -2.57812500e-01,
         2.56347656e-03, -3.83300781e-02,  4.46777344e-02,  5.20019531e-0
2],
       dtype=float32),
 'seeking': array([ 1.62353516e-02,  2.63671875e-01, -5.44433594e-02, -3.76
953125e-01,
        -1.59179688e-01, -1.20239258e-02, -3.54003906e-02, -2.96630859e-02,
        -1.82617188e-01,  2.56347656e-02, -1.59179688e-01,  6.00585938e-02,
        -1.38671875e-01,  4.05273438e-02, -8.05664062e-02, -1.04370117e-02,
        -4.34570312e-02, -3.80859375e-02,  9.61914062e-02,  1.68945312e-01,
        -1.59179688e-01, -4.41894531e-02, -8.83789062e-02, -1.56250000e-01,
        -1.31835938e-01, -3.43750000e-01, -1.39648438e-01,  2.20703125e-01,
         1.25122070e-03,  4.02832031e-02,  3.41796875e-01, -1.71875000e-01,
        -2.47070312e-01, -8.69140625e-02, -7.22656250e-02, -1.59912109e-02,
         8.59375000e-02, -1.07910156e-01,  1.76757812e-01, -6.17675781e-02,
         2.36816406e-02,  7.38525391e-03, -1.57226562e-01, -1.64062500e-01,
        -1.85546875e-01, -3.61328125e-01, -4.61425781e-02,  2.14843750e-01,
        -5.90820312e-02,  1.68945312e-01, -2.46093750e-01, -4.34570312e-02,
        -1.61132812e-01,  2.92968750e-01,  7.51953125e-02,  4.23828125e-01,
        -3.10058594e-02, -1.07421875e-01,  4.02832031e-02,  4.24804688e-02,
         7.66601562e-02,  1.44531250e-01, -2.41210938e-01,  1.11083984e-02,
         2.33154297e-02,  9.44137573e-05,  1.76757812e-01,  1.59179688e-01,
         5.00488281e-02, -1.00585938e-01,  2.11181641e-02, -4.15039062e-02,
         9.66796875e-02,  1.35742188e-01, -1.13769531e-01, -6.54296875e-02,
         9.17968750e-02,  1.00097656e-01,  4.54101562e-02,  1.01074219e-01,
        -5.82885742e-03,  4.19921875e-02, -2.50000000e-01,  2.04101562e-01,
        -7.99560547e-03, -1.44531250e-01, -2.61718750e-01, -8.98437500e-02,
        -8.93554688e-02, -1.22070312e-01,  3.29589844e-03, -1.01074219e-01,
        -1.15722656e-01, -1.98242188e-01,  1.09375000e-01, -9.32617188e-02,
         2.23632812e-01,  1.31835938e-02, -7.95898438e-02,  9.91210938e-02,
         3.43322754e-03, -1.85546875e-02, -1.08886719e-01, -4.07714844e-02,
         1.42578125e-01,  6.12792969e-02,  2.56347656e-02, -1.05468750e-01,
         7.22656250e-02,  1.46484375e-01, -1.72851562e-01,  2.41210938e-01,
        -2.45117188e-01,  2.85644531e-02,  1.40625000e-01,  1.02539062e-02,
         5.46875000e-02, -4.85839844e-02,  3.10546875e-01,  2.08984375e-01,
         1.00097656e-01, -3.12500000e-02, -7.12890625e-02,  1.90429688e-01,
        -1.25000000e-01, -7.32421875e-02,  4.02832031e-02, -2.96875000e-01,
        -1.27929688e-01, -3.93066406e-02,  3.57421875e-01, -9.71679688e-02,
        -1.22070312e-01, -2.41210938e-01, -8.69140625e-02, -3.69140625e-01,
        -3.08837891e-02,  6.49414062e-02,  1.11816406e-01,  1.14257812e-01,
         2.64892578e-02, -6.98242188e-02, -1.87500000e-01,  4.22363281e-02,
         7.17773438e-02, -2.42919922e-02, -3.04687500e-01, -2.29492188e-01,
        -8.25195312e-02,  4.93164062e-02,  7.12890625e-02,  7.76367188e-02,
         1.19628906e-02, -1.71875000e-01, -3.34472656e-02,  1.19140625e-01,
        -1.29882812e-01,  1.66992188e-01,  9.17968750e-02, -3.85742188e-02,
        -2.11181641e-02,  9.13085938e-02,  1.09863281e-01, -1.16699219e-01,
         1.29882812e-01, -2.09960938e-01, -1.39770508e-02,  3.32031250e-02,
         2.06054688e-01, -1.61132812e-01, -2.66113281e-02, -1.07910156e-01,
        -2.51953125e-01, -3.60107422e-03, -1.53320312e-01, -2.31445312e-01,
         2.57812500e-01,  9.03320312e-02, -4.43359375e-01,  3.29589844e-02,
        -1.15234375e-01, -1.80664062e-01, -1.76757812e-01, -6.07910156e-02,
        -6.44531250e-02, -3.28125000e-01, -1.97265625e-01,  7.27539062e-02,
         3.26171875e-01, -1.44531250e-01, -9.07897949e-04, -2.55126953e-02,
         1.64062500e-01, -7.76367188e-02, -1.42578125e-01, -9.39941406e-03,
        -2.91748047e-02,  5.02929688e-02, -7.32421875e-02, -1.27929688e-01,
        -3.78417969e-02,  1.94335938e-01,  2.65502930e-03,  7.71484375e-02,
```

```
        -3.03955078e-02,  1.66015625e-01,  3.17382812e-02,  1.19140625e-01,
        -9.76562500e-02, -8.78906250e-02,  1.23596191e-03,  1.77734375e-01,
         1.70898438e-02,  4.07714844e-02,  8.44726562e-02,  6.93359375e-02,
        -3.53515625e-01,  9.42382812e-02,  2.12890625e-01,  5.81054688e-02,
         1.64062500e-01, -1.49414062e-01, -1.80664062e-02,  3.45703125e-01,
         5.54199219e-02,  1.70898438e-01, -1.22680664e-02,  5.64575195e-03,
         1.14746094e-01,  6.05468750e-02,  2.24609375e-01, -4.02832031e-02,
        -4.73022461e-03,  2.14843750e-01, -6.59179688e-02, -5.34057617e-03,
         1.61132812e-01, -3.80859375e-01, -3.73535156e-02, -8.59375000e-02,
         8.30078125e-02, -1.37695312e-01, -9.91210938e-02,  4.63867188e-02,
         1.55273438e-01,  2.12890625e-01,  1.90429688e-02,  3.33984375e-01,
         2.37304688e-01, -8.49609375e-02, -1.36108398e-02,  1.62109375e-01,
         1.28906250e-01,  2.03125000e-01, -5.02929688e-02,  2.07519531e-03,
         3.16406250e-01, -1.27929688e-01, -1.42578125e-01,  3.08837891e-02,
        -3.35937500e-01,  7.76367188e-02,  5.83496094e-02,  5.59082031e-02,
        -8.72802734e-03,  1.92871094e-02,  2.14843750e-01,  4.17480469e-02,
        -6.29882812e-02,  2.25067139e-04,  8.98437500e-02,  1.26953125e-01,
         2.98828125e-01, -1.51367188e-01, -5.51757812e-02,  4.24804688e-02,
         5.79833984e-03, -1.10351562e-01, -1.01928711e-02,  2.77343750e-01,
        -3.14453125e-01, -2.11914062e-01, -2.50244141e-02,  1.74804688e-01,
        -5.34667969e-02,  5.56640625e-02,  4.32128906e-02,  1.79687500e-01,
        -6.64062500e-02, -7.61718750e-02, -9.27734375e-02, -5.44433594e-02,
         1.48437500e-01,  4.24804688e-02,  4.54101562e-02, -1.01928711e-02,
         3.63281250e-01,  3.44238281e-02,  1.97753906e-02,  2.63671875e-0
2],
       dtype=float32),
 'skilled': array([-2.11914062e-01,  1.55273438e-01,  3.32031250e-02, -2.45
361328e-02,
        -1.02539062e-01,  1.92382812e-01,  2.02148438e-01,  3.44238281e-02,
        -1.21093750e-01, -1.86523438e-01,  2.98828125e-01,  1.21582031e-01,
         2.76184082e-03, -1.96289062e-01,  2.15820312e-01, -7.66601562e-02,
        -1.06933594e-01,  2.37304688e-01,  1.12792969e-01, -1.32812500e-01,
         1.27929688e-01,  1.05468750e-01,  1.21582031e-01, -1.56250000e-02,
        -1.17187500e-01,  3.88183594e-02, -2.07031250e-01, -2.90527344e-02,
        -1.46484375e-01, -2.15820312e-01,  2.41699219e-02,  1.47460938e-01,
         2.42187500e-01, -2.08007812e-01,  2.44140625e-01, -5.54199219e-02,
        -1.50390625e-01,  1.77734375e-01,  3.08837891e-02, -1.98242188e-01,
         1.78710938e-01, -8.69140625e-02,  9.08203125e-02,  6.39648438e-02,
        -6.39648438e-02, -2.27355957e-03, -3.33984375e-01,  1.11816406e-01,
         1.73339844e-02,  4.66918945e-03, -2.03125000e-01, -7.86132812e-02,
        -2.53906250e-01, -1.76757812e-01, -1.45874023e-02, -1.00097656e-01,
         3.78906250e-01, -2.33154297e-02, -1.41601562e-01,  1.27929688e-01,
         8.05664062e-03, -1.92382812e-01, -4.37500000e-01, -1.57226562e-01,
         3.44238281e-02,  7.51953125e-02, -1.52343750e-01, -1.53320312e-01,
         4.17480469e-02, -1.15966797e-03, -4.32128906e-02, -2.32421875e-01,
         1.34765625e-01, -1.61743164e-03, -1.06933594e-01, -2.83203125e-02,
        -1.02050781e-01,  3.18359375e-01,  1.68457031e-02,  2.08984375e-01,
        -1.25976562e-01,  4.31640625e-01, -4.10156250e-02,  1.24023438e-01,
         9.13085938e-02, -2.59765625e-01, -1.49414062e-01,  2.48046875e-01,
         3.47656250e-01,  3.24707031e-02,  4.85839844e-02,  1.48437500e-01,
        -3.20312500e-01,  4.02832031e-02,  2.94921875e-01, -1.76757812e-01,
         7.37304688e-02,  2.61718750e-01,  1.21459961e-02, -5.35156250e-01,
        -2.34375000e-01, -1.62109375e-01, -1.37695312e-01,  3.22265625e-02,
        -2.53906250e-02, -4.94140625e-01,  1.76757812e-01, -8.98437500e-02,
         2.75390625e-01, -1.59179688e-01,  1.28906250e-01, -6.22558594e-02,
        -4.23828125e-01,  2.08007812e-01,  1.57226562e-01,  9.91210938e-02,
         2.59765625e-01, -3.26171875e-01,  1.00097656e-01, -2.91015625e-01,
        -3.39843750e-01,  8.10546875e-02,  5.98144531e-02, -1.58691406e-02,
         1.38671875e-01,  1.62109375e-01, -4.18090820e-03, -3.20312500e-01,
        -2.06054688e-01,  8.93554688e-02,  2.02148438e-01,  6.49414062e-02,
        -2.11914062e-01,  1.74804688e-01, -4.76074219e-02, -2.37304688e-01,
        -2.13867188e-01,  1.13281250e-01, -4.39453125e-02,  7.47070312e-02,
        -6.93359375e-02, -2.23632812e-01,  1.20117188e-01,  1.24511719e-01,
        -1.61132812e-01,  1.85546875e-01,  7.42187500e-02,  3.18359375e-01,
```

```
        -3.02124023e-03, -7.81250000e-02,  1.05957031e-01, -4.17480469e-02,
         6.73828125e-02,  2.13867188e-01, -3.83300781e-02,  1.87988281e-02,
        -1.64794922e-02, -2.58789062e-02, -3.71093750e-02, -3.82812500e-01,
         5.88378906e-02, -3.96728516e-03, -1.28784180e-02, -2.94921875e-01,
        -6.83593750e-02, -2.38281250e-01, -7.76367188e-02, -3.94531250e-01,
        -1.05957031e-01, -1.38549805e-02, -1.43554688e-01, -9.17968750e-02,
        -2.34375000e-01, -2.85156250e-01,  1.88476562e-01, -1.60156250e-01,
        -5.49316406e-02, -9.08203125e-02, -1.37329102e-02, -1.18652344e-01,
         4.32128906e-02, -4.35546875e-01, -5.07812500e-02, -7.91015625e-02,
        -3.45703125e-01,  2.98828125e-01,  3.61328125e-01, -1.33789062e-01,
         6.83593750e-02,  2.21679688e-01, -6.93359375e-02,  1.66015625e-01,
        -1.31835938e-01, -7.91015625e-02, -4.54101562e-02,  8.93554688e-02,
        -1.15722656e-01, -9.86328125e-02, -1.20117188e-01, -2.53906250e-01,
         5.59082031e-02,  3.37890625e-01,  7.47070312e-02, -2.16796875e-01,
        -2.89062500e-01, -3.24218750e-01, -1.18408203e-02, -1.20605469e-01,
         1.08398438e-01,  7.75146484e-03, -5.83496094e-02, -2.36328125e-01,
         3.28063965e-03, -6.93359375e-02,  1.50390625e-01, -6.83593750e-02,
         1.44531250e-01,  3.73535156e-02, -2.73437500e-01,  1.11328125e-01,
         2.32421875e-01, -2.90527344e-02, -2.81250000e-01, -3.63769531e-02,
         1.56250000e-01, -2.03125000e-01,  4.93164062e-02, -3.14712524e-04,
        -1.44042969e-02,  2.47192383e-03, -2.51770020e-03, -1.25000000e-01,
         4.49218750e-02, -1.46484375e-02,  5.05371094e-02, -1.30859375e-01,
         1.34887695e-02, -3.14453125e-01, -1.62109375e-01, -1.67968750e-01,
        -6.29882812e-02,  3.06640625e-01, -1.92382812e-01, -1.03515625e-01,
        -6.05468750e-02,  6.29882812e-02,  2.35595703e-02,  6.17675781e-02,
        -6.83593750e-02, -2.61718750e-01, -6.29882812e-02, -1.84570312e-01,
        -2.57568359e-02,  4.84375000e-01,  5.58471680e-03, -9.03320312e-02,
         1.38671875e-01, -3.41796875e-02, -2.45117188e-01,  1.03515625e-01,
         1.40625000e-01, -1.07910156e-01,  1.74560547e-02,  2.11914062e-01,
         1.83105469e-02,  1.59179688e-01, -1.27563477e-02, -1.25976562e-01,
         2.17773438e-01, -6.78710938e-02,  7.17773438e-02, -2.00195312e-02,
        -1.97265625e-01,  2.03857422e-02,  6.44531250e-02,  2.48046875e-01,
        -1.71875000e-01, -5.17578125e-02, -2.12890625e-01,  4.04296875e-01,
        -3.16406250e-01,  1.39770508e-02,  1.42211914e-02,  1.46484375e-01,
        -7.86132812e-02, -7.56835938e-02, -1.83593750e-01, -1.64062500e-01,
         2.03125000e-01,  1.26953125e-01, -1.77734375e-01,  1.36718750e-01,
        -5.78613281e-02, -3.95507812e-02, -3.94531250e-01,  1.19628906e-01,
         1.22558594e-01, -1.98242188e-01,  1.68457031e-02,  7.95898438e-0
2],
       dtype=float32),
 'motivated': array([-3.78417969e-02,  3.24218750e-01,  6.64062500e-02, -2.
06054688e-01,
        -2.51953125e-01,  1.49414062e-01,  2.31445312e-01, -7.71484375e-02,
         7.32421875e-02, -2.06298828e-02,  2.73437500e-01,  1.46484375e-01,
         1.47460938e-01,  2.78320312e-02,  1.78710938e-01, -1.07910156e-01,
        -1.06811523e-02,  1.41601562e-01,  1.69921875e-01, -1.34887695e-02,
         7.51953125e-02,  2.99072266e-02, -5.39550781e-02, -3.12500000e-02,
        -3.00781250e-01, -2.02148438e-01, -8.98437500e-02, -5.10253906e-02,
        -3.61328125e-02,  1.44531250e-01,  3.39843750e-01, -2.50244141e-02,
         6.78710938e-02,  7.87353516e-03, -9.08203125e-02,  2.39257812e-02,
        -1.27929688e-01,  1.64794922e-02,  1.65039062e-01,  7.03125000e-02,
         2.02148438e-01,  1.21582031e-01, -9.27734375e-02,  6.64062500e-02,
        -1.02539062e-02, -2.02148438e-01, -1.87500000e-01, -1.47460938e-01,
        -1.67236328e-02, -7.37304688e-02,  4.30297852e-03, -2.80761719e-02,
        -1.80664062e-01,  1.69921875e-01, -9.47265625e-02,  3.28125000e-01,
         1.41601562e-01, -9.96093750e-02, -2.71484375e-01, -8.54492188e-02,
         1.68945312e-01, -2.09960938e-01, -1.38671875e-01,  2.65625000e-01,
         7.81250000e-02,  2.42187500e-01, -7.12890625e-02,  2.07031250e-01,
         8.66699219e-03, -2.94189453e-02, -7.27539062e-02, -1.16699219e-01,
         9.52148438e-02,  3.17382812e-02, -1.91406250e-01, -2.89062500e-01,
         2.96875000e-01,  2.16796875e-01,  2.73437500e-02,  7.56835938e-02,
        -2.70996094e-02,  2.07031250e-01,  3.34472656e-02,  1.18652344e-01,
        -1.56250000e-01, -3.67187500e-01, -1.33789062e-01,  2.63671875e-01,
         3.11279297e-02, -9.57031250e-02,  1.24023438e-01,  8.20312500e-02,
```

```
        -1.92382812e-01, -9.94873047e-03,  5.39062500e-01, -2.50000000e-01,
         1.22070312e-01,  9.81445312e-02, -2.34375000e-02, -4.68750000e-02,
        -2.27539062e-01, -1.23046875e-01,  1.87988281e-02,  1.08886719e-01,
         2.64892578e-02, -1.25976562e-01,  6.12792969e-02, -3.20312500e-01,
         2.92968750e-01, -2.42187500e-01, -1.96289062e-01, -2.89062500e-01,
        -1.87500000e-01,  4.61425781e-02,  1.95312500e-01,  4.85229492e-03,
         9.08203125e-02, -1.95312500e-01,  1.54296875e-01,  1.07421875e-01,
        -2.12890625e-01,  9.27734375e-02,  3.35937500e-01, -1.41601562e-01,
        -2.59765625e-01, -3.01513672e-02, -1.17797852e-02, -1.85546875e-01,
        -2.40234375e-01, -2.91748047e-02, -1.42578125e-01, -2.32421875e-01,
         5.00488281e-02, -2.80761719e-02, -1.79443359e-02, -7.61718750e-02,
         8.34960938e-02,  3.51562500e-01, -1.06445312e-01,  2.16796875e-01,
        -2.46582031e-02, -2.34375000e-01,  6.59179688e-02, -3.12500000e-01,
        -3.20312500e-01,  5.37109375e-02, -1.25000000e-01, -9.13085938e-02,
        -2.57568359e-02, -2.11914062e-01,  2.39257812e-01,  4.93164062e-02,
         7.86132812e-02,  1.12304688e-01,  7.71484375e-02,  2.42187500e-01,
        -6.34765625e-02,  1.12915039e-02,  5.12695312e-02,  4.68750000e-02,
         2.19726562e-01,  1.16210938e-01, -1.25976562e-01,  1.44531250e-01,
         7.91015625e-02, -2.08984375e-01,  7.86132812e-02,  4.76074219e-02,
         2.32421875e-01,  2.08007812e-01, -3.67187500e-01, -3.88671875e-01,
        -4.66308594e-02, -3.65234375e-01, -1.59179688e-01,  4.10156250e-02,
        -7.76367188e-02, -1.03515625e-01, -1.03149414e-02, -7.08007812e-02,
        -7.42187500e-02, -1.92382812e-01,  7.32421875e-02,  5.95092773e-03,
        -2.55859375e-01,  4.05273438e-02, -3.51562500e-01,  2.94921875e-01,
         2.75878906e-02, -1.71875000e-01, -1.80664062e-01,  2.01171875e-01,
         1.37695312e-01, -6.39648438e-02, -2.59765625e-01, -5.59082031e-02,
         4.66308594e-02,  2.42187500e-01, -3.22265625e-01,  9.76562500e-02,
         8.85009766e-03,  1.02050781e-01, -7.86132812e-02, -1.89453125e-01,
        -1.36718750e-01, -2.41210938e-01, -1.33789062e-01, -1.11328125e-01,
        -7.44628906e-03, -1.60156250e-01, -7.32421875e-02,  1.53320312e-01,
         6.83593750e-02,  4.51660156e-02,  1.10839844e-01, -6.39648438e-02,
        -8.54492188e-02, -1.42578125e-01, -1.14257812e-01,  1.04492188e-01,
         4.66308594e-02, -3.03955078e-02, -4.51660156e-03,  7.76367188e-02,
         6.22558594e-02, -1.63085938e-01,  3.57421875e-01, -1.50390625e-01,
        -9.17968750e-02, -1.33056641e-02,  4.61425781e-02,  4.15039062e-02,
         1.61132812e-01, -6.39648438e-02,  1.38671875e-01, -4.83398438e-02,
         1.58203125e-01,  2.28271484e-02,  6.44531250e-02,  5.34057617e-03,
         6.64062500e-02, -4.05883789e-03, -1.42578125e-01, -8.66699219e-03,
        -1.14746094e-01,  2.91015625e-01, -7.37304688e-02,  4.10156250e-02,
         3.41796875e-02, -5.46875000e-02, -1.19628906e-01,  1.30859375e-01,
         7.12890625e-02,  2.23632812e-01,  4.54101562e-02, -7.59887695e-03,
         6.92749023e-03, -2.08007812e-01, -2.89306641e-02,  8.59375000e-02,
        -7.32421875e-02,  8.54492188e-02, -2.28515625e-01,  1.52343750e-01,
         5.56640625e-02,  2.73437500e-01,  8.72802734e-03,  1.17187500e-01,
         1.78337097e-04,  1.28906250e-01,  1.11816406e-01,  1.69677734e-02,
         1.51367188e-01,  3.65234375e-01, -2.32421875e-01,  7.47680664e-04,
        -1.94335938e-01,  3.85742188e-02, -1.14257812e-01,  2.47070312e-01,
        -2.45117188e-01, -5.39550781e-02, -2.06054688e-01, -1.60156250e-01,
        -9.42382812e-02,  6.34765625e-02,  7.51953125e-02,  2.71484375e-01,
         3.06640625e-01, -9.13085938e-02, -2.33398438e-01,  3.02734375e-01,
        -3.39843750e-01, -9.08203125e-02, -2.87109375e-01, -1.00097656e-01,
        -1.57226562e-01, -5.00488281e-02,  1.80664062e-01, -1.16210938e-0
1],
       dtype=float32),
 'join': array([-0.05639648,  0.05004883,  0.10986328,  0.2265625 , -0.1933
5938,
         0.23828125, -0.16210938, -0.33398438,  0.17578125, -0.08398438,
         0.00213623,  0.10742188, -0.04760742, -0.00309753,  0.03173828,
         0.13476562,  0.24804688, -0.09716797, -0.05004883,  0.07275391,
         0.09765625,  0.22070312, -0.03320312,  0.28710938,  0.00157928,
         0.0111084 , -0.03320312, -0.03222656, -0.16015625, -0.13574219,
         0.11425781,  0.16601562, -0.12011719, -0.09960938, -0.00793457,
        -0.06787109,  0.13671875, -0.00396729,  0.07763672,  0.20507812,
        -0.05004883, -0.02026367,  0.05981445, -0.14160156, -0.171875  ,
```

```
         0.08007812, -0.38867188, -0.09765625,  0.16503906,  0.32421875,
        -0.06054688,  0.06030273,  0.05273438, -0.0090332 ,  0.04370117,
        -0.24023438, -0.02526855, -0.14160156, -0.07714844, -0.38671875,
         0.11572266, -0.15332031, -0.15039062,  0.10546875, -0.19335938,
        -0.03100586,  0.04223633, -0.05395508,  0.00282288,  0.44335938,
        -0.10253906, -0.03979492,  0.21972656,  0.11376953,  0.15429688,
        -0.36523438,  0.06347656, -0.12890625, -0.00044441, -0.01599121,
         0.06738281,  0.02453613,  0.20703125,  0.10302734,  0.11914062,
        -0.03955078, -0.1640625 , -0.3671875 ,  0.18652344,  0.06298828,
         0.40820312, -0.09179688, -0.04516602, -0.23144531,  0.12597656,
         0.15527344,  0.08984375,  0.22753906, -0.14648438, -0.33984375,
        -0.15039062,  0.00558472,  0.125     ,  0.21875   , -0.09960938,
        -0.24804688,  0.20507812, -0.05126953, -0.02026367,  0.12597656,
        -0.00622559,  0.06030273,  0.02099609, -0.24707031,  0.14746094,
        -0.0177002 ,  0.14746094, -0.03979492,  0.1640625 , -0.09716797,
         0.24121094, -0.06738281, -0.15722656,  0.20898438,  0.08740234,
        -0.12792969, -0.05224609, -0.16796875,  0.19433594,  0.23925781,
         0.19140625, -0.04150391,  0.12158203,  0.00549316,  0.08740234,
         0.12890625,  0.1328125 , -0.06445312,  0.01184082,  0.11083984,
        -0.11425781,  0.07958984, -0.16210938, -0.24609375,  0.09570312,
         0.19726562, -0.01080322, -0.1875    ,  0.15429688, -0.05859375,
         0.13867188,  0.1328125 , -0.11425781,  0.06103516,  0.29296875,
        -0.09667969, -0.02209473, -0.35742188,  0.03466797, -0.265625  ,
         0.11328125, -0.10742188, -0.08544922, -0.109375  ,  0.17871094,
        -0.33984375,  0.16308594, -0.08056641, -0.12695312,  0.06494141,
        -0.02026367, -0.17480469,  0.27734375, -0.21875   ,  0.20898438,
        -0.15234375, -0.1640625 , -0.03515625,  0.04272461, -0.07226562,
        -0.14355469, -0.16015625, -0.00315857,  0.15917969, -0.05200195,
         0.09814453,  0.10107422,  0.01135254, -0.03222656, -0.16699219,
         0.19726562,  0.06298828,  0.06640625, -0.03588867,  0.16796875,
         0.12158203,  0.26757812,  0.23144531, -0.18359375, -0.37695312,
         0.03198242, -0.09326172,  0.09814453,  0.05541992, -0.34960938,
         0.05419922,  0.078125  ,  0.06787109,  0.05664062, -0.01538086,
         0.06689453,  0.04980469,  0.13671875,  0.06884766, -0.07910156,
         0.16992188,  0.0534668 , -0.31445312, -0.06738281, -0.06445312,
         0.12158203, -0.00756836, -0.16015625,  0.18457031,  0.13769531,
        -0.1953125 ,  0.06347656, -0.14648438,  0.15136719, -0.0267334 ,
         0.13867188, -0.0055542 , -0.14648438, -0.13476562,  0.14257812,
        -0.00579834, -0.01611328, -0.23046875, -0.05175781,  0.16113281,
        -0.33007812,  0.10498047, -0.27539062,  0.1953125 , -0.01330566,
         0.09375   ,  0.13671875,  0.03955078, -0.1015625 , -0.08203125,
         0.10644531, -0.10498047, -0.00674438,  0.14160156, -0.07714844,
         0.15917969,  0.28710938,  0.07714844, -0.109375  ,  0.22558594,
         0.00741577, -0.12792969,  0.03930664,  0.21289062,  0.16894531,
        -0.03491211, -0.07177734,  0.34179688, -0.03417969, -0.05249023,
         0.1484375 ,  0.24121094,  0.01184082,  0.03515625,  0.28515625,
        -0.3125    , -0.06787109, -0.06542969, -0.078125  ,  0.07666016,
         0.10839844,  0.11083984, -0.25976562,  0.07324219,  0.0703125 ,
         0.18554688, -0.11376953,  0.05932617,  0.09667969, -0.32226562,
         0.13964844,  0.22167969, -0.14941406,  0.07666016, -0.01843262,
        -0.09814453,  0.15722656,  0.13085938,  0.18359375,  0.05688477],
       dtype=float32),
 'dynamic': array([ 0.10205078,  0.09912109, -0.07128906, -0.04101562, -0.1
5820312,
        -0.02746582, -0.05029297, -0.23242188, -0.01538086,  0.0050354 ,
         0.02392578,  0.00282288,  0.0480957 , -0.06079102,  0.10302734,
         0.09716797, -0.05957031,  0.38476562,  0.03442383, -0.03393555,
        -0.0222168 ,  0.12597656, -0.05786133,  0.29492188, -0.18457031,
         0.09375   , -0.01342773,  0.12255859,  0.05004883, -0.05639648,
        -0.140625  ,  0.09912109,  0.078125  ,  0.15429688,  0.12060547,
         0.0456543 , -0.0559082 , -0.08789062, -0.05004883,  0.04785156,
         0.01556396, -0.0177002 , -0.01611328,  0.15917969, -0.00909424,
        -0.00415039, -0.05126953, -0.10351562,  0.12792969,  0.02709961,
         0.02258301,  0.03173828, -0.16308594, -0.03686523,  0.08300781,
```

```
         0.234375  ,  0.13378906, -0.17480469,  0.08154297, -0.05566406,
        -0.03442383, -0.00476074, -0.30859375, -0.08544922, -0.01385498,
         0.10107422,  0.06298828,  0.03955078,  0.05834961,  0.02478027,
        -0.10009766, -0.02282715,  0.18261719, -0.11572266, -0.06445312,
        -0.08691406,  0.19824219,  0.125     ,  0.18066406,  0.0065918 ,
         0.15820312,  0.04956055,  0.26171875, -0.01831055,  0.10351562,
        -0.18261719, -0.40429688, -0.03930664,  0.02209473,  0.13378906,
         0.09814453, -0.18652344, -0.20410156, -0.00113678, -0.06640625,
        -0.07421875, -0.13671875, -0.00683594, -0.07226562, -0.171875  ,
        -0.12988281,  0.12255859, -0.31054688,  0.04882812, -0.15917969,
        -0.15722656,  0.08837891,  0.02331543, -0.04296875,  0.109375  ,
        -0.07128906, -0.04296875, -0.171875  ,  0.13378906,  0.265625  ,
        -0.17578125,  0.10205078, -0.23632812,  0.25390625, -0.1875    ,
        -0.06005859, -0.21875   ,  0.12158203,  0.21875   , -0.04785156,
         0.05126953, -0.05981445,  0.12988281, -0.06494141,  0.11035156,
         0.07568359,  0.11328125, -0.0078125 ,  0.10351562,  0.15136719,
         0.0201416 ,  0.23925781, -0.05224609, -0.18164062,  0.12451172,
         0.04736328, -0.08056641, -0.15917969,  0.26953125,  0.02111816,
        -0.17675781,  0.09082031,  0.13085938,  0.00793457, -0.04199219,
         0.04418945,  0.13085938,  0.07910156,  0.03735352, -0.07666016,
        -0.05297852,  0.07421875, -0.04638672,  0.09521484, -0.28515625,
        -0.12402344,  0.10449219,  0.1015625 ,  0.06542969,  0.04833984,
        -0.01123047,  0.11767578, -0.15527344, -0.24511719,  0.05273438,
        -0.17773438, -0.05761719,  0.00354004, -0.15234375,  0.22851562,
         0.08984375, -0.08740234, -0.14941406, -0.10058594, -0.10302734,
         0.00309753, -0.15722656,  0.16992188, -0.02624512, -0.17675781,
         0.10742188,  0.07421875,  0.03027344, -0.06738281, -0.17480469,
         0.08300781,  0.04589844,  0.17871094, -0.19335938, -0.04003906,
         0.04760742, -0.20507812, -0.02502441, -0.06005859, -0.18554688,
         0.12792969,  0.24804688, -0.08740234, -0.18554688, -0.08447266,
        -0.07470703,  0.18066406, -0.23632812,  0.17285156, -0.03320312,
        -0.10644531,  0.13867188, -0.0201416 , -0.06298828, -0.03588867,
        -0.09863281,  0.20019531,  0.08203125, -0.20898438,  0.10302734,
         0.08642578,  0.07714844, -0.24316406, -0.04223633, -0.140625  ,
         0.14257812,  0.05322266, -0.0625    , -0.07128906,  0.11523438,
        -0.12451172,  0.16796875,  0.12353516, -0.03466797, -0.03588867,
        -0.04150391, -0.17773438, -0.23632812,  0.00270081,  0.13574219,
        -0.15820312, -0.09033203, -0.13085938, -0.15820312,  0.06030273,
         0.0291748 , -0.16015625,  0.18652344, -0.03149414, -0.12011719,
         0.24023438,  0.10644531, -0.14550781,  0.2109375 ,  0.00585938,
        -0.27734375,  0.00215149, -0.02905273, -0.0213623 , -0.11035156,
         0.21777344, -0.03515625,  0.05249023,  0.16113281,  0.10449219,
         0.13378906,  0.12988281, -0.07470703, -0.30273438, -0.06445312,
        -0.12011719,  0.10400391, -0.15625   ,  0.06445312,  0.03930664,
         0.11816406, -0.0625    ,  0.06884766,  0.03125   ,  0.22070312,
        -0.125     ,  0.13671875, -0.22167969, -0.09375   ,  0.07226562,
         0.0625    , -0.08203125, -0.34375   ,  0.19921875, -0.02575684,
        -0.11767578,  0.08837891,  0.05566406, -0.03637695, -0.11132812,
         0.03637695,  0.203125  ,  0.00143433,  0.01806641, -0.0090332 ],
       dtype=float32),
 'play': array([ 0.01226807,  0.06225586,  0.10693359,  0.05810547,  0.2382
8125,
         0.03686523,  0.05151367, -0.20703125,  0.01989746,  0.10058594,
        -0.03759766, -0.1015625 , -0.15820312, -0.08105469, -0.0390625 ,
        -0.05053711,  0.16015625,  0.2578125 ,  0.10058594, -0.25976562,
         0.078125  ,  0.16113281,  0.12890625, -0.00318909,  0.00744629,
         0.10693359, -0.01696777, -0.22070312,  0.01239014,  0.08154297,
        -0.12158203,  0.24707031, -0.08105469, -0.21191406,  0.12695312,
         0.07568359,  0.12792969,  0.11035156,  0.09863281,  0.24316406,
         0.21875   ,  0.09716797,  0.13671875,  0.04272461, -0.05151367,
        -0.01257324, -0.11083984, -0.17089844,  0.07470703,  0.15625   ,
         0.04101562,  0.26953125,  0.01037598, -0.09814453,  0.10595703,
        -0.3203125 ,  0.10888672, -0.09228516,  0.05517578, -0.00756836,
        -0.03344727,  0.12207031, -0.07324219,  0.04467773,  0.046875  ,
```

```
         0.05957031,  0.06225586,  0.11035156,  0.24023438,  0.29296875,
         0.25976562, -0.22753906, -0.01495361,  0.06079102, -0.01000977,
        -0.26171875,  0.01965332, -0.12109375,  0.04174805,  0.08837891,
        -0.12597656,  0.03881836,  0.24316406,  0.1171875 ,  0.14941406,
        -0.01477051, -0.1171875 ,  0.01745605,  0.08789062,  0.10107422,
        -0.01208496,  0.03442383, -0.07080078,  0.04052734,  0.140625  ,
        -0.19335938,  0.13378906, -0.03930664, -0.28125   , -0.19628906,
        -0.15332031,  0.11132812,  0.13476562, -0.0612793 , -0.14160156,
        -0.27539062, -0.06445312, -0.21191406, -0.08300781,  0.05737305,
         0.14550781, -0.04248047, -0.23046875, -0.09521484,  0.20410156,
        -0.00616455,  0.05395508, -0.00280762,  0.09472656, -0.11816406,
         0.04003906, -0.16894531, -0.04101562,  0.42382812, -0.11279297,
        -0.19824219, -0.15820312, -0.05932617, -0.16992188,  0.08496094,
         0.03320312, -0.21875   , -0.05664062, -0.08154297, -0.10302734,
        -0.18457031,  0.15234375,  0.21679688, -0.31445312, -0.05859375,
        -0.00872803, -0.09912109,  0.15332031,  0.01867676, -0.0703125 ,
         0.32421875, -0.00244141, -0.03930664, -0.23535156,  0.02734375,
        -0.03088379, -0.01611328, -0.19824219,  0.125     , -0.07080078,
         0.01531982, -0.08837891, -0.3203125 ,  0.05761719, -0.21679688,
         0.01293945,  0.125     ,  0.05932617, -0.04199219,  0.00263977,
        -0.11328125,  0.22167969, -0.17773438,  0.00149536, -0.01513672,
        -0.3515625 , -0.20214844,  0.10107422,  0.02734375, -0.00817871,
         0.03979492, -0.09570312, -0.26757812, -0.25585938,  0.02380371,
         0.03979492, -0.07763672,  0.11376953,  0.11376953, -0.04467773,
         0.10644531, -0.13183594, -0.07714844,  0.06787109, -0.19628906,
         0.06298828, -0.05151367,  0.10107422, -0.04248047,  0.00982666,
        -0.08447266,  0.0222168 , -0.19726562, -0.10009766, -0.01470947,
         0.03637695, -0.05688477,  0.05029297, -0.078125  ,  0.10693359,
        -0.11328125,  0.11132812, -0.06445312,  0.04931641,  0.01965332,
         0.18457031,  0.35742188,  0.00793457,  0.20898438, -0.22167969,
        -0.07763672,  0.00457764, -0.13964844, -0.2578125 , -0.25390625,
         0.05541992, -0.15234375,  0.12060547, -0.13671875,  0.10986328,
         0.08398438, -0.01916504,  0.06030273,  0.09521484, -0.10253906,
        -0.1015625 ,  0.10839844, -0.17773438, -0.12695312,  0.296875  ,
        -0.03710938, -0.12988281, -0.13671875,  0.13183594, -0.08300781,
        -0.11230469,  0.01495361,  0.13183594, -0.24121094, -0.00159454,
         0.18847656, -0.07666016, -0.12255859,  0.01428223, -0.10205078,
         0.06445312,  0.06079102,  0.04614258,  0.09716797, -0.06835938,
        -0.04272461, -0.09423828,  0.00463867, -0.19335938, -0.0057373 ,
        -0.04638672,  0.14257812, -0.11279297,  0.05737305, -0.00265503,
         0.3046875 , -0.01916504,  0.09716797, -0.09375   ,  0.01574707,
         0.00897217,  0.16113281, -0.12988281, -0.08837891,  0.25390625,
        -0.04711914, -0.08691406, -0.08398438, -0.27734375, -0.02001953,
         0.18066406, -0.06787109,  0.15917969, -0.01196289,  0.15820312,
        -0.27734375,  0.0703125 ,  0.03710938, -0.20507812,  0.07958984,
        -0.00479126,  0.31835938, -0.05175781, -0.02062988,  0.03320312,
         0.125     ,  0.02502441, -0.15332031,  0.06982422, -0.07324219],
       dtype=float32),
 'crucial': array([ 1.68945312e-01, -4.41894531e-02,  1.42822266e-02, -1.60
156250e-01,
        -2.49023438e-02,  5.31005859e-03,  1.36718750e-01, -9.71679688e-02,
        -1.10626221e-03, -6.17675781e-02, -2.64892578e-02, -1.54296875e-01,
         9.03320312e-02,  1.64062500e-01, -2.19726562e-01,  6.98242188e-02,
         1.40625000e-01, -6.10351562e-02, -1.50390625e-01,  2.34375000e-02,
        -3.93066406e-02, -1.31835938e-01, -1.71875000e-01,  3.32031250e-01,
         1.62109375e-01,  8.54492188e-02, -1.69921875e-01, -1.76757812e-01,
         2.55859375e-01,  2.06054688e-01,  1.58203125e-01, -3.34472656e-02,
         2.51953125e-01, -7.47070312e-02, -5.92041016e-03, -3.22265625e-02,
        -2.63671875e-01,  1.71875000e-01,  1.51367188e-01, -2.41699219e-02,
         9.66796875e-02, -1.27929688e-01,  1.60156250e-01, -5.49316406e-02,
        -5.46875000e-02, -8.39843750e-02, -5.37109375e-02,  8.72802734e-03,
        -1.38092041e-03,  2.19726562e-01,  1.06445312e-01,  2.02148438e-01,
        -2.33154297e-02,  2.81982422e-02, -3.28125000e-01, -1.01074219e-01,
         3.56445312e-02, -1.35742188e-01,  1.80664062e-01, -1.46484375e-02,
```

```
        -2.85156250e-01,  1.62109375e-01, -2.73437500e-01, -9.91210938e-02,
         9.71679688e-02,  1.61132812e-02,  1.97753906e-02,  1.62109375e-01,
        -1.37695312e-01, -7.66601562e-02, -1.72851562e-01, -3.46679688e-02,
         7.86132812e-02, -1.29882812e-01, -1.71875000e-01, -1.17187500e-01,
         7.03125000e-02,  2.47070312e-01, -1.61132812e-01,  2.16796875e-01,
        -1.29882812e-01, -4.56542969e-02,  7.47070312e-02, -2.77343750e-01,
        -1.40380859e-03, -1.70898438e-01, -5.54199219e-02, -2.30468750e-01,
        -1.48437500e-01,  4.80957031e-02,  1.17675781e-01, -1.40625000e-01,
         8.05664062e-02, -2.40234375e-01,  2.01416016e-02, -3.33984375e-01,
         4.44335938e-02, -2.61718750e-01, -2.08984375e-01,  1.62109375e-01,
        -2.13623047e-02,  6.39648438e-02,  9.47265625e-02, -2.07031250e-01,
        -2.83203125e-01,  1.48010254e-03,  1.49536133e-02, -3.03955078e-02,
         1.32812500e-01,  1.54296875e-01,  1.09375000e-01,  7.66601562e-02,
        -2.20703125e-01,  5.95703125e-02,  2.81250000e-01, -2.28271484e-02,
         1.62109375e-01,  1.58203125e-01,  1.55273438e-01, -3.36914062e-02,
         1.60156250e-01,  8.10546875e-02, -3.61328125e-02,  1.40625000e-01,
        -2.65625000e-01, -9.61914062e-02, -2.53906250e-02,  1.21116638e-04,
        -1.68945312e-01,  2.49023438e-01,  1.31835938e-01, -6.29882812e-02,
        -1.13281250e-01, -6.73828125e-02,  7.81250000e-02, -1.54296875e-01,
         4.95605469e-02, -1.09863281e-02, -2.59765625e-01,  1.92382812e-01,
         1.59179688e-01,  7.42187500e-02,  3.14453125e-01,  5.10253906e-02,
        -1.23046875e-01, -1.79687500e-01,  3.95507812e-02,  2.89062500e-01,
         3.24707031e-02, -3.56445312e-02,  1.13281250e-01,  4.93164062e-02,
        -7.27539062e-02,  1.24511719e-01, -3.54003906e-02,  7.47070312e-02,
        -1.74804688e-01, -1.79687500e-01, -2.38281250e-01, -5.61523438e-02,
        -2.38281250e-01, -1.19140625e-01,  1.67968750e-01, -1.28906250e-01,
        -4.85229492e-03, -4.29687500e-02, -1.00585938e-01, -6.88476562e-02,
         1.31835938e-01, -7.56835938e-02,  2.77099609e-02,  4.98046875e-02,
        -2.63671875e-02, -2.08984375e-01,  3.32031250e-01, -5.10253906e-02,
        -5.44433594e-02, -1.42578125e-01, -1.49414062e-01,  1.91406250e-01,
        -1.13769531e-01, -1.45507812e-01, -5.22460938e-02, -1.45507812e-01,
        -1.14746094e-01,  2.67578125e-01, -2.91015625e-01,  1.19628906e-01,
         7.11059570e-03, -1.63574219e-02,  6.25000000e-02,  1.09375000e-01,
         1.94335938e-01, -1.14135742e-02, -7.91015625e-02, -1.88476562e-01,
         1.53198242e-02, -2.89062500e-01, -1.86523438e-01, -2.56347656e-02,
         6.17675781e-02,  9.96093750e-02, -1.27929688e-01, -1.85546875e-01,
         2.81250000e-01, -1.28906250e-01,  2.06298828e-02, -1.84570312e-01,
         9.08203125e-02, -3.00781250e-01, -1.74804688e-01,  1.01074219e-01,
        -1.82617188e-01,  1.31835938e-01,  7.71484375e-02, -1.40625000e-01,
         3.41796875e-01, -3.39355469e-02,  1.38671875e-01,  2.05078125e-01,
         1.06811523e-03,  1.36718750e-01, -6.04248047e-03, -1.92382812e-01,
        -4.51660156e-02,  5.29785156e-02,  3.05175781e-02, -4.56542969e-02,
         7.08007812e-02, -4.94384766e-03, -2.77343750e-01,  9.08203125e-02,
         4.24804688e-02,  7.38525391e-03,  1.20605469e-01, -5.46875000e-02,
        -1.91406250e-01, -1.53320312e-01, -1.25976562e-01, -5.73730469e-02,
         3.06701660e-03,  1.11328125e-01,  3.55529785e-03, -1.72851562e-01,
         2.09960938e-02, -6.98242188e-02,  4.44335938e-02,  1.08398438e-01,
         1.44531250e-01, -2.04467773e-03, -1.02050781e-01,  1.63085938e-01,
         5.90820312e-02,  1.43554688e-01,  8.83789062e-02, -8.20312500e-02,
         2.42187500e-01,  2.91748047e-02, -2.65625000e-01, -1.30859375e-01,
        -7.51953125e-02, -5.49316406e-02, -8.39843750e-02,  1.66015625e-01,
         1.49536133e-02,  7.95898438e-02,  4.39453125e-02, -1.64062500e-01,
        -1.11328125e-01, -1.69921875e-01, -1.37329102e-02,  1.50756836e-02,
        -2.08007812e-01,  2.42919922e-02, -5.54199219e-02, -2.10937500e-01,
         4.27246094e-02, -9.57031250e-02, -1.97265625e-01,  1.24023438e-01,
        -1.22558594e-01, -1.23535156e-01, -8.83789062e-02,  1.82617188e-01,
        -1.31835938e-01,  2.05078125e-02, -1.15234375e-01,  1.39648438e-01,
        -5.85937500e-02, -2.51464844e-02, -4.63867188e-02, -7.76367188e-02,
         9.42382812e-02, -1.04003906e-01, -6.68945312e-02,  1.16699219e-01,
        -1.98242188e-01, -9.08203125e-02,  2.66113281e-02,  1.80664062e-0
1],
       dtype=float32),
 'conducting': array([-1.54418945e-02,  1.61132812e-01,  8.17871094e-03, -
1.82617188e-01,
```

```
-1.32812500e-01,  1.11083984e-02, -1.17187500e-01, -1.52343750e-01,
 2.57812500e-01, -1.39648438e-01,  1.34277344e-02, -8.78906250e-02,
-1.39648438e-01,  9.08203125e-02, -1.37695312e-01,  2.55859375e-01,
-1.49414062e-01, -1.20605469e-01, -9.86328125e-02, -1.66015625e-01,
-1.04003906e-01, -1.40625000e-01, -2.42187500e-01,  7.22656250e-02,
-1.52343750e-01, -2.00195312e-01,  2.63671875e-02, -1.73828125e-01,
-3.16406250e-01, -8.93554688e-02,  1.27929688e-01, -2.04101562e-01,
-2.89916992e-03, -1.27563477e-02, -1.53198242e-02,  1.65039062e-01,
-2.27050781e-02, -2.33398438e-01,  3.84765625e-01, -2.92968750e-01,
-1.32812500e-01,  2.56347656e-02, -2.27539062e-01,  1.00097656e-01,
-2.00195312e-01,  1.40991211e-02, -2.17773438e-01,  4.17480469e-02,
-4.05273438e-02,  1.26953125e-01, -5.22460938e-02,  1.52343750e-01,
 3.14453125e-01,  9.21630859e-03, -2.84423828e-02,  1.20605469e-01,
-1.61132812e-01, -2.94921875e-01,  2.19726562e-01, -1.67968750e-01,
 3.90625000e-03,  1.18164062e-01,  8.83789062e-02, -1.25000000e-01,
 5.98144531e-02,  9.21630859e-03, -2.36328125e-01,  1.27929688e-01,
 6.71386719e-03, -2.61718750e-01, -5.24902344e-02, -1.01562500e-01,
 1.64062500e-01,  2.79296875e-01,  1.95312500e-02, -2.22656250e-01,
 2.86865234e-02, -4.51171875e-01,  1.04980469e-02,  1.71875000e-01,
 4.24804688e-02,  1.11816406e-01,  8.74023438e-02,  2.00195312e-02,
-1.56250000e-01, -7.17773438e-02,  2.57568359e-02, -4.48608398e-03,
 5.10253906e-02,  1.76757812e-01, -2.92968750e-02, -3.69140625e-01,
 1.52343750e-01,  4.44335938e-02,  2.60009766e-02,  1.41601562e-01,
-7.78198242e-03, -1.38671875e-01, -1.48315430e-02, -9.42382812e-02,
-2.71484375e-01, -3.51562500e-01,  2.57812500e-01,  1.32812500e-01,
 1.00585938e-01, -6.68945312e-02,  4.29687500e-02, -5.71289062e-02,
-5.93261719e-02, -2.28515625e-01, -1.39648438e-01,  1.51977539e-02,
-1.85546875e-01, -2.01171875e-01, -1.14257812e-01,  1.77734375e-01,
 7.76367188e-02,  1.20117188e-01,  3.30078125e-01,  3.32031250e-02,
 6.93359375e-02,  2.61230469e-02, -2.87109375e-01,  1.88476562e-01,
-1.68457031e-02,  1.46484375e-01, -8.34960938e-02, -2.43164062e-01,
-2.86865234e-02,  3.06396484e-02, -9.22851562e-02, -3.08593750e-01,
-1.76757812e-01,  1.23046875e-01, -7.27539062e-02, -1.78710938e-01,
 2.21679688e-01, -1.81884766e-02,  3.80859375e-02,  3.06396484e-02,
-2.26562500e-01,  1.31835938e-01, -2.10937500e-01,  3.08593750e-01,
-1.76757812e-01, -4.95605469e-02, -1.84570312e-01, -1.25976562e-01,
-1.04980469e-01, -5.15136719e-02, -2.57873535e-03,  1.52343750e-01,
-3.69140625e-01, -2.60009766e-02,  1.52343750e-01, -1.65039062e-01,
-3.41796875e-02, -1.49414062e-01,  5.22460938e-02,  3.59375000e-01,
-3.71093750e-02,  2.05078125e-01,  1.03515625e-01, -5.05371094e-02,
 2.63671875e-02,  6.15234375e-02,  4.04296875e-01,  4.02832031e-02,
 1.62109375e-01, -2.85156250e-01,  1.23535156e-01, -1.58203125e-01,
-1.57470703e-02, -7.76367188e-02,  1.87500000e-01, -3.32031250e-01,
 1.40991211e-02, -4.32128906e-02, -3.39843750e-01,  3.71093750e-02,
 6.34765625e-02, -7.27539062e-02,  9.27734375e-02,  3.29589844e-02,
 6.93359375e-02,  3.08837891e-02,  1.83593750e-01, -6.12792969e-02,
 6.12792969e-02,  9.71679688e-02, -1.50390625e-01,  7.51953125e-02,
 1.99218750e-01, -1.18164062e-01, -2.15820312e-01, -1.46484375e-01,
 2.59765625e-01,  3.49121094e-02,  2.31445312e-01, -3.19824219e-02,
 2.51953125e-01,  1.51367188e-01, -1.09863281e-01, -5.73730469e-02,
-5.15136719e-02,  1.56250000e-01,  1.30859375e-01,  9.86328125e-02,
-9.03320312e-02,  6.22558594e-02,  1.23046875e-01,  3.61328125e-01,
-1.27929688e-01, -6.39648438e-02,  8.25195312e-02, -1.92382812e-01,
-9.20295715e-05,  7.47070312e-02, -6.68945312e-02, -6.07910156e-02,
 2.20703125e-01, -4.10156250e-02, -1.56250000e-01,  1.00585938e-01,
 1.53320312e-01,  2.02148438e-01,  1.07910156e-01, -1.31835938e-01,
 1.06933594e-01, -2.47070312e-01,  7.32421875e-02, -2.19726562e-01,
-2.25585938e-01,  1.83593750e-01, -5.29785156e-02, -1.88476562e-01,
 1.09375000e-01, -2.43164062e-01,  6.03027344e-02, -1.66015625e-01,
-7.47070312e-02,  2.71484375e-01, -3.35937500e-01,  7.32421875e-02,
 1.60156250e-01, -1.81640625e-01, -5.70678711e-03, -7.12890625e-02,
 1.52343750e-01, -3.80859375e-01, -3.86047363e-03,  5.68847656e-02,
 2.41210938e-01, -1.73339844e-02,  3.03955078e-02,  3.27148438e-02,
 1.28906250e-01, -4.34570312e-02, -3.46679688e-02,  8.39843750e-02,
```

```
         2.79296875e-01,  6.64062500e-02,  4.45312500e-01, -9.71679688e-02,
         1.25000000e-01, -3.22265625e-02,  4.71191406e-02,  5.10253906e-02,
        -6.05468750e-02,  1.68945312e-01,  8.44726562e-02,  1.65039062e-01,
        -4.44335938e-02,  2.94921875e-01,  1.89208984e-03, -1.95312500e-01,
        -5.20019531e-02,  1.91406250e-01,  4.56542969e-02,  7.86132812e-02,
         9.96093750e-02, -1.53320312e-01,  2.17773438e-01,  2.17773438e-01,
         1.31835938e-01, -7.22656250e-02,  2.61718750e-01, -5.76782227e-03,
         3.67187500e-01, -1.25000000e-01, -2.73437500e-01, -1.72119141e-02,
        -1.27929688e-01,  2.24609375e-01, -1.12304688e-01, -1.79687500e-01,
         2.71484375e-01,  3.06640625e-01,  8.88671875e-02,  2.97851562e-0
2],
       dtype=float32),
 'designing': array([-0.15917969, -0.04858398, -0.05834961,  0.234375  ,
0.10888672,
        -0.00848389,  0.05664062, -0.16210938, -0.16601562, -0.01831055,
         0.1171875 , -0.02624512, -0.02929688, -0.18261719, -0.34179688,
        -0.19628906, -0.11572266, -0.02905273, -0.22949219,  0.12304688,
        -0.23730469,  0.23730469, -0.10253906,  0.03637695,  0.01953125,
         0.11279297,  0.05371094, -0.28125   , -0.16894531, -0.359375  ,
        -0.12158203, -0.00854492, -0.00683594,  0.19140625,  0.12207031,
        -0.17578125,  0.16210938, -0.02697754,  0.00854492, -0.08837891,
         0.08496094,  0.13183594,  0.07519531, -0.02319336, -0.15722656,
        -0.16699219, -0.09765625,  0.2421875 , -0.03662109,  0.40820312,
         0.02258301,  0.04614258,  0.0201416 , -0.32226562,  0.09130859,
         0.11572266,  0.20996094, -0.30664062,  0.40820312, -0.06640625,
         0.12988281,  0.07080078,  0.0090332 , -0.2109375 ,  0.19238281,
         0.02954102, -0.296875  ,  0.17675781, -0.14453125,  0.20800781,
         0.02233887,  0.1171875 ,  0.09619141, -0.15429688, -0.04248047,
        -0.15234375,  0.21191406, -0.12695312, -0.19824219,  0.3828125 ,
        -0.05004883, -0.27148438, -0.01855469, -0.171875  ,  0.1328125 ,
        -0.15722656,  0.03271484,  0.16503906,  0.15039062,  0.11474609,
         0.11914062, -0.24316406, -0.33007812,  0.20605469,  0.00982666,
        -0.07763672, -0.08251953, -0.41015625,  0.04052734,  0.25      ,
        -0.03271484, -0.15722656,  0.03588867, -0.00994873,  0.02893066,
         0.07128906, -0.01239014,  0.21972656, -0.06152344, -0.03344727,
        -0.18847656,  0.09814453, -0.14746094,  0.21875   ,  0.23925781,
        -0.25      , -0.11181641,  0.08935547,  0.19140625, -0.07324219,
        -0.18945312, -0.07666016, -0.06079102,  0.19335938,  0.11181641,
         0.2265625 , -0.05151367,  0.07226562, -0.09375   ,  0.2734375 ,
         0.00628662, -0.19140625, -0.36132812, -0.03881836, -0.09814453,
         0.21777344, -0.04052734, -0.05273438, -0.19433594, -0.07226562,
         0.00479126,  0.0534668 , -0.33789062, -0.11572266,  0.00358582,
         0.09570312, -0.07080078, -0.13671875, -0.04760742, -0.2578125 ,
        -0.11474609, -0.09130859,  0.05102539, -0.09082031, -0.21582031,
         0.01635742, -0.15625   ,  0.13574219, -0.00119019, -0.04125977,
         0.05297852, -0.02148438, -0.21386719,  0.265625  , -0.11523438,
         0.21679688,  0.28320312, -0.0291748 , -0.19140625, -0.28710938,
        -0.01586914,  0.0402832 , -0.03173828, -0.00346375,  0.06005859,
         0.13769531,  0.21484375, -0.21191406, -0.37304688,  0.14648438,
        -0.08544922,  0.0098877 , -0.09521484, -0.12988281,  0.03344727,
        -0.24902344, -0.04052734, -0.12011719, -0.06298828, -0.18359375,
        -0.21679688,  0.20605469,  0.27929688, -0.17480469, -0.25585938,
        -0.06835938,  0.33007812,  0.00830078,  0.11279297, -0.13867188,
        -0.05029297,  0.18359375, -0.02246094, -0.06591797, -0.17871094,
        -0.04101562, -0.08251953, -0.32226562, -0.20507812, -0.12988281,
         0.05664062,  0.00141907,  0.05737305, -0.25585938,  0.20507812,
        -0.12695312,  0.06054688,  0.04541016, -0.11181641,  0.0625    ,
        -0.0378418 , -0.23046875, -0.296875  ,  0.24804688, -0.1796875 ,
        -0.12792969, -0.25585938, -0.10839844, -0.23339844,  0.06445312,
        -0.0100708 , -0.11962891, -0.17578125, -0.02514648, -0.11181641,
        -0.21484375,  0.09667969, -0.12353516,  0.00072479, -0.20214844,
        -0.01916504, -0.06396484, -0.29296875, -0.10644531,  0.17382812,
        -0.22753906, -0.19628906,  0.0013504 ,  0.06982422, -0.37890625,
         0.05102539,  0.08837891,  0.25390625,  0.11621094,  0.16113281,
```

```
         0.09912109, -0.0456543 ,  0.14941406, -0.2421875 ,  0.03930664,
         0.02478027, -0.24121094,  0.21484375, -0.22363281,  0.00352478,
         0.15527344, -0.04443359, -0.14746094, -0.03466797,  0.13085938,
        -0.08251953, -0.05004883,  0.19140625,  0.125     ,  0.11669922,
        -0.01031494,  0.0123291 ,  0.08349609, -0.08349609, -0.18847656,
        -0.00418091,  0.01708984, -0.10791016, -0.06640625,  0.02185059,
         0.390625  , -0.13867188, -0.04443359,  0.44140625,  0.0123291 ,
        -0.40820312,  0.13085938, -0.08007812, -0.04394531, -0.05493164,
         0.09130859,  0.20898438,  0.04736328, -0.0703125 ,  0.18066406],
       dtype=float32),
 'exciting': array([-2.46093750e-01, -1.71875000e-01,  6.68945312e-02, -2.4
2919922e-02,
         1.62109375e-01, -2.31445312e-01,  2.17285156e-02, -7.03125000e-02,
        -1.05957031e-01,  1.77734375e-01, -4.15039062e-02, -1.98242188e-01,
         2.05078125e-02, -2.49023438e-01,  1.31835938e-01,  1.84570312e-01,
         1.74804688e-01,  1.51367188e-01,  2.22656250e-01,  2.24609375e-01,
         1.30615234e-02,  1.95312500e-01,  1.88476562e-01,  2.63671875e-01,
        -3.93066406e-02,  8.93554688e-02,  1.27929688e-01,  5.10253906e-02,
        -1.14135742e-02,  1.43432617e-02,  6.29882812e-02,  1.69921875e-01,
         4.17968750e-01,  1.30859375e-01,  2.12890625e-01, -1.73828125e-01,
        -1.40625000e-01, -1.31835938e-01,  2.18750000e-01,  8.20312500e-02,
         2.08984375e-01, -6.83593750e-02, -1.59179688e-01,  2.51953125e-01,
        -2.61718750e-01, -9.52148438e-02,  3.78417969e-02,  8.69140625e-02,
        -2.66113281e-02, -7.86132812e-02,  1.29882812e-01,  1.28906250e-01,
        -8.93554688e-02,  5.22460938e-02,  1.02050781e-01,  1.09375000e-01,
         3.51562500e-01, -3.26171875e-01,  3.00781250e-01, -9.37500000e-02,
        -2.04101562e-01, -2.83203125e-01, -2.98828125e-01, -2.11914062e-01,
        -1.51367188e-01,  7.95898438e-02, -1.44653320e-02,  2.05993652e-03,
         1.72424316e-03, -2.55126953e-02, -7.22656250e-02, -4.83398438e-02,
         1.62109375e-01, -2.80761719e-03, -3.47137451e-04, -1.60156250e-01,
         5.98144531e-02,  1.94335938e-01,  1.49414062e-01,  1.99218750e-01,
         2.22778320e-03, -3.75976562e-02, -9.32617188e-02,  2.89306641e-02,
         1.31835938e-01, -1.84570312e-01, -2.37304688e-01,  6.88476562e-02,
         4.83398438e-02,  2.11914062e-01,  3.46679688e-02, -2.20703125e-01,
        -1.24023438e-01, -6.98242188e-02, -2.01171875e-01,  2.69775391e-02,
         8.39843750e-02,  2.63671875e-01, -4.07714844e-02, -4.51660156e-02,
        -1.81640625e-01,  2.61718750e-01,  4.12597656e-02, -9.47265625e-02,
        -1.30004883e-02, -8.69140625e-02,  4.47265625e-01, -1.65039062e-01,
        -4.32128906e-02,  9.64355469e-03,  4.12597656e-02,  1.76757812e-01,
         8.78906250e-02, -5.49316406e-02,  3.33984375e-01, -1.90429688e-01,
         1.50390625e-01, -1.03027344e-01,  1.97265625e-01, -3.88671875e-01,
         2.06054688e-01, -2.53906250e-01,  8.39843750e-02,  5.05371094e-02,
        -1.59179688e-01, -9.27734375e-02, -1.43554688e-01,  2.49023438e-01,
        -2.08984375e-01,  3.61328125e-01, -1.00585938e-01, -1.60156250e-01,
        -1.33789062e-01,  2.59765625e-01,  1.93359375e-01,  1.23046875e-01,
         1.81640625e-01,  7.66601562e-02, -1.45507812e-01,  4.04296875e-01,
        -6.78710938e-02,  1.60156250e-01,  8.59375000e-02,  1.92382812e-01,
        -3.08837891e-02,  1.29882812e-01,  1.01562500e-01, -2.44140625e-02,
        -1.25976562e-01, -4.62890625e-01,  4.98046875e-02,  2.25585938e-01,
        -1.12304688e-01,  1.85546875e-01, -1.11816406e-01, -8.25195312e-02,
         1.25000000e-01, -1.66015625e-01, -2.96875000e-01, -3.39843750e-01,
        -1.39648438e-01,  1.13281250e-01, -6.17675781e-02,  3.00781250e-01,
         4.12109375e-01, -1.46484375e-01,  5.20019531e-02, -2.40234375e-01,
         4.98046875e-02, -6.54296875e-02, -9.47265625e-02,  4.12597656e-02,
        -6.12792969e-02, -8.98437500e-02,  1.58203125e-01,  3.44238281e-02,
        -1.25976562e-01, -1.10351562e-01,  6.53076172e-03, -1.28906250e-01,
        -1.26953125e-01, -2.03125000e-01,  3.14941406e-02, -2.59765625e-01,
        -2.81250000e-01, -7.37304688e-02,  1.95312500e-02,  2.89062500e-01,
         6.88476562e-02, -2.53906250e-01, -2.61230469e-02,  5.34667969e-02,
         2.63671875e-01, -2.89062500e-01,  1.53320312e-01,  3.12500000e-02,
         6.39648438e-02,  1.65039062e-01, -2.18750000e-01, -1.60156250e-01,
         3.41796875e-01,  9.08203125e-02,  4.21142578e-03, -8.34960938e-02,
        -1.18164062e-01,  4.22363281e-02, -5.32226562e-02, -7.86132812e-02,
        -7.22656250e-02,  4.61425781e-02, -3.22265625e-02,  2.63671875e-01,
```

```
        -1.55273438e-01, -6.22558594e-03,  5.46875000e-02,  1.72119141e-02,
         3.75000000e-01, -1.05468750e-01,  1.80664062e-01, -4.15039062e-02,
        -2.46582031e-02,  2.35351562e-01, -1.27929688e-01,  8.49609375e-02,
         1.31835938e-01,  5.88378906e-02,  2.61230469e-02, -2.65625000e-01,
        -1.80664062e-01, -9.17968750e-02, -1.71875000e-01,  2.63671875e-01,
         1.24023438e-01, -7.22656250e-02,  1.74804688e-01,  2.51464844e-02,
        -2.77343750e-01, -6.59179688e-02,  1.65039062e-01,  1.10839844e-01,
         5.85937500e-02, -8.69140625e-02, -9.03320312e-02, -1.55273438e-01,
        -1.23901367e-02,  8.69140625e-02,  1.04370117e-02, -9.57031250e-02,
         2.55126953e-02, -3.39843750e-01,  4.11987305e-03,  1.19628906e-01,
         9.96093750e-02, -7.03125000e-02, -7.59887695e-03, -1.83105469e-02,
        -1.23901367e-02, -1.52343750e-01, -2.73437500e-01, -4.00390625e-01,
         6.78710938e-02, -7.76367188e-02,  8.30078125e-02,  1.51367188e-01,
        -4.22363281e-02,  1.57226562e-01,  1.64062500e-01, -2.08007812e-01,
        -2.03125000e-01,  1.77001953e-02,  9.71679688e-02,  2.18750000e-01,
         1.71875000e-01,  1.09375000e-01,  2.67578125e-01, -1.97265625e-01,
         1.99218750e-01, -4.56542969e-02,  1.14746094e-01,  2.80761719e-02,
        -2.97851562e-02,  1.89208984e-02, -3.45703125e-01, -3.78417969e-02,
         2.77099609e-02,  1.61132812e-01,  1.01318359e-02, -1.71875000e-01,
         1.02539062e-01, -7.81250000e-02, -6.43920898e-03, -9.86328125e-02,
        -1.87500000e-01, -5.32226562e-02, -1.22558594e-01, -3.58581543e-03,
         6.49414062e-02,  2.33154297e-02, -8.30078125e-02, -1.25976562e-0
1],
       dtype=float32),
 'meaningful': array([-1.27929688e-01, -3.54003906e-02, -8.00781250e-02,
1.19628906e-02,
        -7.56835938e-02, -1.38671875e-01,  9.52148438e-02,  7.47070312e-02,
         2.79296875e-01, -1.06933594e-01, -3.82812500e-01, -1.74804688e-01,
         3.19824219e-02,  2.61718750e-01, -7.86132812e-02,  7.37304688e-02,
         3.84765625e-01,  1.25000000e-01, -6.68945312e-02, -1.06445312e-01,
        -7.08007812e-02, -1.11328125e-01, -1.67968750e-01,  1.33789062e-01,
         4.39453125e-02, -2.89306641e-02, -1.78710938e-01, -2.53906250e-01,
         1.44531250e-01,  5.61523438e-02, -1.31835938e-01, -6.73828125e-02,
        -1.38671875e-01,  3.97949219e-02, -1.86920166e-03,  3.66210938e-02,
         1.78222656e-02,  1.05468750e-01,  1.71875000e-01,  3.02734375e-02,
         2.85644531e-02,  1.50390625e-01,  9.66796875e-02, -2.80761719e-02,
         6.59179688e-02, -1.13769531e-01, -1.01074219e-01,  1.32812500e-01,
         1.44531250e-01, -7.47070312e-02,  9.27734375e-02,  3.01513672e-02,
        -3.49609375e-01,  1.27929688e-01,  5.76782227e-03,  3.80859375e-02,
        -1.48315430e-02, -2.98828125e-01,  9.27734375e-02, -2.65625000e-01,
        -1.91406250e-01,  4.91333008e-03, -9.70458984e-03, -1.16210938e-01,
        -2.53906250e-02,  1.42578125e-01,  4.49218750e-02,  1.81640625e-01,
         2.81982422e-02, -1.55639648e-02, -7.12890625e-02, -1.22070312e-01,
        -7.71484375e-02, -7.17773438e-02,  8.74023438e-02, -3.06640625e-01,
         1.00585938e-01,  2.39257812e-01,  1.83593750e-01,  9.82666016e-03,
        -5.12695312e-02,  2.34985352e-03, -1.01074219e-01,  4.49218750e-02,
         4.94384766e-03, -2.07031250e-01, -4.98046875e-02, -7.71484375e-02,
        -1.96533203e-02,  2.18750000e-01,  8.15429688e-02, -3.82812500e-01,
        -1.55273438e-01, -3.04687500e-01, -8.36181641e-03, -1.10839844e-01,
         1.53320312e-01,  2.92968750e-01, -1.23535156e-01, -6.44531250e-02,
        -2.45361328e-02,  8.05664062e-02,  1.22558594e-01, -7.17163086e-03,
        -1.53320312e-01, -4.56542969e-02,  1.60156250e-01, -2.82287598e-04,
         2.09960938e-01, -1.43554688e-01, -1.42578125e-01, -2.22167969e-02,
        -1.32812500e-01, -8.93554688e-02,  2.13867188e-01, -1.90429688e-02,
         3.61328125e-01, -9.76562500e-02,  5.98144531e-02,  1.26953125e-01,
         7.32421875e-02,  1.04003906e-01, -5.39550781e-02,  8.34960938e-02,
        -1.98242188e-01,  5.49316406e-02,  2.09960938e-01,  7.47070312e-02,
        -3.94531250e-01,  2.14843750e-01, -6.29882812e-02, -1.86523438e-01,
        -2.24609375e-01,  1.17187500e-01,  2.61718750e-01, -1.06201172e-02,
        -1.59912109e-02, -1.20117188e-01,  5.37109375e-02,  1.56250000e-01,
        -7.86132812e-02, -1.04980469e-01,  1.20117188e-01,  2.61230469e-02,
        -1.51367188e-01, -5.88378906e-02, -1.14257812e-01, -3.58886719e-02,
        -6.98242188e-02, -9.42382812e-02, -3.36914062e-02,  1.40625000e-01,
         1.33666992e-02,  3.35937500e-01, -7.32421875e-02, -1.30859375e-01,
```

```
         1.46484375e-01,  3.88183594e-02, -1.12792969e-01, -6.73828125e-02,
        -1.27929688e-01,  1.71875000e-01,  1.73339844e-02,  9.76562500e-02,
         1.24511719e-02,  1.11816406e-01, -7.56835938e-02, -6.73828125e-02,
         1.46484375e-03, -8.17871094e-03, -9.32617188e-02, -4.19921875e-02,
         4.19921875e-02, -3.41796875e-01,  2.15820312e-01,  1.47460938e-01,
         1.83105469e-02,  1.04980469e-01, -1.32812500e-01,  8.20312500e-02,
        -1.64062500e-01, -6.77490234e-03,  5.71289062e-02,  1.72851562e-01,
        -1.46484375e-01,  1.09375000e-01,  4.02832031e-02, -8.23974609e-03,
         9.17968750e-02, -4.42504883e-03, -1.15722656e-01, -8.15429688e-02,
         9.37500000e-02, -3.47656250e-01,  8.83789062e-02, -8.11767578e-03,
        -1.46484375e-01, -8.20312500e-02,  9.52148438e-03, -1.91406250e-01,
        -2.24609375e-01,  3.63159180e-03,  2.66113281e-02,  7.86132812e-02,
         2.73437500e-02, -1.63085938e-01, -6.98242188e-02,  8.30078125e-03,
        -1.83593750e-01, -1.94335938e-01, -2.08007812e-01,  3.55468750e-01,
        -2.53906250e-01,  1.69921875e-01, -6.54296875e-02,  8.23974609e-03,
         2.57812500e-01,  2.31445312e-01,  8.54492188e-02,  1.05468750e-01,
         2.01416016e-02,  7.61718750e-02, -3.43750000e-01,  1.12915039e-03,
         3.22265625e-02,  2.12890625e-01,  1.33789062e-01, -1.13525391e-02,
         1.49414062e-01,  7.12890625e-02,  7.47070312e-02,  2.34375000e-01,
         8.10546875e-02, -2.09960938e-02,  1.88476562e-01, -1.38671875e-01,
        -1.22070312e-01,  5.78613281e-02,  1.28906250e-01,  1.01074219e-01,
        -5.15136719e-02, -1.24023438e-01,  4.19921875e-02, -3.22265625e-02,
        -2.07519531e-02,  9.22851562e-02,  1.07421875e-01,  1.92382812e-01,
        -1.49414062e-01, -1.38671875e-01,  1.06933594e-01,  1.17675781e-01,
         3.93066406e-02,  3.68652344e-02, -2.63671875e-02, -1.11816406e-01,
         1.27929688e-01, -1.07421875e-01, -1.79687500e-01, -1.13281250e-01,
         7.37304688e-02, -1.73828125e-01, -1.23291016e-02,  6.93359375e-02,
        -8.74023438e-02,  2.09960938e-02, -3.32641602e-03, -1.19140625e-01,
        -1.72851562e-01,  5.37109375e-03,  2.63671875e-01,  2.55859375e-01,
         2.29492188e-01,  2.08984375e-01, -1.33789062e-01, -2.90527344e-02,
        -2.28515625e-01, -1.11083984e-02,  1.31835938e-01,  1.05957031e-01,
        -8.25195312e-02, -1.39648438e-01,  4.61578369e-04,  1.35742188e-01,
        -9.81445312e-02, -2.07519531e-03,  1.70898438e-02, -2.55126953e-02,
         1.25976562e-01, -5.68847656e-02, -1.66992188e-01,  5.46875000e-02,
         1.95312500e-01,  1.25000000e-01, -1.77734375e-01,  2.48046875e-01,
        -1.01318359e-02,  8.30078125e-02, -7.51953125e-02, -8.88671875e-0
2],
       dtype=float32),
 'serve': array([-0.24804688, -0.26367188,  0.06933594,  0.07666016, -0.153
32031,
        -0.05053711,  0.25390625,  0.09277344, -0.09521484,  0.24707031,
        -0.19921875,  0.16210938,  0.15332031,  0.20410156,  0.11621094,
         0.22558594, -0.05957031,  0.06396484, -0.05908203, -0.13476562,
        -0.03637695,  0.07910156, -0.05322266, -0.03320312,  0.03076172,
        -0.29101562, -0.0546875 ,  0.00842285, -0.05859375,  0.0234375 ,
         0.12597656, -0.03930664, -0.15820312, -0.12792969,  0.1328125 ,
         0.0456543 , -0.03955078,  0.08056641, -0.08789062,  0.10888672,
         0.29296875,  0.328125  , -0.01116943, -0.34960938, -0.09619141,
        -0.265625  ,  0.08837891,  0.14453125, -0.02490234,  0.26367188,
         0.00332642,  0.18164062,  0.08300781, -0.06347656, -0.29296875,
         0.03295898, -0.2109375 , -0.08300781, -0.00708008, -0.05908203,
         0.00704956,  0.10986328, -0.14550781, -0.00506592, -0.07519531,
         0.12158203, -0.12402344, -0.12060547, -0.11523438,  0.09960938,
         0.19921875,  0.03320312,  0.17675781,  0.01239014, -0.17480469,
        -0.49804688, -0.08349609,  0.11474609,  0.00805664,  0.02038574,
        -0.3203125 , -0.25      ,  0.08691406,  0.02282715,  0.08398438,
         0.22851562, -0.46289062, -0.03393555, -0.04174805, -0.27148438,
         0.18261719, -0.27929688,  0.18359375, -0.06494141,  0.22363281,
        -0.17773438, -0.06787109, -0.06884766, -0.27929688, -0.05615234,
        -0.08496094, -0.0559082 ,  0.12402344,  0.10693359,  0.04125977,
        -0.24414062,  0.14453125,  0.10302734, -0.12255859,  0.32226562,
        -0.25390625, -0.05712891, -0.1953125 , -0.1796875 ,  0.06347656,
        -0.07763672,  0.22949219,  0.01055908,  0.31835938, -0.1875    ,
         0.03564453, -0.34179688, -0.11523438,  0.31054688,  0.07910156,
```

```
          0.11132812,  0.09765625,  0.05371094,  0.11083984, -0.00665283,
          0.16796875, -0.012146  , -0.0378418 ,  0.09521484, -0.00263977,
          0.11474609,  0.12890625, -0.05639648,  0.08789062, -0.07373047,
         -0.14453125, -0.09619141, -0.2890625 , -0.24414062, -0.05029297,
          0.06542969,  0.03369141, -0.27539062,  0.05493164,  0.18261719,
         -0.08349609,  0.16894531, -0.01623535,  0.13867188,  0.00253296,
          0.07470703, -0.15527344, -0.16601562, -0.08496094, -0.27734375,
          0.06298828, -0.02331543, -0.1640625 , -0.12207031,  0.01623535,
         -0.07763672,  0.0625    ,  0.07373047,  0.25195312, -0.1875    ,
         -0.03735352, -0.04516602,  0.13574219,  0.00701904,  0.17285156,
         -0.10449219,  0.27539062, -0.28515625, -0.20117188, -0.08105469,
         -0.19433594, -0.15136719, -0.09082031, -0.11474609, -0.07910156,
         -0.02612305, -0.04150391, -0.06689453,  0.19628906,  0.08398438,
          0.03833008, -0.00549316,  0.4609375 , -0.26367188, -0.22753906,
          0.14355469,  0.06591797, -0.17480469, -0.04882812, -0.07519531,
         -0.24804688,  0.0534668 ,  0.05395508, -0.10400391, -0.29101562,
         -0.13574219,  0.12060547,  0.05517578, -0.15039062, -0.02941895,
         -0.05395508,  0.09277344,  0.15917969,  0.02624512,  0.10742188,
          0.09960938, -0.03857422, -0.10400391, -0.1875    , -0.11083984,
          0.15527344, -0.11474609,  0.01165771,  0.04370117,  0.21777344,
         -0.0378418 ,  0.05224609,  0.18945312,  0.07568359,  0.14941406,
         -0.19433594, -0.22851562,  0.1796875 , -0.15527344,  0.05859375,
          0.04370117, -0.08203125,  0.14550781, -0.05371094,  0.15039062,
         -0.05615234,  0.05444336,  0.12695312, -0.01733398, -0.1953125 ,
         -0.00726318, -0.1796875 ,  0.04492188,  0.2109375 , -0.02526855,
         -0.10986328, -0.02978516, -0.17285156,  0.18945312, -0.06298828,
          0.03710938,  0.01831055,  0.14746094, -0.13671875, -0.10253906,
          0.11962891, -0.01409912, -0.03222656,  0.16894531,  0.11328125,
         -0.0213623 ,  0.20019531,  0.19726562, -0.17578125,  0.10791016,
          0.18847656, -0.17773438, -0.03027344,  0.15917969,  0.22460938,
         -0.22167969, -0.09765625, -0.23828125,  0.01544189,  0.0071106 ,
          0.07763672, -0.14746094,  0.24316406,  0.02355957, -0.12207031,
          0.13964844, -0.34960938, -0.04760742, -0.00817871,  0.16699219,
          0.03710938,  0.04907227, -0.28320312,  0.00897217,  0.00427246,
          0.12597656, -0.05175781, -0.0072937 ,  0.08349609, -0.25195312],
        dtype=float32),
 'supportive': array([-0.24121094,  0.00300598, -0.15917969, -0.1328125 , -
0.50390625,
          0.04516602,  0.12695312,  0.04077148,  0.19824219, -0.02270508,
         -0.00408936, -0.02648926,  0.00411987,  0.10302734,  0.09228516,
          0.13085938,  0.08837891,  0.06396484,  0.07421875, -0.03442383,
          0.16210938,  0.36132812,  0.15820312,  0.00268555, -0.00421143,
         -0.01025391, -0.02490234,  0.00366211, -0.10839844, -0.265625  ,
          0.19921875, -0.15332031, -0.24804688, -0.04077148,  0.00738525,
          0.03295898,  0.00704956,  0.0267334 , -0.22070312, -0.16992188,
          0.15820312,  0.11816406, -0.2265625 ,  0.06982422, -0.3203125 ,
         -0.15917969, -0.17382812, -0.04663086,  0.10595703, -0.07910156,
          0.17480469, -0.32421875, -0.07714844,  0.17578125,  0.19726562,
          0.04760742, -0.14257812,  0.03417969, -0.07226562, -0.20214844,
         -0.40625   ,  0.04614258, -0.16699219,  0.01196289,  0.04174805,
          0.09765625, -0.08886719, -0.06445312, -0.01171875,  0.25585938,
          0.00274658, -0.30078125,  0.06591797,  0.11328125, -0.11669922,
          0.05297852,  0.10302734,  0.18652344,  0.23144531,  0.38867188,
          0.05395508,  0.13671875,  0.08251953,  0.15625   , -0.07128906,
         -0.17382812, -0.4296875 ,  0.00463867, -0.15234375, -0.14453125,
         -0.05639648, -0.03088379,  0.04394531, -0.04882812,  0.11376953,
          0.15820312, -0.20996094,  0.06982422, -0.04418945, -0.31835938,
         -0.28125   ,  0.05517578,  0.07177734,  0.01434326, -0.0201416 ,
         -0.10986328,  0.12011719, -0.14355469,  0.3203125 , -0.1796875 ,
         -0.25976562, -0.0625    , -0.00127411,  0.04174805,  0.21972656,
         -0.04272461,  0.19335938, -0.16894531,  0.24121094, -0.07617188,
          0.03808594,  0.00396729,  0.08056641,  0.16503906, -0.30273438,
         -0.34960938,  0.07080078, -0.05541992, -0.15429688,  0.06005859,
         -0.14257812, -0.25195312,  0.140625  ,  0.23828125, -0.14941406,
```

```
        -0.19628906,  0.03015137,  0.08740234,  0.03955078,  0.16503906,
         0.16503906,  0.16503906, -0.02246094, -0.34179688, -0.24609375,
         0.13964844, -0.390625  , -0.03759766,  0.05029297, -0.14941406,
         0.12792969,  0.02954102, -0.03198242,  0.17382812,  0.1484375 ,
         0.05224609, -0.08691406, -0.10449219, -0.08496094,  0.12207031,
        -0.06982422,  0.18261719,  0.234375  ,  0.265625  ,  0.09814453,
        -0.13574219, -0.26953125,  0.12988281,  0.17675781, -0.05883789,
        -0.16601562, -0.12109375,  0.36328125, -0.27148438,  0.33398438,
         0.12158203, -0.09570312,  0.01324463, -0.20703125,  0.00595093,
        -0.12402344, -0.07958984,  0.01904297,  0.17871094, -0.05224609,
        -0.25195312, -0.17675781,  0.19921875, -0.16113281,  0.01574707,
        -0.06445312,  0.0559082 ,  0.12060547, -0.09570312, -0.09960938,
        -0.00811768,  0.15820312,  0.01141357, -0.16113281, -0.13476562,
        -0.1796875 ,  0.30859375,  0.03930664, -0.46679688, -0.20898438,
        -0.20800781, -0.18457031, -0.06201172,  0.01635742, -0.15039062,
         0.171875  ,  0.11181641,  0.00216675,  0.01184082,  0.17480469,
         0.0020752 ,  0.16503906, -0.04199219, -0.05541992,  0.08007812,
        -0.02307129,  0.00436401, -0.27148438, -0.00576782, -0.01965332,
        -0.22753906,  0.1640625 , -0.22363281,  0.0213623 , -0.00273132,
        -0.22363281,  0.02709961,  0.20117188,  0.01818848,  0.00585938,
        -0.05102539, -0.02490234, -0.25390625,  0.296875  , -0.04272461,
        -0.01397705, -0.04101562,  0.05322266,  0.18359375, -0.13476562,
         0.07763672, -0.07177734,  0.0546875 , -0.11035156, -0.12890625,
        -0.02600098,  0.2421875 ,  0.16210938,  0.32617188,  0.04785156,
        -0.09423828, -0.02783203,  0.11132812, -0.11669922,  0.06640625,
        -0.07324219, -0.17089844, -0.00692749,  0.05541992,  0.30078125,
         0.1875    , -0.05834961, -0.10058594, -0.11523438,  0.06347656,
        -0.19824219,  0.22460938,  0.21777344,  0.02270508,  0.10888672,
        -0.2265625 , -0.01031494,  0.18554688, -0.03125   , -0.11523438,
         0.13183594,  0.23535156, -0.1484375 , -0.02429199,  0.29296875,
        -0.05371094, -0.10595703, -0.13085938,  0.44140625, -0.12255859,
        -0.29882812,  0.11035156,  0.08691406, -0.07421875, -0.15136719,
         0.16699219,  0.08984375,  0.27734375,  0.11767578, -0.00338745],
       dtype=float32),
 'organization': array([-0.07226562, -0.15234375, -0.00579834,  0.0014801 ,
-0.0168457 ,
         0.11572266, -0.10742188, -0.12109375,  0.125     , -0.08740234,
        -0.01745605, -0.02209473,  0.01043701,  0.02966309, -0.19726562,
         0.04125977, -0.06591797,  0.11132812, -0.11669922, -0.11279297,
         0.09765625,  0.2734375 , -0.00653076, -0.10058594, -0.06591797,
        -0.06005859, -0.25585938,  0.19433594, -0.19238281, -0.32617188,
         0.00119019, -0.12597656, -0.0390625 ,  0.13671875,  0.24804688,
         0.08203125,  0.00427246, -0.03564453,  0.3359375 , -0.01843262,
         0.07470703,  0.08105469, -0.11572266,  0.14160156, -0.09423828,
        -0.375     , -0.10107422, -0.05126953, -0.12695312,  0.12988281,
         0.06152344,  0.03637695,  0.0234375 ,  0.15429688,  0.05566406,
         0.03759766,  0.05419922,  0.07080078, -0.33007812,  0.01531982,
         0.06591797,  0.00157166,  0.0222168 , -0.05664062,  0.04736328,
         0.04663086, -0.00787354,  0.02893066,  0.23339844,  0.10351562,
        -0.07324219,  0.11328125,  0.03198242, -0.24414062, -0.06689453,
        -0.17675781,  0.13085938,  0.0144043 ,  0.41210938, -0.09277344,
         0.07910156, -0.09912109, -0.04150391,  0.10742188, -0.21386719,
        -0.2890625 , -0.09570312, -0.12402344,  0.20117188,  0.13574219,
         0.16894531, -0.06445312, -0.08691406, -0.39453125,  0.01916504,
        -0.02331543,  0.02038574,  0.11865234,  0.07275391,  0.06591797,
         0.14355469,  0.24902344, -0.00793457,  0.09667969,  0.01147461,
        -0.13574219, -0.07958984, -0.10253906, -0.02478027, -0.05810547,
        -0.15625   , -0.14648438, -0.2578125 ,  0.00622559,  0.07226562,
         0.11523438,  0.06298828,  0.08251953,  0.10351562,  0.18261719,
        -0.07666016, -0.20117188, -0.07324219,  0.12792969, -0.10595703,
        -0.03662109, -0.08984375,  0.23828125, -0.0859375 , -0.02563477,
         0.23046875, -0.09472656, -0.05224609,  0.01519775, -0.00282288,
        -0.21679688, -0.12402344, -0.00860596, -0.11376953, -0.10546875,
        -0.12402344,  0.05419922,  0.01733398, -0.02526855, -0.06347656,
```

```
        -0.14550781,  0.11376953, -0.00805664, -0.04125977,  0.0625    ,
         0.03417969,  0.00439453, -0.36914062,  0.17773438,  0.25390625,
         0.01159668,  0.0324707 ,  0.02294922,  0.12451172,  0.00970459,
         0.14648438,  0.1875    ,  0.17871094,  0.00848389, -0.07861328,
        -0.1484375 , -0.13964844, -0.171875  ,  0.25195312,  0.21191406,
         0.16894531, -0.171875  ,  0.02709961, -0.34765625,  0.21875   ,
        -0.00060272,  0.12402344, -0.07519531,  0.26757812, -0.04345703,
        -0.28710938, -0.171875  ,  0.21386719, -0.03222656, -0.11425781,
        -0.09277344, -0.2109375 ,  0.12255859, -0.06835938, -0.0032196 ,
        -0.11474609, -0.04101562,  0.14550781,  0.01245117, -0.18847656,
        -0.10742188, -0.05273438, -0.03063965,  0.0534668 , -0.04467773,
        -0.05566406, -0.07958984, -0.0133667 , -0.07226562, -0.16601562,
        -0.07373047,  0.13183594,  0.11474609,  0.19042969, -0.01831055,
        -0.05639648, -0.19726562, -0.20019531,  0.08007812,  0.02722168,
         0.15136719, -0.2578125 ,  0.12792969, -0.13769531, -0.08496094,
         0.08691406,  0.04125977,  0.11767578,  0.14453125,  0.05151367,
        -0.00421143,  0.26953125,  0.08496094,  0.04272461,  0.01464844,
        -0.00418091,  0.07763672, -0.04931641, -0.1640625 , -0.13085938,
        -0.00552368, -0.05761719,  0.03808594, -0.00622559, -0.23828125,
        -0.13476562,  0.11914062, -0.11230469,  0.07275391, -0.11816406,
        -0.00195312,  0.05297852, -0.17578125, -0.01525879, -0.08007812,
         0.09912109, -0.04394531, -0.07910156,  0.02392578,  0.05639648,
        -0.19921875, -0.09326172,  0.04296875, -0.12695312,  0.00799561,
        -0.05908203,  0.07958984,  0.05957031,  0.15917969, -0.12451172,
         0.1484375 , -0.05883789,  0.10839844, -0.19628906,  0.00430298,
         0.07226562,  0.00546265,  0.07617188,  0.16308594, -0.21289062,
        -0.20703125, -0.01281738,  0.06982422, -0.15527344, -0.08398438,
        -0.11083984, -0.02636719, -0.01348877,  0.13964844, -0.07177734,
         0.13964844, -0.00219727, -0.03417969,  0.25195312,  0.0050354 ,
         0.04345703, -0.00650024, -0.37109375,  0.07666016, -0.11865234,
        -0.14453125,  0.22753906,  0.16796875, -0.15917969, -0.00358582],
       dtype=float32),
 'functions': array([ 1.96289062e-01, -8.88671875e-02, -1.44653320e-02,  3.
11279297e-02,
        -3.65234375e-01, -1.32812500e-01,  2.30712891e-02, -5.51757812e-02,
        -1.72851562e-01, -1.48437500e-01,  1.13769531e-01, -1.36718750e-01,
        -1.90429688e-01,  2.78320312e-02,  8.64257812e-02,  1.42578125e-01,
         3.51562500e-02, -2.41699219e-02, -7.17773438e-02, -1.00097656e-01,
         1.13769531e-01, -5.49316406e-02, -9.96093750e-02,  2.14843750e-01,
         1.02539062e-01,  5.81054688e-02, -2.40234375e-01,  4.80957031e-02,
        -1.32812500e-01, -1.70898438e-01,  8.78906250e-02, -3.03955078e-02,
         8.10546875e-02,  4.68750000e-01,  3.46679688e-02, -6.78710938e-02,
         1.09863281e-01, -3.10058594e-02,  1.11816406e-01, -3.14941406e-02,
        -6.44531250e-02, -6.54296875e-02,  1.43554688e-01,  6.25000000e-02,
         6.34765625e-02, -2.18750000e-01, -2.87109375e-01, -1.21459961e-02,
        -1.15722656e-01,  1.15722656e-01, -9.61914062e-02, -2.79296875e-01,
         3.39843750e-01, -7.78198242e-04,  4.41894531e-02,  1.01562500e-01,
        -2.28515625e-01, -1.93359375e-01,  1.16699219e-01,  1.35742188e-01,
        -3.95507812e-02,  2.96875000e-01, -1.31835938e-01,  4.95605469e-02,
        -2.07519531e-03,  1.62109375e-01, -1.29882812e-01,  3.20312500e-01,
        -9.42382812e-02, -2.26562500e-01,  2.02148438e-01, -1.07910156e-01,
         3.90625000e-01, -7.50732422e-03,  8.00781250e-02, -4.53125000e-01,
         3.83300781e-02, -1.00585938e-01,  1.28906250e-01, -6.88476562e-02,
         1.19628906e-02,  4.24804688e-02,  3.47656250e-01,  1.03027344e-01,
        -4.61425781e-02, -1.85394287e-03, -5.24902344e-02,  1.04492188e-01,
        -2.47802734e-02,  1.99218750e-01, -4.73632812e-02, -3.41796875e-01,
        -5.34667969e-02, -1.87500000e-01,  1.58203125e-01,  2.64892578e-02,
         6.88476562e-02, -9.08203125e-02,  1.95312500e-02,  2.08007812e-01,
        -1.32812500e-01, -7.76367188e-02,  1.91650391e-02,  1.24023438e-01,
         1.96289062e-01,  7.17773438e-02, -1.14257812e-01,  3.00781250e-01,
         2.65625000e-01,  4.41894531e-02, -4.71191406e-02, -2.67578125e-01,
         3.63769531e-02,  8.25195312e-02,  1.93359375e-01,  2.81250000e-01,
         2.79541016e-02,  8.74023438e-02,  2.08984375e-01, -1.21093750e-01,
        -8.44726562e-02, -9.37500000e-02,  2.50000000e-01,  8.69140625e-02,
```

```
         1.82617188e-01,  6.64062500e-02, -9.96093750e-02,  4.76562500e-01,
         4.76562500e-01, -3.24707031e-02, -9.94873047e-03, -1.23535156e-01,
         5.68847656e-02, -8.05664062e-03, -3.03955078e-02, -2.36328125e-01,
         2.55126953e-02,  1.73828125e-01,  6.15234375e-02, -2.81250000e-01,
         1.77734375e-01, -1.57226562e-01,  4.95605469e-02, -2.82287598e-03,
         1.75781250e-01, -4.90722656e-02, -4.27246094e-03,  1.18164062e-01,
         8.44726562e-02,  6.02722168e-04,  3.76892090e-03,  2.23632812e-01,
        -1.09863281e-01,  3.30078125e-01,  3.00292969e-02, -5.95092773e-03,
        -2.98828125e-01,  4.17480469e-02, -1.17675781e-01, -3.67187500e-01,
        -3.49121094e-02,  8.25195312e-02, -3.75976562e-02,  4.27734375e-01,
        -2.17773438e-01, -2.40234375e-01, -1.01562500e-01,  3.71093750e-02,
        -3.68652344e-02, -8.25195312e-02, -1.49414062e-01,  3.71093750e-02,
        -7.47070312e-02,  1.01562500e-01,  1.39648438e-01, -6.34765625e-02,
         2.61718750e-01, -3.22265625e-01, -2.59765625e-01, -6.34765625e-02,
        -3.94531250e-01,  1.14746094e-01, -1.75781250e-01, -9.32617188e-02,
         9.08203125e-02,  2.31445312e-01,  2.28515625e-01, -6.07910156e-02,
         2.95410156e-02, -7.32421875e-02, -1.94335938e-01, -2.09960938e-01,
        -1.83593750e-01, -5.90820312e-02, -2.51953125e-01, -8.93554688e-02,
        -7.71484375e-02, -2.33398438e-01,  2.55859375e-01, -2.32421875e-01,
         6.20117188e-02,  5.66406250e-02, -3.24218750e-01, -1.31835938e-01,
         1.16699219e-01, -2.47070312e-01,  2.87109375e-01, -1.90429688e-01,
         1.10839844e-01,  9.13085938e-02, -4.24804688e-02, -2.91015625e-01,
        -2.05078125e-01,  1.96289062e-01, -3.18359375e-01, -2.75390625e-01,
         2.50000000e-01,  1.31835938e-01, -8.69140625e-02, -6.03027344e-02,
         7.22656250e-02, -2.02636719e-02, -1.21093750e-01, -1.66015625e-01,
        -2.33398438e-01, -7.27539062e-02, -1.76757812e-01, -9.37500000e-02,
        -2.33154297e-02,  1.51367188e-01,  9.03320312e-02, -2.55859375e-01,
         4.95605469e-02,  2.18505859e-02, -7.47070312e-02, -6.00585938e-02,
        -2.40234375e-01,  3.10058594e-02, -3.83300781e-02,  2.31445312e-01,
         6.15234375e-02,  2.01171875e-01,  1.03515625e-01, -1.05957031e-01,
         9.70458984e-03, -1.87500000e-01, -3.56445312e-02, -7.66601562e-02,
         1.75781250e-01, -2.14843750e-01, -1.62109375e-01,  2.32421875e-01,
        -7.11059570e-03, -2.26562500e-01, -1.55273438e-01, -1.80664062e-01,
        -8.78906250e-02,  1.16210938e-01, -1.38282776e-04,  1.36718750e-01,
         2.57812500e-01, -1.67968750e-01,  1.18164062e-01, -3.85742188e-02,
         8.17871094e-03,  1.44531250e-01,  1.20605469e-01,  1.51977539e-02,
        -3.18359375e-01, -3.85742188e-02,  4.58984375e-02, -2.03125000e-01,
        -6.05468750e-02, -7.22656250e-02,  3.78417969e-02, -3.57421875e-01,
         2.22656250e-01, -1.92871094e-02, -5.12695312e-02,  3.63769531e-02,
        -1.72851562e-01, -1.16210938e-01,  6.83593750e-02,  2.67578125e-01,
         1.19628906e-01,  1.38671875e-01,  8.44726562e-02, -1.16699219e-01,
         1.29882812e-01,  8.00781250e-02, -1.33789062e-01, -9.61914062e-02,
         9.76562500e-02,  9.57031250e-02, -1.59179688e-01,  1.36718750e-01,
         1.88827515e-04, -1.66992188e-01, -7.65991211e-03,  6.98242188e-0
2],
       dtype=float32),
 'goal': array([-1.49414062e-01,  1.05468750e-01,  2.04101562e-01,  1.04492
188e-01,
         1.50390625e-01, -1.38671875e-01,  4.10156250e-01, -4.06250000e-01,
         2.67578125e-01, -9.03320312e-02,  6.54296875e-02, -2.14843750e-01,
         1.13281250e-01, -1.26342773e-02,  4.27246094e-02, -1.05468750e-01,
         1.65039062e-01,  1.82617188e-01,  1.19140625e-01,  7.13348389e-04,
         1.45507812e-01,  3.02734375e-01,  3.43750000e-01,  5.81054688e-02,
         1.49414062e-01,  1.83593750e-01,  4.95605469e-02, -8.39843750e-02,
        -1.89453125e-01, -3.27148438e-02,  5.00488281e-02, -1.52343750e-01,
         6.22558594e-02, -1.71875000e-01,  9.76562500e-02,  1.57226562e-01,
        -1.21093750e-01, -9.15527344e-03,  3.00292969e-02,  1.36718750e-01,
         1.14257812e-01,  1.73828125e-01, -8.54492188e-02,  1.46484375e-01,
        -4.17480469e-02, -4.76074219e-02,  5.68847656e-02, -6.59942627e-04,
        -9.32617188e-02,  1.39648438e-01, -9.22851562e-02, -5.49316406e-02,
         2.35351562e-01,  8.00781250e-02,  2.46093750e-01, -1.25000000e-01,
        -8.17871094e-03, -2.03857422e-02, -7.56835938e-02, -4.34570312e-02,
         9.61914062e-02,  3.54003906e-02, -9.03320312e-02, -7.44628906e-03,
        -3.61328125e-02, -8.00781250e-02,  7.27539062e-02,  1.57226562e-01,
```

```
         1.48437500e-01,  2.03125000e-01, -1.54296875e-01, -6.25000000e-02,
        -1.56250000e-01, -1.27929688e-01, -1.77734375e-01, -2.45117188e-01,
         1.74804688e-01, -4.32128906e-02, -1.39648438e-01,  7.17773438e-02,
        -5.93261719e-02, -7.12890625e-02,  2.27050781e-02,  8.34960938e-02,
         1.52343750e-01, -6.64062500e-02,  9.32617188e-02, -1.56250000e-01,
         1.47460938e-01, -1.00585938e-01,  2.94921875e-01, -2.59765625e-01,
        -1.50390625e-01, -1.08398438e-01,  1.39648438e-01, -2.59765625e-01,
        -2.46093750e-01, -2.50000000e-01, -1.86523438e-01,  1.84570312e-01,
        -1.66992188e-01,  2.55126953e-02, -8.74023438e-02,  1.89453125e-01,
         8.49609375e-02, -7.66601562e-02, -1.11083984e-02, -1.74804688e-01,
         1.04980469e-01, -1.89453125e-01, -1.22558594e-01, -1.32812500e-01,
        -4.71191406e-02,  1.00097656e-02, -2.05078125e-01,  1.17187500e-01,
        -7.22656250e-02,  3.30078125e-01, -2.92968750e-01,  2.14843750e-01,
         6.29882812e-02,  1.53808594e-02, -5.39550781e-02, -3.12500000e-02,
        -1.17187500e-01, -5.27343750e-02, -9.32617188e-02, -1.15722656e-01,
        -6.68334961e-03,  3.94531250e-01,  1.23046875e-01, -2.11914062e-01,
         2.14843750e-01, -3.51562500e-01, -1.71875000e-01,  6.22558594e-02,
        -1.19628906e-01,  1.88476562e-01, -1.88476562e-01,  1.25000000e-01,
        -9.03320312e-03, -1.82617188e-01,  1.61132812e-01,  3.90625000e-03,
        -2.17285156e-02, -7.53784180e-03, -3.04687500e-01,  8.25195312e-02,
        -1.30859375e-01, -1.53320312e-01, -7.12890625e-02,  1.71875000e-01,
        -1.08398438e-01,  3.10546875e-01, -5.37109375e-02,  1.64062500e-01,
         3.75976562e-02, -2.46093750e-01,  3.19824219e-02, -9.71679688e-02,
        -3.10546875e-01,  5.12695312e-02,  2.61718750e-01, -1.50390625e-01,
        -7.76367188e-02,  1.05468750e-01,  2.36328125e-01, -3.12500000e-02,
         5.41992188e-02, -2.62451172e-02,  7.76367188e-02,  5.76171875e-02,
        -1.51367188e-01, -2.41210938e-01,  6.78710938e-02, -1.30859375e-01,
         2.08984375e-01, -1.32812500e-01, -2.04101562e-01, -1.20117188e-01,
        -3.18359375e-01, -1.12792969e-01,  2.42187500e-01,  1.57226562e-01,
        -1.60156250e-01, -6.44531250e-02, -7.12890625e-02, -1.21582031e-01,
         2.11181641e-02,  1.35742188e-01, -2.34375000e-01, -2.92968750e-01,
         2.18750000e-01, -5.00488281e-02, -8.00781250e-02, -1.29882812e-01,
         1.06445312e-01,  2.98828125e-01, -1.71875000e-01, -4.78515625e-02,
        -1.41601562e-01,  1.22070312e-01,  2.87109375e-01, -1.22070312e-01,
         3.30078125e-01, -2.23388672e-02,  2.17285156e-02, -9.19342041e-04,
        -1.72851562e-01,  4.79125977e-03, -1.30859375e-01,  2.14843750e-01,
        -1.42578125e-01,  3.18359375e-01, -2.36328125e-01, -3.14941406e-02,
         2.59765625e-01,  1.34765625e-01,  6.03027344e-02,  1.30859375e-01,
        -3.24707031e-02, -9.39941406e-03,  2.89062500e-01, -2.15820312e-01,
         2.28881836e-04,  1.25976562e-01, -1.72119141e-02,  1.12304688e-02,
         2.10937500e-01,  6.95800781e-03, -1.80664062e-02,  1.26953125e-01,
        -2.32421875e-01, -6.83593750e-02,  1.95312500e-02, -9.52148438e-02,
        -3.57421875e-01, -5.90820312e-02, -2.61718750e-01,  2.53906250e-01,
         1.11328125e-01, -2.67333984e-02,  1.10351562e-01, -3.28125000e-01,
        -1.27929688e-01,  2.91015625e-01,  2.58789062e-02,  1.67968750e-01,
         5.24902344e-02,  8.85009766e-03, -1.19140625e-01, -1.18164062e-01,
         2.89062500e-01,  2.96875000e-01, -3.90625000e-02, -2.72216797e-02,
         1.42211914e-02, -3.02734375e-01, -2.83203125e-01, -1.76757812e-01,
        -1.61132812e-01,  1.43554688e-01,  1.67968750e-01, -4.85839844e-02,
         1.01074219e-01,  5.59082031e-02,  4.90722656e-02, -7.95898438e-02,
        -1.95312500e-01, -2.85156250e-01, -3.71093750e-02,  2.31933594e-02,
        -1.53320312e-01,  9.08203125e-02, -1.99218750e-01, -1.28784180e-02,
        -2.59765625e-01, -2.50000000e-01, -8.20312500e-02,  2.75390625e-01,
         5.12695312e-02, -6.73828125e-02, -1.89453125e-01,  8.59375000e-02,
        -2.73437500e-01, -1.49536133e-02,  7.66601562e-02, -4.29687500e-02,
         2.73437500e-01, -2.53906250e-02, -1.59179688e-01, -3.17382812e-02,
        -2.69531250e-01,  1.05957031e-01,  1.56250000e-02,  1.53320312e-01,
         2.89062500e-01, -1.52587891e-02, -4.02343750e-01, -1.54296875e-0
1],
       dtype=float32),
 'based': array([ 1.03027344e-01, -8.72802734e-03,  2.39257812e-01, -7.7148
4375e-02,
         8.25195312e-02,  1.83593750e-01,  7.91015625e-02, -8.59375000e-02,
        -2.96630859e-02,  2.81250000e-01, -8.78906250e-03,  1.88476562e-01,
```

```
 8.78906250e-03, -1.44042969e-02, -2.15820312e-01, -1.36718750e-01,
 9.96093750e-02,  4.22363281e-02, -2.22656250e-01,  3.95507812e-02,
-3.14453125e-01,  4.80957031e-02, -3.18359375e-01,  5.78613281e-02,
-1.01928711e-02, -1.56250000e-01,  7.32421875e-02,  2.57812500e-01,
 1.18164062e-01, -2.44140625e-01,  1.11328125e-01, -1.81640625e-01,
-6.15234375e-02,  1.57226562e-01, -1.77734375e-01,  1.16210938e-01,
-2.11914062e-01,  1.85546875e-01,  5.00488281e-02, -7.61718750e-02,
-3.63769531e-02,  1.90429688e-01,  5.73730469e-02,  1.64062500e-01,
-1.57470703e-02, -1.45507812e-01,  2.30712891e-02, -3.80859375e-02,
 8.83789062e-02,  2.12890625e-01,  3.63281250e-01,  1.10351562e-01,
 3.83300781e-02, -1.37695312e-01, -2.11914062e-01, -1.77001953e-02,
-3.02734375e-01, -1.83593750e-01,  3.93066406e-02,  4.05273438e-02,
 1.20117188e-01, -8.25195312e-02, -6.34765625e-02,  1.16210938e-01,
 7.56835938e-02,  9.64355469e-03, -1.25000000e-01,  2.16796875e-01,
 1.25000000e-01, -7.61718750e-02,  5.88378906e-02, -1.44531250e-01,
-2.24609375e-02,  1.08886719e-01,  4.27246094e-02,  1.24511719e-01,
 5.46875000e-02,  7.03125000e-02,  3.34472656e-02, -6.05468750e-02,
 9.66796875e-02, -1.45507812e-01,  6.34765625e-02,  6.25000000e-02,
 1.25732422e-02, -1.52343750e-01, -1.26953125e-01,  1.41601562e-01,
 1.12915039e-02, -7.38525391e-03,  2.25585938e-01, -1.21582031e-01,
-2.19726562e-01, -7.26318359e-03,  1.01074219e-01,  3.10546875e-01,
-1.17675781e-01, -1.08886719e-01,  1.59912109e-02, -2.73437500e-01,
 2.03125000e-01, -4.54101562e-02,  4.39453125e-02,  2.02148438e-01,
-1.66015625e-02, -5.56640625e-02, -1.21459961e-02, -8.66699219e-03,
 1.33789062e-01, -1.47460938e-01, -5.05371094e-02, -2.07031250e-01,
-2.53906250e-01, -9.66796875e-02,  9.57031250e-02,  5.02929688e-02,
-1.61132812e-01,  1.51367188e-01,  3.04687500e-01,  1.36718750e-01,
 4.32128906e-02, -2.12402344e-02, -3.02734375e-02,  1.03515625e-01,
-1.28906250e-01,  7.32421875e-02, -1.07421875e-01, -2.53906250e-01,
 2.18505859e-02,  2.18505859e-02, -1.31225586e-02, -2.49023438e-01,
-3.75976562e-02,  1.15966797e-02, -8.20312500e-02, -8.30078125e-02,
 2.45117188e-01, -9.71679688e-02, -2.36328125e-01,  6.49414062e-02,
 8.05664062e-02, -8.74023438e-02, -3.14941406e-02,  1.85546875e-01,
-3.27148438e-02,  6.17980957e-04, -1.15234375e-01, -7.38525391e-03,
 1.10839844e-01,  1.17675781e-01,  8.54492188e-02, -2.13623047e-03,
 1.16699219e-01, -1.15722656e-01, -9.71679688e-02, -2.25585938e-01,
-2.28271484e-02, -1.34887695e-02,  2.57568359e-02,  1.12304688e-01,
 1.04003906e-01, -3.01513672e-02, -2.58789062e-02,  2.00195312e-02,
 9.03320312e-02,  7.81250000e-02, -9.08203125e-02, -1.81640625e-01,
-1.06201172e-02, -1.17797852e-02, -2.28881836e-04, -3.32031250e-01,
 1.36718750e-01, -1.13769531e-01,  3.56445312e-02,  5.10253906e-02,
-8.39843750e-02, -1.38671875e-01, -5.88989258e-03, -2.29492188e-02,
-2.21679688e-01, -2.06054688e-01, -5.06591797e-03,  2.59765625e-01,
 3.27148438e-02, -2.61230469e-02, -1.69921875e-01,  6.25000000e-02,
-1.66992188e-01,  6.10351562e-02, -1.11816406e-01,  8.69140625e-02,
-4.17480469e-02, -2.51953125e-01, -3.71093750e-01, -1.80664062e-02,
-1.56250000e-01, -2.06054688e-01,  4.51660156e-02, -2.77343750e-01,
 4.78515625e-02,  5.61523438e-02,  1.58203125e-01,  2.50000000e-01,
-1.42578125e-01,  1.13281250e-01,  2.10937500e-01,  1.57226562e-01,
 5.18798828e-03, -2.77343750e-01,  1.47460938e-01, -4.83398438e-02,
-2.58789062e-02,  1.32812500e-01,  2.06298828e-02, -1.34765625e-01,
 9.17968750e-02, -1.52343750e-01,  5.49316406e-02,  4.56542969e-02,
-2.10937500e-01,  1.45507812e-01, -1.01562500e-01, -9.22851562e-02,
 4.68750000e-02, -6.74438477e-03, -1.95312500e-01, -1.46484375e-01,
-1.68945312e-01,  1.57226562e-01,  2.03125000e-01, -2.83203125e-01,
 2.40478516e-02, -1.57470703e-02, -8.25195312e-02, -1.58203125e-01,
-3.99780273e-03, -1.06933594e-01, -7.56835938e-02,  1.46484375e-02,
 5.66406250e-02, -1.47460938e-01,  3.29589844e-02,  6.88476562e-02,
-1.02539062e-01, -6.68945312e-02, -1.93359375e-01,  1.28906250e-01,
-2.45361328e-02, -2.17773438e-01, -1.01074219e-01, -4.93164062e-02,
-4.10156250e-02, -2.92968750e-02,  1.08398438e-01,  9.52148438e-02,
-2.81250000e-01,  1.29394531e-02, -1.51062012e-03,  7.22656250e-02,
-3.39843750e-01,  5.73730469e-02,  1.41601562e-02,  5.22460938e-02,
 3.58886719e-02,  2.24609375e-02,  6.50024414e-03, -1.67968750e-01,
```

```
        -3.95507812e-02, -2.55126953e-02, -1.70898438e-01, -1.66015625e-02,
        -1.77001953e-02, -2.55126953e-02,  9.03320312e-02, -6.88476562e-02,
        -2.53906250e-01,  1.53320312e-01, -5.07812500e-02, -3.75976562e-02,
        -1.75781250e-01, -6.44531250e-02, -1.27929688e-01,  2.77343750e-01,
         1.00585938e-01,  1.62353516e-02, -6.49414062e-02,  7.42187500e-02,
        -1.74560547e-02, -4.66308594e-02, -6.10351562e-02,  1.44531250e-01,
        -1.61132812e-01,  2.65625000e-01,  2.92968750e-01, -2.04101562e-01,
         1.69921875e-01,  4.63867188e-02,  1.10351562e-01, -1.68945312e-0
1],
       dtype=float32),
 'indirect': array([ 3.80859375e-01, -1.97265625e-01, -1.84326172e-02,  6.3
4765625e-02,
         9.96093750e-02, -1.24359131e-03,  8.44726562e-02, -4.80957031e-02,
         1.74804688e-01,  2.65625000e-01, -1.74804688e-01, -1.34765625e-01,
        -1.74804688e-01, -9.81445312e-02, -1.08398438e-01, -4.49218750e-02,
        -5.56640625e-02,  2.03125000e-01,  1.70135498e-03,  1.10839844e-01,
        -2.34375000e-01,  3.03955078e-02, -1.55273438e-01,  5.61523438e-02,
        -4.73632812e-02, -1.23535156e-01, -2.81250000e-01, -9.47265625e-02,
        -8.34960938e-02,  1.08886719e-01,  2.08984375e-01, -6.17187500e-01,
        -3.69140625e-01,  9.47265625e-02,  1.10839844e-01, -7.32421875e-02,
         1.73828125e-01, -8.88671875e-02, -6.15234375e-02, -2.55126953e-02,
         2.61718750e-01, -3.44238281e-02,  9.17968750e-02, -7.76367188e-02,
        -1.20117188e-01, -3.45703125e-01, -5.54199219e-02, -7.51953125e-02,
        -1.28906250e-01, -3.49121094e-02,  1.48437500e-01,  7.81250000e-02,
        -5.12695312e-02,  7.86132812e-02, -8.05664062e-02, -8.34960938e-02,
         1.28906250e-01,  9.96093750e-02, -2.51464844e-02,  6.34765625e-02,
        -3.28125000e-01, -1.30004883e-02, -8.30078125e-02,  2.23632812e-01,
        -2.37304688e-01, -1.69921875e-01, -9.03320312e-02,  5.88378906e-02,
        -1.97265625e-01,  6.07910156e-02, -1.63085938e-01, -4.39453125e-02,
         2.98828125e-01,  6.59179688e-02, -1.10839844e-01, -1.40625000e-01,
        -6.49414062e-02,  1.60156250e-01, -1.12304688e-01,  4.15039062e-02,
         4.07714844e-02, -2.21679688e-01, -2.25585938e-01,  1.52343750e-01,
         1.64062500e-01,  3.66210938e-02, -8.25195312e-02,  4.45312500e-01,
        -1.70898438e-01, -3.49121094e-02,  3.99780273e-03, -2.20947266e-02,
        -3.45703125e-01, -3.78417969e-02,  1.96533203e-02, -1.04980469e-01,
         1.97265625e-01, -1.81198120e-04,  9.81445312e-02,  2.42187500e-01,
        -6.73828125e-02, -1.79687500e-01, -1.72851562e-01, -1.76757812e-01,
        -1.02050781e-01, -9.17968750e-02,  4.98046875e-02, -5.07812500e-02,
         5.42968750e-01, -2.25585938e-01, -2.81250000e-01, -8.49609375e-02,
         1.77734375e-01, -3.68652344e-02,  2.85156250e-01,  3.00781250e-01,
         1.66992188e-01,  1.36718750e-01, -3.80859375e-02,  7.47070312e-02,
        -1.22070312e-02,  1.46484375e-01, -1.05957031e-01, -1.05957031e-01,
        -3.49609375e-01,  6.17675781e-02,  5.90820312e-02,  2.02148438e-01,
        -7.56835938e-02,  2.46093750e-01, -3.01513672e-02,  7.81250000e-02,
        -1.40625000e-01, -8.20312500e-02,  2.10937500e-01, -5.68847656e-02,
        -2.64892578e-02, -1.53320312e-01,  1.70898438e-01, -1.10351562e-01,
         1.62109375e-01,  1.24023438e-01, -6.25000000e-02,  1.34765625e-01,
        -6.54296875e-02, -2.55859375e-01, -1.84570312e-01,  7.32421875e-02,
        -1.20117188e-01,  1.49414062e-01,  8.25195312e-02,  8.93554688e-02,
        -3.17382812e-02,  7.51953125e-02, -1.96533203e-02, -2.23632812e-01,
         7.61718750e-02, -7.91015625e-02,  2.38281250e-01,  1.34765625e-01,
         1.29699707e-03,  3.49609375e-01, -2.30468750e-01, -1.80664062e-01,
        -1.81640625e-01,  2.69531250e-01, -4.91333008e-03,  1.77734375e-01,
         5.54199219e-02, -8.59375000e-02,  1.57470703e-02,  2.49023438e-01,
         2.73437500e-01, -1.46484375e-01,  1.48437500e-01,  1.20117188e-01,
         2.35351562e-01, -6.29882812e-02, -1.24023438e-01, -9.86328125e-02,
        -2.31445312e-01,  2.25830078e-02,  6.44531250e-02,  1.86523438e-01,
        -8.00781250e-02,  3.45703125e-01,  1.39648438e-01,  1.70898438e-01,
        -1.81884766e-02,  2.09960938e-01, -1.61132812e-01,  1.40625000e-01,
        -2.42187500e-01, -1.63085938e-01,  7.66601562e-02, -3.08837891e-02,
        -6.54296875e-02, -1.46484375e-01,  8.49609375e-02, -3.04687500e-01,
         3.66210938e-02,  2.46093750e-01,  5.68847656e-02, -6.49414062e-02,
         1.97265625e-01, -1.69921875e-01, -8.59375000e-02,  8.74023438e-02,
        -4.24194336e-03,  6.83593750e-02, -3.71093750e-02, -1.87988281e-02,
```

```
        -1.49414062e-01,  3.12500000e-01,  8.74023438e-02, -2.34375000e-01,
         5.51757812e-02,  5.68847656e-02,  1.04370117e-02, -1.46484375e-01,
         2.50000000e-01,  8.44726562e-02,  1.00097656e-01,  1.44042969e-02,
        -2.01171875e-01,  2.18750000e-01,  3.67187500e-01,  2.59765625e-01,
         4.34570312e-02,  1.69677734e-02,  3.12500000e-02,  5.61523438e-02,
        -8.15429688e-02,  1.20117188e-01,  2.12890625e-01, -9.08203125e-02,
        -7.78198242e-03,  4.27246094e-02,  1.44531250e-01, -2.96875000e-01,
         5.93261719e-02, -4.39453125e-02,  1.06445312e-01,  2.68554688e-02,
         2.09960938e-02, -6.49414062e-02,  2.53906250e-02,  7.37304688e-02,
         1.03515625e-01, -7.71484375e-02,  1.33789062e-01, -2.67578125e-01,
        -1.25976562e-01, -1.25000000e-01,  5.83496094e-02, -3.34472656e-02,
         4.05883789e-03,  1.17187500e-01, -2.84423828e-02, -1.53320312e-01,
         9.37500000e-02, -7.91015625e-02, -3.90625000e-02, -6.59179688e-02,
         1.00097656e-01, -8.93554688e-02, -8.00781250e-02, -4.58984375e-02,
        -2.50244141e-02, -9.42382812e-02, -6.39648438e-02, -2.81982422e-02,
         4.27246094e-02, -3.28125000e-01,  1.78710938e-01, -1.47460938e-01,
        -7.37304688e-02,  9.32617188e-02,  3.51562500e-01,  3.14453125e-01,
        -2.84423828e-02, -1.50756836e-02, -7.61718750e-02, -5.41992188e-02,
        -1.03027344e-01, -2.18750000e-01, -9.81445312e-02,  2.79296875e-01,
         3.26171875e-01, -1.45507812e-01, -9.86328125e-02, -5.63964844e-02,
         2.16796875e-01,  1.47460938e-01,  1.23901367e-02,  2.09960938e-01,
         1.38671875e-01,  7.03125000e-02, -1.29882812e-01, -1.11816406e-0
1],
       dtype=float32),
 'fas': array([-1.22070312e-01,  3.51562500e-02, -9.37500000e-02,  3.125000
00e-01,
        -8.54492188e-02, -4.41894531e-02, -1.78710938e-01,  1.70898438e-02,
         5.03540039e-03,  5.32226562e-02, -2.47192383e-03, -2.05078125e-01,
        -6.83593750e-02, -8.59375000e-02, -1.07910156e-01,  1.10839844e-01,
        -7.22656250e-02,  1.60156250e-01, -6.64062500e-02, -3.68652344e-02,
        -2.09960938e-01, -1.49414062e-01,  2.92968750e-01, -3.85742188e-02,
        -2.65625000e-01, -1.86157227e-03, -2.91015625e-01,  6.64062500e-02,
         1.07421875e-01,  1.04492188e-01,  3.54003906e-02,  3.24707031e-02,
         1.88476562e-01, -3.04687500e-01, -1.53320312e-01,  1.17187500e-01,
        -6.98242188e-02,  3.43750000e-01,  1.04003906e-01,  1.09375000e-01,
         3.29589844e-02, -5.51757812e-02, -6.12792969e-02,  3.75000000e-01,
        -1.11083984e-02, -4.17480469e-02, -2.50244141e-02, -1.41601562e-01,
        -1.86523438e-01,  5.46875000e-02,  6.64062500e-02,  9.08203125e-02,
         1.66015625e-02,  1.00097656e-01,  8.44726562e-02,  1.19628906e-02,
        -5.85937500e-02, -7.66601562e-02,  3.22265625e-02,  3.36914062e-02,
         1.32446289e-02,  4.10079956e-05, -4.80957031e-02,  1.49414062e-01,
        -4.80957031e-02, -1.50390625e-01, -1.17675781e-01, -4.32128906e-02,
        -1.10351562e-01,  8.44726562e-02,  2.92968750e-03,  4.88281250e-02,
         5.32226562e-02, -2.92968750e-02, -8.00781250e-02,  5.02929688e-02,
         3.44238281e-02, -2.03125000e-01,  7.17773438e-02, -1.68945312e-01,
        -9.76562500e-02,  1.50146484e-02,  6.03027344e-02, -2.61718750e-01,
         1.12792969e-01,  9.17968750e-02, -1.61132812e-01,  2.18750000e-01,
         1.85546875e-01,  5.66406250e-02, -5.85937500e-02,  9.27734375e-02,
        -1.20605469e-01, -1.69372559e-03,  1.64794922e-03, -4.45556641e-03,
         1.40625000e-01, -4.85839844e-02,  2.03125000e-01, -5.20019531e-02,
        -2.36328125e-01,  4.10156250e-02, -8.78906250e-03,  5.20019531e-02,
        -6.17675781e-02,  4.10156250e-02, -7.61718750e-02,  4.76074219e-02,
         6.00585938e-02,  4.93164062e-02, -1.46484375e-01, -8.15429688e-02,
         1.13769531e-01, -5.56640625e-02, -5.49316406e-03,  3.00781250e-01,
        -5.85937500e-02, -3.47656250e-01, -4.51660156e-02, -1.22070312e-01,
         6.39648438e-02, -2.06054688e-01, -6.44531250e-02,  6.59179688e-03,
         5.22460938e-02, -3.73840332e-03, -1.61132812e-01,  1.67968750e-01,
        -9.81445312e-02, -2.60009766e-02, -6.03027344e-02,  8.78906250e-02,
         9.33837891e-03, -8.39843750e-02, -2.27539062e-01,  7.08007812e-02,
         6.31713867e-03,  1.72851562e-01,  2.36328125e-01,  5.81054688e-02,
         3.08593750e-01,  9.03320312e-02,  4.85839844e-02, -4.32128906e-02,
        -6.49414062e-02, -3.85742188e-02, -3.17382812e-02,  4.39453125e-02,
        -9.08203125e-02, -9.47265625e-02,  7.47070312e-02, -1.40625000e-01,
        -3.75976562e-02, -1.77734375e-01,  5.12695312e-02, -9.71679688e-02,
```

```
        -3.00292969e-02,  2.71484375e-01, -5.15136719e-02, -1.33789062e-01,
         5.61523438e-02,  5.34667969e-02, -5.76171875e-02,  4.71191406e-02,
        -3.68652344e-02,  1.21582031e-01,  7.76367188e-02,  4.17480469e-02,
         1.64794922e-02,  8.10546875e-02,  4.39453125e-02, -7.71484375e-02,
         1.63085938e-01, -6.59179688e-02, -5.78613281e-02,  1.44531250e-01,
         2.17285156e-02, -3.08593750e-01,  2.75390625e-01, -1.21093750e-01,
         1.46484375e-01,  1.80816650e-03, -4.29687500e-02, -1.73828125e-01,
        -1.15966797e-02,  4.51660156e-02, -1.04980469e-01,  1.74804688e-01,
        -8.69140625e-02, -5.07812500e-02,  6.54296875e-02,  5.56640625e-02,
        -1.53320312e-01,  1.86523438e-01,  2.19726562e-01,  4.46777344e-02,
        -4.54101562e-02, -1.79443359e-02, -1.51367188e-02, -2.27050781e-02,
        -5.95703125e-02, -2.39257812e-02, -2.07031250e-01, -1.59179688e-01,
        -1.10351562e-01,  1.12915039e-03, -2.03857422e-02, -4.39453125e-02,
        -3.90625000e-02,  1.38671875e-01,  5.24902344e-02, -8.25195312e-02,
        -2.27539062e-01, -8.10546875e-02, -8.10546875e-02,  4.07714844e-02,
         5.29785156e-02, -1.74804688e-01, -1.97265625e-01,  4.46777344e-02,
        -1.27929688e-01, -3.18908691e-03,  8.39843750e-02,  2.50000000e-01,
        -3.28063965e-03, -1.23046875e-01,  6.78710938e-02, -1.81640625e-01,
         6.93359375e-02, -7.56835938e-02,  8.39843750e-02, -8.83789062e-02,
         1.06933594e-01, -1.56250000e-01,  1.15722656e-01,  1.97265625e-01,
        -1.34765625e-01, -1.01074219e-01,  1.37695312e-01,  2.49023438e-02,
        -3.72314453e-03,  1.00585938e-01,  2.57568359e-02, -5.00488281e-02,
         1.75781250e-01,  2.66113281e-02, -1.43554688e-01,  6.78710938e-02,
         4.02832031e-02,  3.36914062e-02,  2.34375000e-01, -8.88671875e-02,
         9.17968750e-02,  2.42919922e-02, -1.22070312e-02, -6.15234375e-02,
        -1.94335938e-01, -3.88183594e-02,  9.03320312e-02,  1.23535156e-01,
         2.63671875e-01,  4.10156250e-02,  1.10839844e-01, -8.25195312e-02,
         1.10626221e-03, -7.91015625e-02, -7.08007812e-02, -7.08007812e-02,
         6.29882812e-02,  1.16210938e-01, -1.05957031e-01,  1.48437500e-01,
        -4.78515625e-02,  5.81054688e-02,  1.37695312e-01, -9.17968750e-02,
        -8.44726562e-02, -1.58203125e-01, -4.15039062e-02,  1.82617188e-01,
        -1.57226562e-01,  3.80859375e-02,  5.32226562e-02, -2.11181641e-02,
         1.08886719e-01,  6.25610352e-03, -2.22167969e-02, -2.39257812e-02,
        -1.80664062e-01, -3.58581543e-03,  1.39648438e-01,  1.02050781e-01,
         3.88183594e-02,  6.93359375e-02, -4.68750000e-02,  1.58691406e-02,
        -9.81445312e-02,  2.13867188e-01, -5.90820312e-02,  1.40625000e-0
1],
       dtype=float32),
 'effective': array([-0.02893066, -0.03491211, -0.12597656,  0.07861328, -
0.18261719,
         0.08007812,  0.14355469, -0.00527954,  0.30859375,  0.07080078,
         0.12792969, -0.2578125 ,  0.18847656,  0.04492188,  0.02722168,
         0.1484375 ,  0.16308594,  0.02990723,  0.07666016,  0.10595703,
        -0.00668335,  0.01062012,  0.03271484,  0.20605469, -0.05175781,
         0.01513672, -0.13378906, -0.16308594,  0.03393555, -0.02612305,
         0.12304688, -0.24804688,  0.0456543 , -0.09277344,  0.08300781,
         0.11523438, -0.07714844,  0.11181641,  0.31445312, -0.01916504,
         0.24316406, -0.08837891,  0.06738281, -0.1796875 , -0.09814453,
        -0.15625   , -0.05126953, -0.05078125,  0.07714844,  0.10498047,
         0.13378906, -0.06298828, -0.03759766, -0.08544922,  0.10205078,
        -0.04321289, -0.20800781, -0.30273438,  0.02233887, -0.13671875,
        -0.14453125, -0.09082031, -0.5078125 ,  0.18554688, -0.10839844,
         0.07421875, -0.22753906,  0.21777344, -0.00765991,  0.08349609,
        -0.00198364,  0.0324707 ,  0.09814453,  0.06835938, -0.14453125,
        -0.20703125,  0.12304688,  0.0703125 ,  0.02685547,  0.25195312,
        -0.1171875 ,  0.04931641,  0.10791016,  0.12402344,  0.11767578,
        -0.17285156,  0.02050781, -0.21191406,  0.10205078,  0.2265625 ,
        -0.08300781, -0.06835938,  0.140625  , -0.10009766,  0.02099609,
        -0.15234375, -0.14257812, -0.09228516,  0.00579834,  0.06933594,
        -0.14648438,  0.24023438, -0.28515625, -0.01000977,  0.01611328,
        -0.27734375, -0.00964355, -0.07177734,  0.22949219, -0.24023438,
         0.01611328, -0.08544922, -0.37890625, -0.05078125,  0.11083984,
        -0.06201172,  0.18164062, -0.25390625,  0.02490234, -0.07128906,
        -0.08837891, -0.12158203,  0.17285156, -0.0055542 , -0.00561523,
```

```
        -0.00811768,  0.13476562,  0.09716797,  0.11474609,  0.11914062,
        -0.06494141,  0.03491211, -0.10742188,  0.18066406, -0.05786133,
        -0.12597656,  0.11132812, -0.25585938, -0.00323486,  0.19824219,
         0.11914062,  0.25195312, -0.01342773,  0.03149414, -0.08398438,
        -0.16992188, -0.09277344, -0.11279297,  0.0625    ,  0.00469971,
         0.02026367, -0.01397705,  0.10351562,  0.05175781, -0.03027344,
        -0.08398438, -0.02697754, -0.02502441, -0.08300781, -0.10888672,
         0.13183594,  0.32226562,  0.012146  , -0.23339844, -0.30859375,
        -0.1796875 , -0.34179688, -0.0378418 ,  0.13378906, -0.11328125,
        -0.07568359, -0.14550781, -0.28710938,  0.00860596,  0.02746582,
         0.33007812,  0.00291443,  0.01672363, -0.16308594,  0.05004883,
        -0.0559082 , -0.08740234, -0.20996094, -0.05102539, -0.18554688,
         0.05761719, -0.03039551, -0.00306702,  0.33203125,  0.04785156,
        -0.39453125,  0.04614258,  0.04785156, -0.23730469, -0.15332031,
        -0.16308594,  0.06689453, -0.23828125,  0.29296875, -0.29296875,
        -0.08349609,  0.02331543,  0.19140625, -0.03076172, -0.18847656,
        -0.18164062,  0.01672363,  0.02502441, -0.03857422, -0.01251221,
        -0.24414062,  0.15722656, -0.2734375 ,  0.02429199, -0.07080078,
         0.04052734,  0.12402344, -0.03198242,  0.12011719,  0.25      ,
         0.12890625,  0.10449219, -0.04516602,  0.03369141,  0.171875  ,
         0.10351562,  0.20507812, -0.07763672,  0.10009766,  0.04663086,
         0.02832031,  0.25195312,  0.23535156,  0.02661133, -0.19335938,
         0.11328125, -0.26953125, -0.27734375, -0.05786133, -0.01043701,
         0.04272461, -0.0111084 ,  0.06884766, -0.16796875, -0.0017395 ,
         0.14453125, -0.23339844,  0.00521851, -0.0559082 , -0.22363281,
         0.05200195, -0.15136719, -0.06933594,  0.16308594,  0.14160156,
        -0.13671875, -0.07763672, -0.12890625,  0.07617188, -0.22558594,
         0.09960938, -0.03759766,  0.01013184, -0.04638672, -0.09033203,
        -0.20996094,  0.02185059, -0.23242188, -0.27929688,  0.05175781,
         0.37695312, -0.09130859, -0.15820312,  0.10205078,  0.10058594,
         0.09814453, -0.06738281, -0.01086426,  0.16699219,  0.0559082 ,
         0.00595093,  0.30078125,  0.02197266, -0.21582031, -0.08056641,
        -0.04125977,  0.14648438, -0.11132812,  0.20996094, -0.13476562,
        -0.17773438, -0.08251953,  0.10839844,  0.20800781, -0.14550781,
         0.375     , -0.07080078, -0.00314331, -0.10498047,  0.33984375],
       dtype=float32),
 'individualized': array([-1.56250000e-01, -2.01171875e-01, -1.09375000e-0
1,  3.71093750e-01,
        -1.48437500e-01,  9.96093750e-02,  2.26562500e-01, -3.24707031e-02,
        -2.43164062e-01, -2.81250000e-01, -1.89453125e-01,  2.44140625e-01,
         2.65625000e-01,  1.55273438e-01,  6.78710938e-02,  1.74804688e-01,
        -8.83789062e-02,  1.83593750e-01,  8.34960938e-02,  7.20214844e-03,
        -3.27148438e-02,  3.46679688e-02, -1.17187500e-02,  2.57812500e-01,
        -3.76953125e-01, -2.49023438e-01,  1.20849609e-02, -4.37011719e-02,
        -1.20849609e-02, -2.85156250e-01, -3.95507812e-02, -1.29882812e-01,
        -1.52343750e-01, -4.46777344e-02, -1.44531250e-01, -4.57031250e-01,
         1.47460938e-01, -1.84570312e-01, -3.22265625e-02, -3.49609375e-01,
         5.54199219e-02,  2.59765625e-01, -1.85546875e-01, -2.73437500e-02,
         1.20117188e-01, -5.46875000e-01,  9.64355469e-03,  1.71875000e-01,
        -3.75976562e-02, -1.50390625e-01,  6.03027344e-02,  2.00195312e-01,
        -5.27343750e-01,  6.34765625e-02,  2.02148438e-01,  1.81640625e-01,
        -1.43554688e-01, -3.78906250e-01, -4.51660156e-02, -1.44531250e-01,
         1.66992188e-01,  1.27563477e-02, -2.81982422e-02, -1.56250000e-01,
         4.76074219e-02, -8.00781250e-02, -1.13769531e-01, -6.05468750e-02,
        -6.68945312e-02, -9.52148438e-03, -1.56250000e-01, -1.42578125e-01,
         3.69140625e-01,  2.73437500e-02,  2.06298828e-02, -1.77001953e-02,
         1.51367188e-01,  1.05468750e-01,  1.08398438e-01,  1.20605469e-01,
        -1.17187500e-01, -8.83789062e-02, -1.64062500e-01,  2.36816406e-02,
         2.57812500e-01, -3.75000000e-01, -1.93359375e-01,  2.65625000e-01,
         3.65234375e-01, -1.26342773e-02,  1.54296875e-01, -2.49023438e-01,
        -1.29882812e-01,  1.04003906e-01,  2.08984375e-01, -8.64257812e-02,
         8.93554688e-02, -1.16210938e-01, -8.49609375e-02, -2.47070312e-01,
         2.96875000e-01, -8.30078125e-03, -9.52148438e-02, -1.33789062e-01,
        -8.59375000e-02, -5.34057617e-04,  1.15722656e-01,  2.37304688e-01,
```

```
         8.74023438e-02, -1.51367188e-01, -1.63085938e-01, -2.27539062e-01,
        -1.92382812e-01, -7.51953125e-02,  4.96093750e-01,  2.69531250e-01,
        -1.80664062e-01, -2.28515625e-01,  9.17968750e-02,  2.03125000e-01,
        -2.87109375e-01, -5.51757812e-02,  2.61718750e-01,  1.48437500e-01,
         1.06445312e-01,  1.92382812e-01,  6.29882812e-02,  6.56127930e-03,
        -1.27929688e-01,  5.58593750e-01, -1.41601562e-01, -2.89062500e-01,
        -1.31835938e-01,  2.49023438e-01, -1.21093750e-01, -1.78710938e-01,
         1.93359375e-01,  1.83105469e-02, -1.29882812e-01, -4.11987305e-03,
        -8.65936279e-04, -4.34570312e-02, -4.00390625e-01, -6.25000000e-02,
         2.17285156e-02, -1.39770508e-02, -8.00781250e-02,  4.58984375e-02,
        -3.39355469e-02, -1.71875000e-01,  3.83300781e-02,  9.91210938e-02,
        -1.05957031e-01, -1.94335938e-01,  8.23974609e-03, -3.55468750e-01,
        -1.33056641e-02, -5.07812500e-02, -1.25000000e-01,  2.14843750e-01,
        -1.30859375e-01,  3.41796875e-02, -1.66992188e-01,  1.41601562e-01,
        -2.63671875e-01,  7.42187500e-02, -2.00195312e-01, -2.91015625e-01,
        -3.83300781e-02,  5.44433594e-02, -1.99218750e-01, -2.65625000e-01,
        -2.61718750e-01, -7.37304688e-02,  2.13867188e-01,  1.98242188e-01,
         1.56250000e-01, -2.10571289e-03, -2.42187500e-01,  1.03027344e-01,
        -2.89062500e-01, -2.69531250e-01,  1.28936768e-03,  1.26953125e-01,
        -1.19628906e-01, -2.30468750e-01, -1.82617188e-01, -3.88183594e-02,
        -2.34375000e-02, -1.20117188e-01, -3.80859375e-02,  5.95703125e-02,
         2.46582031e-02, -3.55468750e-01,  2.60009766e-02, -4.37500000e-01,
         8.34960938e-02, -2.71484375e-01, -3.75976562e-02,  9.52148438e-03,
        -6.83593750e-02, -9.61914062e-02,  5.83496094e-02, -1.06933594e-01,
        -8.44726562e-02, -2.51953125e-01,  1.84326172e-02, -7.56835938e-02,
         9.86328125e-02, -3.53515625e-01, -2.27050781e-02, -4.80957031e-02,
        -9.61914062e-02, -9.86328125e-02,  2.51953125e-01, -2.22656250e-01,
         2.10937500e-01,  1.22558594e-01, -2.17773438e-01, -2.53906250e-01,
        -4.49218750e-02,  2.53906250e-01, -9.66796875e-02, -1.74804688e-01,
        -3.46679688e-02, -1.14746094e-01, -3.73840332e-03, -6.54296875e-02,
        -2.09960938e-01, -8.44726562e-02, -1.51977539e-02, -4.98046875e-02,
         8.54492188e-02,  1.11328125e-01,  5.63964844e-02, -2.77099609e-02,
        -2.38281250e-01,  1.76757812e-01,  1.20117188e-01, -5.78613281e-02,
         2.39257812e-01, -2.33398438e-01,  1.97265625e-01, -1.70898438e-01,
         6.78710938e-02,  1.34765625e-01, -3.55468750e-01,  2.87109375e-01,
        -3.02734375e-02, -2.22656250e-01,  1.51367188e-01,  5.00488281e-02,
         4.98046875e-02,  1.08886719e-01, -1.14746094e-01,  4.37011719e-02,
        -2.49023438e-01, -2.51953125e-01, -5.73730469e-02,  2.14843750e-01,
        -1.45263672e-02, -3.90625000e-02, -1.29882812e-01, -1.80664062e-01,
         2.19726562e-02,  1.44531250e-01, -2.56347656e-02, -2.34375000e-01,
        -4.19921875e-01,  3.17382812e-02, -6.15234375e-02,  3.63281250e-01,
        -2.29492188e-01,  5.39062500e-01, -2.74658203e-03,  9.22851562e-02,
        -1.69677734e-02, -1.30859375e-01,  2.81250000e-01, -2.57812500e-01,
        -1.26953125e-01, -8.10546875e-02,  1.96289062e-01,  2.08740234e-02,
        -3.16406250e-01,  2.94921875e-01,  1.70898438e-01,  2.61718750e-01,
         4.47265625e-01, -1.74804688e-01, -1.78710938e-01, -7.91015625e-02,
         1.85546875e-01, -6.98242188e-02,  1.33789062e-01,  1.66992188e-01,
         6.17675781e-02,  1.10351562e-01,  6.88476562e-02,  1.34765625e-0
1],
       dtype=float32),
 'intervention': array([-1.15234375e-01, -2.75878906e-02, -2.24609375e-01,
2.77343750e-01,
        -1.34765625e-01,  2.01171875e-01, -4.39453125e-02, -3.18359375e-01,
         2.94921875e-01, -3.18359375e-01,  4.46777344e-02, -1.47460938e-01,
         1.08032227e-02,  2.55859375e-01, -9.32617188e-02,  2.51953125e-01,
        -3.34472656e-02, -3.24707031e-02, -1.96838379e-03, -8.30078125e-02,
         3.10546875e-01,  1.69921875e-01,  1.36718750e-01, -6.25000000e-02,
        -1.90429688e-01,  3.41796875e-02, -1.42578125e-01,  6.98242188e-02,
        -1.69677734e-02,  7.20214844e-03,  3.07617188e-02, -3.37890625e-01,
        -2.08007812e-01, -1.23046875e-01, -2.38281250e-01,  1.22558594e-01,
        -4.71191406e-02, -9.91210938e-02, -4.68750000e-02, -6.10351562e-02,
         1.26953125e-01,  2.33154297e-02,  1.02539062e-02, -2.03857422e-02,
        -8.10546875e-02, -1.44531250e-01, -3.12500000e-01,  2.00195312e-01,
        -1.61132812e-01, -1.38671875e-01, -8.05664062e-02, -1.23046875e-01,
```

```
       -1.01074219e-01,  2.75878906e-02,  1.17675781e-01, -7.42187500e-02,
       -6.34765625e-02,  3.25012207e-03, -2.87109375e-01, -2.44140625e-01,
       -2.34375000e-01, -9.70458984e-03,  6.29882812e-02, -2.63671875e-01,
       -2.44140625e-01, -5.71289062e-02, -2.13867188e-01,  1.06933594e-01,
       -8.05664062e-02, -1.01074219e-01,  1.38671875e-01, -3.28125000e-01,
        1.91650391e-02,  1.96289062e-01,  7.42187500e-02, -7.17773438e-02,
        5.07812500e-02,  1.56250000e-01,  1.36718750e-01,  1.85546875e-01,
        5.63964844e-02,  2.83203125e-01,  6.20117188e-02,  2.55859375e-01,
        1.83593750e-01,  5.24902344e-02, -2.36816406e-02,  1.09375000e-01,
       -1.43554688e-01, -2.44140625e-01,  1.16210938e-01, -2.12890625e-01,
        1.30859375e-01,  1.21582031e-01,  2.63214111e-04, -2.48046875e-01,
        6.73828125e-02,  4.73632812e-02,  2.80761719e-02, -2.86865234e-02,
       -2.24304199e-03,  1.30859375e-01,  1.44531250e-01, -1.43554688e-01,
        7.91015625e-02,  5.15136719e-02, -6.54296875e-02, -2.67578125e-01,
        1.81640625e-01, -5.02929688e-02,  3.12500000e-02,  4.02832031e-02,
       -8.83789062e-02,  1.64062500e-01, -1.52343750e-01, -1.47460938e-01,
       -8.78906250e-02,  1.04980469e-01,  2.00195312e-01,  7.47070312e-02,
       -5.39550781e-02,  4.04296875e-01, -2.07031250e-01,  2.31445312e-01,
       -2.59765625e-01,  3.61328125e-02, -4.22363281e-02, -1.07910156e-01,
        2.26562500e-01,  4.19921875e-02,  4.83398438e-02, -3.02734375e-01,
       -6.98242188e-02, -3.00781250e-01, -4.15039062e-02, -2.75878906e-02,
        1.12792969e-01, -2.19726562e-01, -1.56250000e-01,  1.25000000e-01,
        1.26953125e-01, -2.27539062e-01, -1.04492188e-01, -5.90820312e-02,
        3.51562500e-02, -4.32128906e-02, -1.55273438e-01,  1.46484375e-01,
        8.64257812e-02,  7.51953125e-02,  1.63085938e-01, -2.08007812e-01,
        4.37011719e-02,  1.25976562e-01,  2.12890625e-01, -3.14453125e-01,
       -1.45507812e-01, -6.34765625e-02,  7.17773438e-02, -8.00781250e-02,
       -7.47070312e-02,  2.51953125e-01, -8.54492188e-02, -1.38671875e-01,
       -2.83203125e-01, -3.85742188e-02,  1.23046875e-01, -1.48437500e-01,
        2.30468750e-01,  1.04003906e-01,  4.39453125e-02,  7.32421875e-02,
       -8.88671875e-02, -1.73828125e-01,  1.41601562e-01, -2.55859375e-01,
        9.13085938e-02,  6.12792969e-02,  2.53906250e-01, -3.73535156e-02,
       -2.75390625e-01, -2.12890625e-01,  7.66601562e-02, -9.91821289e-04,
        8.88671875e-02,  1.10351562e-01,  4.71191406e-02, -8.30078125e-02,
       -1.22558594e-01, -4.58984375e-02, -1.05468750e-01, -6.12792969e-02,
        1.84570312e-01,  1.02050781e-01,  5.49316406e-02, -3.51562500e-01,
        5.70678711e-03, -7.17773438e-02,  2.28515625e-01, -1.71875000e-01,
        3.34167480e-03,  4.15039062e-02,  3.36914062e-02, -2.03125000e-01,
        2.88085938e-02, -4.78515625e-02, -4.37011719e-02, -2.51953125e-01,
        3.54003906e-02, -2.43164062e-01, -1.80664062e-01, -1.66992188e-01,
       -7.81250000e-02, -6.73828125e-02, -2.91015625e-01, -2.69531250e-01,
        2.96875000e-01, -2.20703125e-01, -3.04687500e-01,  1.22558594e-01,
       -1.13281250e-01,  1.16699219e-01,  1.28906250e-01,  1.40625000e-01,
        3.93066406e-02,  2.11181641e-02,  2.18750000e-01,  6.15234375e-02,
        2.61230469e-02,  1.95312500e-01,  9.47265625e-02, -3.26171875e-01,
       -3.58886719e-02, -2.53906250e-01,  1.76757812e-01, -4.71191406e-02,
       -4.68750000e-02,  1.53320312e-01,  2.53906250e-01, -1.40625000e-01,
        9.76562500e-02, -8.25195312e-02, -7.37304688e-02,  1.84326172e-02,
       -1.19140625e-01, -4.39453125e-03, -1.28906250e-01,  5.78613281e-02,
        2.39257812e-01,  1.23046875e-01,  1.01074219e-01, -1.76757812e-01,
       -2.86865234e-02,  9.66796875e-02,  9.81445312e-02,  1.02539062e-01,
        2.53906250e-01, -2.37304688e-01,  9.82666016e-03,  1.02050781e-01,
        7.99560547e-03,  1.19628906e-01,  1.06811523e-02,  9.86328125e-02,
       -3.32031250e-02,  2.72216797e-02,  1.21582031e-01, -3.39355469e-02,
       -3.86718750e-01,  3.26171875e-01, -2.83203125e-01,  1.42578125e-01,
       -8.10546875e-02,  6.73828125e-02,  8.98437500e-02,  7.37304688e-02,
        1.46484375e-01,  1.93359375e-01,  1.06933594e-01,  1.86523438e-01,
       -1.26953125e-01,  1.82617188e-01,  2.98828125e-01,  7.47070312e-02,
       -5.05371094e-02, -1.27929688e-01,  1.90429688e-02,  8.64257812e-02,
       -2.47802734e-02, -2.19726562e-01, -3.35937500e-01, -1.84326172e-02,
        3.92578125e-01, -1.45263672e-02,  1.84570312e-01,  2.22656250e-01,
       -1.36718750e-01,  8.30078125e-02, -1.38671875e-01,  3.10546875e-0
1],
      dtype=float32),
```

```
 'technician': array([-5.07812500e-02, -7.61718750e-02, -2.05078125e-01, -
1.68945312e-01,
        -1.99218750e-01,  3.39843750e-01, -1.80664062e-02, -1.37695312e-01,
        -1.57226562e-01, -2.59765625e-01, -9.66796875e-02, -1.90429688e-01,
        -8.78906250e-02, -4.86328125e-01, -1.36718750e-02,  2.83203125e-01,
         2.80761719e-02, -1.47460938e-01,  1.47460938e-01, -3.16406250e-01,
        -3.68652344e-02,  1.66015625e-01, -2.87109375e-01,  1.85546875e-02,
         1.33789062e-01, -1.06933594e-01, -3.82812500e-01,  2.88085938e-02,
        -1.37695312e-01, -1.06445312e-01, -6.68945312e-02, -1.63085938e-01,
        -2.71484375e-01, -1.31835938e-02,  9.52148438e-02, -2.37304688e-01,
         5.88378906e-02,  2.79296875e-01, -3.03955078e-02, -2.03125000e-01,
        -9.42382812e-02, -3.08593750e-01,  9.27734375e-02, -2.83203125e-01,
         9.13085938e-02, -5.44433594e-02, -2.16796875e-01,  4.45312500e-01,
        -4.05273438e-02,  9.27734375e-02, -3.78906250e-01, -1.66015625e-01,
         1.76757812e-01, -1.34765625e-01,  1.16699219e-01, -4.95605469e-02,
         1.98242188e-01, -1.12304688e-01, -2.57812500e-01,  8.83789062e-02,
         3.61328125e-02,  1.09375000e-01, -1.95312500e-01, -6.93359375e-02,
         2.14843750e-01,  1.38549805e-02,  2.96630859e-02,  7.51953125e-02,
         5.27954102e-03, -2.29492188e-01, -1.50390625e-01,  1.23535156e-01,
        -4.19921875e-02,  5.39550781e-02, -2.19726562e-01,  2.51953125e-01,
         1.56250000e-01, -1.30859375e-01, -6.25610352e-03, -9.17968750e-02,
         3.20312500e-01,  5.00000000e-01,  1.08398438e-01, -4.66918945e-03,
         7.22656250e-02, -1.01074219e-01, -2.81250000e-01,  3.88671875e-01,
        -1.55273438e-01,  1.93359375e-01,  1.26953125e-01,  1.14746094e-01,
        -3.18359375e-01,  1.84570312e-01,  4.80957031e-02,  1.01562500e-01,
         1.12304688e-01, -6.98242188e-02, -2.67333984e-02, -1.34277344e-02,
         2.55859375e-01, -2.55859375e-01, -5.12695312e-03, -1.56250000e-01,
        -7.76367188e-02, -1.87500000e-01, -4.66308594e-02, -1.16699219e-01,
         1.41601562e-01, -2.35351562e-01, -2.61230469e-02,  9.66796875e-02,
         1.34887695e-02, -1.38671875e-01, -5.88378906e-02,  7.95898438e-02,
        -4.27734375e-01,  1.66992188e-01,  3.41796875e-01,  3.02734375e-02,
         9.47265625e-02, -4.22363281e-02, -4.23828125e-01, -1.65039062e-01,
         3.32031250e-02,  1.48437500e-01,  3.49121094e-02, -3.76953125e-01,
         3.59375000e-01,  4.78515625e-01, -1.72851562e-01, -3.32031250e-02,
        -7.61718750e-02,  8.05664062e-02,  9.08203125e-02, -1.68945312e-01,
        -2.49023438e-02,  5.39550781e-02, -4.98046875e-01,  1.92382812e-01,
         1.53320312e-01,  1.35742188e-01,  6.10351562e-02,  3.55468750e-01,
        -2.51953125e-01,  3.00781250e-01, -2.39257812e-01,  4.66308594e-02,
        -2.30468750e-01,  9.61914062e-02,  2.05078125e-01,  2.23632812e-01,
        -1.53320312e-01,  1.25000000e-01, -2.37304688e-01,  6.98242188e-02,
        -8.88671875e-02,  3.18359375e-01, -8.05664062e-02, -1.80664062e-01,
        -6.59179688e-02,  2.34375000e-01, -2.09960938e-01,  1.31835938e-01,
         7.22656250e-02, -1.10473633e-02,  9.03320312e-02, -2.47070312e-01,
         3.28125000e-01, -1.09375000e-01,  3.63281250e-01,  6.64062500e-02,
        -4.49218750e-02, -1.84326172e-02,  3.32031250e-02,  2.60009766e-02,
         1.47460938e-01, -5.93261719e-02, -1.88476562e-01, -7.47070312e-02,
        -3.02734375e-01, -2.55859375e-01,  2.05078125e-01, -1.55273438e-01,
        -7.71484375e-02,  4.27246094e-02,  8.44726562e-02, -1.31835938e-01,
        -1.86523438e-01,  3.49609375e-01, -1.81640625e-01,  2.47802734e-02,
         1.60156250e-01,  3.12500000e-01,  6.98242188e-02,  9.76562500e-02,
         1.00585938e-01, -9.13085938e-02, -7.08007812e-03, -3.87191772e-04,
        -2.05078125e-01,  2.87109375e-01, -1.98242188e-01,  9.08203125e-02,
        -2.16674805e-03, -1.13769531e-01, -1.83868408e-03, -8.49609375e-02,
         2.90527344e-02, -3.75000000e-01,  1.20605469e-01, -1.54296875e-01,
        -4.21875000e-01, -3.02734375e-02,  2.94921875e-01,  1.37695312e-01,
        -1.31835938e-01, -1.24023438e-01, -1.36718750e-01, -7.51953125e-02,
         1.29882812e-01, -1.92382812e-01, -4.15039062e-02, -3.54003906e-02,
         2.02636719e-02, -1.53320312e-01, -9.66796875e-02, -3.19824219e-02,
        -2.92968750e-01, -3.32031250e-01,  7.32421875e-03, -2.63671875e-01,
        -2.67578125e-01, -3.30078125e-01, -2.34375000e-01,  2.15820312e-01,
         1.82617188e-01, -5.46264648e-03, -1.98242188e-01, -4.98046875e-02,
         2.61718750e-01, -6.34765625e-02, -4.06250000e-01, -6.64062500e-02,
        -8.59375000e-02, -1.01562500e-01, -4.39453125e-01, -2.96875000e-01,
         1.10839844e-01, -2.67578125e-01, -2.18750000e-01, -1.11816406e-01,
```

```
        -2.04101562e-01, -2.63671875e-01,  1.50390625e-01,  1.04003906e-01,
        -9.52148438e-03,  4.07714844e-02, -1.95312500e-01,  9.76562500e-02,
         1.92871094e-02, -3.06640625e-01, -6.50024414e-03, -2.81250000e-01,
         2.06054688e-01,  2.24609375e-01,  2.68554688e-02, -2.09960938e-02,
         2.17285156e-02,  2.35351562e-01, -4.10079956e-05, -3.67187500e-01,
         5.34667969e-02,  3.18359375e-01, -1.09863281e-01,  2.23388672e-02,
        -1.95312500e-03, -4.32128906e-02, -2.00195312e-02, -1.73828125e-01,
         8.83789062e-02,  1.78222656e-02,  2.73437500e-01,  3.88671875e-01,
         2.66113281e-02,  5.27343750e-02,  3.39843750e-01, -2.79296875e-01,
         1.59179688e-01,  1.11328125e-01,  3.36914062e-02, -2.14843750e-02,
        -3.30078125e-01,  1.52343750e-01, -8.64257812e-02, -1.24023438e-01,
        -1.78710938e-01, -1.49414062e-01,  3.46679688e-02, -1.25000000e-0
1],
       dtype=float32),
 'directly': array([ 5.37109375e-03, -3.12500000e-01, -4.85839844e-02,  1.1
1816406e-01,
        -1.15722656e-01,  4.98046875e-02, -7.87353516e-03, -1.16699219e-01,
         3.47656250e-01,  2.64892578e-02, -1.77734375e-01, -1.26953125e-01,
         3.39355469e-02,  3.73535156e-02, -1.54296875e-01,  8.30078125e-02,
        -1.88476562e-01,  1.20605469e-01,  5.20019531e-02,  1.71875000e-01,
         8.98437500e-02,  4.56542969e-02, -2.89062500e-01,  5.24902344e-02,
         1.42578125e-01, -4.93164062e-02,  9.76562500e-02,  7.72094727e-03,
        -1.30859375e-01, -5.41687012e-04, -1.39648438e-01, -2.08740234e-02,
        -1.15722656e-01, -6.12792969e-02,  1.14257812e-01, -1.35742188e-01,
        -1.30615234e-02, -9.47265625e-02, -5.71289062e-02, -1.96289062e-01,
        -3.56445312e-02, -4.44335938e-02,  6.88476562e-02, -1.08398438e-01,
         7.81250000e-02, -1.28906250e-01,  3.88183594e-02,  1.52587891e-02,
        -6.78710938e-02, -1.59179688e-01,  7.95898438e-02,  9.71555710e-06,
         1.16699219e-01, -1.81640625e-01,  1.14257812e-01,  1.59179688e-01,
        -4.93164062e-02,  5.83496094e-02,  2.78320312e-02, -7.86132812e-02,
         5.93261719e-02, -3.93676758e-03, -1.48315430e-02,  6.25000000e-02,
        -1.13769531e-01, -2.07031250e-01, -1.50390625e-01,  1.13281250e-01,
        -3.99780273e-03,  2.46093750e-01,  5.39550781e-02, -7.37304688e-02,
         2.02148438e-01, -1.93359375e-01,  5.46875000e-02, -2.37304688e-01,
         2.43164062e-01,  2.63671875e-01,  4.54101562e-02,  3.21960449e-03,
         9.81445312e-02,  2.30712891e-02,  1.21093750e-01,  1.63574219e-02,
         9.09423828e-03, -7.66601562e-02, -2.46093750e-01,  7.91015625e-02,
        -2.02941895e-03, -6.12792969e-02,  3.56445312e-02,  1.18652344e-01,
        -2.57812500e-01, -2.55859375e-01,  3.02734375e-02,  3.06396484e-02,
         1.26953125e-01,  1.21093750e-01, -9.72747803e-04,  2.35351562e-01,
         5.51757812e-02, -3.37890625e-01,  1.85546875e-02, -5.64575195e-03,
        -1.52343750e-01,  1.76757812e-01, -4.07714844e-02,  3.29589844e-02,
         4.06250000e-01, -2.39257812e-01, -5.34667969e-02, -1.17187500e-01,
         4.61425781e-02, -1.18408203e-02,  1.14257812e-01,  7.42187500e-02,
         4.39453125e-02, -1.93359375e-01,  1.55029297e-02,  2.17773438e-01,
        -3.10546875e-01, -4.90722656e-02, -2.63671875e-02,  1.39648438e-01,
        -8.00781250e-02, -1.38671875e-01, -9.08203125e-02,  8.34960938e-02,
         8.05664062e-02, -2.23388672e-02, -7.27539062e-02, -1.22558594e-01,
        -1.10351562e-01,  6.54296875e-02,  2.29492188e-01, -1.53320312e-01,
        -2.35595703e-02, -1.67968750e-01,  9.86328125e-02, -2.73437500e-02,
         2.38281250e-01, -1.50756836e-02, -7.76367188e-02, -1.30859375e-01,
         1.39648438e-01, -2.02636719e-02,  7.91015625e-02, -1.96289062e-01,
        -2.08740234e-02,  9.32617188e-02,  1.48437500e-01,  1.74804688e-01,
        -4.61425781e-02,  8.98437500e-02, -7.32421875e-02,  2.96630859e-02,
        -2.14843750e-01,  2.23632812e-01,  1.25000000e-01,  2.74658203e-02,
        -1.10351562e-01,  7.27539062e-02, -8.34960938e-02,  1.07910156e-01,
        -8.00781250e-02,  1.36718750e-01,  1.10839844e-01,  5.61523438e-02,
         1.21093750e-01, -3.51562500e-02, -5.66406250e-02,  2.84423828e-02,
         1.94335938e-01, -4.06250000e-01, -1.05468750e-01,  7.87353516e-03,
         1.32812500e-01, -2.11914062e-01, -3.80859375e-01,  3.19824219e-02,
        -1.56250000e-01, -5.46875000e-02, -1.31835938e-01, -1.10351562e-01,
        -6.54296875e-02,  1.65039062e-01,  1.29882812e-01,  3.26171875e-01,
        -1.20117188e-01,  1.31835938e-01,  1.26342773e-02,  4.02832031e-02,
         2.55126953e-02, -1.90429688e-01,  1.27929688e-01, -9.61914062e-02,
```

```
         8.34960938e-02, -7.95898438e-02,  1.13281250e-01, -6.86645508e-03,
         1.88476562e-01,  9.47265625e-02,  7.12890625e-02,  2.05078125e-02,
         3.68652344e-02, -8.23974609e-03,  1.20605469e-01, -8.88671875e-02,
         5.71289062e-02,  3.22265625e-02, -2.37304688e-01, -1.98242188e-01,
        -2.48046875e-01,  1.33789062e-01, -1.98974609e-02, -1.19628906e-01,
         1.03027344e-01, -2.61230469e-02, -6.95800781e-03, -1.47460938e-01,
        -1.46484375e-01, -6.93359375e-02, -6.39648438e-02,  6.78710938e-02,
        -9.66796875e-02, -3.82995605e-03,  3.44238281e-02,  1.67968750e-01,
         1.99218750e-01,  9.39941406e-03,  1.51367188e-01,  1.11328125e-01,
        -3.71093750e-02,  2.74658203e-02,  9.61914062e-02, -1.28906250e-01,
         2.96630859e-02,  2.19726562e-01,  4.51660156e-02,  4.98046875e-02,
        -2.50000000e-01,  1.35742188e-01, -5.49316406e-02, -3.78417969e-02,
         4.73632812e-02, -9.32617188e-02,  1.08886719e-01,  2.40234375e-01,
         1.64794922e-02, -1.63574219e-02,  1.52343750e-01, -9.52148438e-02,
         4.49218750e-02, -1.83593750e-01,  7.86132812e-02, -2.03125000e-01,
         1.23046875e-01,  4.83398438e-02, -1.94091797e-02,  3.70788574e-03,
        -8.78906250e-03, -1.59179688e-01, -2.23632812e-01,  7.08007812e-02,
         1.53198242e-02,  9.17968750e-02,  8.74023438e-02,  3.58886719e-02,
         1.63085938e-01, -2.06054688e-01, -6.04248047e-03,  4.51660156e-02,
        -4.61425781e-02, -2.07031250e-01, -1.25000000e-01, -1.44531250e-01,
        -3.51562500e-02,  8.78906250e-03,  1.01318359e-02, -7.12890625e-02,
        -1.78710938e-01, -1.53198242e-02, -4.24804688e-02,  1.71875000e-01,
        -2.42919922e-02,  2.43164062e-01, -2.42187500e-01,  1.09863281e-01,
         2.96875000e-01, -9.91210938e-02, -1.90429688e-01,  1.08398438e-01,
         1.27929688e-01,  9.08203125e-02,  6.39648438e-02,  1.84570312e-01,
         9.91210938e-02, -2.01171875e-01, -1.28906250e-01, -1.15234375e-0
1],
       dtype=float32),
 'observe': array([-1.10351562e-01, -1.39160156e-02,  1.13769531e-01,  1.77
734375e-01,
        -1.44531250e-01,  7.27539062e-02,  1.21093750e-01, -1.12792969e-01,
         9.52148438e-02, -9.91210938e-02, -1.07910156e-01,  8.54492188e-03,
        -7.51953125e-02,  2.69531250e-01, -1.07910156e-01,  1.57226562e-01,
        -9.37500000e-02,  1.15234375e-01, -2.58789062e-02, -1.92382812e-01,
         7.66601562e-02, -1.13281250e-01, -1.02050781e-01,  5.07812500e-02,
         1.91406250e-01, -1.68945312e-01,  7.27539062e-02,  4.46777344e-02,
         5.12695312e-02,  1.86767578e-02, -1.59179688e-01, -7.76367188e-02,
        -1.93359375e-01, -6.78710938e-02, -1.10351562e-01, -1.60156250e-01,
        -1.20117188e-01, -1.74804688e-01,  1.62109375e-01,  8.20312500e-02,
         1.16699219e-01, -9.03320312e-03,  1.95312500e-01, -3.44238281e-02,
         1.00097656e-02,  6.17675781e-02, -2.67578125e-01, -4.15039062e-02,
        -8.59375000e-02, -7.22656250e-02, -5.07812500e-02, -1.49414062e-01,
         5.81054688e-02,  4.60815430e-03, -3.41796875e-02,  6.12792969e-02,
        -1.11816406e-01, -1.20605469e-01,  8.69140625e-02, -2.42187500e-01,
        -9.17968750e-02, -2.98828125e-01,  8.15429688e-02, -2.24609375e-01,
         1.53320312e-01,  6.25610352e-03, -9.47265625e-02,  3.24218750e-01,
         1.00097656e-01,  4.22363281e-02,  7.20214844e-03, -3.58886719e-02,
         2.27539062e-01, -3.07617188e-02,  1.92382812e-01, -4.06250000e-01,
        -1.15234375e-01, -2.19726562e-01, -6.05468750e-02,  3.71093750e-01,
        -4.66918945e-03,  1.01074219e-01,  2.11914062e-01, -1.25000000e-01,
        -2.25585938e-01,  3.71093750e-02, -8.30078125e-02, -2.07031250e-01,
        -1.02539062e-01,  2.63671875e-01,  1.49414062e-01, -2.05078125e-01,
         7.86132812e-02, -1.02539062e-01,  2.28271484e-02,  4.76074219e-02,
         2.24609375e-01,  5.56640625e-02,  3.32641602e-03, -2.80761719e-02,
         3.45703125e-01, -2.38281250e-01,  1.61132812e-01,  5.46875000e-02,
         3.02734375e-01, -1.21093750e-01,  1.15234375e-01, -8.34960938e-02,
        -1.98242188e-01, -1.83105469e-02, -7.56835938e-02, -5.85937500e-03,
        -2.59765625e-01, -8.88671875e-02,  1.54296875e-01, -5.76171875e-02,
         4.56542969e-02, -2.42187500e-01, -9.82666016e-03,  3.58886719e-02,
        -8.92639160e-04,  1.48437500e-01, -7.03125000e-02, -9.13085938e-02,
        -2.03857422e-02,  2.30468750e-01, -4.76074219e-03, -1.89453125e-01,
        -6.34765625e-03,  3.78906250e-01,  8.20312500e-02, -1.71875000e-01,
         7.95898438e-02,  1.51367188e-02,  2.61718750e-01, -2.17285156e-02,
        -3.02734375e-02,  1.34765625e-01,  1.61132812e-01, -8.30078125e-02,
```

```
         8.93554688e-02,  2.23632812e-01, -3.08593750e-01,  5.88989258e-03,
        -8.05664062e-02,  2.65625000e-01,  1.25000000e-01, -3.06396484e-02,
        -6.98242188e-02,  4.17480469e-02,  3.19824219e-02,  1.08886719e-01,
        -1.98242188e-01, -4.73632812e-02,  8.49609375e-02, -5.41992188e-02,
        -1.89208984e-02, -2.00195312e-02,  1.55029297e-02,  3.63769531e-02,
         7.95898438e-02,  5.93261719e-02, -1.21093750e-01, -2.28515625e-01,
         2.57812500e-01, -4.71191406e-02,  1.55273438e-01, -1.84570312e-01,
         6.83593750e-02,  2.71484375e-01, -1.87500000e-01, -5.54199219e-02,
         4.48608398e-03,  2.94921875e-01,  2.63671875e-01,  9.81445312e-02,
         2.00195312e-02, -1.57165527e-03,  1.30859375e-01, -1.26953125e-01,
        -9.42382812e-02,  2.00195312e-01,  2.71484375e-01, -3.39355469e-02,
         3.32031250e-02, -3.63769531e-02,  1.24023438e-01, -1.86523438e-01,
        -8.59375000e-02,  2.08007812e-01, -3.22265625e-01,  4.27246094e-02,
         1.13281250e-01, -1.43432617e-02, -2.30712891e-02, -2.05078125e-02,
         5.39550781e-02, -1.41601562e-02, -1.60156250e-01,  5.81054688e-02,
         1.71875000e-01,  2.90527344e-02, -3.90625000e-01, -1.24023438e-01,
        -1.70898438e-01, -1.68945312e-01, -2.95410156e-02,  1.60156250e-01,
         5.17578125e-02, -8.54492188e-02,  4.34570312e-02,  3.45703125e-01,
         7.03125000e-02, -8.20312500e-02, -1.48437500e-01,  9.81445312e-02,
         1.85546875e-01, -5.49316406e-02, -1.92382812e-01, -2.42187500e-01,
         2.69531250e-01, -1.35742188e-01, -1.69921875e-01,  6.83593750e-02,
         7.76367188e-02,  4.17480469e-02,  2.96875000e-01,  2.91015625e-01,
         4.14062500e-01, -1.81884766e-02,  3.08593750e-01, -1.89453125e-01,
        -2.03857422e-02, -7.81250000e-02,  4.14062500e-01, -1.01074219e-01,
         3.84521484e-03, -3.61328125e-02,  6.03027344e-02,  7.47070312e-02,
        -2.08007812e-01, -1.03759766e-02,  1.85546875e-02, -2.34375000e-02,
        -2.38281250e-01, -2.36328125e-01, -1.47460938e-01,  1.08886719e-01,
        -5.24902344e-02, -2.85156250e-01, -3.54003906e-02, -4.32128906e-02,
         2.18505859e-02, -1.32812500e-01, -9.52148438e-02, -3.20312500e-01,
         1.38671875e-01,  4.83398438e-02,  1.16577148e-02, -1.63574219e-02,
        -1.77734375e-01, -1.82617188e-01, -8.20312500e-02, -1.74804688e-01,
         3.22265625e-01,  9.17968750e-02,  1.08398438e-01,  1.79687500e-01,
        -8.64257812e-02,  4.19921875e-02,  1.66015625e-01,  2.14843750e-01,
         8.05664062e-02,  1.65039062e-01,  2.65625000e-01, -4.16015625e-01,
        -1.41601562e-01,  4.15039062e-02, -1.62109375e-01, -1.18164062e-01,
         1.52343750e-01,  9.13085938e-02,  1.12304688e-01,  1.00708008e-02,
         1.60156250e-01, -3.19824219e-02, -2.20703125e-01,  1.84570312e-01,
        -6.93359375e-02,  1.89453125e-01, -1.90429688e-02,  6.10351562e-02,
         1.05957031e-01,  2.04101562e-01, -1.89453125e-01, -1.48437500e-01,
        -1.15722656e-01,  2.17285156e-02,  1.54296875e-01, -1.59263611e-0
4],
       dtype=float32),
 'revision': array([-0.11865234, -0.10302734, -0.02124023,  0.20410156, -0.
24609375,
        -0.13671875, -0.03271484, -0.19921875,  0.19824219,  0.23925781,
        -0.2109375 ,  0.12988281, -0.08935547, -0.07373047, -0.27734375,
         0.18945312,  0.25976562, -0.18164062, -0.19824219, -0.26953125,
         0.12304688,  0.06542969,  0.01507568, -0.05981445, -0.17382812,
         0.08935547,  0.13574219, -0.04394531, -0.15917969, -0.02148438,
        -0.12451172, -0.22753906,  0.05786133, -0.03686523, -0.04956055,
        -0.16796875,  0.20605469,  0.02539062,  0.28125   , -0.00579834,
        -0.07910156,  0.04541016,  0.22265625,  0.25195312,  0.1015625 ,
        -0.23730469, -0.0168457 , -0.03027344, -0.10058594, -0.09033203,
        -0.07714844, -0.01538086,  0.05444336, -0.06738281, -0.01782227,
         0.30078125, -0.01989746, -0.23339844, -0.01373291,  0.11572266,
        -0.17285156, -0.03662109, -0.10644531, -0.17089844,  0.40039062,
         0.13671875,  0.09423828,  0.20898438, -0.25390625, -0.09570312,
        -0.07324219, -0.12988281, -0.01031494,  0.04077148,  0.14550781,
         0.06494141,  0.34960938,  0.16308594,  0.10107422,  0.08740234,
         0.14648438, -0.18359375, -0.05151367,  0.34570312,  0.15820312,
         0.08544922, -0.18554688,  0.33398438,  0.31054688, -0.04663086,
         0.21289062, -0.17089844,  0.28320312,  0.08886719, -0.11962891,
        -0.16894531, -0.265625  , -0.05957031,  0.09082031, -0.05102539,
        -0.03735352, -0.05834961,  0.01953125, -0.20996094,  0.19042969,
```

```
         0.00921631, -0.05688477, -0.0402832 , -0.12597656, -0.17285156,
        -0.02429199,  0.04370117, -0.21191406,  0.21582031,  0.3125    ,
         0.04418945, -0.00610352, -0.09570312,  0.27148438,  0.13574219,
        -0.12011719,  0.2578125 , -0.22460938,  0.08837891,  0.04125977,
         0.13964844, -0.20117188, -0.12060547, -0.29101562,  0.10546875,
         0.01831055, -0.05029297, -0.0546875 , -0.07470703, -0.03076172,
         0.09277344,  0.11328125, -0.01538086, -0.29296875,  0.01330566,
         0.31640625, -0.07617188, -0.31835938,  0.06542969,  0.10498047,
         0.02514648, -0.32226562,  0.15039062,  0.0222168 ,  0.06152344,
         0.24609375, -0.3515625 , -0.09375   ,  0.17675781,  0.18847656,
        -0.47265625, -0.17480469,  0.12207031,  0.28125   , -0.11669922,
         0.17578125, -0.08837891,  0.07080078,  0.0390625 , -0.02416992,
         0.15234375,  0.28125   ,  0.25390625,  0.00198364, -0.12304688,
         0.01660156, -0.09179688, -0.03881836,  0.10302734,  0.16992188,
        -0.14355469,  0.04394531, -0.16992188,  0.16503906,  0.02758789,
        -0.34765625,  0.02331543,  0.17578125, -0.0534668 ,  0.25      ,
         0.203125  ,  0.12255859,  0.19335938,  0.08789062,  0.08349609,
        -0.06640625, -0.06542969, -0.03442383, -0.10546875,  0.17578125,
        -0.06542969,  0.11181641,  0.02185059,  0.09912109, -0.01000977,
         0.03491211, -0.10644531,  0.14355469,  0.03833008, -0.03540039,
         0.11083984, -0.07714844, -0.24707031,  0.23339844,  0.15039062,
         0.21386719,  0.10595703,  0.02246094,  0.12060547, -0.32226562,
         0.0324707 ,  0.11474609,  0.1015625 , -0.0027771 ,  0.08935547,
        -0.15332031, -0.04223633, -0.0859375 , -0.06738281,  0.15917969,
        -0.25585938, -0.125     ,  0.04614258,  0.0291748 ,  0.171875  ,
         0.03149414,  0.08203125,  0.0625    , -0.10693359,  0.00747681,
         0.14160156,  0.24121094, -0.22265625,  0.04077148, -0.10742188,
         0.03564453, -0.19433594, -0.03088379, -0.18164062,  0.05957031,
        -0.14453125, -0.11425781,  0.10205078, -0.17871094,  0.265625  ,
        -0.10107422,  0.10253906, -0.31835938, -0.328125  , -0.08789062,
         0.12011719, -0.17773438, -0.00415039,  0.13085938,  0.2421875 ,
         0.08789062,  0.00241089,  0.01879883, -0.00198364, -0.11669922,
        -0.02612305,  0.1328125 , -0.14160156, -0.09179688, -0.16210938,
         0.18554688, -0.03198242,  0.15625   , -0.01611328,  0.21191406,
         0.00976562, -0.06787109, -0.14648438, -0.01879883,  0.20214844,
         0.03930664,  0.05151367, -0.06152344,  0.25976562,  0.21289062,
        -0.07861328, -0.03222656, -0.03173828, -0.15527344,  0.08203125,
        -0.140625  , -0.22851562,  0.234375  , -0.06445312,  0.00634766,
         0.0559082 , -0.20019531,  0.04370117,  0.07177734,  0.06225586],
       dtype=float32),
 'consistency': array([-0.01672363,  0.01409912, -0.01239014, -0.05297852,
0.10644531,
        -0.00686646,  0.1171875 , -0.24121094,  0.0144043 ,  0.40429688,
         0.02282715, -0.1328125 ,  0.18554688,  0.20800781, -0.19433594,
        -0.00120544,  0.25      ,  0.03198242, -0.24121094, -0.33007812,
        -0.21582031,  0.11083984, -0.09570312,  0.3125    ,  0.02905273,
        -0.06494141, -0.21289062, -0.06884766,  0.1953125 ,  0.21679688,
        -0.18945312,  0.07666016,  0.25585938, -0.06787109,  0.09130859,
         0.13671875, -0.02490234,  0.01275635,  0.26367188,  0.01965332,
         0.29882812, -0.25976562, -0.26757812,  0.1015625 , -0.12597656,
        -0.24804688, -0.07714844,  0.17285156,  0.10107422, -0.02380371,
        -0.14746094,  0.28125   , -0.11230469, -0.04980469, -0.16210938,
         0.01965332,  0.11181641, -0.30859375, -0.16699219, -0.35351562,
         0.11865234,  0.19921875, -0.03295898, -0.19921875,  0.13574219,
         0.16113281, -0.07373047, -0.06787109,  0.26171875,  0.15234375,
        -0.02880859, -0.20410156,  0.08984375, -0.28125   , -0.30664062,
        -0.00306702,  0.01916504, -0.01733398,  0.12890625,  0.1640625 ,
        -0.19726562, -0.05688477, -0.11572266, -0.15722656,  0.18164062,
         0.01251221,  0.1953125 ,  0.3515625 ,  0.09277344,  0.26171875,
         0.05932617, -0.06933594,  0.02819824, -0.19042969,  0.17675781,
        -0.23828125, -0.1484375 ,  0.02856445, -0.07617188, -0.06445312,
         0.01025391,  0.2265625 ,  0.0067749 ,  0.09863281,  0.07617188,
        -0.25976562,  0.00213623,  0.25390625, -0.20214844,  0.07324219,
         0.05810547,  0.01208496, -0.28125   ,  0.12011719,  0.04101562,
```

```
        -0.30078125, -0.09228516, -0.20214844,  0.04418945, -0.08447266,
        -0.36132812, -0.0201416 ,  0.1953125 ,  0.16992188, -0.1484375 ,
        -0.27539062,  0.00653076,  0.09521484, -0.09472656, -0.08886719,
        -0.12988281, -0.09423828, -0.14355469,  0.0703125 , -0.06298828,
        -0.27148438,  0.35351562, -0.0859375 ,  0.12109375,  0.35742188,
         0.02197266, -0.12890625,  0.04907227,  0.06396484, -0.00537109,
         0.1875    , -0.00585938, -0.02319336,  0.19335938,  0.140625  ,
        -0.0546875 ,  0.27734375, -0.33203125,  0.3828125 , -0.11035156,
        -0.01422119,  0.12353516, -0.16601562, -0.01135254,  0.00765991,
        -0.07226562,  0.03295898, -0.00222778, -0.00588989, -0.02734375,
        -0.23046875, -0.22070312, -0.28320312,  0.13085938,  0.0267334 ,
        -0.05664062,  0.02416992,  0.02062988,  0.03710938,  0.01171875,
         0.12011719,  0.20507812, -0.37695312,  0.00072098, -0.24316406,
        -0.29101562,  0.07958984,  0.36132812, -0.012146  ,  0.04296875,
        -0.16015625, -0.109375  , -0.25585938, -0.16113281, -0.05200195,
         0.125     , -0.171875  , -0.00805664, -0.29882812, -0.07714844,
         0.01348877,  0.21972656, -0.11767578, -0.13378906, -0.07470703,
         0.02941895,  0.08691406, -0.11132812,  0.04492188,  0.03442383,
        -0.17480469, -0.29492188, -0.10107422,  0.38867188,  0.05004883,
         0.10253906, -0.02709961,  0.02087402,  0.10058594, -0.10693359,
        -0.48632812,  0.1875    ,  0.04711914, -0.1171875 ,  0.11621094,
        -0.21289062,  0.0144043 , -0.09863281,  0.09570312, -0.15332031,
        -0.19726562,  0.13378906,  0.03173828, -0.02124023,  0.10986328,
        -0.35546875,  0.1328125 ,  0.19726562,  0.20800781, -0.35742188,
        -0.04492188, -0.1171875 , -0.15820312,  0.02819824,  0.37109375,
        -0.05981445, -0.23828125,  0.14746094, -0.11962891,  0.21777344,
        -0.03808594, -0.06689453, -0.14746094, -0.15527344,  0.02404785,
        -0.13867188,  0.27148438,  0.15234375,  0.08544922,  0.0255127 ,
        -0.23339844, -0.08349609, -0.05810547,  0.00247192,  0.03039551,
         0.5234375 ,  0.0703125 , -0.23828125, -0.01495361,  0.17578125,
        -0.13964844,  0.37109375, -0.36523438, -0.14355469, -0.35351562,
        -0.06201172,  0.11181641, -0.00631714, -0.01177979, -0.18457031,
         0.4296875 , -0.21777344, -0.18652344, -0.01330566, -0.29296875,
        -0.04614258, -0.07470703,  0.41601562,  0.23046875, -0.296875  ,
        -0.18066406, -0.15917969,  0.05444336,  0.01031494, -0.06054688,
        -0.03100586,  0.05981445, -0.00479126, -0.14160156, -0.0859375 ,
         0.06738281,  0.2265625 , -0.03027344, -0.17773438, -0.02819824],
       dtype=float32),
 'across': array([-0.00964355, -0.13378906,  0.03076172,  0.28125   ,  0.00
056839,
        -0.16210938, -0.13964844, -0.14648438,  0.10302734,  0.31054688,
         0.12988281, -0.14648438,  0.07910156,  0.10693359,  0.10107422,
        -0.08154297, -0.27734375,  0.3515625 , -0.01226807, -0.11914062,
         0.08984375,  0.10546875, -0.1328125 , -0.05786133, -0.00653076,
         0.09521484, -0.27539062,  0.09912109,  0.1875    , -0.06640625,
        -0.11865234,  0.14160156,  0.02978516, -0.05761719, -0.02893066,
         0.04248047, -0.09863281, -0.1328125 , -0.07910156,  0.30664062,
        -0.04345703, -0.13671875, -0.12255859, -0.25390625, -0.15234375,
         0.15039062, -0.20019531,  0.07617188,  0.12109375, -0.10498047,
         0.14257812,  0.23925781, -0.08105469,  0.20898438, -0.14746094,
         0.11083984, -0.15136719, -0.00130463,  0.02661133, -0.03613281,
         0.06005859,  0.01019287, -0.10107422, -0.31640625,  0.10791016,
         0.06835938,  0.04174805,  0.20800781, -0.02941895,  0.02575684,
         0.08935547, -0.12451172,  0.38085938,  0.14160156,  0.03295898,
         0.03442383,  0.04736328, -0.1640625 , -0.15917969,  0.14746094,
        -0.0246582 ,  0.04614258,  0.08105469, -0.22070312,  0.06835938,
         0.04394531, -0.3828125 , -0.18359375, -0.02148438,  0.02954102,
        -0.04638672, -0.07666016, -0.07373047, -0.20410156, -0.19140625,
        -0.08740234,  0.13867188,  0.04736328, -0.07861328,  0.22363281,
         0.00402832, -0.20703125,  0.03735352,  0.16894531,  0.01843262,
        -0.04443359, -0.12011719,  0.01416016,  0.21582031, -0.18457031,
        -0.14355469,  0.0612793 , -0.02722168, -0.09228516,  0.1015625 ,
         0.06738281,  0.06689453,  0.12402344,  0.04370117, -0.0703125 ,
        -0.14453125, -0.17285156, -0.265625  ,  0.06347656,  0.15917969,
```

```
        -0.18945312, -0.234375  ,  0.0456543 , -0.09277344,  0.17578125,
         0.15429688,  0.09179688,  0.01507568, -0.16113281,  0.02832031,
         0.01403809,  0.11083984, -0.04077148,  0.08935547,  0.01660156,
        -0.07324219, -0.12890625,  0.06396484,  0.26953125, -0.0546875 ,
         0.14746094,  0.06347656, -0.16113281, -0.05541992,  0.16308594,
        -0.05029297, -0.00616455,  0.00296021,  0.02185059, -0.07080078,
        -0.03613281, -0.13671875,  0.05200195, -0.13183594, -0.05224609,
         0.02001953, -0.0534668 ,  0.09179688,  0.04321289, -0.09423828,
         0.04907227,  0.05737305, -0.30664062,  0.01879883, -0.0177002 ,
        -0.05615234,  0.08886719, -0.11767578, -0.19335938, -0.09960938,
         0.03881836, -0.05444336, -0.08154297, -0.15917969, -0.03051758,
        -0.22460938, -0.05859375, -0.20703125, -0.01855469, -0.06933594,
         0.12988281,  0.08886719,  0.16992188,  0.12695312,  0.21679688,
         0.16210938, -0.2578125 ,  0.08007812, -0.14355469, -0.21484375,
        -0.10009766,  0.04516602,  0.09912109,  0.03393555, -0.12402344,
         0.27148438, -0.0123291 ,  0.21875   , -0.15136719,  0.04589844,
         0.14453125,  0.07275391,  0.07275391, -0.03686523,  0.19921875,
         0.09033203, -0.07763672, -0.0559082 , -0.09814453,  0.12988281,
        -0.0050354 ,  0.08935547,  0.15332031, -0.10107422,  0.109375  ,
         0.13964844, -0.10449219, -0.00157928, -0.01757812, -0.14257812,
        -0.01300049,  0.06884766,  0.01202393,  0.20019531, -0.16992188,
         0.02905273, -0.00891113,  0.18554688, -0.06298828, -0.08691406,
        -0.02111816,  0.26171875,  0.03979492,  0.30273438,  0.35351562,
        -0.10546875, -0.09326172, -0.08203125,  0.07324219, -0.05517578,
        -0.02685547,  0.03930664,  0.03344727, -0.15429688,  0.12353516,
         0.00726318,  0.01721191,  0.13574219,  0.08105469,  0.13085938,
        -0.20800781, -0.10791016,  0.02819824,  0.03491211, -0.10791016,
        -0.10058594, -0.13476562, -0.03417969,  0.046875  ,  0.12988281,
        -0.15136719,  0.04296875,  0.08447266,  0.0255127 , -0.10400391,
         0.00442505,  0.00762939,  0.05322266, -0.06445312,  0.1328125 ,
        -0.29492188, -0.1953125 ,  0.0279541 ,  0.03735352, -0.03540039,
        -0.03417969,  0.08251953, -0.08837891,  0.14453125, -0.05419922,
         0.17578125, -0.27929688, -0.05029297,  0.11962891,  0.125     ,
        -0.13671875, -0.08740234,  0.06201172,  0.10253906, -0.00318909,
         0.10058594,  0.23828125,  0.06884766, -0.04443359, -0.12011719],
       dtype=float32),
 'collaborate': array([-0.18554688, -0.05493164,  0.08740234,  0.09863281,
-0.04418945,
         0.3671875 ,  0.03112793, -0.01391602,  0.18261719, -0.24804688,
        -0.18359375,  0.08935547, -0.13671875,  0.06933594, -0.484375  ,
        -0.03710938, -0.11523438,  0.24414062,  0.10791016,  0.09960938,
        -0.07324219,  0.19433594,  0.17285156,  0.09570312,  0.0177002 ,
        -0.05371094,  0.23242188, -0.18847656, -0.37890625, -0.140625  ,
         0.01104736,  0.03808594, -0.16601562, -0.23925781, -0.00933838,
        -0.00270081,  0.06933594, -0.171875  ,  0.18652344, -0.00236511,
        -0.1015625 ,  0.34570312, -0.24609375,  0.12695312,  0.03173828,
         0.05957031, -0.19726562, -0.17382812, -0.08398438,  0.25585938,
         0.04052734,  0.04907227, -0.0625    , -0.19726562,  0.03833008,
        -0.22558594,  0.14160156, -0.36914062,  0.37890625,  0.20996094,
         0.37890625, -0.28710938, -0.12158203,  0.11279297, -0.14941406,
         0.09179688, -0.04614258,  0.10839844,  0.1015625 ,  0.15039062,
        -0.30078125, -0.08837891,  0.14746094, -0.0098877 ,  0.0559082 ,
        -0.15820312, -0.22949219,  0.00127411,  0.15039062,  0.07861328,
        -0.16015625,  0.04882812,  0.0378418 , -0.08544922,  0.20996094,
        -0.22753906, -0.04272461, -0.26953125, -0.19238281,  0.4453125 ,
         0.08789062, -0.45507812, -0.01098633, -0.21386719,  0.05639648,
         0.01794434,  0.08740234,  0.1875    , -0.06176758, -0.31445312,
        -0.13867188, -0.28710938, -0.06689453,  0.08691406,  0.14746094,
        -0.01428223,  0.07861328, -0.07421875,  0.24316406,  0.09179688,
        -0.17578125, -0.24804688,  0.10302734, -0.10546875,  0.25      ,
         0.0546875 ,  0.12158203, -0.44335938,  0.19921875, -0.10839844,
         0.10009766, -0.19140625, -0.25390625,  0.36328125,  0.01794434,
        -0.1015625 , -0.10449219, -0.17382812, -0.16699219,  0.25195312,
         0.01239014,  0.02990723,  0.18164062,  0.16308594, -0.04223633,
```

```
         0.04589844,  0.2265625 , -0.06884766, -0.03491211, -0.27148438,
        -0.02258301,  0.10644531, -0.31640625,  0.00189972, -0.07080078,
         0.02380371, -0.09912109, -0.0480957 ,  0.20898438,  0.07666016,
        -0.0123291 ,  0.13867188, -0.11865234,  0.18457031,  0.22460938,
         0.04858398, -0.02905273, -0.00939941, -0.12158203, -0.24902344,
         0.05932617,  0.07519531, -0.24316406,  0.23046875,  0.125     ,
        -0.16210938,  0.17382812, -0.28320312, -0.03637695,  0.06787109,
         0.16210938,  0.03076172,  0.2734375 , -0.04956055,  0.16601562,
        -0.13867188,  0.04150391, -0.24609375, -0.41015625, -0.02868652,
        -0.45898438, -0.05810547,  0.12158203, -0.37109375, -0.04272461,
        -0.0859375 , -0.0300293 , -0.06152344,  0.00143433, -0.0267334 ,
         0.01483154, -0.33398438,  0.14746094, -0.16210938,  0.00360107,
        -0.0402832 ,  0.23730469,  0.00512695, -0.01916504, -0.2890625 ,
         0.14550781,  0.06982422,  0.28320312,  0.01409912, -0.32421875,
        -0.08984375, -0.22753906, -0.13671875,  0.08886719, -0.02111816,
         0.140625  , -0.13867188,  0.25390625,  0.18359375, -0.00286865,
        -0.11230469,  0.25976562,  0.0534668 , -0.01904297, -0.11865234,
        -0.25390625, -0.11572266, -0.00964355,  0.32226562, -0.06298828,
        -0.21191406, -0.12060547,  0.03015137,  0.16210938, -0.125     ,
        -0.10644531,  0.0703125 , -0.13867188, -0.09082031,  0.30664062,
        -0.35742188, -0.15722656, -0.03979492,  0.22558594,  0.21191406,
        -0.19335938, -0.140625  , -0.17089844,  0.265625  , -0.04052734,
        -0.04199219, -0.01330566,  0.24511719,  0.10791016, -0.23242188,
        -0.12792969,  0.11181641,  0.12402344,  0.35351562,  0.05786133,
         0.10742188, -0.02172852,  0.13378906, -0.06933594, -0.24316406,
        -0.09472656,  0.00836182, -0.1328125 ,  0.11083984,  0.22851562,
         0.08740234,  0.08691406,  0.17871094, -0.390625  ,  0.17675781,
         0.20214844,  0.1640625 , -0.19921875,  0.1875    ,  0.44921875,
         0.03637695, -0.40625   ,  0.17480469, -0.14746094, -0.140625  ,
        -0.19433594,  0.00390625, -0.01647949,  0.23828125,  0.16210938,
        -0.03735352,  0.01635742,  0.0078125 ,  0.18945312, -0.17480469,
        -0.06494141,  0.20703125, -0.23339844,  0.21289062, -0.09472656,
        -0.00254822,  0.12109375, -0.08544922,  0.13867188,  0.07568359],
       dtype=float32),
 'comprehensive': array([-3.22265625e-01, -1.90429688e-02,  2.63977051e-03,
7.41577148e-03,
        -3.75976562e-02, -1.39648438e-01,  1.44531250e-01, -2.81982422e-02,
         1.34765625e-01, -1.09375000e-01, -7.51953125e-02, -5.24902344e-02,
         5.61523438e-03,  1.87500000e-01,  7.56835938e-02,  6.34765625e-02,
         4.76074219e-02, -8.69140625e-02, -9.39941406e-03, -1.87500000e-01,
         5.06591797e-03,  2.17773438e-01, -2.35351562e-01,  2.05078125e-01,
        -1.91406250e-01,  2.34375000e-01,  1.07421875e-01,  4.78515625e-02,
         1.43554688e-01, -3.39843750e-01, -2.16064453e-02,  1.10351562e-01,
        -2.48046875e-01, -2.64892578e-02,  9.71679688e-02, -4.58984375e-02,
        -1.18164062e-01, -2.49023438e-01,  1.47460938e-01, -1.20117188e-01,
        -1.52343750e-01, -9.23156738e-04, -1.27929688e-01,  1.47460938e-01,
        -6.88476562e-02, -1.49414062e-01, -2.66113281e-02, -1.42578125e-01,
        -2.96630859e-02,  1.20605469e-01,  2.75390625e-01,  6.00585938e-02,
        -1.40991211e-02, -7.82012939e-05,  2.13623047e-02,  1.57226562e-01,
        -2.79296875e-01, -4.60937500e-01, -4.41894531e-02, -7.56835938e-02,
        -1.10839844e-01, -4.68750000e-02, -1.34765625e-01, -1.40625000e-01,
         1.50390625e-01,  1.34765625e-01,  9.76562500e-03,  2.00195312e-02,
         7.86132812e-02, -1.35742188e-01, -5.81054688e-02,  1.57226562e-01,
         4.33593750e-01,  1.50390625e-01,  5.59082031e-02, -1.13769531e-01,
         6.64062500e-02,  1.07421875e-01,  1.78710938e-01,  5.30242920e-04,
        -4.71191406e-02, -1.04980469e-02, -8.50677490e-04,  6.78710938e-02,
         1.80664062e-01, -1.01074219e-01, -3.14453125e-01, -2.36816406e-02,
         1.04492188e-01,  4.80957031e-02,  1.49414062e-01, -2.22656250e-01,
        -1.66992188e-01,  4.98046875e-02, -1.44531250e-01, -2.66113281e-02,
        -1.30859375e-01, -3.19824219e-02, -4.49218750e-02,  1.90734863e-04,
        -1.12304688e-02, -1.36108398e-02, -1.55273438e-01, -5.83496094e-02,
        -1.65039062e-01,  5.51757812e-02,  2.08984375e-01,  8.69140625e-02,
         8.30078125e-02, -2.23632812e-01, -1.06811523e-02,  7.42187500e-02,
        -1.58203125e-01, -1.13281250e-01,  2.63671875e-01,  1.76757812e-01,
```

```
        -2.75878906e-02, -2.95410156e-02,  2.42187500e-01, -3.02734375e-02,
        -2.35351562e-01, -2.40478516e-02, -5.41992188e-02, -9.03320312e-02,
        -1.21459961e-02,  5.49316406e-02,  4.10156250e-02, -1.29882812e-01,
        -1.56250000e-02,  1.63085938e-01, -2.32421875e-01,  9.47265625e-02,
        -1.11816406e-01, -9.86328125e-02, -1.60156250e-01,  1.36108398e-02,
         1.88476562e-01,  4.42504883e-03, -1.61132812e-02,  2.04101562e-01,
         7.71484375e-02,  1.84570312e-01,  8.39843750e-02,  4.22363281e-02,
        -1.15234375e-01, -1.18652344e-01, -1.89453125e-01,  4.24804688e-02,
        -4.46777344e-02, -1.21582031e-01,  9.71679688e-02, -1.17675781e-01,
        -2.94189453e-02, -7.56835938e-02, -3.76892090e-03, -2.83203125e-01,
         1.18652344e-01,  2.95410156e-02, -7.51953125e-02, -1.89453125e-01,
         1.00097656e-01,  1.01562500e-01, -1.21459961e-02, -1.67968750e-01,
        -3.05175781e-02,  6.20117188e-02,  5.76171875e-02, -2.55859375e-01,
        -2.79296875e-01, -2.47070312e-01,  1.95312500e-01, -3.96728516e-03,
         1.04003906e-01, -1.60156250e-01,  2.85156250e-01,  8.00781250e-02,
         8.78906250e-02,  3.39355469e-02, -3.65234375e-01,  3.54003906e-02,
        -4.33593750e-01, -1.57226562e-01, -4.71191406e-02, -1.97753906e-02,
        -1.56250000e-01,  2.02148438e-01, -1.35742188e-01,  7.91015625e-02,
        -5.95703125e-02,  1.82617188e-01, -8.00781250e-02, -1.10839844e-01,
         6.29882812e-02, -1.86523438e-01, -1.35742188e-01, -6.59179688e-02,
         4.27246094e-02, -1.53320312e-01,  2.62451172e-02, -3.90625000e-01,
        -1.61132812e-01,  1.47460938e-01,  8.34960938e-02,  1.23535156e-01,
         3.14941406e-02,  1.91406250e-01,  7.71484375e-02, -1.08886719e-01,
         2.67578125e-01, -7.47070312e-02, -1.60156250e-01,  3.59375000e-01,
        -7.76367188e-02,  7.51953125e-02, -3.27148438e-02,  6.39648438e-02,
         1.74804688e-01,  2.51953125e-01,  1.41601562e-01,  2.06054688e-01,
         3.80859375e-02, -6.39648438e-02, -1.51367188e-01, -1.78710938e-01,
         1.86157227e-03, -2.65625000e-01,  2.94921875e-01, -5.17578125e-02,
        -8.54492188e-02, -5.51757812e-02, -7.42187500e-02,  5.59082031e-02,
         1.66992188e-01, -8.88671875e-02, -7.76367188e-02,  8.05664062e-02,
        -2.91015625e-01,  7.81250000e-02,  3.34472656e-02, -1.02539062e-01,
        -3.49121094e-02, -6.10351562e-02,  9.52148438e-02,  3.36914062e-02,
         5.81054688e-02,  1.16577148e-02,  1.53320312e-01,  6.49414062e-02,
        -1.50390625e-01, -3.71093750e-02, -4.19921875e-02,  1.39648438e-01,
        -1.51367188e-01, -2.02636719e-02, -5.15136719e-02, -1.26342773e-02,
        -2.71484375e-01, -3.35937500e-01, -7.56835938e-02,  3.61633301e-03,
         2.53906250e-01, -1.64062500e-01,  1.07910156e-01, -8.93554688e-02,
        -3.66210938e-02,  9.13085938e-02, -1.70898438e-01, -1.05468750e-01,
        -2.24609375e-01, -1.25885010e-03, -7.87353516e-03,  1.81640625e-01,
        -1.86523438e-01,  2.91015625e-01,  3.67736816e-03,  1.75781250e-01,
         1.15722656e-01, -2.31445312e-01, -3.88183594e-02, -1.11816406e-01,
        -2.85156250e-01, -2.63671875e-02, -8.54492188e-02,  2.63671875e-01,
        -8.20312500e-02,  5.39550781e-02,  2.72216797e-02,  7.47070312e-02,
         2.03125000e-01, -2.85156250e-01, -1.63085938e-01, -6.17675781e-02,
         3.02734375e-01,  2.73437500e-01, -1.62109375e-01,  1.97265625e-01,
        -1.53320312e-01,  4.24804688e-02,  3.39508057e-04, -5.85937500e-0
2],
       dtype=float32),
 'holistic': array([-0.15039062,  0.00273132, -0.078125  ,  0.00665283, -0.
07080078,
         0.22167969,  0.37304688, -0.28320312, -0.22265625, -0.3359375 ,
         0.12011719, -0.03833008,  0.1640625 ,  0.5390625 ,  0.0559082 ,
         0.15527344, -0.05151367,  0.04760742, -0.02661133,  0.00108337,
        -0.05175781,  0.13964844,  0.04956055,  0.08935547, -0.07373047,
        -0.00622559, -0.1171875 ,  0.06591797,  0.22949219, -0.41210938,
        -0.08496094,  0.03808594, -0.31054688, -0.02832031,  0.04052734,
        -0.31054688,  0.09472656, -0.39257812,  0.01953125, -0.453125  ,
        -0.27734375, -0.10107422, -0.41601562,  0.125     , -0.02893066,
        -0.28125   , -0.08691406, -0.00224304,  0.16113281,  0.04638672,
         0.1796875 ,  0.21289062, -0.22753906, -0.05981445,  0.14257812,
         0.10595703, -0.12255859, -0.16308594,  0.19042969, -0.41601562,
        -0.00546265, -0.05737305,  0.15820312, -0.0090332 ,  0.12402344,
         0.17382812, -0.00074387,  0.30078125, -0.02050781, -0.22460938,
        -0.20605469, -0.10058594,  0.3984375 ,  0.07373047,  0.09130859,
```

```
        -0.27148438,  0.11816406,  0.00254822,  0.21972656,  0.11328125,
        -0.01940918,  0.015625  ,  0.05078125,  0.06396484,  0.140625  ,
        -0.19628906, -0.02124023,  0.09130859,  0.1015625 , -0.1171875 ,
         0.16210938, -0.14257812, -0.49609375, -0.23828125, -0.31835938,
         0.3203125 , -0.03930664, -0.0559082 ,  0.125     , -0.06030273,
         0.02746582,  0.19238281,  0.21386719,  0.0234375 ,  0.12451172,
         0.0456543 ,  0.03515625,  0.00650024,  0.16894531, -0.3671875 ,
        -0.22460938, -0.0390625 , -0.17480469,  0.1171875 ,  0.34570312,
         0.33984375, -0.06298828, -0.24316406,  0.17382812,  0.03466797,
        -0.21777344, -0.03735352, -0.11035156,  0.01806641, -0.29296875,
        -0.0201416 ,  0.16503906,  0.18164062,  0.12158203,  0.27929688,
        -0.38476562, -0.05541992,  0.03295898,  0.01245117,  0.0703125 ,
         0.15917969,  0.08740234,  0.05786133,  0.08349609,  0.46484375,
         0.06298828,  0.02844238, -0.23925781, -0.14257812, -0.13867188,
        -0.0625    , -0.34765625,  0.17089844, -0.0078125 , -0.00257874,
         0.18359375,  0.10107422, -0.2578125 ,  0.02978516,  0.00735474,
        -0.23632812,  0.08642578, -0.17089844,  0.08544922, -0.17089844,
         0.01611328, -0.05908203, -0.24902344, -0.09277344,  0.08447266,
         0.21679688, -0.13769531, -0.265625  , -0.22363281, -0.05517578,
        -0.23925781,  0.03613281, -0.05957031,  0.0480957 ,  0.22167969,
         0.2578125 ,  0.55859375,  0.01721191, -0.21484375,  0.20703125,
        -0.35351562, -0.09130859,  0.06103516, -0.22949219, -0.23828125,
         0.03759766, -0.14355469,  0.109375  , -0.18457031,  0.00341797,
        -0.17675781, -0.13085938, -0.03662109, -0.14648438,  0.05175781,
        -0.1328125 , -0.07080078, -0.02124023,  0.22558594,  0.04785156,
        -0.09130859,  0.06933594,  0.03149414, -0.01904297, -0.07519531,
         0.03808594,  0.04956055, -0.10595703,  0.02929688, -0.14746094,
        -0.50390625,  0.04785156, -0.11035156,  0.03149414,  0.07763672,
        -0.21191406,  0.07324219,  0.18261719, -0.05419922,  0.04052734,
         0.08154297,  0.18945312, -0.0050354 , -0.08691406, -0.05126953,
        -0.23339844, -0.00860596, -0.23339844, -0.2578125 ,  0.17578125,
        -0.12695312, -0.01068115,  0.0123291 , -0.01831055, -0.02441406,
         0.44921875, -0.02270508,  0.22558594, -0.22851562, -0.08398438,
         0.12890625,  0.03881836,  0.06835938, -0.00747681,  0.05664062,
        -0.09179688, -0.12597656,  0.04272461, -0.2421875 , -0.28710938,
        -0.13183594,  0.10498047, -0.07177734,  0.20605469,  0.03100586,
        -0.22167969, -0.29492188, -0.14550781,  0.03930664,  0.04516602,
        -0.01904297, -0.17480469, -0.04541016, -0.05395508,  0.13671875,
         0.03222656, -0.07373047,  0.07470703, -0.5703125 ,  0.06884766,
         0.06591797,  0.12353516, -0.04077148,  0.33203125,  0.18261719,
         0.08300781, -0.17675781, -0.00778198, -0.14746094,  0.13085938,
        -0.16601562, -0.26757812, -0.01916504,  0.01013184, -0.11572266,
        -0.05395508, -0.02636719, -0.02148438,  0.11572266, -0.02709961,
        -0.2578125 ,  0.00579834,  0.02758789,  0.359375  , -0.19824219,
         0.31445312,  0.11230469,  0.09716797,  0.02746582, -0.08056641],
       dtype=float32),
 'approach': array([ 0.09716797,  0.11035156,  0.02954102,  0.24316406, -0.
13183594,
         0.04638672,  0.04467773, -0.26953125,  0.015625  , -0.02282715,
        -0.00080109, -0.27929688,  0.18261719, -0.2109375 , -0.05566406,
         0.14160156, -0.27539062,  0.12304688,  0.05883789, -0.19824219,
         0.1328125 ,  0.13476562,  0.01403809,  0.21386719,  0.09912109,
        -0.05908203, -0.08349609,  0.01928711,  0.09619141,  0.08447266,
         0.02990723,  0.06396484, -0.06640625, -0.04907227,  0.18261719,
         0.15917969,  0.10400391, -0.05395508,  0.33398438, -0.08349609,
         0.390625  , -0.07275391, -0.3046875 ,  0.06347656, -0.17089844,
        -0.14550781, -0.3203125 , -0.00191498,  0.00866699,  0.12060547,
         0.03686523,  0.22070312, -0.11035156, -0.25195312,  0.24707031,
         0.01843262, -0.140625  ,  0.03540039, -0.10449219, -0.20117188,
        -0.03662109,  0.00146484, -0.17480469, -0.08203125, -0.06347656,
         0.06445312, -0.02990723,  0.18652344,  0.02966309,  0.11669922,
        -0.15722656, -0.03540039,  0.3671875 ,  0.08935547, -0.00215149,
        -0.11572266,  0.14648438,  0.11035156,  0.05737305,  0.16015625,
         0.09814453, -0.05981445,  0.21679688, -0.125     ,  0.16894531,
```

```
        -0.171875  ,  0.07421875,  0.03491211,  0.12011719, -0.04589844,
         0.04418945, -0.02929688, -0.17382812,  0.15722656,  0.05126953,
        -0.00454712, -0.30078125,  0.01123047, -0.1796875 , -0.08642578,
         0.12988281, -0.08398438, -0.1484375 ,  0.20214844,  0.04858398,
        -0.09765625,  0.09228516, -0.12597656,  0.05932617, -0.07714844,
         0.171875  , -0.00497437, -0.01794434,  0.11523438,  0.01855469,
         0.13085938,  0.109375  , -0.10791016,  0.04003906,  0.08691406,
        -0.23242188, -0.02148438,  0.04345703,  0.1640625 ,  0.05810547,
        -0.0008049 ,  0.08544922,  0.08642578, -0.13183594, -0.09863281,
         0.00497437, -0.28515625, -0.04589844, -0.08300781,  0.09082031,
         0.02294922, -0.0168457 , -0.08837891,  0.11767578,  0.20996094,
         0.21386719,  0.08007812, -0.01953125, -0.02453613,  0.05175781,
        -0.04443359, -0.125     , -0.22949219,  0.03662109,  0.11035156,
        -0.09863281, -0.16601562, -0.10449219, -0.03149414, -0.11083984,
        -0.32226562, -0.0144043 ,  0.01464844,  0.03759766,  0.0456543 ,
        -0.00689697,  0.19921875,  0.05615234, -0.171875  , -0.14648438,
         0.03320312,  0.21386719, -0.20800781, -0.07714844, -0.11914062,
         0.15820312, -0.00665283, -0.1328125 ,  0.0177002 ,  0.15039062,
         0.10107422,  0.21191406, -0.05224609, -0.0625    ,  0.18554688,
        -0.33984375,  0.01379395,  0.09960938,  0.14453125, -0.17773438,
        -0.13867188,  0.02148438,  0.11035156, -0.11962891, -0.0279541 ,
        -0.26953125, -0.12060547,  0.05322266, -0.00402832, -0.22949219,
        -0.21875   , -0.21289062,  0.24511719,  0.07958984,  0.15136719,
         0.01843262,  0.21875   ,  0.0234375 ,  0.03112793, -0.03881836,
        -0.00424194,  0.13085938, -0.18261719,  0.1015625 , -0.14355469,
        -0.23046875,  0.00439453, -0.02819824,  0.20605469, -0.12695312,
        -0.07226562,  0.09179688,  0.14941406, -0.16015625,  0.01275635,
        -0.10791016,  0.01794434,  0.0703125 ,  0.12695312, -0.07128906,
         0.03466797,  0.23339844, -0.2265625 ,  0.10498047,  0.33984375,
        -0.01586914,  0.02416992, -0.05786133, -0.19921875, -0.02746582,
         0.05493164, -0.20019531, -0.00131989,  0.10791016,  0.01721191,
        -0.08105469,  0.21777344,  0.11669922, -0.11523438,  0.05664062,
         0.12109375,  0.02624512,  0.10205078, -0.01586914,  0.03198242,
        -0.00640869, -0.00756836, -0.25195312, -0.16113281, -0.08740234,
        -0.00704956, -0.13769531,  0.11035156, -0.1953125 , -0.0177002 ,
         0.1328125 ,  0.03637695, -0.12597656, -0.05175781,  0.03271484,
         0.12890625,  0.00076294, -0.11181641, -0.5       ,  0.06347656,
         0.09814453,  0.14355469,  0.14941406,  0.19238281, -0.10546875,
         0.06542969, -0.15820312,  0.19726562,  0.1015625 ,  0.00354004,
        -0.02929688,  0.015625  ,  0.01098633, -0.02990723,  0.16992188,
         0.10302734, -0.11474609, -0.04370117, -0.14941406,  0.08691406,
        -0.44140625, -0.00689697,  0.14355469,  0.07617188, -0.10595703,
         0.04882812,  0.3359375 , -0.01080322, -0.14453125,  0.15820312],
       dtype=float32),
 'collect': array([ 1.54296875e-01, -2.99072266e-02, -2.48046875e-01,  9.47
265625e-02,
         8.17871094e-03, -7.51953125e-02, -1.18255615e-04,  1.09863281e-01,
         1.25976562e-01, -8.48388672e-03, -1.38671875e-01, -9.22851562e-02,
         4.71191406e-02,  2.77343750e-01, -2.34375000e-01,  1.30859375e-01,
         5.07812500e-02,  1.35742188e-01, -1.76757812e-01,  2.02148438e-01,
        -8.74023438e-02, -8.05664062e-02, -2.33459473e-03,  3.37890625e-01,
         4.98046875e-02, -3.26171875e-01, -6.64062500e-02, -2.71484375e-01,
         3.39355469e-02, -1.48437500e-01, -8.49609375e-02, -6.05468750e-02,
        -1.04003906e-01, -1.29882812e-01, -3.08593750e-01, -8.54492188e-02,
        -3.32031250e-02, -1.16210938e-01, -1.34765625e-01,  1.66992188e-01,
         1.10839844e-01, -5.90820312e-02,  1.82617188e-01, -4.56542969e-02,
        -6.68945312e-02, -4.27734375e-01, -1.81640625e-01, -2.00195312e-01,
        -4.41894531e-02,  9.61914062e-02,  2.45361328e-02, -7.66601562e-02,
         1.77734375e-01, -7.81250000e-02, -4.78515625e-01,  1.66015625e-01,
        -1.84570312e-01, -1.25976562e-01, -1.09375000e-01, -1.49414062e-01,
         1.19628906e-01, -1.85546875e-01, -9.42382812e-02, -1.90429688e-01,
         7.37304688e-02,  6.98242188e-02,  3.19824219e-02,  2.92968750e-02,
         1.25976562e-01,  5.73730469e-02,  1.93359375e-01, -8.44726562e-02,
         2.48046875e-01, -2.31445312e-01,  4.95605469e-02, -6.39648438e-02,
```

```
         5.49316406e-02,  4.46777344e-02, -5.76782227e-03, -1.13281250e-01,
        -4.29687500e-02, -2.79296875e-01,  4.85839844e-02,  1.73828125e-01,
         1.36718750e-01,  9.17968750e-02, -5.51757812e-02,  3.78417969e-02,
        -1.33789062e-01,  4.00390625e-01,  9.61914062e-02,  7.42187500e-02,
        -1.17797852e-02, -2.83203125e-01,  6.05468750e-02, -6.50024414e-03,
         2.67578125e-01,  1.73828125e-01,  1.56250000e-01,  2.59765625e-01,
        -1.18164062e-01, -1.70898438e-01,  1.48315430e-02,  5.02929688e-02,
        -9.13085938e-02, -1.26953125e-01,  1.11083984e-02,  4.98046875e-02,
         1.34765625e-01,  7.61718750e-02,  1.84326172e-02, -1.00097656e-01,
        -9.09423828e-03, -6.34765625e-02, -7.03125000e-02,  1.50390625e-01,
         1.89208984e-02,  5.88378906e-02,  3.95507812e-02,  1.25000000e-01,
        -3.61328125e-02, -2.28271484e-02,  1.48315430e-02,  4.00390625e-02,
        -6.07910156e-02,  1.09375000e-01, -5.22460938e-02, -1.03515625e-01,
        -6.29882812e-02, -8.39843750e-02,  3.24218750e-01, -3.06640625e-01,
         7.12890625e-02, -1.63085938e-01, -6.20117188e-02, -8.10546875e-02,
        -1.42578125e-01, -1.07421875e-01, -1.30859375e-01, -1.27929688e-01,
         2.18750000e-01,  1.10351562e-01, -2.43164062e-01, -9.33837891e-03,
         1.60156250e-01,  3.39355469e-02, -3.63281250e-01, -1.97265625e-01,
        -1.60156250e-01,  7.66601562e-02, -3.54003906e-02,  2.30712891e-02,
        -2.79296875e-01,  2.14843750e-01,  5.93261719e-02,  4.93164062e-02,
         1.24511719e-01, -7.81250000e-03, -1.68945312e-01,  1.54296875e-01,
         4.30297852e-03, -2.47070312e-01, -1.74804688e-01, -8.39843750e-02,
         5.15136719e-02, -7.42187500e-02,  3.57421875e-01, -3.10546875e-01,
         1.44042969e-02, -1.42578125e-01, -2.07031250e-01, -5.61523438e-03,
         5.00488281e-02,  2.14843750e-02,  6.80541992e-03, -5.31005859e-03,
         2.98828125e-01, -6.73828125e-02, -2.19726562e-01,  8.36181641e-03,
        -6.59179688e-02,  3.78417969e-02,  1.51367188e-01,  1.27929688e-01,
        -1.05468750e-01, -1.67968750e-01, -1.04003906e-01,  2.53906250e-01,
        -8.98437500e-02,  4.85839844e-02,  3.85742188e-02,  6.10351562e-02,
         1.88476562e-01, -9.27734375e-02, -1.87500000e-01, -4.29687500e-02,
         3.94531250e-01, -1.40625000e-01, -3.06640625e-01,  2.56347656e-02,
         8.34960938e-02,  1.29882812e-01, -1.11816406e-01,  9.22851562e-02,
        -2.90527344e-02,  1.23535156e-01, -1.30859375e-01,  1.21582031e-01,
        -6.54296875e-02, -2.23632812e-01,  1.37695312e-01,  4.00390625e-02,
        -6.73828125e-02, -2.92968750e-03, -7.08007812e-02,  3.75000000e-01,
        -7.51953125e-02,  3.61633301e-03, -1.26953125e-01, -1.27929688e-01,
        -5.29785156e-02, -1.53350830e-03,  2.12890625e-01, -1.77734375e-01,
        -3.34472656e-02,  2.05078125e-01, -2.12890625e-01, -6.78710938e-02,
         1.96289062e-01, -1.26953125e-01,  4.49218750e-01,  6.95800781e-03,
         8.93554688e-02, -4.66308594e-02,  1.80664062e-01, -1.71661377e-03,
         4.46777344e-02, -1.68945312e-01, -3.88183594e-02, -1.32812500e-01,
        -7.17773438e-02, -2.43164062e-01,  1.43432617e-02,  4.90722656e-02,
        -3.04687500e-01,  1.96289062e-01,  1.71875000e-01,  2.06054688e-01,
        -4.80957031e-02, -1.08886719e-01,  1.18652344e-01, -4.58984375e-02,
         5.54199219e-02,  2.45361328e-02, -1.84570312e-01,  2.05078125e-01,
         4.44335938e-02,  1.31225586e-03, -6.59179688e-02, -6.00585938e-02,
        -8.15429688e-02, -1.43554688e-01, -2.32421875e-01,  1.73339844e-02,
        -3.80859375e-02, -8.15429688e-02, -4.49218750e-02,  1.25976562e-01,
         1.12304688e-01,  1.35742188e-01,  1.06933594e-01,  2.35595703e-02,
         2.36328125e-01,  2.55859375e-01,  1.83593750e-01, -2.81982422e-02,
        -2.03125000e-01, -1.69921875e-01, -1.73339844e-02, -6.54296875e-02,
        -1.29882812e-01,  6.39648438e-02,  4.55078125e-01,  7.22656250e-02,
        -7.71484375e-02,  1.59912109e-02, -2.08984375e-01,  1.48437500e-01,
         1.28906250e-01,  1.17187500e-01,  1.99218750e-01,  1.68945312e-01,
         7.27539062e-02,  5.34667969e-02, -1.65039062e-01,  2.03857422e-02,
         1.43554688e-01, -1.25000000e-01,  1.04980469e-01, -3.24218750e-0
1],
       dtype=float32),
 'evaluate': array([-0.43945312,  0.0612793 ,  0.0037384 , -0.04931641,  0.
07177734,
         0.11523438, -0.01696777, -0.1640625 ,  0.19042969, -0.28710938,
        -0.27734375, -0.08544922,  0.10302734,  0.27539062,  0.01281738,
         0.04980469, -0.27148438,  0.12988281, -0.10839844, -0.07958984,
         0.00411987, -0.04003906, -0.3515625 ,  0.31054688, -0.06640625,
```

```
        -0.1640625 , -0.12451172,  0.09667969, -0.08691406,  0.09326172,
        -0.02148438,  0.04052734, -0.16015625,  0.07666016, -0.21582031,
        -0.13769531, -0.20117188, -0.14257812,  0.24121094, -0.04736328,
        -0.02832031,  0.12988281,  0.13085938, -0.1484375 , -0.22949219,
        -0.0145874 ,  0.01928711, -0.15722656,  0.10302734,  0.15527344,
         0.02331543,  0.12597656, -0.2421875 , -0.13476562, -0.30859375,
        -0.00476074, -0.02380371, -0.28320312,  0.15917969,  0.03564453,
        -0.13183594,  0.0324707 ,  0.06591797,  0.02624512,  0.27929688,
        -0.07763672,  0.12255859,  0.28320312,  0.06445312, -0.234375  ,
         0.08300781,  0.06933594,  0.19140625, -0.02734375, -0.11328125,
        -0.37109375,  0.22460938,  0.08496094, -0.08056641,  0.45507812,
         0.01916504, -0.05249023, -0.2890625 ,  0.21289062,  0.09130859,
        -0.03686523, -0.16503906,  0.25976562, -0.17675781,  0.15527344,
         0.05151367, -0.06787109, -0.02258301,  0.19628906,  0.15332031,
        -0.00946045, -0.02685547, -0.00171661,  0.20703125, -0.03369141,
         0.30273438, -0.25390625,  0.09619141,  0.07714844, -0.00518799,
         0.10058594,  0.01379395,  0.04125977,  0.00726318, -0.0111084 ,
         0.0123291 ,  0.04736328, -0.10107422, -0.2734375 ,  0.30273438,
        -0.140625  ,  0.18359375,  0.04760742,  0.24902344,  0.06494141,
        -0.07470703, -0.07421875, -0.1796875 ,  0.12792969, -0.03808594,
        -0.14746094, -0.20214844, -0.1484375 , -0.08349609,  0.12792969,
         0.02758789, -0.12451172, -0.01940918, -0.02661133,  0.23632812,
        -0.07910156,  0.01904297,  0.18554688,  0.20019531,  0.03063965,
         0.15820312,  0.12988281, -0.24023438,  0.18945312,  0.13671875,
         0.02075195, -0.02185059, -0.2890625 , -0.05957031, -0.03088379,
        -0.19824219, -0.06689453, -0.09863281,  0.328125  ,  0.08007812,
        -0.05541992,  0.17675781, -0.09179688, -0.08984375, -0.00227356,
         0.25      ,  0.10205078, -0.12011719, -0.15820312,  0.15429688,
         0.03686523,  0.18554688, -0.12304688,  0.3125    , -0.01879883,
         0.05126953, -0.00878906,  0.13085938,  0.28125   ,  0.31640625,
         0.02172852,  0.42578125, -0.05908203, -0.24804688, -0.01599121,
        -0.15234375,  0.06298828,  0.09228516,  0.00387573, -0.15039062,
        -0.2421875 , -0.28320312, -0.01757812,  0.05419922,  0.03588867,
        -0.32226562,  0.02929688, -0.06982422, -0.25390625, -0.0246582 ,
        -0.25976562,  0.34570312, -0.25585938, -0.04370117, -0.09814453,
         0.07763672,  0.21679688, -0.07861328, -0.02185059, -0.24902344,
        -0.1875    ,  0.03417969,  0.06494141,  0.20507812, -0.17675781,
         0.28710938,  0.28515625, -0.2578125 , -0.06494141, -0.33398438,
        -0.01745605,  0.13378906, -0.04516602,  0.17871094, -0.3203125 ,
         0.08984375,  0.06591797, -0.19042969,  0.07226562,  0.28320312,
        -0.16992188, -0.04882812,  0.14746094, -0.02233887,  0.03466797,
         0.01184082, -0.11523438, -0.0090332 , -0.13085938,  0.17382812,
        -0.14941406, -0.12158203, -0.13671875, -0.05761719,  0.09912109,
        -0.39453125,  0.06103516, -0.00332642,  0.2265625 , -0.44140625,
        -0.01470947, -0.23535156, -0.05859375,  0.07373047, -0.26171875,
        -0.20117188,  0.11621094, -0.01928711, -0.12988281, -0.13574219,
         0.05981445, -0.16308594,  0.21289062,  0.06835938, -0.265625  ,
        -0.0222168 , -0.01208496, -0.21972656, -0.05322266,  0.21875   ,
        -0.04711914,  0.10888672,  0.01818848, -0.25390625, -0.03637695,
         0.18945312,  0.37304688, -0.01324463,  0.05688477, -0.01928711,
        -0.02990723, -0.29296875, -0.20800781, -0.19726562, -0.05664062,
        -0.09716797, -0.02758789,  0.02624512, -0.01074219, -0.05859375,
        -0.09814453, -0.15234375,  0.3203125 ,  0.30859375, -0.01556396,
        -0.02124023,  0.3125    , -0.140625  ,  0.11230469, -0.13476562,
         0.02392578,  0.03686523,  0.0559082 , -0.19140625, -0.17480469],
       dtype=float32),
 'effectiveness': array([ 0.10986328,  0.12451172, -0.00188446,  0.0128173
8, -0.02429199,
         0.27539062,  0.08544922, -0.20117188,  0.43554688,  0.26171875,
        -0.04052734, -0.43554688,  0.203125  ,  0.24707031, -0.13085938,
         0.09619141, -0.01281738,  0.04638672, -0.10986328,  0.06103516,
        -0.06445312, -0.07958984, -0.37695312,  0.62890625, -0.08447266,
        -0.2265625 , -0.05810547, -0.10400391, -0.10888672,  0.23730469,
        -0.03076172, -0.20117188, -0.15234375, -0.20703125,  0.01867676,
```

```
         0.12207031, -0.01239014,  0.33398438,  0.25390625, -0.21679688,
         0.04077148, -0.01086426, -0.08398438,  0.12890625, -0.25585938,
        -0.10595703, -0.06933594, -0.00279236,  0.17285156,  0.21484375,
        -0.14355469,  0.20703125,  0.00361633, -0.27148438,  0.14453125,
        -0.19140625, -0.08349609,  0.03271484,  0.20507812, -0.04174805,
         0.10839844,  0.04223633, -0.01647949,  0.04956055, -0.05419922,
        -0.01245117, -0.05810547,  0.12890625,  0.00144196, -0.02770996,
        -0.09619141, -0.07617188,  0.08740234,  0.12207031, -0.30664062,
        -0.33789062,  0.17675781,  0.16796875,  0.06445312,  0.43359375,
        -0.11572266,  0.11279297, -0.06982422, -0.01574707, -0.03173828,
        -0.05712891, -0.12988281,  0.13378906, -0.17675781,  0.12207031,
        -0.00238037,  0.03808594,  0.12207031, -0.16503906,  0.16015625,
        -0.01257324, -0.21386719, -0.01672363, -0.078125  ,  0.18457031,
         0.265625  ,  0.16601562,  0.09863281,  0.11523438,  0.14355469,
        -0.11376953, -0.296875  ,  0.4375    ,  0.22167969, -0.30859375,
         0.11669922,  0.19140625, -0.22265625,  0.02612305,  0.0390625 ,
        -0.18652344, -0.09277344, -0.1875    ,  0.15136719, -0.04345703,
        -0.15039062,  0.07568359,  0.08740234,  0.17480469,  0.27148438,
         0.21777344, -0.1484375 ,  0.1171875 ,  0.05883789,  0.04858398,
        -0.09033203,  0.1640625 , -0.15527344, -0.14941406, -0.18457031,
        -0.10986328,  0.22265625, -0.25195312,  0.31445312,  0.06591797,
         0.16796875,  0.02697754, -0.00933838,  0.22167969,  0.12695312,
        -0.24023438,  0.1875    , -0.15039062,  0.1796875 ,  0.08984375,
         0.00799561,  0.06176758, -0.13085938,  0.16210938,  0.27539062,
        -0.14257812,  0.07617188, -0.32617188, -0.2421875 , -0.03344727,
        -0.03271484,  0.171875  ,  0.13769531, -0.06884766, -0.42382812,
        -0.18261719, -0.28710938, -0.12304688,  0.25390625,  0.06787109,
         0.18847656, -0.23046875, -0.3203125 , -0.10644531,  0.04345703,
         0.06225586,  0.01818848, -0.08886719, -0.125     , -0.04272461,
        -0.11083984,  0.00476074, -0.00177765, -0.14648438, -0.00708008,
        -0.20214844,  0.03808594, -0.21484375,  0.01531982,  0.046875  ,
        -0.12353516, -0.00799561, -0.02819824, -0.08984375, -0.1953125 ,
        -0.05493164,  0.38671875, -0.13671875,  0.49804688, -0.10058594,
        -0.11669922,  0.11328125,  0.09863281,  0.00143433, -0.05737305,
        -0.06347656,  0.19238281,  0.12597656, -0.12402344,  0.12988281,
        -0.06884766, -0.19238281, -0.44726562, -0.171875  , -0.17089844,
        -0.31445312,  0.27148438, -0.07470703, -0.08349609,  0.2421875 ,
        -0.3046875 ,  0.00509644,  0.15136719,  0.06591797, -0.0234375 ,
         0.05566406,  0.19238281, -0.15917969,  0.10302734,  0.03613281,
        -0.12597656,  0.30664062,  0.24511719,  0.03222656, -0.31054688,
        -0.21484375, -0.125     ,  0.01611328, -0.04150391, -0.06689453,
        -0.22949219, -0.04956055,  0.24316406, -0.10058594, -0.16601562,
        -0.00561523, -0.359375  , -0.07177734, -0.12109375,  0.01660156,
        -0.21972656, -0.04272461,  0.06347656,  0.08300781, -0.05834961,
        -0.11962891,  0.21777344, -0.0088501 ,  0.07568359, -0.14355469,
         0.10253906, -0.00280762, -0.0300293 ,  0.00741577, -0.05224609,
        -0.08886719,  0.0612793 , -0.20507812, -0.28710938, -0.01733398,
         0.02539062,  0.02978516, -0.16210938,  0.10888672, -0.05444336,
        -0.10205078, -0.12451172, -0.09082031,  0.09179688, -0.06152344,
         0.00595093,  0.25      ,  0.40625   ,  0.08056641, -0.23535156,
        -0.18164062, -0.04663086,  0.17480469,  0.20800781, -0.15527344,
        -0.30078125, -0.0065918 ,  0.00390625, -0.07373047, -0.09814453,
         0.1640625 ,  0.1328125 ,  0.12207031, -0.15917969,  0.08935547],
       dtype=float32),
 'adjustment': array([-0.24414062,  0.10693359, -0.32226562,  0.3125    , -
0.22753906,
        -0.02319336, -0.00582886, -0.24316406,  0.10302734, -0.01574707,
        -0.0255127 , -0.24414062,  0.10058594,  0.0234375 , -0.02307129,
         0.2578125 ,  0.18945312,  0.01647949,  0.06079102, -0.20214844,
        -0.16992188,  0.16992188,  0.05981445, -0.09423828,  0.06640625,
         0.33789062, -0.234375  , -0.12792969, -0.11425781,  0.30078125,
        -0.1875    , -0.06982422,  0.33984375, -0.05541992,  0.19140625,
        -0.24316406,  0.015625  ,  0.04663086,  0.23535156, -0.10351562,
        -0.02209473, -0.02331543,  0.40234375, -0.17871094, -0.11621094,
```

```
        -0.07666016, -0.01586914,  0.12988281, -0.01867676, -0.12792969,
        -0.12792969,  0.03393555, -0.12792969, -0.05224609, -0.125     ,
         0.07421875, -0.15527344, -0.08203125, -0.18554688, -0.109375  ,
        -0.37695312, -0.10302734, -0.40234375, -0.203125  ,  0.3515625 ,
        -0.01660156, -0.01013184,  0.08398438, -0.140625  ,  0.02001953,
        -0.01300049, -0.16210938, -0.11962891, -0.12109375,  0.05932617,
         0.00778198,  0.34960938,  0.05371094, -0.23339844,  0.10546875,
         0.296875  , -0.125     , -0.05712891,  0.55078125,  0.14160156,
        -0.09667969, -0.1484375 ,  0.20410156,  0.30273438, -0.22949219,
         0.17871094,  0.07519531,  0.14257812,  0.12207031, -0.1328125 ,
        -0.10449219, -0.06933594,  0.00094223,  0.06103516, -0.32617188,
         0.13867188,  0.00939941, -0.08837891,  0.07861328,  0.15332031,
         0.08740234, -0.15625   , -0.11230469, -0.00643921, -0.1875    ,
        -0.125     , -0.23925781, -0.2265625 ,  0.13183594, -0.13671875,
         0.296875  ,  0.0402832 ,  0.25390625, -0.02819824,  0.13964844,
         0.04833984,  0.07128906, -0.17480469,  0.04077148, -0.1875    ,
        -0.00390625, -0.17089844, -0.07617188, -0.13769531,  0.16113281,
         0.0859375 ,  0.03491211, -0.3515625 ,  0.1484375 , -0.09912109,
         0.23632812, -0.02001953,  0.11669922, -0.06835938,  0.24609375,
         0.23535156,  0.18945312, -0.34179688,  0.04370117,  0.18945312,
         0.05834961,  0.02734375,  0.17089844, -0.2109375 ,  0.06396484,
         0.05834961, -0.03491211, -0.04418945,  0.16992188,  0.10595703,
        -0.16210938, -0.15722656, -0.03564453,  0.20507812, -0.06201172,
         0.16503906,  0.18164062,  0.17871094, -0.06884766, -0.21191406,
         0.18554688,  0.11914062,  0.20605469,  0.16503906,  0.02075195,
         0.14160156, -0.02844238,  0.00982666,  0.09716797, -0.07519531,
         0.17578125,  0.16210938, -0.14648438,  0.15625   ,  0.04296875,
        -0.28320312,  0.06347656,  0.3984375 ,  0.20800781,  0.06445312,
         0.00224304,  0.03930664,  0.14648438,  0.14453125, -0.09570312,
         0.06835938, -0.03344727, -0.11279297,  0.05029297, -0.05786133,
        -0.0201416 , -0.07519531, -0.14160156, -0.11914062, -0.32617188,
         0.22851562, -0.03149414, -0.01361084, -0.07617188, -0.06054688,
        -0.31835938, -0.23925781, -0.2421875 ,  0.59375   ,  0.37695312,
         0.01147461,  0.20703125, -0.03173828,  0.17675781, -0.17089844,
        -0.03466797,  0.11083984,  0.2890625 , -0.10791016, -0.29296875,
        -0.05224609,  0.24804688, -0.27734375, -0.28125   , -0.10742188,
         0.11621094,  0.17285156,  0.0390625 , -0.23339844,  0.38671875,
         0.04418945,  0.10791016,  0.078125  , -0.01977539, -0.08300781,
         0.15625   , -0.11962891, -0.4375    , -0.12988281,  0.12060547,
         0.07421875, -0.10742188,  0.05712891, -0.33398438, -0.15234375,
         0.06689453, -0.4765625 ,  0.03979492,  0.02648926, -0.14160156,
         0.15332031, -0.10595703, -0.3359375 , -0.125     , -0.02966309,
         0.03662109,  0.00735474, -0.04760742, -0.01818848,  0.19824219,
         0.33007812, -0.06298828, -0.08837891,  0.18652344, -0.04223633,
        -0.0213623 ,  0.4609375 , -0.1484375 , -0.30859375, -0.07421875,
        -0.09619141,  0.22363281,  0.04223633, -0.23535156,  0.24023438,
         0.25      , -0.10595703, -0.05102539, -0.18652344,  0.03491211,
         0.171875  , -0.03320312,  0.03320312,  0.0390625 ,  0.07714844,
        -0.27539062,  0.02697754, -0.04394531, -0.06103516, -0.24121094,
        -0.2421875 ,  0.33984375,  0.13574219, -0.14160156, -0.11572266,
         0.20605469, -0.1171875 ,  0.09423828, -0.10888672, -0.00765991],
       dtype=float32),
 'towards': array([-5.00488281e-02, -7.66601562e-02, -1.18408203e-02,  2.07
031250e-01,
        -8.88671875e-02, -5.54199219e-02,  1.45507812e-01, -3.10546875e-01,
        -6.83593750e-02,  1.70898438e-01, -1.66015625e-01,  5.46875000e-02,
         2.08984375e-01,  2.89062500e-01, -4.00390625e-02, -1.59179688e-01,
        -4.10156250e-02,  5.90820312e-02,  5.59082031e-02, -8.69140625e-02,
         2.96875000e-01,  7.32421875e-02,  1.25000000e-01,  3.82995605e-03,
         2.69531250e-01, -2.28271484e-02, -2.27539062e-01,  9.91210938e-02,
         3.12500000e-01,  8.78906250e-02,  2.72216797e-02, -7.56835938e-02,
        -5.76171875e-02,  1.28906250e-01, -2.29492188e-01, -4.93164062e-02,
         7.12890625e-02,  7.66601562e-02,  1.65039062e-01, -1.30859375e-01,
         6.83593750e-02, -2.08007812e-01,  9.57031250e-02,  2.47802734e-02,
```

```
-2.15820312e-01, -1.25976562e-01, -1.66015625e-01,  5.32226562e-02,
-2.24609375e-02, -3.41796875e-02,  2.98828125e-01, -3.29589844e-02,
 7.47070312e-02, -2.47070312e-01, -2.07031250e-01,  9.96093750e-02,
-1.64062500e-01,  1.01074219e-01, -1.54296875e-01, -1.70898438e-01,
-4.80468750e-01, -6.00585938e-02,  3.89099121e-03, -2.14843750e-01,
-9.08203125e-02, -5.88989258e-03,  1.20605469e-01,  1.59179688e-01,
-2.01171875e-01,  3.67187500e-01, -4.12109375e-01, -5.93261719e-02,
 1.20117188e-01,  1.04980469e-01, -4.22363281e-02, -1.06445312e-01,
 2.28515625e-01,  3.55468750e-01, -6.54296875e-02,  2.22656250e-01,
 8.15429688e-02,  1.20849609e-02,  1.66992188e-01, -1.49414062e-01,
 1.80664062e-01,  8.44726562e-02, -2.30712891e-02, -2.28515625e-01,
 2.83203125e-01,  9.08203125e-02, -4.15039062e-02, -8.36181641e-03,
-1.80664062e-01, -1.38671875e-01,  9.42382812e-02, -1.00585938e-01,
 1.63085938e-01, -6.73828125e-02, -5.07812500e-02,  1.24511719e-01,
 8.69140625e-02, -5.83496094e-02,  1.07910156e-01,  9.91210938e-02,
-1.68457031e-02, -2.57568359e-02, -1.46484375e-01, -5.59082031e-02,
 1.64062500e-01,  5.02929688e-02, -2.42187500e-01,  6.73828125e-02,
-1.36108398e-02,  1.85546875e-01, -9.57031250e-02,  7.95898438e-02,
-6.64062500e-02,  6.17675781e-02, -7.76367188e-02,  2.91015625e-01,
 2.24609375e-01,  3.16619873e-04, -1.22558594e-01, -8.91113281e-03,
-4.06250000e-01,  1.31835938e-01, -1.47460938e-01, -3.56445312e-02,
-1.80664062e-01,  9.71679688e-02, -4.17480469e-02, -1.00097656e-01,
 4.17480469e-02, -1.13769531e-01, -4.66308594e-02,  4.88281250e-03,
 1.98974609e-02,  1.01562500e-01, -1.73828125e-01,  2.91015625e-01,
 7.66601562e-02, -2.28271484e-02, -1.66992188e-01,  2.00195312e-01,
-1.22558594e-01, -4.88281250e-02,  3.11279297e-02, -8.34960938e-02,
-1.32812500e-01,  8.69140625e-02,  3.11279297e-03, -1.47460938e-01,
-1.58203125e-01, -3.51562500e-02, -2.31445312e-01,  1.18164062e-01,
-9.61914062e-02,  6.10351562e-02,  6.44531250e-02, -1.31835938e-01,
 2.70996094e-02, -9.32617188e-02, -9.81445312e-02,  2.38037109e-03,
 5.71289062e-02, -1.06445312e-01,  3.10058594e-02,  2.22656250e-01,
-5.98144531e-02, -1.30859375e-01, -2.67333984e-02, -2.45117188e-01,
 2.22167969e-02,  5.15747070e-03, -1.33789062e-01,  2.47802734e-02,
 2.63671875e-01, -1.12304688e-01,  3.36914062e-02, -1.40380859e-02,
-1.75781250e-01,  4.39453125e-02, -9.15527344e-03,  7.42187500e-02,
-2.89062500e-01,  1.36718750e-01, -7.76367188e-02,  2.57812500e-01,
 9.03320312e-02,  7.42187500e-02,  1.00585938e-01,  1.22558594e-01,
-7.08007812e-02, -3.56445312e-02, -2.50000000e-01, -8.83789062e-02,
-2.03857422e-02,  3.55468750e-01,  2.47802734e-02,  1.06933594e-01,
 1.32812500e-01, -1.61132812e-01, -6.07910156e-02, -9.61914062e-02,
-2.66113281e-02, -5.67626953e-03, -3.61328125e-02,  1.77734375e-01,
 1.62109375e-01,  7.22656250e-02,  1.25976562e-01, -1.04492188e-01,
-2.35351562e-01,  2.13867188e-01,  1.43554688e-01, -8.59375000e-02,
 5.00488281e-02,  5.46875000e-02, -3.07617188e-02,  1.11328125e-01,
-9.15527344e-03,  2.64892578e-02,  1.03515625e-01,  6.25000000e-02,
-8.10546875e-02,  1.83105469e-02,  2.24609375e-01, -9.52148438e-02,
 1.67968750e-01, -8.59375000e-02,  1.19628906e-01, -1.28906250e-01,
 1.17187500e-01, -9.27734375e-02, -1.25000000e-01,  1.62109375e-01,
-1.35742188e-01,  2.46093750e-01,  1.51367188e-01,  2.06054688e-01,
 3.03955078e-02,  8.69140625e-02,  1.29882812e-01, -6.22558594e-03,
-8.98437500e-02, -1.19018555e-02,  2.24609375e-02,  1.75781250e-01,
-1.10351562e-01,  2.34375000e-02,  3.24218750e-01,  2.28515625e-01,
 1.67968750e-01,  2.10937500e-01, -2.79296875e-01, -1.77734375e-01,
 3.75976562e-02,  2.27539062e-01, -2.92968750e-01,  9.71679688e-02,
-1.26953125e-01, -1.50756836e-02,  9.22851562e-02, -5.71289062e-02,
 1.41601562e-01, -5.27343750e-02, -2.73437500e-01, -1.19628906e-01,
-4.17480469e-02, -9.81445312e-02, -2.47070312e-01,  4.02832031e-02,
-7.12890625e-02,  1.49414062e-01,  1.51367188e-01, -1.41601562e-01,
-1.93359375e-01, -1.43554688e-01, -2.08984375e-01,  2.06298828e-02,
 1.39648438e-01, -6.78710938e-02, -2.75390625e-01,  3.78417969e-02,
 2.14843750e-01,  3.73046875e-01, -2.85156250e-01, -1.76757812e-01,
 2.19726562e-01,  2.55126953e-02, -2.23632812e-01,  1.05957031e-01,
-6.71386719e-03,  1.37695312e-01, -1.72851562e-01, -2.13623047e-02,
 1.78710938e-01,  2.36328125e-01,  6.29882812e-02, -2.19726562e-0
```

```
2],
       dtype=float32),
 'credential': array([-1.96289062e-01, -3.53515625e-01,  9.32617188e-02,
2.36816406e-02,
         6.34765625e-02,  6.39648438e-02,  1.33789062e-01, -2.87109375e-01,
        -1.22070312e-02, -4.76562500e-01,  8.44726562e-02, -1.85546875e-01,
         1.07910156e-01, -9.17968750e-02, -3.14941406e-02,  2.98828125e-01,
         1.73828125e-01,  7.47070312e-02, -8.93554688e-02, -5.39062500e-01,
         1.18652344e-01,  1.27929688e-01, -4.41894531e-02,  2.52685547e-02,
        -5.95703125e-02, -2.10937500e-01, -8.78906250e-02,  2.12890625e-01,
        -3.63769531e-02,  1.18164062e-01,  4.29687500e-01,  3.19824219e-02,
        -2.22778320e-03, -2.47070312e-01,  3.20312500e-01, -1.24023438e-01,
         1.49414062e-01,  4.34570312e-02, -3.54003906e-02, -7.66601562e-02,
        -2.55859375e-01, -1.21582031e-01,  1.10351562e-01, -6.68945312e-02,
        -7.22656250e-02, -3.45703125e-01, -1.01562500e-01,  2.26562500e-01,
        -6.40869141e-04,  2.05078125e-01, -4.60937500e-01, -1.08886719e-01,
        -5.76171875e-02,  6.19888306e-05, -7.17773438e-02,  3.30078125e-01,
         5.00488281e-03, -1.50390625e-01,  1.04003906e-01, -2.24609375e-01,
         3.46679688e-02, -4.85839844e-02,  1.95312500e-01, -4.04296875e-01,
        -2.06054688e-01,  3.45703125e-01, -2.34375000e-01, -2.15820312e-01,
         1.21093750e-01, -1.29394531e-02,  1.04492188e-01,  1.50390625e-01,
         1.57226562e-01, -2.85156250e-01, -6.74438477e-03, -1.11328125e-01,
         1.25000000e-01,  1.34765625e-01,  3.80859375e-01,  2.69531250e-01,
        -3.34472656e-02,  4.32128906e-02, -8.00781250e-02,  2.29492188e-01,
         5.83496094e-02, -8.00781250e-02,  2.89062500e-01, -3.26171875e-01,
        -1.73828125e-01, -3.26171875e-01, -2.40234375e-01, -2.51953125e-01,
        -3.26171875e-01, -2.59765625e-01,  3.82812500e-01, -2.33398438e-01,
         5.39550781e-02,  4.31640625e-01,  3.85742188e-02, -3.08593750e-01,
        -2.37304688e-01, -3.64685059e-03, -1.91650391e-02,  1.21582031e-01,
         1.30859375e-01, -1.21582031e-01, -6.12792969e-02, -3.37890625e-01,
         3.16406250e-01, -4.12109375e-01, -1.42822266e-02, -7.61718750e-02,
        -5.76171875e-02,  1.95312500e-02, -1.20605469e-01,  3.86718750e-01,
         2.18750000e-01, -5.68847656e-02,  2.19726562e-01,  1.94091797e-02,
        -1.53320312e-01, -4.76074219e-02,  5.63964844e-02,  8.59375000e-02,
         2.81250000e-01,  7.22656250e-02,  2.57812500e-01,  5.39062500e-01,
        -1.64062500e-01,  1.30859375e-01,  2.12890625e-01, -4.90722656e-02,
        -1.76757812e-01, -1.20605469e-01,  1.04492188e-01,  2.86865234e-02,
        -2.53906250e-01,  2.53906250e-01, -1.92382812e-01,  5.46875000e-02,
        -4.33593750e-01, -2.33398438e-01,  1.47460938e-01, -1.04003906e-01,
        -5.55419922e-03, -9.66796875e-02,  2.08007812e-01,  2.07519531e-02,
        -1.37695312e-01, -3.51562500e-02,  1.26953125e-01,  2.06054688e-01,
         3.56445312e-02,  1.43554688e-01,  1.07421875e-01, -8.88671875e-02,
        -2.19726562e-01,  8.69140625e-02, -2.98828125e-01,  7.08007812e-02,
        -7.08007812e-02, -1.37695312e-01,  8.74023438e-02, -2.71606445e-03,
        -5.15625000e-01,  1.16699219e-01, -2.08984375e-01, -2.53906250e-01,
        -1.66992188e-01,  3.76953125e-01,  2.85156250e-01, -1.30462646e-03,
         1.40380859e-02, -1.69921875e-01, -1.08398438e-01, -3.22265625e-02,
         4.85229492e-03, -2.39257812e-01, -3.97949219e-02, -3.26171875e-01,
        -4.06250000e-01, -1.15234375e-01, -1.58203125e-01, -1.59912109e-02,
         8.54492188e-02,  3.34472656e-02, -3.04687500e-01, -3.22265625e-01,
         3.73046875e-01,  3.18359375e-01, -7.93457031e-03,  8.31604004e-04,
        -2.85156250e-01,  1.48437500e-01, -1.87500000e-01,  5.44433594e-02,
        -5.27343750e-02,  1.85546875e-02, -2.09960938e-01,  6.98242188e-02,
         1.74560547e-02,  5.70312500e-01,  9.66796875e-02,  1.13281250e-01,
        -1.57226562e-01, -4.02343750e-01, -1.22070312e-01, -1.28906250e-01,
         5.54687500e-01,  2.31445312e-01,  7.86132812e-02, -6.88476562e-02,
         7.71484375e-02, -8.34960938e-02,  1.21093750e-01,  3.04687500e-01,
        -1.84570312e-01,  3.14453125e-01, -1.50390625e-01, -8.54492188e-02,
        -1.34765625e-01, -9.27734375e-02, -2.20947266e-02, -5.22460938e-02,
         3.30078125e-01, -1.00097656e-01, -9.47265625e-02,  2.34375000e-01,
         2.11914062e-01, -3.57421875e-01, -1.72851562e-01,  2.30468750e-01,
         3.69140625e-01, -2.44140625e-01, -8.20312500e-02,  1.11816406e-01,
         1.49414062e-01,  9.91210938e-02,  1.23046875e-01,  2.71484375e-01,
        -1.45507812e-01, -4.76074219e-03, -2.22656250e-01, -1.78710938e-01,
```

```
         6.39648438e-02, -1.41601562e-01,  6.00585938e-02, -1.72851562e-01,
        -3.04687500e-01, -2.27539062e-01,  2.13867188e-01, -3.41796875e-01,
        -1.71875000e-01, -1.50146484e-02, -3.45703125e-01,  1.12304688e-01,
        -1.93359375e-01,  4.71191406e-02, -2.02148438e-01,  3.90625000e-02,
         1.90429688e-01,  1.59179688e-01,  8.54492188e-03, -9.52148438e-03,
         4.21875000e-01,  1.03515625e-01,  1.17675781e-01,  1.42578125e-01,
        -3.06640625e-01, -1.22558594e-01, -2.55859375e-01,  1.73828125e-01,
         1.80664062e-02,  2.91015625e-01,  1.06201172e-02,  9.61914062e-02,
         3.75976562e-02, -2.32421875e-01, -2.03125000e-01,  2.73437500e-01,
        -8.20312500e-02, -5.15136719e-02, -6.64062500e-02,  9.42382812e-02,
        -2.50000000e-01, -2.51464844e-02,  2.41699219e-02, -1.95312500e-01,
        -1.05468750e-01, -1.76757812e-01, -7.03125000e-02, -1.30615234e-02,
         2.06054688e-01, -3.63769531e-02,  1.18164062e-01, -2.57568359e-02,
         1.92382812e-01, -1.46484375e-01, -1.86523438e-01,  3.00781250e-0
1],
       dtype=float32),
 'prepare': array([-1.43554688e-01,  2.16796875e-01,  1.39160156e-02, -2.41
210938e-01,
         3.41796875e-02,  8.49609375e-02, -2.06054688e-01, -1.43432617e-02,
         2.56347656e-02, -1.62109375e-01, -1.97753906e-02,  6.17675781e-02,
         1.40625000e-01,  3.00781250e-01, -3.02734375e-02,  3.33984375e-01,
        -1.14257812e-01,  1.45507812e-01,  1.75781250e-01, -1.47460938e-01,
         1.04003906e-01,  9.22851562e-02,  1.51977539e-02,  3.61633301e-03,
         1.43554688e-01, -4.24194336e-03,  2.63671875e-01, -2.43164062e-01,
        -6.54296875e-02,  2.81250000e-01,  2.17773438e-01,  2.55859375e-01,
        -1.44958496e-03, -1.27929688e-01, -1.11328125e-01,  3.90625000e-02,
        -3.88183594e-02, -5.07812500e-02,  1.36718750e-01,  1.02050781e-01,
        -1.46484375e-02, -9.66796875e-02,  1.50390625e-01, -4.56542969e-02,
        -7.71484375e-02, -2.71484375e-01, -2.51953125e-01, -1.17797852e-02,
        -1.33789062e-01,  2.85156250e-01, -2.28515625e-01, -9.32617188e-02,
        -1.65039062e-01,  9.42382812e-02, -3.35937500e-01,  1.35742188e-01,
        -8.39843750e-02, -3.33984375e-01,  2.60009766e-02, -1.56250000e-02,
        -2.77343750e-01, -2.39257812e-01, -8.25195312e-02, -5.54199219e-02,
         3.10546875e-01,  8.74023438e-02,  7.76367188e-02, -5.05371094e-02,
        -3.95507812e-02, -5.15136719e-02,  8.15429688e-02,  1.34765625e-01,
         2.67578125e-01,  1.65039062e-01,  6.03027344e-02, -3.67187500e-01,
         3.01513672e-02,  2.41088867e-03, -2.89062500e-01,  8.54492188e-02,
         1.66015625e-01, -1.12792969e-01, -2.35351562e-01,  4.05273438e-02,
         9.66796875e-02, -3.90625000e-02, -5.37109375e-02,  8.44726562e-02,
         7.22656250e-02,  1.59179688e-01,  1.25000000e-01, -2.33398438e-01,
        -1.09863281e-01, -3.12500000e-01,  1.88476562e-01, -2.77343750e-01,
         7.95898438e-02, -4.36401367e-03,  7.61718750e-02,  2.90527344e-02,
        -1.43554688e-01, -2.31445312e-01,  1.35742188e-01,  1.21093750e-01,
        -1.04003906e-01, -2.73437500e-01, -5.39550781e-02,  2.67333984e-02,
         8.49609375e-02,  1.54296875e-01, -7.32421875e-02,  1.58691406e-02,
         1.07574463e-03, -2.34375000e-02, -6.25000000e-02,  1.65039062e-01,
         3.63281250e-01,  2.26562500e-01, -4.49218750e-02,  3.83300781e-02,
        -1.04980469e-01, -1.86523438e-01,  1.24511719e-01,  5.76171875e-02,
        -6.74438477e-03,  1.74804688e-01, -1.45507812e-01, -1.84570312e-01,
         3.29971313e-04,  2.10937500e-01,  6.64062500e-02,  4.41894531e-02,
        -2.14843750e-01,  1.03515625e-01, -4.19921875e-02, -4.49218750e-02,
         4.76074219e-02,  5.49316406e-02,  7.87353516e-03,  1.44531250e-01,
         6.88476562e-02,  3.73840332e-03,  1.36718750e-02, -2.13867188e-01,
         3.00292969e-02, -4.46777344e-02, -2.24609375e-02, -3.46679688e-02,
        -2.40234375e-01, -5.49316406e-02, -1.34765625e-01,  3.93066406e-02,
         8.05664062e-02, -1.10839844e-01, -2.79541016e-02, -1.16577148e-02,
         2.28515625e-01, -2.05078125e-01, -1.54296875e-01, -6.49414062e-02,
         9.71679688e-02, -1.02050781e-01, -1.26342773e-02, -1.13769531e-01,
         3.39843750e-01, -1.18408203e-02,  1.66992188e-01,  1.45263672e-02,
         2.63671875e-01, -1.22070312e-01, -1.11328125e-01, -1.19628906e-01,
        -1.25000000e-01,  1.91406250e-01,  2.49023438e-01,  1.09863281e-01,
         2.29492188e-01, -2.77099609e-02, -9.17968750e-02,  2.98828125e-01,
        -5.90820312e-02, -1.61132812e-01,  4.32128906e-02, -2.97851562e-02,
        -3.24218750e-01, -2.02148438e-01,  1.83105469e-02, -1.74804688e-01,
```

```
         2.37304688e-01,  7.32421875e-02,  4.44335938e-02,  4.12597656e-02,
         1.43554688e-01, -8.15429688e-02, -1.93359375e-01, -1.51367188e-01,
         2.96875000e-01, -1.01562500e-01, -2.15820312e-01, -2.29492188e-01,
         1.51367188e-01,  3.49121094e-02, -1.72851562e-01,  5.07812500e-02,
        -4.71191406e-02, -2.61718750e-01, -2.97851562e-02, -1.21582031e-01,
         2.08984375e-01, -2.24609375e-01,  1.15722656e-01,  2.31445312e-01,
         6.22558594e-02, -1.80664062e-01, -1.93359375e-01, -1.08398438e-01,
         6.39648438e-02, -4.51660156e-02, -1.07421875e-01, -2.09960938e-01,
         1.00585938e-01, -1.26953125e-01, -1.66015625e-01,  9.81445312e-02,
         1.56250000e-01, -1.97265625e-01, -2.06054688e-01, -6.93359375e-02,
         7.17773438e-02,  1.06933594e-01, -1.20849609e-02, -1.04980469e-01,
         1.73828125e-01, -2.24609375e-02,  3.47656250e-01, -8.54492188e-02,
         6.64062500e-02, -2.18750000e-01, -5.22460938e-02, -1.96289062e-01,
        -7.17773438e-02,  2.26562500e-01, -1.78710938e-01,  5.05371094e-02,
        -1.79687500e-01, -1.59179688e-01, -1.66992188e-01, -3.05175781e-02,
        -9.13085938e-02, -8.64257812e-02,  1.38549805e-02,  3.12500000e-01,
         7.32421875e-02,  4.85839844e-02, -9.27734375e-02, -6.17675781e-02,
        -1.40625000e-01, -1.01074219e-01, -1.83593750e-01, -1.21582031e-01,
        -2.87109375e-01,  3.97949219e-02, -4.58984375e-02, -1.98242188e-01,
         2.20703125e-01,  1.64062500e-01,  1.33789062e-01,  1.95312500e-01,
        -9.32617188e-02, -2.42919922e-02,  2.61718750e-01,  2.50000000e-01,
         2.91015625e-01,  1.78710938e-01,  1.08398438e-01, -1.62109375e-01,
        -2.05078125e-02,  4.07714844e-02,  6.73828125e-02, -1.47460938e-01,
         3.06396484e-02, -5.46875000e-02, -2.51464844e-02,  2.04101562e-01,
        -3.83300781e-02,  8.44726562e-02, -2.17773438e-01,  2.11914062e-01,
        -5.76782227e-03,  2.87109375e-01, -3.24218750e-01, -2.01171875e-01,
        -2.98828125e-01,  6.39648438e-02, -3.27148438e-02, -1.08398438e-01,
        -1.43554688e-01, -4.66308594e-02,  4.24804688e-02, -1.80664062e-0
2],
       dtype=float32),
 'biannual': array([ 2.84423828e-02,  1.05957031e-01, -6.34765625e-02,  5.6
8847656e-02,
         3.05175781e-02, -2.24609375e-01,  2.40478516e-02, -1.73828125e-01,
         4.68750000e-02,  2.39257812e-01, -4.12597656e-02, -1.92382812e-01,
         2.51953125e-01,  3.18359375e-01,  3.83300781e-02,  5.83496094e-02,
         5.76171875e-02,  6.22558594e-02, -1.67968750e-01,  5.00488281e-02,
         8.88671875e-02, -4.66918945e-03, -3.26171875e-01,  1.78710938e-01,
        -1.50390625e-01, -1.03515625e-01,  1.83593750e-01,  4.76562500e-01,
        -8.88671875e-02, -7.17773438e-02, -6.12792969e-02, -8.88671875e-02,
         8.20312500e-02, -1.27929688e-01,  2.19726562e-01,  4.29687500e-02,
        -1.04492188e-01, -3.43750000e-01,  2.06054688e-01, -3.16406250e-01,
        -5.29785156e-02, -1.04003906e-01,  3.32031250e-02,  1.22558594e-01,
        -1.65039062e-01, -7.61718750e-02, -5.22460938e-02, -1.45507812e-01,
        -3.20312500e-01,  5.07812500e-01, -9.03320312e-02, -5.90820312e-02,
        -1.76757812e-01,  1.41601562e-01, -2.59765625e-01,  2.96875000e-01,
        -9.08203125e-02, -1.79687500e-01,  1.64062500e-01, -9.32617188e-02,
         1.69921875e-01, -2.01416016e-03,  5.37109375e-02, -1.12304688e-01,
         1.74804688e-01, -6.71386719e-03, -9.46044922e-03,  1.20605469e-01,
        -9.76562500e-03,  5.51757812e-02, -9.17968750e-02, -1.22558594e-01,
         5.37109375e-02,  1.01074219e-01, -3.83300781e-02,  8.78906250e-02,
        -1.84570312e-01,  1.12792969e-01,  1.47460938e-01,  4.63867188e-02,
         1.27929688e-01, -4.78515625e-01, -1.54296875e-01,  1.17675781e-01,
        -2.61718750e-01,  6.39648438e-02, -5.56640625e-02, -4.07714844e-02,
         2.37304688e-01,  2.16796875e-01, -2.14843750e-02, -3.82812500e-01,
         7.76367188e-02, -5.03906250e-01, -1.24511719e-01,  8.93554688e-02,
         3.19824219e-02, -2.75390625e-01,  9.32617188e-02, -2.27539062e-01,
         1.21093750e-01, -8.93554688e-02, -1.54296875e-01, -1.84326172e-02,
        -3.28125000e-01, -8.00781250e-02, -1.30859375e-01,  9.37500000e-02,
        -2.34375000e-02, -2.11914062e-01,  7.91015625e-02, -1.02050781e-01,
        -6.22558594e-03,  1.94335938e-01,  1.56250000e-01,  2.05078125e-01,
         3.94531250e-01,  3.02734375e-02,  3.08593750e-01,  1.48437500e-01,
        -6.64062500e-02, -1.96289062e-01, -5.52368164e-03,  1.16699219e-01,
         2.38281250e-01,  2.39257812e-01, -1.25976562e-01, -7.91015625e-02,
         3.01513672e-02, -9.37500000e-02,  3.19824219e-02, -6.49414062e-02,
```

```
         8.10546875e-02,  1.96289062e-01, -3.39843750e-01, -6.25000000e-02,
         1.85546875e-02,  1.19140625e-01, -1.64062500e-01,  1.27929688e-01,
         7.51953125e-02,  9.42382812e-02,  2.00195312e-02, -1.42578125e-01,
        -1.23046875e-01, -1.07421875e-01,  1.11328125e-01,  5.61523438e-02,
        -5.95092773e-03, -5.46875000e-02, -1.08886719e-01,  2.66113281e-02,
         7.61718750e-02,  2.05078125e-01,  3.26171875e-01, -3.37890625e-01,
         1.86767578e-02,  2.53906250e-02, -2.00195312e-02, -6.05468750e-02,
         6.68945312e-02,  8.49609375e-02, -1.28906250e-01, -2.46093750e-01,
         2.98828125e-01,  2.29492188e-01,  3.30078125e-01, -2.55859375e-01,
         2.19726562e-01,  1.61743164e-03,  1.93359375e-01, -4.57763672e-03,
         1.44531250e-01, -1.20117188e-01, -1.05590820e-02, -1.01562500e-01,
         1.22558594e-01, -3.14453125e-01,  1.12304688e-01,  7.32421875e-02,
        -2.40478516e-02, -2.12890625e-01,  1.22070312e-01,  5.71289062e-02,
         1.02050781e-01,  2.13867188e-01,  2.83203125e-01, -7.12890625e-02,
         3.97949219e-02,  5.81054688e-02,  2.08984375e-01, -1.38671875e-01,
        -7.91015625e-02,  3.87573242e-03, -3.20312500e-01, -1.59179688e-01,
         1.38671875e-01,  9.17968750e-02, -2.36328125e-01, -2.01416016e-02,
        -1.17187500e-01,  2.68936157e-04, -3.97949219e-02,  3.56445312e-02,
         1.87500000e-01, -3.71093750e-02,  1.76757812e-01,  8.74023438e-02,
        -4.66308594e-02,  3.39355469e-02,  1.62353516e-02,  2.00195312e-01,
        -4.88281250e-02,  3.97949219e-02, -1.58203125e-01,  2.56347656e-02,
         1.00708008e-02,  2.00195312e-01,  2.23632812e-01,  1.41601562e-01,
        -2.07519531e-02,  1.37695312e-01, -9.71679688e-02, -1.20605469e-01,
        -2.21679688e-01,  5.24902344e-02, -1.45874023e-02,  1.26953125e-01,
         1.08886719e-01, -1.64794922e-02, -3.73535156e-02,  1.49414062e-01,
         1.40625000e-01,  1.51367188e-01,  1.09375000e-01, -3.02734375e-02,
        -7.32421875e-02,  8.05664062e-03, -3.37219238e-03, -1.66015625e-01,
         1.20605469e-01, -2.26562500e-01, -2.17773438e-01, -1.72119141e-02,
        -3.89099121e-03, -9.22851562e-02,  1.45263672e-02, -4.76562500e-01,
        -4.63867188e-03, -1.60156250e-01, -4.31640625e-01,  6.68945312e-02,
        -7.71484375e-02, -4.06250000e-01,  1.58691406e-02,  4.56542969e-02,
         1.19140625e-01, -9.42382812e-02,  5.44433594e-02,  3.69140625e-01,
         1.26953125e-01,  4.27246094e-02,  1.73828125e-01, -1.73828125e-01,
         1.50390625e-01,  2.55126953e-02, -3.06640625e-01,  1.52343750e-01,
         1.50390625e-01,  2.09960938e-01,  1.06933594e-01,  3.08593750e-01,
        -1.19140625e-01,  2.05078125e-02,  2.69531250e-01, -2.71484375e-01,
        -2.89062500e-01, -1.47460938e-01, -1.22558594e-01,  6.39648438e-02,
         8.10546875e-02, -7.42187500e-02, -2.84423828e-02,  2.41210938e-01,
         2.65625000e-01,  1.05957031e-01, -2.96630859e-02, -1.72851562e-01,
         1.77001953e-02,  5.67626953e-03,  3.17382812e-02, -1.32812500e-01,
         1.82617188e-01,  2.92968750e-01, -1.00097656e-01, -1.89453125e-01,
        -1.22070312e-01,  2.25585938e-01, -4.63867188e-03, -2.23632812e-0
1],
       dtype=float32),
 'quarterly': array([-0.27929688, -0.07373047, -0.09521484,  0.265625  ,
0.12207031,
        -0.3046875 ,  0.00982666, -0.0279541 ,  0.40429688,  0.33007812,
        -0.16894531,  0.08300781,  0.33007812,  0.14160156, -0.01965332,
         0.10839844, -0.00372314, -0.23242188,  0.125     ,  0.01177979,
         0.08007812,  0.0559082 , -0.328125  , -0.15332031,  0.12402344,
        -0.01000977,  0.12304688,  0.15527344, -0.06054688, -0.1328125 ,
         0.06591797, -0.04248047, -0.06933594, -0.21972656,  0.09472656,
        -0.04370117, -0.08837891, -0.06591797,  0.171875  ,  0.23144531,
         0.13964844,  0.0201416 ,  0.32617188,  0.16601562,  0.24414062,
        -0.15527344,  0.171875  ,  0.07666016, -0.27734375,  0.21582031,
         0.29296875, -0.17285156, -0.05273438,  0.37109375,  0.14648438,
         0.13769531,  0.06835938, -0.03686523,  0.609375  , -0.12792969,
         0.05126953, -0.06787109, -0.32421875,  0.15039062,  0.23632812,
         0.15136719, -0.01635742, -0.07617188,  0.30859375, -0.17675781,
         0.07519531, -0.21386719,  0.31640625,  0.04736328, -0.08691406,
         0.32226562,  0.41992188,  0.12695312,  0.00762939,  0.01855469,
        -0.2578125 , -0.328125  , -0.18261719, -0.0279541 ,  0.06787109,
         0.09082031,  0.00405884, -0.09082031, -0.01239014, -0.19140625,
         0.16308594, -0.16308594,  0.24121094, -0.06689453, -0.15917969,
```

```
        -0.33007812,  0.10009766, -0.06152344,  0.2421875 , -0.06933594,
         0.3359375 , -0.24023438,  0.09082031,  0.14160156,  0.20800781,
        -0.14160156, -0.05957031,  0.49609375,  0.12158203, -0.13671875,
        -0.0201416 , -0.16796875, -0.05151367,  0.11816406,  0.05981445,
        -0.10205078,  0.07226562, -0.04125977,  0.421875  ,  0.21386719,
         0.02416992, -0.00102997, -0.31835938,  0.07421875,  0.34960938,
         0.3359375 , -0.28125   ,  0.0222168 ,  0.11328125,  0.04394531,
        -0.22753906, -0.203125  ,  0.06176758, -0.08447266,  0.08154297,
         0.31640625,  0.09667969,  0.0859375 , -0.10400391,  0.13964844,
         0.2578125 , -0.04541016, -0.25      , -0.03979492, -0.06494141,
        -0.234375  ,  0.24414062,  0.07910156, -0.07958984,  0.32617188,
        -0.14355469, -0.11279297, -0.27929688, -0.06176758,  0.09277344,
        -0.04199219, -0.02062988,  0.12109375, -0.22363281, -0.09863281,
         0.1875    , -0.0088501 , -0.16015625,  0.08984375, -0.05981445,
         0.07470703,  0.05493164, -0.19726562,  0.16699219, -0.15039062,
         0.15527344, -0.26367188, -0.03051758, -0.02331543,  0.07714844,
        -0.37304688,  0.46679688, -0.1015625 , -0.06787109, -0.36328125,
        -0.32421875, -0.08789062,  0.04321289,  0.04223633,  0.13476562,
         0.03417969,  0.04003906,  0.03417969,  0.12207031,  0.09863281,
         0.26953125, -0.10351562, -0.49414062, -0.44335938, -0.15625   ,
        -0.19824219, -0.12158203, -0.16894531,  0.02270508, -0.18066406,
        -0.20703125,  0.09863281,  0.24023438, -0.05615234,  0.19042969,
         0.05517578, -0.05126953,  0.15039062, -0.08154297, -0.14648438,
        -0.04394531,  0.16113281, -0.10498047,  0.421875  , -0.30078125,
         0.09375   ,  0.10058594,  0.02697754, -0.12890625, -0.01904297,
        -0.03039551,  0.3984375 , -0.09814453,  0.00436401, -0.41210938,
        -0.3984375 , -0.05297852, -0.06030273,  0.19335938, -0.19628906,
        -0.125     ,  0.2734375 ,  0.17285156,  0.07421875,  0.13964844,
         0.21679688,  0.34765625, -0.33203125, -0.02526855, -0.03686523,
         0.45507812, -0.33789062,  0.02124023,  0.01513672,  0.10742188,
        -0.03662109, -0.17382812, -0.14550781,  0.12207031, -0.13574219,
        -0.31445312, -0.12792969, -0.18945312, -0.30078125,  0.07714844,
        -0.05932617,  0.09765625, -0.4375    ,  0.01745605,  0.24609375,
         0.25      ,  0.07128906,  0.21386719,  0.14160156, -0.14355469,
        -0.0612793 , -0.11083984, -0.08056641,  0.03540039,  0.09960938,
         0.1875    ,  0.20117188,  0.04858398, -0.18457031,  0.11376953,
         0.13476562, -0.29492188, -0.05957031, -0.01245117, -0.11376953,
        -0.01708984, -0.14453125,  0.03540039,  0.14453125,  0.3203125 ,
        -0.140625  ,  0.28710938,  0.05053711,  0.12890625,  0.30273438,
        -0.03710938, -0.03491211, -0.37109375, -0.02648926,  0.03295898,
        -0.12109375, -0.20019531,  0.10595703,  0.11962891, -0.36914062],
       dtype=float32),
 'progress': array([-1.25000000e-01,  1.84570312e-01, -7.29370117e-03, -5.3
7109375e-02,
        -2.27539062e-01, -7.76367188e-02, -6.25000000e-02, -2.73437500e-01,
         2.43164062e-01,  2.73437500e-01, -2.89062500e-01, -1.32812500e-01,
         1.98242188e-01,  1.04980469e-01, -2.33398438e-01, -1.42578125e-01,
         1.02539062e-01, -9.08203125e-02, -3.10058594e-02, -3.16406250e-01,
        -1.69921875e-01,  2.81250000e-01, -9.66796875e-02,  3.14453125e-01,
         2.51953125e-01,  2.96875000e-01, -8.54492188e-02, -3.82812500e-01,
        -4.29687500e-02,  2.55859375e-01, -1.47460938e-01, -3.61328125e-01,
        -1.54418945e-02, -4.39453125e-01,  5.20019531e-02,  3.17382812e-02,
         1.28906250e-01,  2.11914062e-01,  1.06201172e-02, -1.43554688e-01,
         6.64062500e-02,  2.13867188e-01, -1.55273438e-01,  3.32031250e-01,
        -4.63867188e-02, -5.07812500e-02, -1.53320312e-01,  1.08642578e-02,
        -2.69531250e-01, -1.37695312e-01,  3.49609375e-01, -2.01416016e-02,
        -3.22265625e-02,  2.01416016e-02,  1.18164062e-01, -9.22851562e-02,
        -3.80859375e-02, -2.71484375e-01,  5.39550781e-02, -4.39453125e-02,
        -1.28906250e-01,  2.26562500e-01, -6.98242188e-02, -1.99218750e-01,
        -8.00781250e-02, -6.64062500e-02,  7.42187500e-02,  2.63671875e-02,
        -2.96875000e-01,  5.93261719e-02, -2.50000000e-01,  1.54876709e-03,
        -8.93554688e-02,  2.88085938e-02,  6.59179688e-02,  1.11694336e-02,
         1.71875000e-01,  4.49218750e-02, -6.29882812e-02,  2.29492188e-01,
         3.05175781e-04,  1.15722656e-01, -1.11083984e-02, -1.37695312e-01,
```

```
         4.41406250e-01, -2.51953125e-01, -2.60009766e-02, -1.24511719e-01,
         1.02539062e-01,  1.82617188e-01,  1.13281250e-01, -3.41796875e-01,
         2.91015625e-01, -3.20312500e-01,  1.34765625e-01, -1.17187500e-01,
         8.74023438e-02, -3.85742188e-02, -2.13623047e-02, -2.67578125e-01,
         1.28906250e-01,  5.78613281e-02,  2.51953125e-01,  1.60156250e-01,
         1.45507812e-01,  1.38671875e-01, -1.46484375e-01, -7.71484375e-02,
         2.06298828e-02,  8.30078125e-03,  1.50390625e-01, -1.12304688e-02,
         1.58691406e-02, -8.78906250e-02, -2.00195312e-01, -4.83398438e-02,
        -4.46777344e-02, -1.99218750e-01,  1.84570312e-01,  2.13867188e-01,
        -1.59179688e-01,  2.03125000e-01,  3.80859375e-02, -8.85009766e-03,
        -1.73828125e-01,  1.91406250e-01, -1.33789062e-01,  4.39453125e-02,
        -3.43750000e-01,  2.28515625e-01, -1.76757812e-01, -7.08007812e-03,
         3.61328125e-02, -6.05468750e-02, -9.46044922e-03,  7.86132812e-02,
         1.05468750e-01,  7.86132812e-02, -1.67236328e-02,  3.12500000e-01,
         1.00585938e-01, -8.30078125e-02, -1.11328125e-01,  1.58203125e-01,
        -1.59912109e-02,  8.49609375e-02,  5.32226562e-02, -1.35742188e-01,
         1.80664062e-01,  2.73437500e-02, -1.10839844e-01,  3.58886719e-02,
        -3.46679688e-02,  1.92382812e-01, -9.94873047e-03,  1.42578125e-01,
         4.56542969e-02, -1.64062500e-01, -5.95703125e-02, -5.71289062e-02,
         1.48437500e-01,  1.08886719e-01, -1.39648438e-01,  9.17968750e-02,
        -1.94335938e-01, -3.57421875e-01,  6.25000000e-02, -3.12500000e-01,
         2.75390625e-01,  6.93359375e-02,  1.21093750e-01,  3.46679688e-02,
        -5.07812500e-02, -8.15429688e-02,  1.04492188e-01,  8.44726562e-02,
        -1.67968750e-01, -6.34765625e-02,  2.26562500e-01,  1.15234375e-01,
        -1.68945312e-01, -1.71875000e-01,  1.76757812e-01,  9.57031250e-02,
        -2.91748047e-02,  2.09960938e-01,  4.05273438e-02,  2.40234375e-01,
        -1.15234375e-01, -1.07910156e-01, -1.72851562e-01, -6.92749023e-03,
        -3.12500000e-01, -1.28906250e-01,  5.92041016e-03, -6.80541992e-03,
         1.51367188e-01,  1.30859375e-01,  1.13769531e-01, -1.83593750e-01,
        -5.76171875e-02,  1.97265625e-01,  8.69140625e-02, -6.88476562e-02,
         1.40625000e-01, -2.11914062e-01, -2.17285156e-02, -1.36718750e-01,
         5.39550781e-02,  1.92382812e-01,  2.78320312e-02,  2.39257812e-01,
        -2.83203125e-01,  6.49414062e-02, -4.15039062e-02,  2.78320312e-02,
        -6.44531250e-02, -9.46044922e-03,  8.25195312e-02,  1.75781250e-01,
        -1.91650391e-02, -7.47070312e-02, -1.53320312e-01,  1.70898438e-01,
         6.89697266e-03,  2.27050781e-02,  1.87500000e-01,  8.49609375e-02,
        -1.01074219e-01, -8.15429688e-02,  3.27148438e-02,  1.49414062e-01,
        -6.44531250e-02,  1.19628906e-01,  9.52148438e-02, -2.33398438e-01,
        -2.69531250e-01,  1.66015625e-02,  3.75000000e-01, -2.02636719e-02,
         2.59765625e-01,  1.59179688e-01,  1.22070312e-01,  6.49414062e-02,
        -8.15429688e-02,  1.66015625e-01,  1.95312500e-01,  7.17773438e-02,
         8.44726562e-02,  8.54492188e-02, -3.75976562e-02,  9.03320312e-02,
         6.59179688e-02, -2.68554688e-03,  6.77490234e-03,  2.40478516e-02,
         2.59765625e-01, -1.78710938e-01, -1.36718750e-01,  8.88671875e-02,
         2.47070312e-01,  4.29687500e-02,  1.00585938e-01,  1.71875000e-01,
         2.30468750e-01,  1.36718750e-01,  4.58984375e-02, -1.80664062e-01,
        -2.51953125e-01, -3.22265625e-02,  1.43554688e-01,  2.85156250e-01,
         6.98242188e-02,  7.61718750e-02,  5.32226562e-02, -6.88476562e-02,
        -1.45507812e-01, -2.77343750e-01, -1.34765625e-01, -2.17773438e-01,
         3.71093750e-01,  1.18652344e-01,  2.34375000e-01,  3.98437500e-01,
        -1.32812500e-01, -1.98242188e-01, -8.88671875e-02,  1.62109375e-01,
         1.30859375e-01,  1.84570312e-01, -1.59179688e-01, -8.15429688e-02,
         5.76171875e-02, -1.60156250e-01, -1.10351562e-01,  9.76562500e-02,
         6.00585938e-02,  2.46093750e-01,  2.79541016e-02, -2.35351562e-0
1],
       dtype=float32),
 'report': array([-1.42578125e-01, -1.64062500e-01, -9.03320312e-02, -1.123
04688e-01,
         1.00097656e-01, -4.12597656e-02,  4.88281250e-02, -1.36718750e-01,
         1.96289062e-01, -1.34765625e-01, -1.75781250e-02,  3.22265625e-02,
         9.52148438e-02, -1.05957031e-01, -1.69921875e-01,  4.10156250e-02,
        -2.63671875e-01, -6.31713867e-03, -1.77734375e-01, -2.40234375e-01,
         3.51562500e-01, -1.22070312e-02, -1.62109375e-01, -1.20605469e-01,
         4.32128906e-02,  1.09863281e-01,  5.24902344e-02,  1.78710938e-01,
```

```
-1.45507812e-01,  1.37695312e-01, -8.20312500e-02, -2.83203125e-01,
-1.08886719e-01, -2.89062500e-01,  7.22656250e-02, -4.73632812e-02,
 4.02832031e-02,  6.78710938e-02,  1.16699219e-01,  8.31604004e-04,
 6.83593750e-02,  1.20117188e-01, -8.83789062e-02,  3.37890625e-01,
-4.46777344e-02, -3.01513672e-02,  7.69042969e-03, -2.11181641e-02,
-2.53906250e-01,  1.49414062e-01,  3.98437500e-01,  2.16064453e-02,
-2.31933594e-02,  6.34765625e-03,  8.23974609e-03, -1.68945312e-01,
 3.73535156e-02, -6.34765625e-02,  1.17187500e-01, -1.48437500e-01,
-7.86132812e-02,  3.69140625e-01, -2.24609375e-01,  1.73828125e-01,
 1.38549805e-02,  1.87500000e-01, -1.01074219e-01,  3.78417969e-02,
 2.12097168e-03, -5.12695312e-02,  9.61914062e-02, -5.71289062e-02,
 1.05957031e-01, -2.09960938e-02,  1.61132812e-01,  9.76562500e-02,
 3.83300781e-02,  2.19726562e-01,  1.06445312e-01,  8.59375000e-02,
 1.79687500e-01, -8.30078125e-02, -3.32031250e-02,  4.10156250e-02,
-6.49414062e-02,  1.98974609e-02,  1.33789062e-01, -9.76562500e-02,
-1.93359375e-01, -2.35351562e-01,  1.90429688e-01,  2.48718262e-03,
-1.57470703e-02,  3.22265625e-02, -2.19726562e-01, -9.13085938e-02,
 2.12402344e-02,  1.58203125e-01,  2.98828125e-01, -3.28125000e-01,
 5.73730469e-02, -4.63867188e-02,  1.13281250e-01, -1.01562500e-01,
 1.80664062e-01, -2.51464844e-02, -1.66015625e-01, -9.61914062e-02,
 1.87988281e-02, -1.94335938e-01,  1.49414062e-01, -5.66406250e-02,
-1.06933594e-01, -1.50390625e-01, -1.75781250e-01,  1.12792969e-01,
 4.93164062e-02,  2.19726562e-01,  3.18359375e-01,  1.57226562e-01,
-2.92968750e-01,  1.04980469e-01, -2.96875000e-01, -1.34277344e-02,
 9.08203125e-02,  1.25732422e-02, -5.15136719e-02, -1.28906250e-01,
 1.44653320e-02,  1.20605469e-01, -1.01074219e-01, -1.11328125e-01,
 6.39648438e-02, -5.29785156e-02, -4.32128906e-02, -1.29394531e-02,
-2.75878906e-02, -9.71679688e-02, -2.02148438e-01,  1.23046875e-01,
-4.24804688e-02,  1.73828125e-01, -1.36718750e-02,  1.01562500e-01,
-9.38415527e-04, -3.56445312e-02,  3.00781250e-01, -6.83593750e-02,
-5.61523438e-02,  3.75976562e-02,  6.59179688e-02,  4.02832031e-02,
 1.19018555e-02,  9.61914062e-02,  3.67187500e-01, -2.79296875e-01,
-5.20019531e-02, -1.06933594e-01, -1.34765625e-01, -4.61425781e-02,
 2.50000000e-01,  5.67626953e-03, -1.44042969e-02, -3.10058594e-02,
-6.03027344e-02,  1.05957031e-01,  3.78906250e-01,  5.88378906e-02,
 1.23046875e-01, -1.15234375e-01,  1.49414062e-01, -1.64062500e-01,
-2.33398438e-01, -7.76367188e-02,  2.67333984e-02, -2.11181641e-02,
 1.94335938e-01, -5.61523438e-02, -6.43920898e-03, -1.69921875e-01,
-1.18652344e-01, -6.73828125e-02, -6.88476562e-02, -8.69140625e-02,
-1.01562500e-01,  1.41601562e-02, -2.01171875e-01,  9.81445312e-02,
-1.02539062e-02,  1.87500000e-01,  1.96289062e-01, -2.20703125e-01,
-1.96289062e-01, -7.37304688e-02,  6.64062500e-02, -1.33789062e-01,
 1.83593750e-01, -2.00195312e-01,  1.98242188e-01,  5.02929688e-02,
 2.99072266e-02,  1.77001953e-02, -1.93359375e-01, -9.61914062e-02,
-1.02539062e-01,  2.12890625e-01, -2.99072266e-02,  1.43554688e-01,
 4.10156250e-02, -2.11914062e-01,  2.08007812e-01,  1.37695312e-01,
-1.96533203e-02,  1.49536133e-02, -9.76562500e-02,  2.43164062e-01,
 8.00781250e-02,  8.25195312e-02,  9.86328125e-02,  5.68847656e-02,
 4.24804688e-02,  6.88476562e-02, -3.54003906e-02, -7.61718750e-02,
-1.61170959e-04, -7.51953125e-02,  2.24609375e-01,  1.51367188e-01,
 1.00585938e-01,  1.09863281e-01,  2.38037109e-02,  8.83789062e-02,
 6.17675781e-02, -1.07910156e-01,  6.22558594e-02,  3.43322754e-03,
 8.05664062e-02,  1.06933594e-01,  8.88671875e-02, -2.37304688e-01,
 6.49414062e-02,  1.01928711e-02, -8.83789062e-02, -3.32031250e-01,
 4.66918945e-03,  2.12890625e-01,  8.59375000e-02,  2.03857422e-02,
 4.56542969e-02,  1.48437500e-01,  1.18164062e-01,  5.56640625e-02,
-1.72851562e-01, -1.25000000e-01, -2.53906250e-02, -3.18359375e-01,
 3.11279297e-02,  8.59375000e-02, -4.19921875e-02,  1.56250000e-01,
 1.61132812e-01,  1.98242188e-01, -1.00097656e-01,  2.03125000e-01,
 1.28906250e-01,  2.33398438e-01, -2.67578125e-01,  5.51757812e-02,
 4.88281250e-02,  7.22656250e-02,  2.44140625e-01,  2.44140625e-01,
 5.68847656e-02, -5.46875000e-02, -3.36914062e-02, -1.20605469e-01,
 3.49121094e-02, -1.45507812e-01,  8.74023438e-02, -8.30078125e-02,
 1.72119141e-02,  1.43554688e-01, -1.22558594e-01,  1.79687500e-01,
```

```
         1.30859375e-01, -1.65039062e-01,  1.27563477e-02,  1.60156250e-01,
        -3.11279297e-02,  8.20312500e-02,  1.73828125e-01, -1.67968750e-01,
         1.30859375e-01,  8.54492188e-02, -2.10937500e-01, -1.30859375e-01,
        -2.89306641e-02, -1.05468750e-01,  8.44726562e-02, -1.41601562e-0
1],
       dtype=float32),
 'various': array([ 3.49121094e-02,  4.27246094e-02, -1.45507812e-01,  3.58
886719e-02,
         1.32560730e-04, -8.64257812e-02, -5.73730469e-02,  1.34765625e-01,
         7.27539062e-02, -1.00097656e-01, -4.88281250e-02, -1.38671875e-01,
        -1.25000000e-01,  2.67578125e-01, -3.75000000e-01,  4.58984375e-02,
        -2.17773438e-01,  2.50000000e-01, -2.53906250e-01,  8.48388672e-03,
        -5.51757812e-02, -6.34765625e-02, -2.41210938e-01, -6.29882812e-02,
        -5.46875000e-02,  5.90820312e-02, -2.27539062e-01, -6.83593750e-02,
         2.47192383e-03, -1.62109375e-01, -1.92382812e-01, -2.00195312e-01,
         7.03125000e-02,  5.54199219e-02, -1.25000000e-01, -1.15234375e-01,
         1.36718750e-01, -2.57812500e-01,  2.16064453e-02, -1.79687500e-01,
         2.92968750e-01, -1.81884766e-02, -7.22656250e-02, -3.76892090e-03,
        -1.01074219e-01, -6.25000000e-02, -1.15722656e-01, -7.76367188e-02,
        -6.68945312e-02,  1.93023682e-03,  9.47265625e-02,  1.93359375e-01,
        -1.66015625e-01,  8.25195312e-02, -2.79296875e-01,  6.34765625e-02,
         3.02734375e-02, -2.79296875e-01,  2.05078125e-01,  4.51660156e-02,
        -1.40625000e-01,  1.89453125e-01,  1.01562500e-01, -2.57568359e-02,
         7.47070312e-02, -9.81445312e-02, -1.64062500e-01,  2.12890625e-01,
         4.88281250e-02,  6.92749023e-03,  2.67333984e-02,  4.15039062e-02,
         1.42578125e-01,  1.14257812e-01, -9.08203125e-02, -4.33349609e-03,
        -3.61328125e-02,  5.27343750e-02, -8.74023438e-02,  1.18408203e-02,
         3.34472656e-02, -7.91015625e-02, -6.12792969e-02, -2.63671875e-01,
         5.05371094e-02, -8.74023438e-02, -2.10937500e-01, -6.29882812e-02,
        -2.48046875e-01,  1.85546875e-01,  1.58203125e-01,  1.02050781e-01,
        -2.57568359e-02, -9.42382812e-02,  7.61718750e-02,  1.59179688e-01,
         1.23535156e-01, -1.46484375e-01,  1.31835938e-01,  2.02148438e-01,
         2.78320312e-02,  2.58789062e-02,  1.52587891e-02, -1.43554688e-01,
         6.10351562e-02,  7.71484375e-02, -8.78906250e-02,  1.03149414e-02,
         4.00390625e-01, -6.34765625e-02, -2.37304688e-01, -1.05468750e-01,
        -3.49426270e-03, -1.12792969e-01,  1.12792969e-01,  1.17797852e-02,
         1.24511719e-02, -8.25195312e-02,  3.18359375e-01, -4.24804688e-02,
        -1.00097656e-01,  4.17480469e-02, -1.80664062e-01, -4.61425781e-02,
        -6.01196289e-03, -1.04003906e-01, -8.83789062e-02,  1.11694336e-02,
        -3.41796875e-02,  1.92382812e-01,  3.88183594e-02,  1.68457031e-02,
        -1.35742188e-01, -3.26171875e-01, -9.17968750e-02,  6.03027344e-02,
        -3.12500000e-02, -2.15820312e-01,  5.63964844e-02,  2.22167969e-02,
        -7.71484375e-02,  2.23632812e-01, -1.86767578e-02,  2.28515625e-01,
         2.13867188e-01,  1.52343750e-01, -4.15039062e-02,  1.20117188e-01,
        -7.51953125e-02,  1.46484375e-01, -4.32128906e-02,  1.06933594e-01,
        -1.46484375e-01, -1.40380859e-02, -1.57226562e-01, -1.16210938e-01,
         1.07421875e-02, -6.88476562e-02,  3.02734375e-02,  3.34472656e-02,
        -8.91113281e-03, -5.06591797e-03, -1.62109375e-01,  2.91748047e-02,
         2.36328125e-01,  1.20605469e-01, -2.42919922e-02, -1.13769531e-01,
         1.86523438e-01, -5.56640625e-02, -2.23632812e-01, -1.06811523e-02,
         4.61425781e-02, -9.76562500e-02,  1.05957031e-01, -1.66992188e-01,
        -1.23046875e-01, -3.16406250e-01,  4.51660156e-02, -7.51953125e-02,
        -1.69921875e-01, -1.01074219e-01, -1.09375000e-01,  3.49121094e-02,
         1.16699219e-01,  5.55419922e-03, -1.00097656e-01,  1.13281250e-01,
         5.93261719e-02, -9.96093750e-02,  1.55273438e-01, -5.10253906e-02,
         2.16064453e-02, -2.87109375e-01, -9.22851562e-02, -1.38671875e-01,
         3.24707031e-02, -8.00781250e-02,  5.66406250e-02, -1.21093750e-01,
         1.74804688e-01,  1.91406250e-01,  6.22558594e-02, -1.80664062e-01,
        -4.23431396e-04, -1.08398438e-01, -6.25000000e-02, -1.87988281e-02,
        -2.90527344e-02,  3.35937500e-01,  5.88378906e-02, -2.87109375e-01,
        -7.22656250e-02, -7.61718750e-02,  3.24218750e-01, -9.08203125e-02,
         6.29882812e-02,  1.54296875e-01, -1.04492188e-01, -1.45507812e-01,
        -6.15234375e-02, -2.14843750e-01, -1.13281250e-01, -1.50390625e-01,
         8.10546875e-02, -6.95800781e-03, -2.00195312e-01,  5.83496094e-02,
```

```
         1.05590820e-02,  6.29882812e-02,  1.92382812e-01,  6.39648438e-02,
        -5.71289062e-02,  4.71191406e-02,  9.42382812e-02, -7.08007812e-02,
         2.05078125e-01,  3.36914062e-02,  2.38037109e-02,  2.49023438e-01,
         4.00390625e-02,  9.57031250e-02, -2.44140625e-02, -3.01513672e-02,
         5.12695312e-02,  4.54101562e-02, -6.44531250e-02, -1.50390625e-01,
        -1.65039062e-01,  3.58886719e-02,  7.47070312e-02,  2.81250000e-01,
        -6.88476562e-02, -2.07031250e-01,  1.89453125e-01, -1.32812500e-01,
        -2.42919922e-02, -1.04003906e-01,  3.32031250e-02, -1.67968750e-01,
         1.30859375e-01, -2.51464844e-02, -1.06933594e-01, -2.33459473e-03,
         1.27929688e-01, -4.85229492e-03, -1.23046875e-01,  1.38671875e-01,
        -7.37304688e-02,  1.56250000e-02,  1.23046875e-01, -1.20239258e-02,
        -2.22167969e-02,  6.78710938e-02,  2.17773438e-01, -1.04492188e-01,
        -8.34960938e-02, -1.08398438e-01, -1.62109375e-01, -4.60815430e-03,
        -2.81982422e-02,  2.27050781e-02,  7.86132812e-02, -9.03320312e-02,
         1.31225586e-02,  1.16210938e-01, -1.28906250e-01,  6.34765625e-02,
         1.06933594e-01,  2.77343750e-01, -1.00585938e-01,  1.08032227e-02,
        -9.91210938e-02, -1.33789062e-01, -1.77734375e-01,  1.35742188e-01,
         1.30859375e-01,  5.76171875e-02, -1.99218750e-01,  4.56542969e-0
2],
       dtype=float32),
 'funding': array([-8.48388672e-03, -1.16210938e-01,  2.83203125e-01,  6.05
468750e-02,
         1.74804688e-01, -2.85156250e-01, -2.01416016e-02, -8.44726562e-02,
         1.84570312e-01, -2.39257812e-01,  7.23266602e-03,  2.79296875e-01,
        -2.92968750e-01,  1.41601562e-01, -2.13867188e-01,  3.05175781e-02,
        -2.32421875e-01, -5.02929688e-02,  1.39648438e-01, -3.41796875e-02,
        -9.76562500e-02,  3.84765625e-01,  1.27929688e-01,  2.29492188e-02,
        -2.18750000e-01,  1.63574219e-02,  3.61328125e-02,  5.32226562e-02,
        -2.77343750e-01, -7.51953125e-02,  1.25000000e-01, -1.24511719e-01,
         7.32421875e-02, -2.65625000e-01,  2.53906250e-02, -2.27539062e-01,
        -2.01171875e-01,  2.71484375e-01, -1.60156250e-01, -1.15234375e-01,
         9.86328125e-02,  1.59179688e-01, -1.38549805e-02, -2.06054688e-01,
        -2.75390625e-01, -1.71875000e-01, -2.50244141e-02,  5.54199219e-02,
        -2.81250000e-01,  1.35742188e-01,  2.19726562e-02, -3.16406250e-01,
        -2.65625000e-01, -3.76953125e-01, -2.26562500e-01, -2.11914062e-01,
        -2.36328125e-01,  1.91406250e-01, -1.36718750e-01,  3.80859375e-02,
        -1.63085938e-01, -5.95703125e-02,  1.16210938e-01, -3.06640625e-01,
         1.97753906e-02, -1.64062500e-01,  8.36181641e-03, -1.61132812e-02,
         1.33789062e-01,  1.84570312e-01, -2.40234375e-01, -3.28125000e-01,
        -6.12792969e-02,  8.74023438e-02,  1.79687500e-01,  1.33789062e-01,
        -3.36914062e-02,  2.91748047e-02, -1.74560547e-02,  7.91015625e-02,
         4.73632812e-02, -4.76837158e-04, -9.88769531e-03,  1.13769531e-01,
        -2.00195312e-01,  8.05664062e-02, -1.39648438e-01,  2.24609375e-01,
        -1.27929688e-01,  9.86328125e-02,  2.61718750e-01, -1.59179688e-01,
         1.73828125e-01, -3.10546875e-01,  7.08007812e-02, -5.02929688e-02,
        -1.43554688e-01, -1.41601562e-01,  2.16064453e-02,  7.56835938e-02,
        -1.32812500e-01,  1.16210938e-01,  1.26953125e-01, -1.12304688e-02,
         2.18505859e-02, -1.85546875e-01, -9.57031250e-02, -2.02148438e-01,
        -1.26953125e-02, -2.67578125e-01, -1.44531250e-01, -4.46777344e-02,
         2.13623047e-02,  1.51367188e-01, -5.44433594e-02,  7.71484375e-02,
         7.81250000e-02, -2.23632812e-01,  2.44140625e-01, -4.63867188e-02,
         2.13867188e-01,  7.03125000e-02, -2.14843750e-02,  7.27539062e-02,
         7.27539062e-02, -1.80664062e-01, -1.93359375e-01,  9.61914062e-02,
         1.59912109e-02, -2.95410156e-02,  7.08007812e-02, -1.21093750e-01,
        -2.63671875e-01, -1.12792969e-01, -2.67578125e-01,  7.56835938e-02,
         8.10546875e-02, -1.82617188e-01,  1.45507812e-01,  3.43750000e-01,
        -5.95092773e-03,  1.23291016e-02,  1.40625000e-01,  1.75781250e-01,
        -1.06933594e-01, -4.12597656e-02, -2.00195312e-01,  8.30078125e-03,
        -1.06933594e-01, -1.33789062e-01, -1.44531250e-01, -2.61718750e-01,
         2.00195312e-02, -1.07910156e-01,  2.73437500e-01, -3.78906250e-01,
         2.51464844e-02, -1.31835938e-01, -4.06250000e-01, -1.66015625e-01,
         2.59765625e-01,  6.29882812e-02, -5.07812500e-02,  1.36718750e-01,
        -1.87500000e-01, -1.61132812e-01, -1.91406250e-01, -2.61718750e-01,
         1.84570312e-01,  2.04101562e-01,  8.34960938e-02, -1.95312500e-01,
```

```
         9.76562500e-02, -9.57031250e-02,  1.19628906e-01, -1.39648438e-01,
        -9.61914062e-02, -1.30859375e-01, -9.91210938e-02,  9.32617188e-02,
        -2.63671875e-01, -1.49414062e-01,  1.28906250e-01, -1.33789062e-01,
         3.54003906e-02, -5.81054688e-02,  3.73535156e-02,  1.48437500e-01,
         3.04687500e-01,  1.66992188e-01, -2.48046875e-01, -2.63671875e-01,
        -3.78417969e-03, -4.12597656e-02, -1.97265625e-01, -2.38037109e-02,
        -9.08203125e-02, -3.61328125e-01,  3.57421875e-01,  2.53906250e-02,
        -6.34765625e-02,  1.26953125e-01,  2.73437500e-01, -1.41601562e-01,
        -5.73730469e-03,  7.91015625e-02, -2.57812500e-01, -1.05468750e-01,
         1.80664062e-01, -7.51953125e-02, -8.25195312e-02, -9.21630859e-03,
        -1.17675781e-01,  1.42578125e-01, -2.39257812e-02, -6.54296875e-02,
         2.77343750e-01,  8.78906250e-02,  1.61132812e-01,  5.56640625e-02,
        -9.76562500e-03, -1.37695312e-01,  2.77343750e-01,  3.51562500e-01,
        -1.87988281e-02, -2.24609375e-01,  2.10937500e-01, -3.22265625e-02,
         1.62109375e-01, -7.66601562e-02, -3.12500000e-01,  1.16210938e-01,
        -7.11059570e-03, -1.30859375e-01,  1.40625000e-01, -1.85546875e-01,
         1.36718750e-01,  3.97949219e-02,  4.55078125e-01,  1.16210938e-01,
         2.21679688e-01,  1.49414062e-01, -1.14257812e-01,  5.44433594e-02,
         6.78710938e-02, -2.61718750e-01,  4.57031250e-01, -2.25830078e-02,
        -2.36816406e-02,  7.71484375e-02,  3.75976562e-02, -1.13769531e-01,
        -1.25976562e-01,  4.12597656e-02, -1.74560547e-02,  2.78320312e-02,
         3.10546875e-01,  2.57568359e-02, -3.20312500e-01,  7.81250000e-02,
         4.73632812e-02,  2.22656250e-01, -2.25585938e-01,  1.05468750e-01,
        -2.08854675e-04,  3.14453125e-01, -9.91210938e-02,  5.49316406e-02,
        -2.12890625e-01,  5.76171875e-02, -1.69677734e-02,  1.25976562e-01,
         2.31445312e-01, -1.40625000e-01, -1.38671875e-01, -3.61328125e-01,
        -1.19628906e-02, -1.70898438e-01, -9.39941406e-03, -1.74804688e-01,
        -2.32421875e-01, -7.08007812e-02,  1.20605469e-01,  2.00195312e-01,
         8.25195312e-02,  1.50390625e-01,  1.66992188e-01,  1.21582031e-01,
         3.84765625e-01, -5.32226562e-02, -3.16406250e-01,  2.07031250e-01,
        -4.63867188e-03, -8.54492188e-02,  2.02148438e-01,  5.29785156e-02,
         3.46374512e-03,  1.30859375e-01,  4.15039062e-02, -1.00585938e-0
1],
       dtype=float32),
 'source': array([ 0.33203125, -0.09863281, -0.1171875 , -0.16308594, -0.26
5625  ,
         0.33398438,  0.28710938,  0.00576782,  0.35351562,  0.40429688,
        -0.14355469, -0.27734375,  0.07080078, -0.04589844, -0.19238281,
        -0.0625    , -0.15527344, -0.09619141, -0.18652344, -0.1640625 ,
         0.22070312,  0.01092529,  0.07373047, -0.08251953,  0.10644531,
        -0.01483154, -0.05126953,  0.22265625, -0.28320312, -0.21582031,
         0.11132812, -0.07861328, -0.14941406, -0.04589844,  0.00366211,
         0.05639648, -0.02270508, -0.01635742, -0.02282715,  0.05322266,
         0.11083984, -0.19628906, -0.30273438,  0.24023438,  0.12402344,
        -0.1796875 , -0.13671875, -0.22167969, -0.10986328,  0.23339844,
         0.13378906, -0.40820312, -0.09179688, -0.10009766,  0.08642578,
         0.03051758, -0.06738281, -0.03808594,  0.01879883, -0.19433594,
         0.10791016, -0.02355957, -0.09326172,  0.22070312, -0.09570312,
         0.04663086, -0.08349609,  0.26757812, -0.02709961, -0.25      ,
        -0.2890625 , -0.0111084 ,  0.08886719, -0.33398438,  0.10009766,
         0.23046875,  0.00204468,  0.0062561 , -0.12988281,  0.24902344,
         0.22167969, -0.1015625 ,  0.02099609,  0.04003906,  0.02441406,
        -0.15625   ,  0.13867188,  0.04150391,  0.16015625, -0.15820312,
         0.28320312,  0.140625  , -0.09912109,  0.02770996, -0.02282715,
        -0.10205078,  0.05541992,  0.11474609,  0.07763672, -0.125     ,
        -0.23925781,  0.14355469, -0.20996094, -0.20800781, -0.09619141,
        -0.10449219, -0.21191406,  0.02746582,  0.18066406, -0.03417969,
        -0.0534668 , -0.09863281, -0.02416992, -0.29882812,  0.16113281,
         0.24316406, -0.09667969,  0.20214844,  0.14453125, -0.01501465,
         0.07470703, -0.19140625, -0.05834961, -0.0859375 , -0.01574707,
        -0.03833008, -0.06982422, -0.08984375,  0.10546875,  0.00212097,
         0.12451172, -0.02233887, -0.07714844,  0.13085938, -0.10595703,
        -0.20996094,  0.1953125 , -0.19433594,  0.125     , -0.02514648,
         0.03369141, -0.10400391, -0.06689453,  0.17773438,  0.02429199,
```

```
        -0.11132812, -0.19824219, -0.09423828, -0.1796875 , -0.06689453,
         0.08300781,  0.17675781, -0.02246094, -0.16796875,  0.16796875,
        -0.06738281,  0.06738281, -0.12011719, -0.08789062, -0.15136719,
        -0.05517578,  0.13476562,  0.09619141,  0.328125  , -0.00075531,
        -0.09765625, -0.10595703,  0.22070312,  0.18847656, -0.1015625 ,
        -0.03759766,  0.09521484,  0.01226807, -0.0534668 ,  0.09521484,
        -0.04150391,  0.30078125, -0.43945312, -0.08740234, -0.02246094,
        -0.10986328,  0.05786133,  0.24121094, -0.20703125, -0.04321289,
        -0.14550781, -0.22558594,  0.06933594,  0.21777344,  0.25585938,
        -0.13378906,  0.01312256,  0.18457031,  0.13769531, -0.13574219,
        -0.02172852, -0.453125  , -0.02404785, -0.1640625 , -0.10546875,
        -0.04663086, -0.00375366, -0.0546875 ,  0.08251953, -0.15917969,
         0.24316406, -0.0612793 ,  0.13085938,  0.08740234, -0.125     ,
         0.0378418 ,  0.00344849, -0.08203125,  0.12304688,  0.09375   ,
         0.11669922,  0.21484375,  0.04516602, -0.08447266,  0.27929688,
         0.05175781, -0.21386719,  0.10498047,  0.31445312, -0.21972656,
         0.09716797, -0.00279236,  0.16015625,  0.3125    ,  0.01300049,
        -0.08251953,  0.20996094, -0.12158203, -0.1328125 ,  0.23144531,
        -0.12890625,  0.04003906, -0.09570312, -0.11669922, -0.14648438,
         0.0402832 , -0.02661133, -0.06738281,  0.0213623 ,  0.23046875,
        -0.03955078,  0.11132812,  0.00531006,  0.07080078,  0.10498047,
         0.21875   ,  0.11767578,  0.25585938, -0.12353516,  0.01879883,
         0.09179688, -0.29492188, -0.07421875, -0.30273438, -0.20898438,
         0.15234375, -0.00982666,  0.0112915 ,  0.24707031,  0.07958984,
         0.22851562, -0.2890625 ,  0.01757812, -0.04101562, -0.11132812,
         0.01403809, -0.07275391, -0.11669922, -0.06298828,  0.04663086,
        -0.08544922, -0.16308594, -0.390625  , -0.03344727, -0.01806641,
        -0.23339844,  0.09521484, -0.16015625,  0.00662231,  0.01794434,
        -0.296875  , -0.1328125 ,  0.20898438, -0.20703125,  0.07519531,
         0.04101562,  0.05541992,  0.0534668 ,  0.22949219, -0.06005859,
         0.06689453, -0.02258301, -0.09716797,  0.08056641,  0.02905273],
       dtype=float32),
 'formatting': array([ 1.41601562e-01,  5.93261719e-02, -3.71093750e-01, -
2.83203125e-01,
        -1.49414062e-01,  1.77734375e-01, -1.29882812e-01,  2.02148438e-01,
        -1.29882812e-01,  2.46093750e-01, -1.17675781e-01, -1.06933594e-01,
        -2.15820312e-01,  7.17773438e-02, -1.60156250e-01, -1.25976562e-01,
         3.59375000e-01,  3.10546875e-01,  2.70996094e-02, -4.39453125e-01,
         2.47802734e-02, -2.71606445e-03, -1.41601562e-01,  3.04687500e-01,
        -6.98242188e-02, -2.20947266e-02,  7.76367188e-02, -1.66015625e-01,
         1.62109375e-01, -9.08203125e-02, -1.93359375e-01, -4.02832031e-02,
         6.07299805e-03,  3.39843750e-01, -3.05175781e-02,  1.66992188e-01,
         1.89453125e-01, -8.74023438e-02, -5.07812500e-02, -1.71875000e-01,
         2.15820312e-01,  7.08007812e-02,  4.68750000e-01,  3.59375000e-01,
         2.34375000e-02, -3.63769531e-02, -1.64062500e-01,  2.37304688e-01,
        -2.47070312e-01,  8.23974609e-03, -3.57421875e-01, -6.13281250e-01,
         1.45263672e-02, -4.82421875e-01, -1.58203125e-01,  3.16406250e-01,
         2.75390625e-01, -8.39843750e-02, -1.23046875e-01,  1.02050781e-01,
         2.07031250e-01,  5.59082031e-02, -1.55273438e-01,  7.38525391e-03,
        -1.79687500e-01,  1.77734375e-01, -2.79541016e-02, -2.36816406e-02,
         2.59765625e-01,  8.30078125e-02,  3.71093750e-01,  2.15820312e-01,
         1.07421875e-01, -3.18359375e-01, -3.37890625e-01, -2.67578125e-01,
         7.27539062e-02, -1.29882812e-01,  1.20605469e-01,  6.29882812e-02,
        -1.85546875e-01, -3.66210938e-02, -1.84326172e-02,  1.96289062e-01,
         6.17187500e-01, -1.70898438e-01,  1.85546875e-01,  1.01562500e-01,
        -1.33789062e-01, -5.39550781e-02,  1.17797852e-02, -5.78613281e-02,
         2.49023438e-01, -4.93164062e-02,  1.24023438e-01, -2.15820312e-01,
         8.59375000e-02, -3.24218750e-01,  2.57568359e-02,  7.03125000e-02,
        -6.49414062e-02,  1.52343750e-01,  1.91650391e-02,  2.90527344e-02,
         8.88671875e-02,  3.37890625e-01, -2.35351562e-01,  5.54687500e-01,
        -2.74658203e-02, -9.47265625e-02, -4.33593750e-01, -2.91015625e-01,
         1.80664062e-01,  7.47070312e-02,  2.46093750e-01,  3.22265625e-01,
         4.02832031e-02, -3.51562500e-01,  9.42382812e-02, -2.58789062e-02,
        -2.43164062e-01, -6.73828125e-02, -2.49023438e-01,  4.02343750e-01,
```

```
         4.76562500e-01, -2.94921875e-01, -5.42968750e-01,  2.71484375e-01,
        -1.27929688e-01, -1.47460938e-01, -8.30078125e-02, -3.71093750e-01,
        -3.53515625e-01,  1.64062500e-01,  1.40625000e-01, -1.56250000e-01,
        -1.17675781e-01, -5.15136719e-02,  8.15429688e-02, -1.62506104e-03,
         1.25976562e-01, -4.39453125e-01, -8.88671875e-02, -7.22656250e-02,
         5.46875000e-02, -1.75781250e-02,  2.50000000e-01,  2.92968750e-01,
         1.48437500e-01,  1.62353516e-02, -8.10546875e-02,  2.17285156e-02,
         1.21093750e-01, -1.42211914e-02,  8.39843750e-02, -6.17187500e-01,
        -1.08398438e-01,  2.12890625e-01, -2.85156250e-01,  2.96875000e-01,
        -3.43750000e-01,  3.92578125e-01, -3.66210938e-02,  3.14453125e-01,
         1.66992188e-01, -2.29492188e-01, -1.50390625e-01, -1.10473633e-02,
        -7.08007812e-02, -6.25000000e-02,  7.14111328e-03, -9.86328125e-02,
        -4.58984375e-01,  2.42187500e-01,  1.34765625e-01, -4.25781250e-01,
         2.18750000e-01, -4.37500000e-01, -4.36782837e-04, -2.02148438e-01,
        -3.86718750e-01, -3.73046875e-01, -5.15136719e-02, -1.64062500e-01,
         1.59179688e-01,  3.94531250e-01, -2.55859375e-01,  7.71484375e-02,
         1.86523438e-01,  6.22558594e-02, -3.10546875e-01, -4.82421875e-01,
        -2.12890625e-01, -4.90722656e-02, -1.77734375e-01,  1.65039062e-01,
         2.27050781e-02, -4.62890625e-01,  5.67626953e-03, -4.02343750e-01,
         1.80664062e-02,  4.91333008e-03, -2.27539062e-01,  6.98242188e-02,
         2.27050781e-02, -1.94091797e-02, -2.69531250e-01, -4.10156250e-01,
         2.83203125e-01, -1.20117188e-01,  4.02832031e-02,  5.66406250e-02,
        -9.71679688e-02,  1.71875000e-01, -6.20117188e-02, -3.63769531e-02,
         2.20703125e-01,  3.22265625e-01, -1.25976562e-01, -2.79296875e-01,
        -3.80859375e-01,  1.43554688e-01, -1.33789062e-01,  2.66113281e-02,
        -2.63671875e-01,  1.84326172e-02, -2.31445312e-01, -3.68652344e-02,
        -3.46679688e-02,  2.59765625e-01, -3.45703125e-01, -3.53515625e-01,
        -4.85839844e-02, -6.44531250e-02, -1.72851562e-01, -5.23437500e-01,
         2.79296875e-01, -1.11816406e-01,  2.51953125e-01, -1.46484375e-01,
         2.01171875e-01,  1.38671875e-01, -1.43554688e-01, -2.51953125e-01,
        -7.42187500e-02, -4.37011719e-02, -1.15203857e-03,  2.47070312e-01,
        -1.40625000e-01,  3.90625000e-02, -8.64257812e-02,  3.61328125e-01,
        -3.51562500e-01,  4.93164062e-02, -1.93359375e-01, -2.59765625e-01,
        -7.47070312e-02,  9.42382812e-02, -1.12304688e-01,  2.72216797e-02,
         3.47656250e-01, -1.14257812e-01,  3.57421875e-01, -2.89062500e-01,
         5.73730469e-02, -3.10058594e-02,  4.35546875e-01, -1.27929688e-01,
        -2.83203125e-01, -3.37890625e-01, -3.22265625e-02,  3.75976562e-02,
        -8.20312500e-02, -1.18164062e-01, -2.32421875e-01,  1.63574219e-02,
         1.24511719e-01, -1.23535156e-01, -1.08398438e-01,  1.17187500e-01,
        -2.57812500e-01,  2.71484375e-01, -1.46484375e-01, -1.18164062e-01,
         2.94921875e-01,  1.20117188e-01,  2.31445312e-01, -1.98242188e-01,
        -1.10839844e-01,  1.87500000e-01, -3.14941406e-02, -4.98046875e-02,
        -2.77343750e-01, -1.01074219e-01,  2.87109375e-01, -1.49536133e-02,
         2.36328125e-01, -1.85546875e-01, -1.58203125e-01,  3.47656250e-0
1],
       dtype=float32),
 'continuity': array([-0.04272461, -0.01373291, -0.17871094,  0.02185059, -
0.12792969,
        -0.00683594, -0.12451172, -0.28710938,  0.11572266,  0.12695312,
         0.06445312,  0.02172852,  0.10107422,  0.42578125, -0.18359375,
         0.16601562,  0.06225586,  0.15429688, -0.18652344, -0.30078125,
        -0.12890625,  0.203125  ,  0.01184082,  0.17285156,  0.04931641,
         0.05908203, -0.2109375 , -0.203125  ,  0.09960938, -0.03369141,
         0.07666016, -0.04492188,  0.09228516, -0.21386719,  0.08544922,
         0.00509644,  0.06494141, -0.15722656,  0.08837891,  0.18359375,
         0.08154297,  0.13378906, -0.171875  ,  0.0098877 , -0.04882812,
        -0.19921875, -0.0234375 , -0.13867188, -0.07373047,  0.04492188,
        -0.34960938,  0.09423828, -0.125     ,  0.15234375, -0.03417969,
         0.22753906,  0.01977539, -0.10400391, -0.05102539, -0.24414062,
         0.06201172,  0.2265625 ,  0.15527344,  0.08447266, -0.02331543,
         0.01855469, -0.22949219,  0.02746582,  0.27734375, -0.11523438,
        -0.24316406, -0.09521484,  0.20117188, -0.29492188, -0.58203125,
        -0.13476562, -0.33398438, -0.01452637,  0.22070312,  0.43164062,
         0.26953125,  0.21679688, -0.11279297, -0.22265625,  0.08203125,
```

```
        -0.22949219,  0.21289062,  0.12304688, -0.01037598,  0.16699219,
         0.234375  , -0.30664062,  0.13476562, -0.1640625 ,  0.01586914,
        -0.05566406, -0.27148438, -0.0559082 , -0.15234375,  0.02453613,
         0.05932617,  0.07226562, -0.1875    ,  0.11816406, -0.17285156,
        -0.18359375,  0.09619141,  0.05297852, -0.03930664,  0.11816406,
        -0.06347656,  0.09277344, -0.1171875 ,  0.06445312,  0.07226562,
         0.11376953,  0.2109375 , -0.1171875 ,  0.31640625,  0.06030273,
        -0.33789062, -0.22363281,  0.30859375,  0.48242188, -0.02172852,
        -0.18554688,  0.03369141, -0.00897217,  0.05957031, -0.05371094,
        -0.23046875, -0.00787354, -0.33984375,  0.22949219,  0.11425781,
        -0.28515625,  0.19140625, -0.13769531,  0.11767578,  0.390625  ,
         0.09326172, -0.40625   ,  0.34765625,  0.421875  ,  0.0456543 ,
        -0.13671875, -0.25195312,  0.02905273,  0.15625   ,  0.16113281,
        -0.06201172,  0.11669922,  0.00357056,  0.36523438, -0.15039062,
        -0.26171875,  0.11914062,  0.10351562,  0.08642578,  0.01940918,
        -0.08984375,  0.0014267 , -0.25976562, -0.02685547,  0.01483154,
        -0.01574707, -0.26953125, -0.02087402, -0.03881836, -0.10644531,
        -0.06738281, -0.10205078,  0.21875   , -0.12597656,  0.40234375,
         0.15625   ,  0.16796875, -0.07324219,  0.0703125 , -0.04345703,
        -0.37890625,  0.05175781,  0.22558594, -0.51953125, -0.01092529,
        -0.06152344,  0.02441406, -0.203125  ,  0.25      , -0.03881836,
        -0.03759766,  0.11181641, -0.390625  ,  0.203125  ,  0.09814453,
        -0.21972656,  0.23535156,  0.16894531, -0.01989746, -0.10009766,
         0.00549316,  0.11425781,  0.06542969, -0.08935547,  0.11279297,
        -0.19628906, -0.12402344, -0.09375   ,  0.21972656, -0.109375  ,
        -0.06835938,  0.04907227, -0.02526855, -0.05712891,  0.01104736,
        -0.26757812,  0.20117188, -0.2734375 , -0.18066406,  0.10644531,
         0.06542969,  0.03295898, -0.18261719,  0.10595703, -0.07128906,
        -0.05126953,  0.08837891,  0.1875    ,  0.16503906, -0.09179688,
        -0.38867188,  0.14160156,  0.02966309,  0.10253906, -0.27734375,
         0.07470703, -0.25195312,  0.05371094, -0.04516602, -0.26171875,
        -0.10498047,  0.07373047,  0.13378906, -0.05639648,  0.00878906,
         0.07128906, -0.19238281,  0.10742188, -0.17480469,  0.03149414,
        -0.421875  ,  0.6953125 , -0.21386719,  0.12695312,  0.03076172,
        -0.09423828, -0.19726562,  0.16015625, -0.20410156,  0.10009766,
         0.30859375, -0.07617188, -0.171875  ,  0.05981445,  0.09667969,
         0.14550781,  0.12597656,  0.01940918, -0.21191406, -0.29296875,
        -0.24023438, -0.03417969,  0.03149414,  0.01721191,  0.16113281,
         0.04077148,  0.18554688, -0.11767578, -0.00215149, -0.06176758,
        -0.26171875,  0.00267029,  0.14550781,  0.01806641,  0.0859375 ,
        -0.2109375 , -0.10107422, -0.171875  , -0.09130859, -0.21191406,
        -0.2890625 ,  0.11425781, -0.14453125, -0.16308594, -0.05322266,
         0.11523438,  0.11669922,  0.06542969,  0.10791016, -0.13671875],
       dtype=float32),
 'stay': array([-9.58251953e-03, -8.44726562e-02, -1.08886719e-01,  2.09960
938e-01,
         1.25122070e-02,  1.26953125e-01,  4.58984375e-02, -9.37500000e-02,
         5.83496094e-02, -2.03125000e-01, -7.22656250e-02, -5.78613281e-02,
         1.48925781e-02,  3.61328125e-01, -1.28906250e-01, -2.23632812e-01,
         1.53320312e-01,  1.36718750e-01,  4.60815430e-03,  6.20117188e-02,
         2.40478516e-02,  1.86523438e-01,  1.31835938e-01, -1.08398438e-01,
         1.35742188e-01, -1.21582031e-01,  2.08984375e-01, -2.91748047e-02,
         1.28784180e-02, -1.68945312e-01,  9.96093750e-02, -3.11279297e-02,
        -1.26953125e-01, -8.54492188e-02,  1.71875000e-01, -1.70898438e-01,
        -9.17968750e-02,  1.40380859e-02, -1.18164062e-01,  1.51367188e-01,
         1.07421875e-01,  9.86328125e-02,  6.64062500e-02,  8.78906250e-03,
        -9.86328125e-02,  7.93457031e-03,  7.27539062e-02, -2.04101562e-01,
         7.17163086e-03,  1.49414062e-01, -9.33837891e-03,  2.41699219e-02,
         1.19140625e-01,  2.04101562e-01, -4.54101562e-02, -3.10546875e-01,
         3.23486328e-03,  6.73828125e-02, -2.18750000e-01, -3.08593750e-01,
        -4.29687500e-02, -1.45874023e-02, -9.13085938e-02,  1.46484375e-01,
        -1.42578125e-01,  1.25732422e-02, -1.61132812e-01,  1.59179688e-01,
        -4.24804688e-02,  1.59179688e-01,  3.36914062e-02,  1.43554688e-01,
         2.65625000e-01, -7.95898438e-02, -1.64062500e-01, -2.71484375e-01,
```

```
        -7.12890625e-02, -6.83593750e-02, -6.17675781e-02,  1.21582031e-01,
         5.07812500e-02, -1.46484375e-01, -7.35473633e-03,  5.17578125e-02,
         6.93359375e-02,  6.12792969e-02, -1.85546875e-01,  1.09863281e-01,
         4.80957031e-02, -8.93554688e-02,  4.85839844e-02,  1.10351562e-01,
        -7.22656250e-02, -1.80664062e-01, -7.08007812e-02, -3.22265625e-02,
         1.56250000e-01,  1.69921875e-01,  1.14257812e-01, -1.02050781e-01,
        -2.13867188e-01,  1.16699219e-01,  1.59179688e-01,  2.06298828e-02,
        -1.63085938e-01, -2.87109375e-01,  3.56445312e-02, -2.42187500e-01,
         4.83398438e-02,  1.62109375e-01,  1.49414062e-01, -3.34472656e-02,
        -1.38671875e-01, -2.04101562e-01, -3.36914062e-02, -1.91650391e-02,
         2.67578125e-01, -3.22265625e-01,  2.50000000e-01,  1.61132812e-02,
        -1.09863281e-01,  1.44531250e-01,  1.01074219e-01,  4.14062500e-01,
         2.08007812e-01, -5.34667969e-02,  1.91650391e-02, -2.33398438e-01,
        -6.15234375e-02, -2.30712891e-02,  1.70898438e-01, -1.39648438e-01,
         3.30078125e-01, -1.06445312e-01, -1.84570312e-01, -1.22070312e-01,
         2.73437500e-01,  1.03027344e-01,  6.64062500e-02,  3.59375000e-01,
         3.65234375e-01, -2.08007812e-01, -1.49414062e-01, -9.03320312e-02,
         9.17968750e-02,  5.32226562e-02, -2.07031250e-01, -1.71875000e-01,
        -1.64794922e-02, -1.34765625e-01, -1.08886719e-01,  2.00195312e-01,
         1.28784180e-02, -1.70898438e-01, -1.40625000e-01, -3.98635864e-04,
         2.36328125e-01, -2.65625000e-01, -7.35473633e-03,  1.55273438e-01,
         1.97265625e-01,  1.80664062e-01,  1.83593750e-01, -5.10253906e-02,
         1.66015625e-01,  2.99072266e-02, -5.59082031e-02, -2.13623047e-02,
         6.64062500e-02, -2.07031250e-01, -3.45703125e-01, -8.15429688e-02,
         8.25195312e-02, -5.27343750e-02, -6.73828125e-02,  1.06933594e-01,
         9.81445312e-02, -5.34667969e-02,  1.42669678e-03,  1.77734375e-01,
        -2.94921875e-01, -8.72802734e-03,  1.81640625e-01, -1.30004883e-02,
         1.79443359e-02, -6.78710938e-02,  1.26953125e-01, -2.77099609e-02,
         1.78710938e-01, -9.76562500e-02,  1.67236328e-02,  9.91210938e-02,
         3.96484375e-01,  2.49023438e-01,  5.15136719e-02,  1.57226562e-01,
        -7.08007812e-02, -4.05883789e-03, -3.90625000e-01,  4.95605469e-02,
         1.36718750e-01, -8.59375000e-02, -5.34667969e-02, -1.03027344e-01,
         2.88085938e-02, -2.16796875e-01, -4.63867188e-03, -1.14746094e-01,
         2.85156250e-01, -2.77343750e-01, -1.83593750e-01,  1.21093750e-01,
         5.93261719e-02, -2.31933594e-02, -1.32812500e-01,  8.88671875e-02,
         9.42382812e-02, -3.22265625e-02, -3.32031250e-01, -2.52685547e-02,
        -9.81445312e-02, -8.59375000e-02, -1.54113770e-03, -8.49609375e-02,
         6.59179688e-02, -7.56835938e-02,  1.38671875e-01,  7.61718750e-02,
        -3.24707031e-02,  4.07714844e-02, -8.74023438e-02, -2.38281250e-01,
        -5.29785156e-02, -2.41210938e-01,  2.51953125e-01,  3.90625000e-02,
        -1.50390625e-01, -2.08007812e-01, -3.51562500e-02, -5.98144531e-03,
        -9.22851562e-02,  1.00585938e-01, -1.47460938e-01, -1.61132812e-01,
        -4.71115112e-04,  6.73828125e-02, -1.49414062e-01,  6.59179688e-02,
        -1.33056641e-02, -2.41699219e-02,  4.80957031e-02,  6.83593750e-02,
        -9.17968750e-02,  1.26953125e-01,  2.51953125e-01,  3.12500000e-02,
        -1.49414062e-01,  4.37011719e-02,  1.81640625e-01,  2.57812500e-01,
         2.33398438e-01, -7.86132812e-02, -1.71875000e-01,  3.32031250e-01,
         1.74804688e-01,  1.51367188e-01, -4.78515625e-02,  1.69677734e-02,
        -1.00097656e-02,  4.83398438e-02,  1.46484375e-01,  1.66992188e-01,
         1.34765625e-01, -1.08886719e-01,  1.22558594e-01, -1.27929688e-01,
        -9.71679688e-02, -1.65039062e-01, -7.42187500e-02, -5.18798828e-04,
         4.23828125e-01, -7.61718750e-02,  1.07421875e-01,  2.05078125e-01,
        -3.14331055e-03,  4.44335938e-02, -2.47070312e-01,  5.66406250e-02,
        -2.02148438e-01, -5.22460938e-02, -1.09375000e-01,  4.12109375e-01,
        -1.15234375e-01,  1.39648438e-01,  1.11816406e-01, -5.83496094e-02,
        -5.02929688e-02,  1.84326172e-02,  2.42187500e-01, -1.92871094e-0
2],
       dtype=float32),
 'latest': array([ 0.19238281, -0.06787109, -0.04492188, -0.10302734,  0.02
600098,
         0.24121094, -0.00662231, -0.19042969,  0.22070312,  0.27148438,
        -0.03637695, -0.125     ,  0.05981445,  0.11962891, -0.09423828,
        -0.1875    , -0.03613281, -0.2578125 ,  0.20605469,  0.02624512,
        -0.00939941,  0.10986328, -0.3671875 ,  0.15332031, -0.06201172,
```

```
        -0.02612305,  0.17675781,  0.20214844,  0.05322266,  0.08349609,
         0.01794434,  0.04589844,  0.05151367, -0.07910156, -0.11621094,
         0.02526855, -0.16601562, -0.00750732,  0.15234375, -0.13769531,
         0.1953125 , -0.15820312, -0.32421875,  0.13378906,  0.08007812,
         0.16503906,  0.05761719, -0.04492188,  0.22265625, -0.05883789,
         0.10546875,  0.08105469,  0.15234375,  0.13183594,  0.14941406,
         0.21777344, -0.11132812, -0.23632812,  0.15722656,  0.1328125 ,
        -0.06884766,  0.0133667 ,  0.08691406, -0.02722168,  0.11035156,
         0.07177734, -0.03588867,  0.13769531,  0.11523438,  0.19042969,
        -0.02722168,  0.08935547,  0.21386719,  0.09130859, -0.08056641,
         0.32226562, -0.01525879,  0.3125    , -0.04858398,  0.04931641,
         0.12988281,  0.01550293, -0.08886719,  0.00075531,  0.22265625,
        -0.25390625, -0.21191406,  0.05761719, -0.14257812,  0.05371094,
         0.25      ,  0.01446533, -0.07324219, -0.25195312, -0.19628906,
        -0.01385498, -0.03955078, -0.07324219,  0.16601562,  0.08837891,
         0.09570312,  0.02209473, -0.02453613, -0.2578125 , -0.21777344,
        -0.06738281,  0.04589844, -0.1171875 ,  0.15820312, -0.13867188,
         0.03051758,  0.1328125 , -0.01843262,  0.01519775,  0.09814453,
         0.17285156,  0.05810547,  0.078125  ,  0.42578125,  0.15039062,
        -0.12353516, -0.00692749, -0.14453125, -0.17382812,  0.33398438,
         0.09863281, -0.23828125, -0.16503906,  0.03076172,  0.00787354,
        -0.12353516,  0.0055542 , -0.23535156,  0.06787109,  0.05541992,
        -0.08349609,  0.26953125, -0.12597656,  0.07226562,  0.09423828,
         0.15917969, -0.06835938,  0.08740234,  0.01245117,  0.03857422,
        -0.06176758,  0.04589844,  0.07568359,  0.1640625 ,  0.02319336,
         0.15234375, -0.08447266, -0.03295898, -0.01391602, -0.05541992,
        -0.06542969,  0.06542969, -0.06884766,  0.00970459, -0.19335938,
         0.00787354, -0.06494141, -0.09277344, -0.24609375,  0.16113281,
        -0.10107422,  0.21777344, -0.0625    ,  0.04052734, -0.02233887,
         0.16113281, -0.17675781,  0.13183594, -0.07958984,  0.03491211,
        -0.02490234,  0.02038574,  0.00592041,  0.05297852, -0.05493164,
        -0.15820312, -0.13867188, -0.00561523, -0.1640625 , -0.12109375,
         0.16601562, -0.06445312,  0.09472656,  0.07519531, -0.01062012,
         0.1171875 ,  0.0480957 ,  0.0378418 , -0.22167969,  0.1328125 ,
         0.11279297, -0.02270508,  0.07470703, -0.14648438, -0.03515625,
        -0.12890625,  0.05834961, -0.01275635,  0.31445312,  0.04541016,
         0.15722656, -0.02050781,  0.07714844,  0.02331543,  0.05712891,
        -0.11376953,  0.29492188,  0.15917969,  0.13867188, -0.05981445,
         0.07275391,  0.03857422,  0.15332031, -0.05273438,  0.19433594,
        -0.05029297,  0.11962891, -0.03637695,  0.01397705, -0.13476562,
        -0.05834961, -0.07470703,  0.00182343,  0.00114441, -0.10302734,
        -0.01928711,  0.20703125,  0.02429199,  0.05273438,  0.08935547,
        -0.20019531,  0.18457031, -0.01208496,  0.07617188,  0.00283813,
        -0.00842285, -0.15820312,  0.0456543 , -0.14550781,  0.04980469,
        -0.05151367,  0.14648438,  0.03149414, -0.01867676, -0.20507812,
        -0.18164062,  0.20605469,  0.01281738, -0.07080078,  0.03686523,
         0.08349609,  0.20507812,  0.01116943,  0.0255127 , -0.18359375,
        -0.06933594,  0.22460938,  0.02355957,  0.07275391,  0.09326172,
         0.05175781, -0.30078125, -0.12597656,  0.00817871,  0.09960938,
         0.06982422,  0.11621094,  0.17285156, -0.12158203,  0.04833984,
        -0.07324219,  0.14355469, -0.21289062,  0.15527344,  0.04663086,
        -0.00598145,  0.22558594, -0.05981445,  0.04296875, -0.03808594,
        -0.02429199, -0.06640625,  0.05273438,  0.03759766, -0.01025391,
        -0.04760742, -0.08300781, -0.04125977,  0.00376892,  0.10888672,
        -0.22558594, -0.0456543 ,  0.16796875,  0.0402832 , -0.11279297],
       dtype=float32),
 'practice': array([ 1.80053711e-03,  8.98437500e-02, -6.93359375e-02,  4.4
1894531e-02,
         6.39648438e-02, -1.39236450e-04, -1.69677734e-02, -2.85156250e-01,
        -8.39843750e-02, -2.96020508e-03,  1.65039062e-01, -9.76562500e-02,
         2.77343750e-01,  8.05664062e-03, -3.49609375e-01,  1.83593750e-01,
         1.82617188e-01,  2.85156250e-01,  8.98437500e-02, -1.87500000e-01,
         1.57226562e-01, -3.12500000e-02, -2.04101562e-01,  2.11914062e-01,
        -1.24023438e-01,  1.74560547e-02, -3.32031250e-01, -8.98437500e-02,
```

```
-2.38281250e-01,  9.58251953e-03, -1.55273438e-01,  1.15722656e-01,
 3.02734375e-01, -1.34765625e-01,  7.76367188e-02,  2.43164062e-01,
 1.49414062e-01,  1.04980469e-02,  5.70312500e-01, -2.20703125e-01,
 8.15429688e-02, -7.76367188e-02,  8.72802734e-03, -3.90625000e-02,
-2.74658203e-02,  3.46679688e-02, -3.41796875e-01, -9.71679688e-02,
 1.30859375e-01,  1.57226562e-01,  2.89062500e-01,  1.59179688e-01,
-1.94335938e-01,  7.47070312e-02,  2.77343750e-01,  9.42382812e-02,
 1.60156250e-01,  6.44531250e-02,  9.08203125e-02, -1.38671875e-01,
-1.26953125e-01, -8.15429688e-02, -9.57031250e-02,  3.25012207e-03,
 7.32421875e-02,  2.07031250e-01,  6.78710938e-02,  6.29882812e-02,
-4.12597656e-02,  1.48437500e-01,  7.87353516e-03,  4.51660156e-02,
 1.33789062e-01,  1.32812500e-01, -4.46777344e-02, -6.15234375e-02,
 1.43554688e-01, -2.27539062e-01,  1.64062500e-01,  1.25976562e-01,
-7.17163086e-03, -2.90527344e-02, -9.32617188e-02,  1.00585938e-01,
 9.42382812e-02, -8.39843750e-02,  9.81445312e-02,  1.20117188e-01,
 1.64062500e-01,  1.85546875e-01, -7.08007812e-02, -6.10351562e-02,
 1.72851562e-01, -7.12890625e-02,  2.39257812e-01,  1.13281250e-01,
 2.48046875e-01, -1.61132812e-01, -4.19921875e-02, -4.32128906e-02,
 1.51367188e-01, -1.25976562e-01, -6.39648438e-02,  3.98437500e-01,
 1.42578125e-01, -1.16699219e-01,  1.82342529e-03,  1.79443359e-02,
-1.30859375e-01, -1.04980469e-01, -6.00585938e-02,  2.24609375e-01,
-2.00195312e-01,  3.32031250e-02,  9.96093750e-02, -5.27343750e-02,
 2.77343750e-01,  6.22558594e-02,  4.79125977e-03, -2.41699219e-02,
-1.64062500e-01, -1.85546875e-01,  2.01171875e-01, -3.38745117e-03,
-2.08007812e-01, -2.40234375e-01,  1.21582031e-01,  1.97753906e-02,
-3.73840332e-03,  1.91406250e-01, -2.06054688e-01, -3.78906250e-01,
-1.15234375e-01, -3.39843750e-01,  4.51660156e-03, -1.97265625e-01,
 2.12402344e-02,  3.18359375e-01, -3.90625000e-02, -1.54296875e-01,
 3.58886719e-02,  2.45361328e-02,  2.85156250e-01,  1.32751465e-03,
-1.42578125e-01, -8.34960938e-02,  1.48437500e-01,  3.36914062e-02,
 5.24902344e-02,  1.14746094e-01,  4.39453125e-01,  1.90429688e-01,
-8.20312500e-02,  9.66796875e-02,  2.08984375e-01, -8.72802734e-03,
 3.39355469e-02, -9.76562500e-02,  3.27148438e-02, -1.62109375e-01,
-1.89453125e-01,  2.61718750e-01, -1.35742188e-01, -2.38281250e-01,
-2.39257812e-01, -1.51367188e-01, -3.68652344e-02, -1.67968750e-01,
 9.66796875e-02, -2.40234375e-01, -2.91015625e-01,  1.97265625e-01,
-2.83203125e-01,  2.77343750e-01,  6.39648438e-02, -1.36718750e-01,
 1.77734375e-01, -7.61718750e-02,  5.82885742e-03, -2.15820312e-01,
-1.56250000e-01, -2.39257812e-02,  2.16064453e-02,  2.11914062e-01,
-8.74023438e-02,  9.66796875e-02, -1.94091797e-02, -6.98242188e-02,
 2.55859375e-01,  2.35595703e-02, -5.20019531e-02,  5.79833984e-03,
 2.34375000e-02,  1.00097656e-02, -1.86523438e-01, -3.51562500e-02,
-1.50390625e-01, -1.05957031e-01, -9.15527344e-03,  1.47460938e-01,
 5.85937500e-02,  1.00585938e-01,  7.86132812e-02,  6.49414062e-02,
-1.43432617e-02, -1.23046875e-01,  7.03125000e-02, -2.45361328e-02,
 5.05371094e-02, -2.81250000e-01,  4.83398438e-02, -1.07910156e-01,
 1.74804688e-01, -1.07421875e-01, -1.65039062e-01,  2.38281250e-01,
-1.10839844e-01,  7.65991211e-03, -1.49414062e-01, -3.00781250e-01,
-4.66308594e-02, -1.46484375e-01, -7.27539062e-02, -8.15429688e-02,
 1.24511719e-02, -8.64257812e-02, -7.37304688e-02,  1.37695312e-01,
 1.11083984e-02, -2.86865234e-02,  1.59179688e-01,  8.88671875e-02,
 1.12792969e-01, -3.39843750e-01,  3.88183594e-02,  1.00585938e-01,
-7.56835938e-02,  9.66796875e-02, -6.59179688e-03, -4.71191406e-02,
 6.93359375e-02, -1.36718750e-02, -4.05273438e-02, -2.87109375e-01,
 1.02050781e-01,  2.66113281e-02, -1.96289062e-01,  4.66308594e-02,
 1.54296875e-01, -1.06933594e-01, -4.56542969e-02,  9.96093750e-02,
 1.41601562e-01, -8.83789062e-02, -2.77709961e-03,  1.67968750e-01,
-2.33154297e-02,  5.85937500e-02, -1.62109375e-01,  6.07299805e-03,
 2.18505859e-02,  2.02148438e-01,  8.00781250e-02, -9.71679688e-02,
-6.64062500e-02,  1.68457031e-02,  1.85546875e-01,  7.95898438e-02,
-2.50000000e-01,  1.57470703e-02,  4.61425781e-02,  7.86132812e-02,
 9.27734375e-02,  2.22167969e-02,  1.66015625e-01, -2.89062500e-01,
-3.37890625e-01,  2.20947266e-02, -1.21582031e-01, -9.96093750e-02,
 1.91406250e-01,  5.71289062e-02,  3.06640625e-01,  1.56250000e-01,
```

```
         9.22851562e-02, -1.42578125e-01, -8.59375000e-02,  5.05371094e-02,
        -7.37304688e-02,  2.08007812e-01,  1.66015625e-02,  1.24023438e-01,
         1.40991211e-02,  3.90625000e-02, -1.10473633e-02,  1.58203125e-01,
         8.39843750e-02,  1.04492188e-01,  6.59179688e-02, -8.05664062e-0
2],
       dtype=float32),
 'responsibilites': array([ 7.59887695e-03,  1.39648438e-01,  2.47802734e-0
2, -1.63574219e-02,
        -6.83593750e-02, -2.02148438e-01,  8.44726562e-02, -4.54101562e-02,
        -1.60156250e-01,  3.44848633e-03, -3.66210938e-02, -2.81982422e-02,
        -6.44531250e-02,  4.93164062e-02, -3.53515625e-01,  1.64062500e-01,
         4.07714844e-02,  9.17968750e-02,  6.78710938e-02, -1.66992188e-01,
         1.33789062e-01, -2.16796875e-01,  3.22265625e-01,  9.17968750e-02,
         9.13085938e-02,  2.94189453e-02, -8.93554688e-02,  1.94335938e-01,
        -3.49121094e-02,  2.47802734e-02,  9.08203125e-02, -1.19140625e-01,
         1.91406250e-01,  1.75781250e-01, -5.44433594e-02,  2.71484375e-01,
         2.34375000e-01,  2.16796875e-01,  1.60156250e-01,  1.41601562e-01,
        -1.46484375e-01,  5.79833984e-03, -9.91210938e-02, -2.27539062e-01,
        -1.44531250e-01, -2.59765625e-01,  6.34765625e-02,  1.91650391e-02,
         6.25000000e-02, -1.21582031e-01, -1.28906250e-01, -1.93359375e-01,
         1.53198242e-02,  1.79687500e-01,  1.84570312e-01, -1.80664062e-01,
        -1.71875000e-01,  9.37500000e-02, -1.46484375e-01, -2.67578125e-01,
        -1.15722656e-01,  1.34765625e-01, -8.88671875e-02,  1.01318359e-02,
         1.54296875e-01, -4.73632812e-02, -8.74023438e-02,  1.64794922e-02,
        -1.91406250e-01, -1.75781250e-01,  1.43554688e-01,  1.27929688e-01,
         1.25976562e-01,  8.69140625e-02,  1.00708008e-02, -1.58203125e-01,
         1.57470703e-02, -1.02539062e-02, -3.63769531e-02,  2.66113281e-02,
         8.59375000e-02,  1.08886719e-01,  1.42578125e-01, -9.27734375e-02,
         4.22363281e-02, -2.40234375e-01, -1.05468750e-01, -8.49609375e-02,
         1.79687500e-01, -4.71191406e-02,  1.77734375e-01, -1.90429688e-01,
        -1.47460938e-01, -6.88476562e-02,  4.41894531e-02, -1.29882812e-01,
         6.31713867e-03, -2.69531250e-01,  2.05078125e-01, -6.78710938e-02,
        -1.60156250e-01,  6.31713867e-03,  1.04492188e-01,  2.59765625e-01,
         6.73828125e-02, -1.97265625e-01, -4.68750000e-02, -2.90527344e-02,
         1.47460938e-01,  1.37695312e-01,  1.12304688e-01, -3.61328125e-02,
         9.32617188e-02,  4.07714844e-02, -3.01513672e-02, -1.30859375e-01,
        -3.84521484e-03,  8.30078125e-02, -6.59179688e-02, -1.41601562e-01,
        -3.57421875e-01, -1.86767578e-02,  1.10839844e-01,  2.41210938e-01,
         7.56835938e-02, -5.95092773e-03, -1.19628906e-01,  2.73437500e-01,
         1.35742188e-01,  1.25122070e-02, -1.87500000e-01,  4.60815430e-03,
        -3.18359375e-01, -3.83300781e-02, -1.57226562e-01, -5.81054688e-02,
        -2.02148438e-01,  1.03515625e-01,  1.57226562e-01,  6.34765625e-02,
         2.12097168e-03,  9.03320312e-03,  1.54296875e-01, -3.16406250e-01,
        -2.11181641e-02, -4.00390625e-02,  2.08007812e-01,  7.81250000e-02,
         7.51953125e-02, -1.04980469e-02,  1.61132812e-01,  1.88476562e-01,
         2.10937500e-01,  1.05468750e-01, -1.46484375e-01,  1.26953125e-01,
        -7.51953125e-02, -1.53320312e-01, -2.34375000e-02, -6.50024414e-03,
         1.43554688e-01,  1.54296875e-01,  1.35498047e-02,  1.62109375e-01,
        -6.68945312e-02, -1.50390625e-01, -3.68652344e-02,  9.57031250e-02,
        -1.91406250e-01,  1.81640625e-01,  5.88378906e-02, -1.01562500e-01,
         9.76562500e-03,  8.69140625e-02,  1.89453125e-01, -1.47705078e-02,
         1.89208984e-02, -3.61328125e-01, -1.18164062e-01,  4.49218750e-02,
        -2.38281250e-01,  1.32812500e-01, -1.01562500e-01, -1.64062500e-01,
        -1.20117188e-01,  2.50000000e-01, -1.06933594e-01,  1.23046875e-01,
         2.36328125e-01,  5.18798828e-03, -6.98242188e-02,  4.79125977e-03,
        -2.05078125e-01,  3.75000000e-01,  6.49414062e-02,  2.16064453e-02,
        -1.02996826e-03,  1.09863281e-02,  2.69531250e-01, -2.61718750e-01,
        -2.13867188e-01,  2.33398438e-01,  3.71093750e-02, -1.87500000e-01,
        -1.33789062e-01, -3.06701660e-03, -1.12792969e-01, -3.26171875e-01,
         6.34765625e-02,  1.25000000e-01, -9.86328125e-02, -7.76367188e-02,
         7.22656250e-02,  8.30078125e-03, -1.29882812e-01, -1.27929688e-01,
         1.28906250e-01, -3.68652344e-02, -1.41601562e-01, -3.02734375e-01,
         1.95312500e-02, -1.44042969e-02,  1.00097656e-01, -2.06298828e-02,
        -4.68750000e-02, -2.05078125e-01, -1.62353516e-02, -1.95312500e-01,
```

```
         4.83398438e-02,  1.27929688e-01, -2.64892578e-02, -3.00292969e-02,
         6.34765625e-02, -7.27539062e-02,  7.86132812e-02,  7.03125000e-02,
        -3.24707031e-02, -1.29882812e-01, -1.56250000e-01,  8.10546875e-02,
        -3.06640625e-01, -7.87353516e-03,  2.05078125e-01, -1.55273438e-01,
        -1.59179688e-01,  8.78906250e-02,  7.51953125e-02, -1.69921875e-01,
        -2.49023438e-01, -1.27929688e-01, -7.61718750e-02,  1.25000000e-01,
        -2.14843750e-01,  6.43920898e-03, -1.25122070e-02, -1.02539062e-01,
         5.39550781e-02,  1.26953125e-01,  1.20605469e-01,  1.05957031e-01,
         6.59179688e-02,  1.66015625e-01, -6.78710938e-02,  8.39843750e-02,
         9.86328125e-02,  6.34765625e-02, -8.20312500e-02,  2.48046875e-01,
        -3.59375000e-01, -1.35742188e-01, -9.64355469e-03, -2.06054688e-01,
         2.03125000e-01,  1.69677734e-02, -8.83789062e-02,  1.23535156e-01,
         2.85156250e-01,  1.61132812e-01, -1.59179688e-01,  3.37890625e-01,
         1.10839844e-01, -3.58886719e-02, -3.22265625e-02,  3.86718750e-01,
         9.08203125e-02,  2.92968750e-01,  1.35498047e-02, -1.08886719e-01,
         2.87109375e-01,  1.10839844e-01,  7.03125000e-02,  1.06445312e-01,
        -2.51953125e-01, -1.81640625e-01, -4.25781250e-01, -7.15255737e-05,
         8.05664062e-02, -1.44531250e-01, -1.91406250e-01, -3.41796875e-0
2],
       dtype=float32),
 'attendance': array([ 0.30664062,  0.00135803,  0.08886719,  0.05322266, -
0.12011719,
         0.02050781,  0.00793457, -0.0703125 , -0.03662109,  0.12158203,
        -0.04101562,  0.11328125, -0.0378418 ,  0.19628906,  0.015625  ,
         0.13085938,  0.07910156, -0.17578125,  0.01000977,  0.07617188,
         0.12695312,  0.05273438,  0.05126953, -0.12988281, -0.140625  ,
        -0.17773438, -0.10107422,  0.234375  , -0.22851562,  0.00695801,
         0.02294922, -0.13769531, -0.04272461,  0.06933594,  0.2734375 ,
        -0.09960938,  0.32226562,  0.23339844,  0.13769531,  0.12988281,
         0.15039062,  0.01019287,  0.05908203, -0.12597656,  0.06298828,
        -0.00958252, -0.27148438, -0.05493164, -0.24121094,  0.1484375 ,
        -0.07617188, -0.36132812, -0.05957031,  0.19335938,  0.33789062,
         0.01239014, -0.03100586,  0.25585938,  0.00057983,  0.09667969,
         0.06347656, -0.10351562,  0.13867188, -0.23339844,  0.06201172,
        -0.05688477, -0.18554688, -0.04150391,  0.21289062,  0.14355469,
        -0.12890625, -0.22070312,  0.26757812,  0.10400391, -0.08544922,
        -0.06103516,  0.02600098,  0.05737305,  0.27539062,  0.02941895,
         0.16308594, -0.19921875, -0.3046875 ,  0.39257812, -0.00674438,
        -0.109375  , -0.109375  , -0.19140625, -0.08740234, -0.14746094,
         0.14941406, -0.06542969,  0.078125  , -0.515625  ,  0.15332031,
        -0.09375   ,  0.3046875 ,  0.0703125 , -0.20507812,  0.01391602,
         0.11083984,  0.09326172,  0.03735352, -0.12695312, -0.04931641,
        -0.04223633,  0.04467773,  0.20507812, -0.13574219, -0.27148438,
         0.03686523,  0.07568359, -0.06982422, -0.2265625 ,  0.13378906,
        -0.07763672,  0.17675781, -0.44140625,  0.16601562, -0.13867188,
        -0.27539062,  0.33398438,  0.42578125, -0.12402344,  0.23828125,
        -0.07714844, -0.18164062, -0.13671875,  0.00909424,  0.05029297,
         0.07128906, -0.16601562,  0.01171875, -0.26367188, -0.17480469,
         0.01879883,  0.03100586, -0.02978516, -0.09863281,  0.02319336,
        -0.24902344,  0.07324219, -0.05908203, -0.20703125, -0.11523438,
         0.16699219,  0.36914062, -0.06494141,  0.18359375,  0.24414062,
        -0.28320312,  0.13476562, -0.28515625,  0.234375  ,  0.12890625,
        -0.19042969,  0.20410156, -0.3515625 ,  0.07275391, -0.08642578,
        -0.32421875, -0.13769531,  0.06640625,  0.15234375, -0.09228516,
         0.07861328, -0.18164062, -0.19726562,  0.03588867,  0.14453125,
        -0.125     , -0.16894531,  0.15234375, -0.17773438, -0.07519531,
         0.0480957 , -0.03320312, -0.02490234, -0.01696777, -0.07714844,
        -0.02233887, -0.04931641,  0.32421875, -0.00946045,  0.39453125,
         0.00244141, -0.00056839, -0.33203125, -0.19335938,  0.27929688,
         0.03759766,  0.05688477,  0.01831055,  0.13769531, -0.2109375 ,
         0.07226562,  0.3203125 ,  0.00095367, -0.09375   , -0.22167969,
         0.18457031,  0.14160156, -0.24121094, -0.546875  ,  0.29882812,
        -0.42382812, -0.05224609,  0.15136719, -0.01489258,  0.51953125,
         0.13476562,  0.17480469,  0.05566406, -0.26757812, -0.36914062,
```

```
         0.15917969,  0.12060547, -0.10107422, -0.27734375,  0.23828125,
        -0.09033203,  0.12353516,  0.05249023,  0.10009766,  0.0534668 ,
        -0.28515625,  0.04956055,  0.18164062,  0.24707031, -0.2109375 ,
         0.13183594,  0.1875    ,  0.12988281, -0.13183594, -0.05004883,
         0.18359375,  0.21386719, -0.24121094,  0.21582031, -0.02893066,
         0.25390625, -0.16992188,  0.203125  , -0.20507812, -0.10791016,
         0.203125  , -0.04467773,  0.03222656, -0.13476562, -0.15527344,
        -0.29101562,  0.140625  , -0.08056641, -0.05151367, -0.12402344,
        -0.08984375,  0.359375  , -0.05810547, -0.55859375,  0.01904297,
         0.15332031,  0.02197266,  0.07666016,  0.24707031,  0.125     ,
         0.06738281, -0.00064087,  0.38671875, -0.05419922, -0.17871094,
        -0.24804688,  0.08105469, -0.14648438, -0.10058594,  0.11767578,
        -0.18261719,  0.04931641, -0.07373047,  0.11767578, -0.15234375,
         0.09960938, -0.14355469,  0.03198242, -0.05078125,  0.05541992,
        -0.09814453, -0.01043701, -0.09667969, -0.01757812,  0.01031494,
        -0.04516602, -0.02209473, -0.01208496,  0.14550781,  0.30664062,
         0.06347656,  0.15136719,  0.1640625 ,  0.03125   , -0.27929688],
       dtype=float32),
 'regular': array([-8.10546875e-02,  1.52343750e-01, -2.33398438e-01,  4.85
839844e-02,
        -1.70898438e-01,  1.92382812e-01,  1.25976562e-01,  8.54492188e-02,
         1.63085938e-01,  1.43554688e-01, -1.44042969e-02,  7.51953125e-02,
         1.31835938e-01,  2.24609375e-01, -1.31835938e-01,  1.15722656e-01,
         8.49609375e-02, -4.17480469e-02,  2.19726562e-01,  3.41796875e-02,
         1.44042969e-02, -4.27246094e-02, -3.08593750e-01,  8.98437500e-02,
        -3.75976562e-02, -4.85839844e-02, -8.78906250e-02,  1.88476562e-01,
        -9.66796875e-02,  8.36181641e-03, -1.08398438e-01, -1.19628906e-01,
         1.31835938e-01, -1.19140625e-01,  8.20312500e-02, -3.90625000e-02,
        -3.95507812e-02, -2.41699219e-02, -4.76074219e-03,  2.29492188e-02,
        -2.53906250e-02, -1.38671875e-01,  2.57812500e-01,  1.16699219e-01,
        -5.76171875e-02, -1.05468750e-01,  3.72314453e-03,  1.00708008e-02,
         1.64062500e-01, -3.34472656e-02, -6.39648438e-02, -7.71484375e-02,
        -1.31225586e-02,  1.40625000e-01, -1.76757812e-01, -6.28662109e-03,
        -9.47265625e-02, -1.59179688e-01,  2.55859375e-01, -1.79687500e-01,
        -2.36328125e-01,  1.72851562e-01,  9.57031250e-02,  1.68945312e-01,
         1.27929688e-01,  6.39648438e-02, -1.97265625e-01,  8.00781250e-02,
        -4.02832031e-02,  8.49609375e-02,  1.20117188e-01,  2.20947266e-02,
         6.88476562e-02,  1.40625000e-01, -1.81640625e-01, -7.95898438e-02,
        -3.82995605e-03,  4.73632812e-02, -4.12597656e-02,  2.80380249e-04,
        -1.56250000e-01, -1.59179688e-01,  3.01513672e-02,  3.71093750e-02,
        -1.07421875e-01, -3.17382812e-02, -1.49414062e-01, -2.50244141e-02,
         1.54296875e-01,  7.03125000e-02, -2.23632812e-01, -3.83300781e-02,
        -5.39550781e-02, -3.20312500e-01, -2.47802734e-02, -1.33666992e-02,
        -4.71191406e-02, -9.22851562e-02, -1.54296875e-01,  2.57568359e-02,
         5.22460938e-02, -9.52148438e-02, -1.17675781e-01,  1.50390625e-01,
        -9.37500000e-02, -2.41699219e-02, -1.54876709e-03,  7.17773438e-02,
        -1.63574219e-02, -9.91210938e-02,  3.24218750e-01, -2.55859375e-01,
        -2.21679688e-01, -1.38671875e-01,  1.27929688e-01, -6.44531250e-02,
         2.32421875e-01,  9.76562500e-02,  2.00195312e-01, -1.09252930e-02,
         5.71289062e-02, -6.15234375e-02,  6.78710938e-02,  2.45117188e-01,
        -9.47265625e-02,  8.69140625e-02, -6.93359375e-02, -1.52343750e-01,
         1.94549561e-03, -1.45263672e-02, -1.11816406e-01, -2.26562500e-01,
        -1.00097656e-01,  4.15039062e-02, -6.15234375e-02, -4.44335938e-02,
        -6.59179688e-02,  2.03125000e-01, -5.05371094e-02,  1.47460938e-01,
         2.75878906e-02,  1.51367188e-01,  6.68945312e-02, -1.02050781e-01,
         1.36718750e-01, -1.36718750e-02,  2.03857422e-02, -1.22558594e-01,
        -9.81445312e-02, -1.36108398e-02,  4.11987305e-03,  1.03515625e-01,
        -2.18750000e-01, -4.80957031e-02, -4.98046875e-02, -2.09960938e-01,
         1.48437500e-01, -5.24902344e-02,  3.85742188e-02, -5.85937500e-03,
        -9.08203125e-02,  1.46484375e-01, -6.12792969e-02,  9.03320312e-02,
         5.12695312e-02,  1.08398438e-01, -1.23046875e-01, -8.69140625e-02,
         8.39843750e-02, -1.23535156e-01, -1.08886719e-01, -1.61132812e-01,
         7.03125000e-02, -2.41699219e-02, -6.34765625e-02, -6.17675781e-02,
         5.85937500e-02, -2.04101562e-01, -2.04101562e-01,  1.38671875e-01,
```

```
         2.94494629e-03, -1.09863281e-02,  1.71875000e-01,  1.21093750e-01,
         1.01562500e-01,  3.54003906e-02,  1.03515625e-01, -2.21679688e-01,
         2.41210938e-01,  2.08984375e-01,  8.59375000e-02, -5.51757812e-02,
         1.33666992e-02, -6.29882812e-02, -8.44726562e-02, -2.47070312e-01,
         4.07714844e-02,  8.74023438e-02, -2.98828125e-01,  8.49609375e-02,
        -4.19921875e-02,  1.51367188e-01,  1.69921875e-01,  1.27929688e-01,
         2.53906250e-01, -1.64062500e-01, -1.09863281e-01, -1.80664062e-02,
         5.90820312e-02, -1.54296875e-01, -1.58203125e-01, -3.73535156e-02,
        -1.05468750e-01,  6.25000000e-02, -2.05078125e-01,  7.47070312e-02,
         1.62109375e-01, -5.00488281e-02, -1.42578125e-01, -1.22070312e-01,
         3.46679688e-02,  2.59765625e-01,  1.02539062e-02,  1.74560547e-02,
        -3.66210938e-02, -1.46484375e-01, -8.20312500e-02,  1.69921875e-01,
         6.73828125e-02, -3.51562500e-02, -5.59082031e-02, -6.29882812e-02,
         2.27539062e-01,  1.90429688e-01, -6.68945312e-02,  1.02050781e-01,
        -2.70996094e-02,  1.69677734e-02, -1.79687500e-01,  7.71484375e-02,
         1.99218750e-01, -3.80859375e-02,  2.01416016e-02, -3.20312500e-01,
        -3.54003906e-02,  1.62109375e-01,  5.73730469e-02, -1.47460938e-01,
        -1.29882812e-01, -1.71875000e-01, -6.15234375e-02,  1.29394531e-02,
         2.87109375e-01, -1.54296875e-01, -7.71484375e-02, -1.72119141e-02,
        -1.19628906e-02, -7.32421875e-02, -7.03125000e-02,  1.82617188e-01,
         2.96875000e-01,  1.33789062e-01, -3.54003906e-02,  1.38671875e-01,
         1.73828125e-01, -1.36718750e-02,  3.36914062e-02,  1.86523438e-01,
        -5.20019531e-02, -5.90820312e-02,  2.03125000e-01,  9.32617188e-02,
        -7.08007812e-02,  1.90429688e-02,  1.30859375e-01, -1.04003906e-01,
        -8.88671875e-02, -1.51367188e-01,  7.86132812e-02, -8.49609375e-02,
        -1.76757812e-01, -7.61718750e-02,  6.29882812e-02,  6.78710938e-02,
         1.12304688e-01, -1.14257812e-01, -1.65039062e-01,  3.46679688e-02,
         2.14843750e-01,  1.11694336e-02,  1.27929688e-01, -1.40625000e-01,
         1.29882812e-01,  1.20849609e-02,  1.15966797e-02,  5.81054688e-02,
        -2.56347656e-02, -2.13623047e-02, -3.51562500e-02, -8.25195312e-0
2],
       dtype=float32),
 'meeting': array([-1.90429688e-01,  8.39843750e-02,  6.12792969e-02, -4.54
101562e-02,
        -7.37304688e-02, -9.03320312e-02,  1.26953125e-01, -2.65625000e-01,
         1.73828125e-01,  1.24023438e-01, -2.69775391e-02,  1.17675781e-01,
         6.25000000e-02,  2.72216797e-02, -1.35742188e-01,  6.56127930e-03,
         8.54492188e-02,  2.67578125e-01,  6.34765625e-02, -4.85839844e-02,
         2.63671875e-01,  7.03125000e-02, -1.06445312e-01,  1.94091797e-02,
        -1.56250000e-02,  1.19140625e-01, -2.08984375e-01,  1.84570312e-01,
        -1.16699219e-01, -1.61132812e-01, -3.12500000e-02, -2.53906250e-01,
         4.15039062e-02, -6.92749023e-03,  4.24804688e-02, -7.12890625e-02,
         3.43750000e-01,  7.37304688e-02, -1.86767578e-02, -2.11181641e-02,
        -6.64062500e-02,  1.84570312e-01,  1.18164062e-01,  1.51367188e-01,
        -2.91015625e-01, -1.41601562e-01, -2.94189453e-02, -3.24707031e-02,
        -3.20312500e-01,  4.25781250e-01,  7.56835938e-02,  7.27539062e-02,
         9.17968750e-02,  5.00488281e-02, -9.09423828e-03, -5.98144531e-02,
        -5.59082031e-02,  1.61132812e-02,  1.86523438e-01, -8.78906250e-02,
        -1.95312500e-01,  1.82617188e-01, -2.04101562e-01,  1.56250000e-02,
        -1.72851562e-01,  2.12402344e-02, -1.74804688e-01,  2.20703125e-01,
         3.12500000e-01, -8.83789062e-02, -7.51953125e-02, -2.20703125e-01,
         5.41992188e-02, -4.17480469e-02, -2.18750000e-01,  2.61718750e-01,
         9.58251953e-03,  3.75976562e-02,  1.30859375e-01,  2.37304688e-01,
         9.57031250e-02, -2.59765625e-01, -4.19921875e-02,  1.26953125e-01,
         2.57812500e-01, -2.39257812e-01, -1.73828125e-01, -2.61718750e-01,
         1.64062500e-01,  1.13769531e-01,  1.28906250e-01, -1.75781250e-01,
         5.95703125e-02, -1.68945312e-01, -1.59179688e-01, -2.94921875e-01,
        -7.22656250e-02,  1.12304688e-02, -4.49218750e-02, -3.93066406e-02,
        -3.75976562e-02, -1.16699219e-01, -1.26953125e-01,  2.03125000e-01,
         1.25122070e-02,  1.81640625e-01, -1.44653320e-02, -1.63085938e-01,
        -8.48388672e-03, -1.22070312e-01,  6.44531250e-02, -1.94335938e-01,
         8.54492188e-02, -3.01513672e-02,  1.17675781e-01, -1.12304688e-01,
         3.26171875e-01, -1.74804688e-01,  1.46484375e-01, -3.24218750e-01,
        -1.23291016e-02, -1.39160156e-02,  7.86132812e-02, -3.05175781e-02,
```

```
        -1.80664062e-01, -1.07421875e-02, -5.15136719e-02, -3.83300781e-02,
         1.75781250e-01,  6.25000000e-02, -1.47705078e-02, -2.02148438e-01,
         2.04101562e-01, -2.06054688e-01,  3.02734375e-02, -1.01562500e-01,
        -2.73437500e-02,  1.41601562e-01, -2.89062500e-01,  1.02539062e-01,
        -5.95092773e-03,  2.19726562e-01, -2.89306641e-02, -3.80859375e-01,
         5.37109375e-02, -2.92968750e-02, -1.48437500e-01, -1.66015625e-01,
         6.03027344e-02,  2.55859375e-01, -2.83203125e-02, -3.68652344e-02,
        -1.07421875e-01,  1.57226562e-01,  2.26562500e-01, -1.64062500e-01,
         3.00292969e-02,  2.13623047e-02,  4.27246094e-02, -9.81445312e-02,
        -1.95312500e-02,  9.17968750e-02, -5.24902344e-02, -1.39648438e-01,
        -2.69531250e-01,  8.30078125e-02,  2.35595703e-02,  1.34765625e-01,
         2.51953125e-01, -1.84326172e-02, -2.96630859e-02, -1.95312500e-02,
         1.57928467e-03,  6.34765625e-02,  9.03320312e-02, -2.44140625e-01,
         9.08203125e-02,  1.52343750e-01, -1.43554688e-01, -8.30078125e-02,
         1.23046875e-01,  1.74804688e-01,  1.63085938e-01,  1.43432617e-03,
         1.73828125e-01, -3.93066406e-02, -9.91210938e-02, -1.77734375e-01,
         9.22851562e-02,  7.91015625e-02,  1.30859375e-01,  7.61718750e-02,
         1.26953125e-01,  1.98242188e-01,  2.30712891e-02,  1.79687500e-01,
        -7.81250000e-02,  1.13769531e-01, -8.15429688e-02,  1.16729736e-03,
         1.18652344e-01,  1.47460938e-01,  2.15820312e-01, -7.81250000e-02,
         2.11914062e-01, -1.47705078e-02,  8.49609375e-02,  1.35742188e-01,
         2.24609375e-01, -6.88476562e-02,  8.39843750e-02, -2.55859375e-01,
        -1.66015625e-01, -1.65039062e-01, -1.29882812e-01,  1.07910156e-01,
         1.14746094e-01, -1.03515625e-01,  4.71191406e-02,  1.26953125e-01,
         1.19018555e-02,  2.81250000e-01, -1.48315430e-02,  6.68945312e-02,
         1.64062500e-01, -1.31835938e-01, -1.00097656e-01,  2.32421875e-01,
         1.24023438e-01,  1.61132812e-01,  4.56542969e-02, -6.46972656e-03,
         3.75976562e-02,  3.95507812e-02,  3.49609375e-01, -2.35595703e-02,
         8.00781250e-02, -4.61425781e-02,  1.05468750e-01,  1.53808594e-02,
         5.49316406e-02, -1.14257812e-01, -1.10839844e-01,  4.78515625e-02,
        -1.74804688e-01, -1.31835938e-01, -4.19921875e-02, -2.32421875e-01,
         2.10937500e-01,  2.19726562e-01, -1.82617188e-01,  2.75390625e-01,
        -1.19140625e-01,  3.29971313e-04,  1.66015625e-01,  1.91406250e-01,
         1.82617188e-01, -5.46264648e-03,  1.20117188e-01,  2.71484375e-01,
        -1.24511719e-01, -1.45507812e-01, -1.36108398e-02, -3.63769531e-02,
        -2.92968750e-03,  1.33789062e-01,  1.53320312e-01,  1.47460938e-01,
        -3.12500000e-01,  6.07910156e-02,  1.65039062e-01,  1.46484375e-01,
        -8.49609375e-02, -7.81250000e-02,  1.68945312e-01, -9.66796875e-02,
        -9.27734375e-03, -2.01416016e-02, -2.22656250e-01,  1.45507812e-01,
         1.36718750e-01, -1.56250000e-01, -1.61132812e-01,  2.51953125e-01,
         6.88476562e-02, -3.58886719e-02, -6.20117188e-02,  1.62109375e-01,
         4.27246094e-02,  1.03515625e-01, -6.73828125e-02, -2.08984375e-01,
         1.00585938e-01,  1.33789062e-01,  4.76074219e-02, -8.20312500e-02,
        -3.00781250e-01,  1.15722656e-01, -8.59375000e-02, -1.06445312e-0
1],
       dtype=float32),
 'completion': array([-2.55859375e-01, -1.36566162e-03, -1.31225586e-02,
1.44531250e-01,
        -1.50146484e-02, -3.67187500e-01,  1.48437500e-01, -1.29882812e-01,
         6.32812500e-01,  1.51367188e-01,  7.26318359e-03, -8.54492188e-02,
         9.27734375e-02,  9.66796875e-02, -1.51367188e-01, -7.26318359e-03,
         3.36914062e-02, -3.71093750e-01, -9.71679688e-02,  1.17187500e-02,
        -3.08593750e-01,  2.35351562e-01,  5.98144531e-02,  4.16015625e-01,
         1.74804688e-01, -4.32128906e-02, -6.68945312e-02, -2.08007812e-01,
        -3.27148438e-02,  4.94384766e-03,  1.84570312e-01, -2.00195312e-01,
        -5.10253906e-02, -2.43164062e-01, -2.75390625e-01,  3.02734375e-01,
        -1.53320312e-01, -2.33398438e-01,  2.61718750e-01, -3.16406250e-01,
         4.41894531e-02,  1.27929688e-01,  1.17187500e-01,  3.37890625e-01,
        -7.12890625e-02, -3.39843750e-01, -1.47460938e-01, -1.28173828e-02,
        -1.84570312e-01,  7.12890625e-02,  1.10839844e-01, -8.44726562e-02,
         1.23535156e-01, -1.61132812e-01,  6.64062500e-02,  1.33789062e-01,
        -7.61718750e-02,  2.12402344e-02,  8.83789062e-02,  1.07421875e-01,
        -2.48046875e-01, -1.84326172e-02, -2.18750000e-01, -3.28125000e-01,
         1.22558594e-01,  4.34570312e-02, -1.92382812e-01, -4.98046875e-02,
```

```
        -1.81640625e-01,  1.37695312e-01,  7.08007812e-02, -2.17773438e-01,
         1.19018555e-02,  2.28515625e-01,  6.54296875e-02, -2.08007812e-01,
        -1.68945312e-01,  2.15820312e-01, -6.34765625e-02,  3.32031250e-01,
        -9.52148438e-02, -2.17773438e-01,  1.86767578e-02, -1.97753906e-02,
         2.50000000e-01,  6.64062500e-02,  8.93554688e-02, -3.47900391e-03,
         3.65234375e-01,  1.61132812e-02,  1.44531250e-01, -2.55859375e-01,
         1.74804688e-01, -2.26562500e-01,  1.18408203e-02,  8.83789062e-02,
        -9.37500000e-02, -2.26562500e-01, -1.01562500e-01,  1.16699219e-01,
         1.33789062e-01, -1.14257812e-01,  2.56347656e-02, -1.07910156e-01,
        -4.02832031e-03, -3.34472656e-02, -1.10473633e-02,  1.63085938e-01,
        -1.17187500e-01, -7.51953125e-02,  1.05468750e-01,  1.92382812e-01,
        -5.56640625e-02, -2.45666504e-03,  1.58203125e-01,  2.09960938e-01,
        -8.49609375e-02, -6.01196289e-03,  1.22070312e-01,  1.19628906e-01,
        -2.70996094e-02,  1.06933594e-01,  2.07031250e-01,  7.91015625e-02,
         5.21850586e-03,  1.28906250e-01, -8.59375000e-02, -1.06445312e-01,
         7.40051270e-04,  2.44140625e-01,  1.57226562e-01,  1.44531250e-01,
        -1.07910156e-01, -3.18359375e-01, -2.13867188e-01,  1.87500000e-01,
        -2.61230469e-02,  5.81054688e-02, -1.94335938e-01,  3.06640625e-01,
        -2.77343750e-01, -1.24023438e-01, -1.94335938e-01,  3.22265625e-01,
         3.54003906e-02,  7.76367188e-02, -1.15234375e-01,  5.98144531e-02,
        -2.31445312e-01, -1.61132812e-01,  4.56542969e-02,  3.36914062e-02,
         1.54296875e-01, -4.76074219e-02, -5.32226562e-02,  4.85839844e-02,
         1.40380859e-02, -6.68945312e-02,  1.07421875e-01,  1.60156250e-01,
         1.03149414e-02,  3.51562500e-02,  7.38525391e-03,  1.97265625e-01,
        -2.75390625e-01, -3.61328125e-02,  2.00195312e-01, -1.02539062e-02,
         4.34570312e-02, -1.54296875e-01,  1.22070312e-01, -4.58984375e-01,
         6.17675781e-02, -2.59765625e-01,  9.37500000e-02, -1.11328125e-01,
        -5.27343750e-02, -4.71191406e-02,  1.36718750e-01, -1.45507812e-01,
        -1.20605469e-01,  1.07910156e-01,  1.35742188e-01, -3.17382812e-03,
         9.33837891e-03,  3.16406250e-01,  1.64062500e-01, -6.07910156e-02,
         5.39062500e-01,  3.35937500e-01, -1.65039062e-01,  4.68750000e-02,
        -3.95507812e-02, -1.74804688e-01,  6.49414062e-02, -3.05175781e-02,
         1.10351562e-01,  1.98242188e-01,  1.06933594e-01,  1.16210938e-01,
         1.25976562e-01,  2.07031250e-01,  1.98974609e-02, -1.44531250e-01,
         1.28906250e-01,  4.98046875e-02, -4.22363281e-02,  5.24902344e-02,
         3.14453125e-01,  2.36328125e-01, -3.03955078e-02,  9.61914062e-02,
        -7.27539062e-02,  1.25000000e-01, -1.62109375e-01,  1.48437500e-01,
         1.07910156e-01, -1.72851562e-01,  2.13867188e-01, -3.29589844e-02,
         1.60156250e-01, -1.68945312e-01, -2.25585938e-01, -6.54296875e-02,
         2.67578125e-01,  6.49414062e-02, -1.23535156e-01,  1.04492188e-01,
        -1.39648438e-01, -1.37695312e-01,  1.55273438e-01,  3.00781250e-01,
        -1.77734375e-01, -7.95898438e-02, -1.28906250e-01, -8.15429688e-02,
        -1.05590820e-02, -5.88378906e-02,  2.41210938e-01,  2.49023438e-01,
        -1.54296875e-01,  3.27148438e-02, -2.92968750e-01, -4.00390625e-01,
        -7.51953125e-02, -3.14453125e-01, -1.78710938e-01, -1.78222656e-02,
        -2.55859375e-01, -4.73632812e-02,  5.32226562e-02,  2.28515625e-01,
        -1.56250000e-02,  8.00781250e-02,  1.74804688e-01,  8.98437500e-02,
         2.63671875e-01, -1.87500000e-01, -1.67968750e-01,  9.52148438e-02,
         1.26953125e-01, -1.46484375e-01, -1.44531250e-01,  1.07421875e-01,
         1.62109375e-01,  6.00585938e-02,  2.53906250e-01, -1.70898438e-01,
        -5.37109375e-02,  2.57812500e-01,  1.94091797e-02, -1.72851562e-01,
        -9.52148438e-02, -1.11816406e-01,  1.65039062e-01,  1.60156250e-01,
         7.86132812e-02, -7.17773438e-02, -2.33154297e-02, -1.08398438e-01,
         2.20703125e-01,  1.18652344e-01, -1.26953125e-01,  2.71484375e-01,
        -7.91015625e-02, -3.83377075e-04, -6.98242188e-02,  1.81884766e-02,
         1.51367188e-01, -1.61132812e-02, -8.83789062e-02,  3.98437500e-01,
        -2.92968750e-01,  1.34765625e-01,  3.80859375e-01,  1.57226562e-01,
        -2.81982422e-02, -1.28173828e-02, -1.81640625e-01, -1.31835938e-0
1],
       dtype=float32),
 'form': array([ 8.34960938e-02, -7.29370117e-03, -2.64892578e-02, -5.95703
125e-02,
        -2.25585938e-01,  3.19824219e-02,  3.88183594e-02, -1.85546875e-01,
        -1.16699219e-01, -5.00488281e-03,  8.39843750e-02, -8.93554688e-02,
```

```
-1.42578125e-01,  3.36914062e-02, -9.32617188e-02,  2.63671875e-01,
 2.44140625e-01,  3.07617188e-02,  1.48315430e-02, -1.58691406e-02,
 2.64892578e-02, -1.31835938e-02, -1.66992188e-01, -1.12792969e-01,
 1.55639648e-02, -1.53320312e-01, -1.18164062e-01,  4.02832031e-02,
-8.04901123e-04,  1.30859375e-01, -1.04003906e-01,  9.08203125e-02,
-7.12890625e-02,  2.15820312e-01, -1.82617188e-01,  3.10546875e-01,
-1.04980469e-01,  7.17773438e-02,  5.88378906e-02,  8.88671875e-02,
 8.93554688e-02,  1.46484375e-01,  1.53320312e-01,  1.60156250e-01,
 1.36718750e-01, -1.34765625e-01,  1.87988281e-02,  6.05468750e-02,
 3.61328125e-02,  1.11816406e-01, -1.29882812e-01, -2.50244141e-02,
-2.78320312e-02, -1.66015625e-02,  1.54296875e-01,  1.66015625e-01,
-7.81250000e-02, -1.97265625e-01, -8.10546875e-02, -1.88476562e-01,
 1.12792969e-01,  1.78222656e-02, -1.73828125e-01,  1.04980469e-01,
-1.68945312e-01,  1.49414062e-01, -5.78613281e-02,  9.61914062e-02,
-9.33837891e-03,  3.00781250e-01,  6.73828125e-02, -1.25976562e-01,
 1.31835938e-01, -2.39257812e-02, -4.00390625e-02, -1.57226562e-01,
 8.69140625e-02, -1.23291016e-02, -6.22558594e-02,  2.14843750e-01,
 1.66015625e-02, -4.68750000e-01,  7.32421875e-02, -1.37695312e-01,
 2.53906250e-01,  1.23535156e-01, -1.19140625e-01, -8.74023438e-02,
-2.09960938e-02, -3.54003906e-03,  2.73437500e-02, -6.83593750e-02,
-8.20312500e-02, -7.17773438e-02,  4.54101562e-02,  4.24804688e-02,
-5.12695312e-02, -6.29882812e-02,  8.72802734e-03, -3.90625000e-02,
-8.78906250e-02,  1.06445312e-01, -1.13769531e-01,  1.46484375e-01,
-1.05957031e-01, -1.24023438e-01, -7.86132812e-02, -5.31005859e-03,
 2.28271484e-02,  1.36718750e-01, -1.51367188e-01,  1.01562500e-01,
 5.88378906e-02,  8.74023438e-02, -4.49218750e-02, -1.28906250e-01,
-5.49316406e-03,  2.50244141e-02,  1.23535156e-01,  1.22070312e-01,
-2.05078125e-02, -2.06054688e-01,  9.61914062e-02,  7.47070312e-02,
-1.92871094e-02, -1.51367188e-02, -2.61230469e-02,  1.54418945e-02,
 1.07910156e-01,  3.46679688e-02, -9.08203125e-02, -2.02148438e-01,
-9.32617188e-02, -1.75781250e-02,  2.53906250e-02, -1.15722656e-01,
-7.12890625e-02, -2.40234375e-01, -1.74804688e-01,  1.37695312e-01,
 1.27929688e-01,  8.23974609e-03,  1.07421875e-01,  8.69140625e-02,
 1.01074219e-01, -1.93359375e-01, -1.04370117e-02, -1.46484375e-01,
-1.11328125e-01,  1.28906250e-01,  3.32031250e-01,  1.75781250e-02,
-3.51562500e-02,  1.30859375e-01,  2.16796875e-01, -1.84570312e-01,
 6.05468750e-02, -2.50000000e-01,  8.30078125e-02, -1.63574219e-02,
 5.46875000e-02, -5.78613281e-02, -1.88476562e-01, -9.32617188e-02,
-3.56445312e-02, -2.14843750e-01,  4.41894531e-02, -2.22656250e-01,
-2.44140625e-01, -7.08007812e-02,  2.90527344e-02, -1.67968750e-01,
 7.08007812e-02,  1.21093750e-01,  1.22558594e-01, -6.15234375e-02,
-2.28271484e-02, -2.17773438e-01, -4.24804688e-02,  1.73828125e-01,
 8.44726562e-02, -3.08837891e-02, -1.16210938e-01,  1.16210938e-01,
-7.71484375e-02, -2.11914062e-01, -6.93359375e-02,  1.90429688e-02,
-1.00585938e-01,  7.86132812e-02,  7.51953125e-02,  2.46582031e-02,
-1.92382812e-01, -2.59765625e-01, -1.55273438e-01, -2.03125000e-01,
 7.81250000e-02,  1.34277344e-02, -8.59375000e-02, -6.68945312e-02,
 2.41699219e-02,  6.93359375e-02, -1.21093750e-01, -3.43322754e-03,
 5.29785156e-02, -1.35742188e-01, -6.29882812e-02,  2.10571289e-03,
 1.51367188e-01, -1.63085938e-01, -4.12597656e-02, -1.55273438e-01,
-1.45507812e-01,  1.36718750e-01, -2.09960938e-01, -1.15356445e-02,
 1.20849609e-02, -3.51562500e-02, -2.74658203e-02,  8.49609375e-02,
 5.20019531e-02, -1.05468750e-01, -9.03320312e-02,  1.06933594e-01,
-2.08984375e-01,  6.29882812e-02,  1.62109375e-01, -1.99218750e-01,
 1.28906250e-01,  4.88281250e-02,  1.08032227e-02,  1.13525391e-02,
 2.01171875e-01,  5.54199219e-02,  1.55639648e-02,  1.78710938e-01,
-2.94189453e-02, -6.25000000e-02,  5.73730469e-02, -5.15136719e-02,
 7.03125000e-02,  1.94091797e-02,  2.28515625e-01, -5.85937500e-02,
 2.11914062e-01,  7.56835938e-02,  9.91210938e-02,  2.87109375e-01,
 8.59375000e-02,  1.62109375e-01,  2.08984375e-01, -8.60595703e-03,
 1.62109375e-01,  9.22851562e-02, -4.17480469e-02,  3.19824219e-02,
-5.88378906e-02,  7.47070312e-02, -1.29882812e-01,  8.39843750e-02,
 1.28906250e-01,  3.71093750e-02, -1.57226562e-01, -5.49316406e-03,
 1.47094727e-02, -5.63964844e-02,  2.01171875e-01, -2.46582031e-02,
```

```
         5.03063202e-05, -2.63671875e-01,  1.95312500e-01,  1.89453125e-01,
         2.92968750e-02, -1.30859375e-01,  6.83593750e-02, -9.09423828e-03,
        -1.35742188e-01, -3.28125000e-01, -1.26953125e-02,  9.86328125e-02,
        -7.99560547e-03,  6.49414062e-02,  1.00585938e-01,  8.15429688e-02,
        -8.74023438e-02,  1.28784180e-02,  9.76562500e-02,  1.49414062e-01,
        -8.34960938e-02,  7.51953125e-02, -2.75390625e-01, -1.83105469e-02,
         6.15234375e-02, -1.10839844e-01, -7.42187500e-02,  6.34765625e-02,
        -1.40380859e-02,  3.14941406e-02, -2.64892578e-02,  5.12695312e-0
2],
       dtype=float32),
 'weekly': array([-0.12792969, -0.03881836, -0.24023438,  0.01879883,  0.10
742188,
        -0.03320312, -0.21484375, -0.05224609,  0.21289062,  0.18554688,
         0.01501465,  0.08740234,  0.38085938,  0.21289062, -0.11328125,
         0.11816406, -0.21582031,  0.06982422,  0.203125  , -0.12060547,
         0.16699219,  0.05517578, -0.2578125 ,  0.16894531, -0.20800781,
        -0.15429688,  0.11181641,  0.421875  ,  0.04394531, -0.0133667 ,
        -0.05908203, -0.18066406,  0.11523438, -0.13085938,  0.05712891,
        -0.04858398,  0.07958984, -0.15234375, -0.0859375 , -0.09326172,
        -0.10400391, -0.32226562,  0.23535156,  0.25195312, -0.24707031,
         0.0625    , -0.078125  , -0.05541992,  0.02685547, -0.13574219,
        -0.15527344, -0.17480469, -0.00195312,  0.27734375, -0.00177002,
        -0.10498047, -0.0133667 , -0.00723267,  0.14355469, -0.16601562,
         0.05712891,  0.14160156, -0.03149414,  0.02868652,  0.28125   ,
         0.06201172,  0.0703125 ,  0.04833984,  0.05761719,  0.15332031,
        -0.02441406, -0.00909424,  0.171875  ,  0.07568359, -0.10839844,
         0.16503906, -0.09326172,  0.25976562, -0.12255859, -0.05444336,
         0.0267334 , -0.21777344,  0.00482178,  0.15429688,  0.01806641,
        -0.15625   , -0.27734375,  0.09716797,  0.27539062,  0.06030273,
         0.01361084, -0.07519531, -0.06591797, -0.55078125, -0.3359375 ,
         0.08544922,  0.08984375, -0.06542969, -0.05395508, -0.14160156,
         0.36328125, -0.03393555,  0.02282715, -0.15820312, -0.25195312,
        -0.12353516, -0.11767578,  0.11767578,  0.07910156, -0.05493164,
         0.26171875, -0.21484375,  0.05151367,  0.1875    , -0.02392578,
         0.08349609,  0.11865234,  0.03930664,  0.25195312,  0.08837891,
         0.10107422, -0.05786133,  0.05981445,  0.07714844, -0.07128906,
         0.06591797, -0.12353516, -0.08544922,  0.03417969, -0.09130859,
        -0.2421875 , -0.43945312,  0.20019531, -0.17480469, -0.00364685,
        -0.07519531,  0.11523438,  0.22753906,  0.29882812,  0.15429688,
         0.14648438, -0.09863281, -0.23339844, -0.12597656,  0.01831055,
        -0.11083984,  0.0703125 , -0.13964844, -0.05102539,  0.10742188,
         0.11083984,  0.2265625 , -0.06640625, -0.10058594,  0.109375  ,
        -0.19433594,  0.08203125, -0.03088379, -0.00656128, -0.06494141,
        -0.02624512,  0.11474609, -0.31640625,  0.14941406,  0.12060547,
         0.13964844,  0.06225586, -0.0559082 ,  0.04296875, -0.06835938,
         0.125     , -0.234375  ,  0.07958984, -0.06396484,  0.01409912,
        -0.12011719, -0.04736328, -0.3203125 , -0.14257812,  0.16210938,
        -0.22558594, -0.00509644, -0.04760742,  0.09716797,  0.140625  ,
         0.13476562, -0.06982422, -0.12597656,  0.04711914,  0.04223633,
         0.25390625, -0.10205078, -0.02954102, -0.15234375, -0.27539062,
        -0.22460938,  0.14550781,  0.18847656, -0.33984375, -0.04248047,
        -0.41992188, -0.04003906,  0.09570312, -0.04199219,  0.27148438,
        -0.06396484, -0.01477051,  0.31054688,  0.07177734, -0.046875  ,
        -0.09863281,  0.11328125, -0.15332031,  0.02648926,  0.18457031,
        -0.05395508,  0.25585938,  0.0032959 , -0.23730469, -0.109375  ,
         0.25976562,  0.30078125, -0.19921875, -0.22167969, -0.26367188,
        -0.09960938,  0.0703125 ,  0.07763672, -0.21484375, -0.19433594,
         0.13769531,  0.00188446,  0.20605469,  0.13671875,  0.06030273,
        -0.04077148,  0.21289062,  0.11181641, -0.18164062, -0.06591797,
         0.15917969, -0.12988281, -0.0177002 , -0.19433594,  0.02258301,
         0.12988281,  0.09863281, -0.08984375, -0.11132812, -0.24804688,
        -0.01977539,  0.14746094, -0.07080078, -0.02246094,  0.10351562,
         0.12597656, -0.0390625 , -0.28125   ,  0.125     ,  0.15820312,
         0.22460938,  0.13769531,  0.34765625,  0.07470703,  0.04980469,
```

```
         0.13183594, -0.04223633,  0.13476562,  0.06738281,  0.05078125,
         0.078125  ,  0.21289062,  0.02307129, -0.01733398,  0.125     ,
        -0.02954102, -0.078125  , -0.24023438,  0.10693359, -0.03149414,
        -0.29492188,  0.05932617,  0.140625  ,  0.140625  ,  0.15722656,
        -0.27539062, -0.11914062,  0.1953125 ,  0.14453125,  0.23339844,
         0.2578125 , -0.20605469,  0.09326172, -0.03955078,  0.08935547,
         0.00072479, -0.19921875,  0.1484375 , -0.12597656,  0.00897217],
       dtype=float32),
 'entry': array([-0.12792969, -0.07714844, -0.26367188, -0.08935547,  0.333
98438,
         0.22851562, -0.15039062, -0.15234375,  0.01928711, -0.11523438,
         0.00305176, -0.18554688,  0.06640625, -0.4296875 , -0.15820312,
        -0.18652344,  0.09619141,  0.00909424,  0.06835938, -0.16796875,
         0.21972656, -0.00836182, -0.23730469, -0.22363281, -0.15820312,
        -0.16015625, -0.00765991,  0.00135803,  0.09082031, -0.05395508,
         0.04125977, -0.35351562,  0.10742188, -0.1640625 ,  0.23535156,
        -0.23144531, -0.03466797, -0.05664062, -0.07421875, -0.17382812,
        -0.06396484,  0.01538086,  0.39648438,  0.23828125,  0.16601562,
        -0.14160156, -0.25976562,  0.40039062, -0.23242188,  0.09472656,
        -0.09619141, -0.05737305, -0.14941406, -0.06030273,  0.13183594,
        -0.06542969,  0.02978516,  0.0062561 , -0.02185059,  0.07714844,
         0.01745605, -0.10107422, -0.10644531, -0.18945312, -0.20117188,
         0.02331543,  0.05932617,  0.3203125 , -0.02258301,  0.11328125,
         0.17773438, -0.01513672,  0.43945312, -0.22558594, -0.0062561 ,
        -0.25390625,  0.03466797, -0.07324219, -0.00393677,  0.04077148,
         0.18457031, -0.08349609,  0.11230469,  0.21582031,  0.17480469,
        -0.04907227, -0.0279541 ,  0.19433594,  0.00343323, -0.04394531,
         0.09472656, -0.04272461, -0.08984375, -0.08544922,  0.25976562,
         0.046875  ,  0.02233887,  0.03466797,  0.11083984,  0.1875    ,
        -0.05737305,  0.22460938,  0.08837891, -0.15039062, -0.08105469,
        -0.22070312, -0.05151367, -0.02453613, -0.05712891,  0.14746094,
        -0.00354004, -0.1015625 , -0.30664062, -0.08447266, -0.06933594,
        -0.13964844,  0.12353516, -0.125     ,  0.25390625,  0.07226562,
        -0.1484375 , -0.08691406, -0.265625  ,  0.00769043,  0.17675781,
         0.06689453,  0.17773438, -0.05395508,  0.22753906,  0.25976562,
        -0.07128906, -0.06982422,  0.13671875, -0.02185059, -0.01977539,
        -0.16601562, -0.10302734, -0.28515625, -0.14453125,  0.10253906,
        -0.07617188, -0.01818848, -0.25195312,  0.08935547, -0.19726562,
         0.11376953,  0.09277344,  0.10253906, -0.3046875 , -0.06445312,
        -0.171875  ,  0.01782227,  0.23828125, -0.19042969, -0.09033203,
        -0.39453125, -0.18066406, -0.1640625 , -0.09472656,  0.06054688,
        -0.125     , -0.26757812, -0.03662109, -0.23046875, -0.10253906,
        -0.33203125,  0.3046875 , -0.19238281, -0.20019531, -0.12695312,
         0.08447266, -0.13183594,  0.17285156, -0.2734375 , -0.22070312,
        -0.12255859, -0.13769531, -0.23632812,  0.27734375,  0.07324219,
        -0.3515625 , -0.12988281, -0.08056641,  0.07470703,  0.12792969,
        -0.08447266, -0.02172852, -0.06103516,  0.08740234, -0.08300781,
        -0.03295898, -0.08886719, -0.05371094, -0.04663086, -0.06445312,
         0.0201416 , -0.23144531,  0.15429688, -0.0625    , -0.28710938,
         0.34765625, -0.11181641, -0.125     ,  0.02929688, -0.07177734,
        -0.04003906,  0.01953125, -0.03344727, -0.02368164,  0.234375  ,
         0.21484375,  0.25      ,  0.07617188,  0.07128906, -0.23730469,
         0.33398438,  0.34179688, -0.05273438,  0.1875    , -0.30664062,
        -0.13378906,  0.15136719,  0.01208496, -0.04248047,  0.00540161,
        -0.23046875,  0.30078125,  0.17382812,  0.0213623 , -0.17773438,
         0.07910156,  0.06298828, -0.1796875 ,  0.16210938, -0.00183105,
        -0.04394531,  0.12158203, -0.12207031, -0.00506592, -0.05297852,
         0.04589844, -0.00582886, -0.18457031, -0.10986328,  0.0065918 ,
        -0.05297852,  0.02368164,  0.08251953, -0.13671875,  0.06689453,
         0.28515625, -0.05908203, -0.06347656,  0.34375   , -0.19921875,
         0.34765625,  0.30859375,  0.00866699, -0.05786133, -0.0177002 ,
         0.1796875 , -0.0100708 ,  0.04589844,  0.2578125 ,  0.08935547,
        -0.38867188,  0.10791016, -0.04931641, -0.03857422, -0.13671875,
        -0.17578125,  0.01342773, -0.00092316,  0.19628906,  0.18359375,
```

```
        -0.0324707 , -0.05419922, -0.30664062, -0.16796875,  0.37304688,
        -0.00179291,  0.08496094, -0.4140625 ,  0.1796875 ,  0.14941406,
         0.12988281, -0.15917969,  0.1171875 , -0.33007812,  0.03808594,
        -0.25      ,  0.08496094,  0.09033203,  0.09179688, -0.04077148,
         0.17480469,  0.125     , -0.14160156, -0.390625  , -0.03112793],
       dtype=float32),
 'delivered': array([ 4.49218750e-02, -2.67333984e-02,  1.92871094e-02,  1.
22070312e-01,
        -1.20117188e-01, -3.33984375e-01, -7.42187500e-02, -5.93261719e-02,
         2.59765625e-01,  4.14062500e-01, -2.96875000e-01, -2.08984375e-01,
         2.07519531e-02,  2.87109375e-01,  3.65234375e-01,  1.12304688e-01,
        -1.12304688e-01, -2.22167969e-02,  8.25195312e-02,  1.94335938e-01,
         2.96630859e-02,  3.08593750e-01,  1.00097656e-01,  1.00585938e-01,
         2.08984375e-01, -3.65234375e-01,  6.03027344e-02, -1.73828125e-01,
        -1.25976562e-01,  1.44531250e-01, -1.48315430e-02, -2.61718750e-01,
        -1.77734375e-01, -5.63964844e-02,  7.03125000e-02,  7.27539062e-02,
        -1.58203125e-01, -5.22460938e-02, -1.59179688e-01, -1.91406250e-01,
         4.98046875e-02, -1.87988281e-02, -4.27246094e-02,  1.54296875e-01,
         9.13085938e-02, -1.42578125e-01, -1.22070312e-01,  2.06054688e-01,
        -1.85546875e-01,  1.25000000e-01,  5.32226562e-02,  5.54199219e-02,
        -1.63085938e-01, -8.05664062e-02,  1.05468750e-01,  2.58789062e-02,
        -2.29492188e-01, -5.61523438e-03,  7.12890625e-02, -5.09643555e-03,
        -2.97851562e-02,  4.71191406e-02, -7.56835938e-02, -5.90820312e-02,
        -9.39941406e-03,  7.86132812e-02, -1.63085938e-01,  5.54199219e-02,
         4.63867188e-03,  1.52343750e-01,  1.41601562e-01, -1.09863281e-01,
         1.39648438e-01, -1.45507812e-01,  1.95312500e-02,  2.83203125e-02,
         1.63085938e-01,  1.39648438e-01, -1.08398438e-01,  2.66113281e-02,
        -3.39355469e-02, -1.11328125e-01, -2.02148438e-01, -1.06933594e-01,
         1.82617188e-01, -3.57421875e-01,  9.86328125e-02, -8.83789062e-02,
        -1.09252930e-02,  1.57226562e-01,  1.24511719e-01,  2.90527344e-02,
         1.59179688e-01,  1.40625000e-01, -1.04003906e-01, -1.53320312e-01,
        -1.18164062e-01,  3.26171875e-01, -1.97753906e-02, -6.64062500e-02,
         1.12304688e-01, -2.65625000e-01, -2.04101562e-01,  8.54492188e-03,
        -9.17968750e-02, -2.96875000e-01,  5.85937500e-02,  1.94335938e-01,
        -2.20947266e-02,  2.38037109e-02,  1.83593750e-01, -9.33837891e-03,
        -1.45507812e-01,  1.01074219e-01, -3.78417969e-03,  5.90820312e-02,
         6.12792969e-02,  2.15820312e-01,  3.39843750e-01,  6.73828125e-02,
        -2.69775391e-02, -9.71679688e-02,  5.66406250e-02,  1.39160156e-02,
        -1.05285645e-03,  1.08886719e-01,  5.32226562e-02, -5.15136719e-02,
        -5.81054688e-02, -2.44140625e-01, -2.53906250e-02,  1.33789062e-01,
        -3.63769531e-02,  3.80859375e-02, -7.37304688e-02, -2.63977051e-03,
         5.24902344e-02, -1.46484375e-01,  7.47680664e-03,  6.20117188e-02,
         5.71289062e-02, -6.68945312e-02, -1.01562500e-01, -1.81640625e-01,
        -1.81884766e-02,  8.72802734e-03,  1.03515625e-01, -2.45117188e-01,
         6.78710938e-02,  2.13867188e-01,  1.41601562e-01,  2.37304688e-01,
        -5.59082031e-02,  7.87353516e-03, -2.53906250e-01, -1.16699219e-01,
        -2.46093750e-01, -7.01904297e-04, -3.46679688e-02, -3.83300781e-02,
        -2.53906250e-01, -2.16064453e-02, -7.93457031e-03,  2.15820312e-01,
        -1.45507812e-01, -2.96875000e-01, -6.39648438e-02, -1.01562500e-01,
        -2.35595703e-02, -2.87109375e-01, -4.55078125e-01, -2.12890625e-01,
        -2.79541016e-02, -2.57812500e-01, -4.08172607e-04,  2.06298828e-02,
         1.79687500e-01,  7.38525391e-03, -2.65625000e-01,  1.45507812e-01,
        -2.92968750e-02,  5.56640625e-02,  7.47070312e-02,  1.49414062e-01,
        -2.05078125e-01,  2.45361328e-02, -2.75390625e-01, -1.00097656e-01,
        -2.71484375e-01,  1.01562500e-01,  2.00195312e-01, -5.07812500e-02,
         2.01171875e-01, -1.25000000e-01, -1.01562500e-01,  1.24023438e-01,
         2.28515625e-01, -1.40625000e-01,  1.08886719e-01,  1.39648438e-01,
         5.46264648e-03,  5.71289062e-02, -1.66992188e-01, -1.70898438e-02,
        -1.68945312e-01,  1.12792969e-01,  1.17187500e-01, -8.91113281e-03,
         1.31835938e-01, -2.05078125e-01, -6.12792969e-02,  6.78710938e-02,
        -1.38854980e-03,  1.67968750e-01,  2.50244141e-02,  7.76367188e-02,
         2.24609375e-01, -1.13769531e-01, -2.01171875e-01,  8.30078125e-02,
         5.27343750e-02,  1.83593750e-01,  9.47265625e-02, -8.15429688e-02,
         2.26562500e-01,  7.17163086e-03, -2.18750000e-01,  1.26953125e-02,
```

```
        -2.00195312e-02, -2.87109375e-01,  1.34765625e-01, -8.00781250e-02,
         1.19628906e-01, -1.07910156e-01,  8.97216797e-03,  1.78710938e-01,
         7.03125000e-02,  8.78906250e-03,  4.71191406e-02, -3.32031250e-02,
        -2.14843750e-01,  6.93359375e-02, -1.68945312e-01, -5.54199219e-02,
         2.57812500e-01, -1.66015625e-02,  7.03125000e-02,  6.05468750e-02,
         1.83593750e-01, -3.71093750e-02, -4.51660156e-03,  1.47460938e-01,
        -1.10351562e-01,  4.08203125e-01,  1.27929688e-01,  1.31835938e-01,
        -1.62109375e-01, -2.55859375e-01, -6.03027344e-02, -1.02050781e-01,
        -1.32812500e-01, -7.23266602e-03, -2.36816406e-02, -1.57226562e-01,
         7.08007812e-03, -1.12304688e-01,  3.63281250e-01, -2.39257812e-01,
        -2.78320312e-02,  1.79687500e-01,  1.66992188e-01, -3.83300781e-02,
        -1.20117188e-01, -8.98437500e-02,  1.22558594e-01, -8.05664062e-02,
        -1.07421875e-01,  1.12304688e-01,  9.76562500e-02,  2.83203125e-02,
        -6.25000000e-02,  2.49023438e-02,  7.51953125e-02, -8.36181641e-03,
         5.20019531e-02, -1.23023987e-04, -7.59887695e-03, -4.78515625e-02,
        -4.76074219e-03,  1.02539062e-01, -1.36718750e-02, -2.87109375e-01,
        -3.34472656e-02,  1.66992188e-01,  7.81250000e-02,  6.49414062e-02,
         1.66893005e-04, -1.27929688e-01, -6.59179688e-02, -1.62109375e-0
1],
       dtype=float32),
 'utilization': array([-3.12500000e-01,  1.43554688e-01,  6.78710938e-02,
1.84570312e-01,
         1.23901367e-02, -1.16699219e-01,  1.73828125e-01, -2.46093750e-01,
         2.87109375e-01, -6.29882812e-02, -4.19921875e-02,  6.83593750e-02,
        -1.14746094e-01,  3.71093750e-01, -2.08984375e-01, -2.27539062e-01,
        -7.08007812e-02, -2.86865234e-02, -2.63671875e-01,  3.08593750e-01,
        -1.39648438e-01, -1.25976562e-01, -1.42578125e-01,  2.81250000e-01,
        -7.86132812e-02, -4.17480469e-02, -1.60156250e-01,  1.84570312e-01,
        -1.01074219e-01, -1.12915039e-02,  1.95312500e-02, -2.51953125e-01,
        -5.85937500e-02, -1.91650391e-02, -8.69140625e-02,  3.12805176e-03,
        -1.00585938e-01, -1.99218750e-01,  2.57812500e-01, -2.61230469e-02,
         2.24609375e-01,  1.18164062e-01,  1.96289062e-01,  9.15527344e-03,
        -6.03027344e-02, -3.47656250e-01, -2.16796875e-01,  1.50390625e-01,
        -3.00781250e-01,  4.17480469e-02,  2.01416016e-02, -3.69140625e-01,
        -5.98144531e-02, -3.75976562e-02,  1.17797852e-02, -1.82617188e-01,
         4.15039062e-02,  5.56640625e-02,  3.33984375e-01,  1.02539062e-01,
        -1.11816406e-01, -1.02050781e-01, -5.00000000e-01, -4.37011719e-02,
         3.96484375e-01,  3.59375000e-01,  6.93359375e-02, -2.57873535e-03,
        -3.95507812e-02,  1.19140625e-01, -6.49414062e-02, -2.26562500e-01,
         3.18359375e-01, -3.02734375e-02, -3.32031250e-01, -2.91015625e-01,
         5.07812500e-02, -1.08886719e-01, -2.17773438e-01,  5.15625000e-01,
         3.32031250e-01,  4.07714844e-02,  1.44653320e-02, -1.78710938e-01,
         3.49609375e-01,  2.60009766e-02, -1.27929688e-01,  2.44140625e-01,
        -1.01318359e-02,  6.15234375e-02,  1.59179688e-01,  6.83593750e-02,
         6.34765625e-02,  2.05078125e-01,  1.17675781e-01, -4.46777344e-02,
         5.41992188e-02,  1.76757812e-01,  7.32421875e-02, -2.34375000e-02,
         3.32031250e-01, -3.75000000e-01,  2.40234375e-01, -3.24218750e-01,
         2.79541016e-02,  1.14135742e-02, -2.71484375e-01,  7.59124756e-04,
        -1.00097656e-01, -8.64257812e-02, -1.68945312e-01, -3.68652344e-02,
        -2.67578125e-01,  9.91210938e-02, -2.30468750e-01,  4.51660156e-02,
         3.01513672e-02, -3.24218750e-01,  3.30078125e-01,  8.83789062e-02,
        -8.39843750e-02,  9.57031250e-02,  9.08203125e-02,  9.39941406e-03,
        -5.46875000e-02,  1.55273438e-01, -2.59765625e-01,  1.42578125e-01,
        -1.40380859e-02, -7.17773438e-02,  5.67626953e-03,  3.98437500e-01,
         6.98242188e-02, -2.94921875e-01, -3.60488892e-04, -1.79443359e-02,
         1.36718750e-01,  1.14746094e-02, -2.57812500e-01,  1.57226562e-01,
         1.58203125e-01, -1.10351562e-01, -2.67578125e-01,  2.35351562e-01,
        -7.76367188e-02, -6.59179688e-02, -3.68652344e-02, -1.05468750e-01,
         3.71093750e-02,  5.34667969e-02,  2.46582031e-02, -1.94091797e-02,
        -1.31225586e-02,  3.68652344e-02,  1.62109375e-01, -1.80664062e-01,
         2.25585938e-01,  9.42382812e-02,  9.96093750e-02, -4.68750000e-01,
         2.18505859e-02, -4.83398438e-02, -1.75781250e-01,  1.67236328e-02,
        -2.55859375e-01, -6.71386719e-04, -2.50000000e-01, -1.93359375e-01,
         3.71093750e-02, -7.91015625e-02, -1.96289062e-01,  4.95605469e-02,
```

```
        -3.36914062e-02, -1.05957031e-01,  1.18164062e-01, -4.17480469e-02,
         9.13085938e-02, -1.58203125e-01, -1.17675781e-01, -1.88476562e-01,
        -2.32421875e-01, -7.76367188e-02,  2.62451172e-02, -4.63867188e-02,
         9.17968750e-02,  6.29882812e-02,  1.69921875e-01,  1.21459961e-02,
         2.32421875e-01,  2.29492188e-01, -1.40625000e-01, -2.79296875e-01,
         3.73840332e-03,  9.52148438e-02, -1.50390625e-01, -3.46679688e-02,
         6.29882812e-02, -1.28906250e-01,  2.53906250e-01, -2.20703125e-01,
        -3.24218750e-01,  5.12695312e-02, -1.54296875e-01, -3.88671875e-01,
        -1.09375000e-01,  8.20312500e-02,  2.35595703e-02,  7.13348389e-04,
         3.09753418e-03,  2.08007812e-01,  1.14257812e-01, -5.12695312e-02,
        -1.53320312e-01,  6.54296875e-02,  4.45556641e-03, -1.60156250e-01,
         2.08007812e-01,  2.48046875e-01,  2.63671875e-02,  1.59179688e-01,
        -1.32812500e-01,  1.87500000e-01,  2.59765625e-01,  1.39648438e-01,
        -1.94335938e-01, -6.78710938e-02, -1.79687500e-01, -1.55273438e-01,
         1.09863281e-01,  4.10156250e-02,  7.42187500e-02, -1.07421875e-01,
         1.93359375e-01, -2.51953125e-01, -2.81250000e-01, -2.62451172e-02,
         9.22851562e-02, -4.12597656e-02,  6.16455078e-03, -1.25976562e-01,
        -1.01928711e-02, -9.96093750e-02,  1.02539062e-01, -2.55859375e-01,
        -2.51953125e-01, -5.20019531e-02, -2.73437500e-01,  3.24218750e-01,
        -2.13867188e-01, -2.13867188e-01,  3.63769531e-02, -6.40869141e-03,
         1.32812500e-01,  2.59765625e-01,  1.25000000e-01, -3.07617188e-02,
         1.33789062e-01, -2.34375000e-01, -1.92382812e-01,  2.75878906e-02,
         1.94335938e-01, -2.25585938e-01,  2.84423828e-02, -1.35742188e-01,
        -4.05273438e-02, -2.87109375e-01, -5.37109375e-03, -1.85546875e-01,
        -2.38281250e-01,  5.32226562e-02, -2.74658203e-02, -1.57226562e-01,
        -1.02050781e-01,  4.73632812e-02, -9.32617188e-02,  2.38281250e-01,
        -6.07910156e-02,  1.20605469e-01, -3.20312500e-01,  2.77099609e-02,
        -2.86865234e-03,  8.69140625e-02,  3.65234375e-01, -2.80761719e-02,
        -4.66308594e-02, -4.02832031e-03,  1.97265625e-01, -1.22070312e-01,
        -6.98242188e-02,  1.25732422e-02, -8.49609375e-02,  2.75390625e-01,
         6.17675781e-02,  1.13769531e-01,  2.86865234e-02,  1.70898438e-01,
         5.37872314e-04, -2.26562500e-01, -2.17285156e-02, -6.05468750e-0
2],
       dtype=float32),
 'tracker': array([ 2.27539062e-01, -1.89208984e-02, -4.29687500e-02,  1.33
789062e-01,
         2.04101562e-01,  7.08007812e-03,  1.11328125e-01,  9.03320312e-03,
         2.16796875e-01, -1.19140625e-01,  1.87500000e-01, -1.64062500e-01,
        -1.98242188e-01, -4.12597656e-02,  6.34765625e-02, -3.34472656e-02,
         9.37500000e-02, -9.81445312e-02, -4.17480469e-02, -3.24218750e-01,
         3.00781250e-01, -4.66308594e-02, -3.69140625e-01,  1.20117188e-01,
         3.85742188e-02, -1.86523438e-01, -2.30468750e-01,  6.67968750e-01,
         1.19628906e-01, -1.01562500e-01, -9.13085938e-02,  2.00195312e-01,
         5.15136719e-02, -1.39770508e-02,  1.62109375e-01, -1.14746094e-01,
        -4.39453125e-01, -9.03320312e-02,  1.29882812e-01, -3.39355469e-02,
         9.61914062e-02, -4.27734375e-01, -8.10546875e-02,  1.02050781e-01,
         1.38671875e-01, -1.39648438e-01,  1.25976562e-01, -4.45312500e-01,
         3.71093750e-01, -2.81250000e-01,  1.00097656e-01, -2.33398438e-01,
         7.95898438e-02, -2.06298828e-02, -9.91210938e-02,  2.45361328e-02,
        -1.60156250e-01, -1.79687500e-01, -4.10156250e-02,  9.86328125e-02,
        -1.66015625e-01, -6.73828125e-02,  4.10156250e-02,  2.55859375e-01,
        -5.12695312e-02, -1.26953125e-01, -7.32421875e-02,  3.10058594e-02,
         2.46582031e-02,  2.18750000e-01,  6.00585938e-02,  3.12500000e-01,
         1.21582031e-01, -7.51953125e-02,  1.47094727e-02, -3.12500000e-02,
         2.49023438e-01,  1.12304688e-01, -1.37695312e-01,  2.31933594e-02,
         2.18750000e-01, -1.03027344e-01,  1.76757812e-01,  1.34765625e-01,
         1.94335938e-01, -1.63085938e-01, -2.16796875e-01,  1.92382812e-01,
         2.57812500e-01, -1.72851562e-01,  1.45507812e-01,  2.17285156e-02,
        -1.00097656e-01,  6.44531250e-02, -8.44726562e-02,  9.03320312e-02,
         4.57031250e-01, -2.39257812e-01,  4.66796875e-01, -2.50000000e-01,
         2.65625000e-01, -2.87109375e-01,  1.83105469e-02, -7.61718750e-02,
         9.52148438e-02,  2.92968750e-02, -3.35937500e-01, -6.15234375e-02,
         8.08715820e-04, -2.85156250e-01,  2.00195312e-02, -1.75781250e-01,
        -3.35937500e-01, -6.15234375e-02, -1.38671875e-01,  1.25000000e-01,
```

```
        -1.79687500e-01, -1.42822266e-02,  1.31835938e-01,  1.12792969e-01,
         1.15234375e-01, -1.74804688e-01, -2.77343750e-01, -3.07617188e-02,
         2.46093750e-01,  4.02832031e-02, -1.31835938e-01, -1.34765625e-01,
         2.85156250e-01,  1.80664062e-01, -2.04101562e-01, -7.37304688e-02,
         3.19824219e-02, -3.90625000e-02, -1.34765625e-01, -1.06445312e-01,
         2.47802734e-02, -1.44531250e-01, -3.12500000e-01,  1.83593750e-01,
         6.29882812e-02,  5.90820312e-02, -2.65625000e-01,  2.94921875e-01,
         8.78906250e-02, -2.51953125e-01,  1.69921875e-01, -3.67187500e-01,
         1.77734375e-01, -3.95507812e-02, -2.30468750e-01, -6.07910156e-02,
        -1.45507812e-01,  1.33789062e-01, -2.46093750e-01, -3.02734375e-01,
         5.61523438e-02,  1.00097656e-01, -2.20703125e-01, -2.03125000e-01,
         9.96093750e-02,  1.25000000e-01, -1.13281250e-01,  1.23535156e-01,
        -1.59179688e-01, -1.92260742e-03,  3.66210938e-02,  3.73535156e-02,
        -7.51953125e-02,  9.81445312e-02, -1.79687500e-01,  3.46679688e-02,
        -5.02929688e-02,  1.15234375e-01,  3.06396484e-02,  2.39257812e-02,
         6.37817383e-03, -3.92578125e-01,  8.10546875e-02,  8.34960938e-02,
         7.22656250e-02, -3.73046875e-01,  1.15234375e-01,  1.39770508e-02,
        -1.04492188e-01, -1.82617188e-01, -7.76367188e-02,  3.75000000e-01,
         5.71289062e-02,  9.42382812e-02, -4.31640625e-01, -1.14257812e-01,
         1.57226562e-01,  1.64062500e-01, -1.31835938e-01,  5.23437500e-01,
        -1.62109375e-01,  5.93261719e-02, -2.44140625e-01, -8.74023438e-02,
        -2.83203125e-01, -6.29882812e-02, -3.04687500e-01, -6.59179688e-03,
        -2.66113281e-02,  3.86718750e-01, -1.92382812e-01, -2.30468750e-01,
         2.51953125e-01, -1.84326172e-02, -1.09252930e-02,  9.22851562e-02,
         2.23388672e-02, -2.31445312e-01, -1.56250000e-01,  8.20312500e-02,
         2.66113281e-02, -3.63281250e-01, -7.08007812e-03, -5.17578125e-02,
         1.97753906e-02,  1.66015625e-02,  1.12792969e-01, -3.66210938e-02,
        -4.33593750e-01,  2.77343750e-01,  2.35351562e-01, -1.64062500e-01,
         2.09960938e-01, -2.79296875e-01,  4.54101562e-02, -1.66015625e-01,
        -3.12500000e-02, -1.32812500e-01,  1.81640625e-01,  3.10058594e-02,
         1.12533569e-04, -9.37500000e-02, -6.59179688e-02,  2.35595703e-02,
         1.02539062e-01, -6.50024414e-03,  5.51757812e-02, -1.62109375e-01,
         1.62109375e-01, -8.15429688e-02,  1.81640625e-01,  2.29492188e-01,
        -8.97216797e-03, -1.64062500e-01, -3.80859375e-02,  9.94873047e-03,
        -2.63671875e-01, -7.08007812e-02, -8.69140625e-02,  8.98437500e-02,
         3.12500000e-01, -1.47460938e-01,  6.25000000e-02, -3.35937500e-01,
        -2.14843750e-01,  1.27563477e-02, -4.22363281e-02, -1.27563477e-02,
         2.87109375e-01, -2.72216797e-02, -2.53906250e-01, -4.96093750e-01,
         2.34375000e-01,  2.41210938e-01,  4.83398438e-02,  1.61132812e-01,
        -1.00097656e-02,  2.34375000e-01,  1.56250000e-01, -4.53125000e-01,
         1.07421875e-01, -3.11279297e-02,  3.53515625e-01, -8.34960938e-02,
        -1.89453125e-01,  1.32812500e-01, -2.20703125e-01,  2.67578125e-01,
        -1.14746094e-01, -5.63964844e-02,  8.74023438e-02,  1.28906250e-01,
        -6.88476562e-02, -1.51367188e-01,  1.68945312e-01,  1.07910156e-01,
         1.87500000e-01,  1.33789062e-01,  3.75976562e-02, -1.68945312e-01,
         1.58203125e-01, -3.58886719e-02, -1.40625000e-01, -9.03320312e-0
2],
       dtype=float32),
 'supervisor': array([-0.19433594, -0.42382812,  0.04711914, -0.24609375, -
0.26757812,
        -0.11669922, -0.00964355,  0.04663086, -0.16601562, -0.02709961,
         0.04663086, -0.03637695, -0.11279297, -0.3671875 ,  0.02258301,
         0.14257812,  0.04956055, -0.18164062,  0.09228516,  0.01586914,
        -0.15429688, -0.04077148,  0.02062988,  0.11914062,  0.11962891,
        -0.08349609, -0.19140625,  0.16503906, -0.2421875 , -0.03466797,
        -0.11865234, -0.08007812, -0.11425781, -0.06494141,  0.07519531,
        -0.16015625,  0.16308594,  0.37695312, -0.0255127 , -0.14453125,
         0.1171875 , -0.234375  ,  0.09912109, -0.23339844, -0.296875  ,
        -0.20410156, -0.3125    ,  0.13085938, -0.04736328,  0.26171875,
        -0.40039062, -0.16699219,  0.17285156, -0.01208496,  0.07910156,
        -0.18847656,  0.04150391, -0.07226562, -0.01611328, -0.15234375,
        -0.04833984,  0.22363281, -0.15332031, -0.04907227,  0.06640625,
        -0.09326172,  0.06103516,  0.1640625 ,  0.03759766, -0.18652344,
         0.13574219,  0.18359375, -0.04248047,  0.375     , -0.14941406,
```

```
         0.17578125,  0.02600098, -0.1953125 ,  0.07324219,  0.05981445,
         0.21289062,  0.21972656,  0.10839844,  0.15625   ,  0.10693359,
         0.13671875, -0.15429688, -0.06738281,  0.04370117,  0.10839844,
         0.25390625,  0.04663086, -0.19433594,  0.27929688,  0.01599121,
         0.04785156,  0.05078125,  0.13183594, -0.10693359,  0.01977539,
        -0.03735352, -0.21582031, -0.10302734, -0.00637817,  0.09423828,
        -0.40039062, -0.27148438, -0.09765625, -0.10644531, -0.10400391,
        -0.16015625, -0.171875  ,  0.02258301, -0.29296875, -0.05029297,
         0.03930664, -0.08984375,  0.06640625,  0.35351562,  0.04248047,
        -0.171875  ,  0.08251953, -0.28515625,  0.07080078,  0.08544922,
         0.09716797,  0.09179688, -0.11767578,  0.27929688,  0.1484375 ,
        -0.30859375, -0.34179688, -0.10888672,  0.015625  , -0.07958984,
        -0.15039062, -0.01251221,  0.01501465, -0.2265625 ,  0.14453125,
         0.19628906, -0.00708008,  0.03198242,  0.08251953, -0.31054688,
        -0.06445312, -0.37109375,  0.15039062, -0.10546875,  0.09667969,
         0.140625  ,  0.25976562, -0.08203125,  0.24121094, -0.05639648,
         0.30078125, -0.00811768,  0.17675781,  0.03588867,  0.03466797,
        -0.27929688, -0.03759766, -0.19628906,  0.44726562, -0.0559082 ,
         0.11425781,  0.17871094, -0.10253906,  0.21972656,  0.28515625,
         0.42578125, -0.06787109,  0.18945312, -0.0032196 ,  0.13085938,
        -0.01123047,  0.01623535, -0.0534668 , -0.21582031,  0.11962891,
        -0.22167969, -0.07226562,  0.03662109, -0.21875   , -0.12890625,
        -0.20898438,  0.0100708 ,  0.09326172, -0.04736328,  0.36132812,
        -0.04589844, -0.16113281, -0.00072098,  0.35546875,  0.125     ,
        -0.05981445,  0.02954102,  0.11865234, -0.16113281,  0.11572266,
        -0.109375  ,  0.16113281,  0.08251953, -0.14160156, -0.00343323,
         0.02905273, -0.03466797,  0.03320312, -0.14550781, -0.05834961,
         0.17773438, -0.18261719, -0.30664062,  0.00964355,  0.29101562,
        -0.20996094, -0.05078125, -0.15332031,  0.01013184, -0.18261719,
         0.3671875 ,  0.11279297, -0.02416992,  0.01452637,  0.14453125,
        -0.17285156, -0.04833984,  0.0559082 ,  0.06396484, -0.16210938,
        -0.07177734,  0.05566406, -0.31445312, -0.10351562, -0.25390625,
        -0.08789062,  0.10888672, -0.30664062,  0.00291443, -0.10498047,
         0.15820312, -0.34765625, -0.19335938, -0.26171875, -0.16210938,
        -0.09619141, -0.32226562, -0.13574219,  0.01525879, -0.2265625 ,
         0.01422119,  0.0546875 , -0.13769531, -0.31835938,  0.17675781,
        -0.08300781, -0.12207031,  0.11816406, -0.18652344,  0.08935547,
        -0.14453125, -0.21777344, -0.04980469, -0.18554688,  0.1796875 ,
        -0.18164062, -0.04467773,  0.07519531, -0.07421875,  0.20507812,
        -0.0625    , -0.11621094, -0.22070312,  0.37109375, -0.20800781,
        -0.06787109, -0.0078125 , -0.11816406, -0.14746094, -0.19238281,
         0.265625  ,  0.0703125 ,  0.28710938,  0.359375  , -0.12792969,
         0.29492188,  0.06933594, -0.0037384 ,  0.35546875,  0.18164062,
        -0.23632812,  0.05737305,  0.14355469,  0.28515625,  0.10107422,
         0.02124023, -0.10400391, -0.27539062,  0.125     ,  0.03466797],
       dtype=float32),
 'preparation': array([-0.04174805,  0.23632812, -0.11621094, -0.18359375,
0.08740234,
         0.15039062, -0.17675781, -0.15234375, -0.00411987,  0.04638672,
        -0.02111816, -0.04711914,  0.20507812,  0.18554688, -0.04443359,
         0.31445312,  0.02124023,  0.18359375,  0.07128906, -0.21484375,
         0.0324707 , -0.05249023, -0.0703125 ,  0.13769531,  0.13378906,
         0.04638672,  0.02612305, -0.31640625, -0.15234375,  0.28320312,
         0.10888672,  0.06542969,  0.18847656,  0.17089844,  0.0078125 ,
         0.24316406, -0.25976562, -0.09082031,  0.23535156, -0.19238281,
         0.04296875, -0.2109375 ,  0.18066406,  0.04858398, -0.03088379,
        -0.26171875, -0.37890625,  0.18261719, -0.13574219,  0.30078125,
         0.06396484, -0.04931641, -0.01586914,  0.03442383, -0.07763672,
         0.30664062, -0.0612793 , -0.15917969, -0.06298828, -0.03491211,
        -0.23242188, -0.17089844,  0.05859375, -0.1328125 ,  0.19238281,
         0.07324219,  0.02624512, -0.08447266, -0.03149414, -0.11767578,
         0.03955078, -0.0402832 ,  0.05981445,  0.2421875 ,  0.0546875 ,
        -0.18164062,  0.09228516, -0.203125  , -0.18066406,  0.23339844,
         0.11181641, -0.10351562, -0.1484375 , -0.04760742,  0.15136719,
```

```
        -0.13964844,  0.07421875,  0.24316406,  0.32226562,  0.05859375,
         0.16699219, -0.12255859,  0.12207031, -0.13671875,  0.20996094,
        -0.27734375,  0.07568359, -0.27539062, -0.13183594,  0.2734375 ,
        -0.04199219, -0.11035156,  0.19140625,  0.11474609, -0.07910156,
        -0.02575684, -0.14550781,  0.14746094, -0.04418945, -0.02111816,
        -0.04956055,  0.13183594, -0.05053711,  0.11035156, -0.10009766,
         0.11230469,  0.18652344,  0.0189209 , -0.11767578,  0.02563477,
        -0.16796875, -0.14453125,  0.17675781,  0.13378906, -0.078125  ,
         0.24902344, -0.12695312, -0.01855469, -0.13378906,  0.20507812,
        -0.28710938,  0.0612793 , -0.35742188, -0.01300049, -0.17089844,
        -0.14648438,  0.04003906,  0.02685547, -0.20703125,  0.26171875,
         0.01123047,  0.09277344,  0.13476562, -0.21191406, -0.04980469,
        -0.08789062,  0.11523438,  0.20800781, -0.28515625,  0.05639648,
         0.07080078,  0.05297852,  0.04272461, -0.02893066, -0.02209473,
        -0.21875   ,  0.27539062, -0.15625   , -0.09130859,  0.06347656,
        -0.07177734, -0.02746582,  0.06103516,  0.18945312,  0.09814453,
        -0.10791016,  0.2578125 , -0.02868652,  0.24902344, -0.2578125 ,
         0.00866699, -0.04174805, -0.03198242,  0.06030273,  0.20214844,
         0.09765625,  0.01147461, -0.13769531,  0.0859375 ,  0.15527344,
        -0.02539062, -0.12988281, -0.00921631,  0.07861328, -0.10888672,
        -0.16894531, -0.03100586, -0.08984375,  0.2734375 ,  0.10009766,
        -0.11181641,  0.08251953,  0.05175781,  0.06542969, -0.25585938,
        -0.03686523,  0.17285156, -0.07617188, -0.109375  , -0.12158203,
         0.22265625,  0.1953125 , -0.28515625,  0.0111084 ,  0.05859375,
        -0.28710938, -0.05395508, -0.03833008,  0.3203125 , -0.03930664,
         0.20019531,  0.01403809, -0.04296875, -0.09423828,  0.04980469,
        -0.21582031, -0.04077148,  0.08349609, -0.14355469, -0.14550781,
        -0.03686523, -0.29296875, -0.06225586, -0.03930664, -0.07373047,
        -0.17773438, -0.09033203, -0.07958984,  0.1328125 ,  0.04003906,
         0.09619141, -0.06884766,  0.01000977,  0.05566406,  0.01391602,
        -0.06640625,  0.16503906, -0.07080078, -0.07275391, -0.30664062,
         0.16015625,  0.31054688, -0.08837891, -0.03344727, -0.07910156,
        -0.36132812, -0.15429688,  0.07080078, -0.265625  , -0.08300781,
        -0.00172424,  0.24707031,  0.10693359, -0.06347656, -0.06494141,
         0.02941895, -0.12988281, -0.09619141, -0.21777344,  0.01635742,
         0.09521484, -0.09130859, -0.13671875, -0.21582031,  0.1328125 ,
         0.1796875 ,  0.09667969,  0.05541992, -0.13085938,  0.05615234,
        -0.01879883,  0.17089844,  0.33007812, -0.0039978 ,  0.06298828,
        -0.09082031,  0.03173828,  0.01953125,  0.11328125, -0.13867188,
         0.1015625 ,  0.0625    ,  0.06738281,  0.24902344, -0.13867188,
         0.11425781, -0.11279297,  0.10058594, -0.08154297,  0.17675781,
        -0.35742188, -0.22167969, -0.13476562,  0.12451172,  0.08300781,
        -0.08447266, -0.09228516, -0.12792969, -0.11669922, -0.02319336],
       dtype=float32),
 'masters': array([ 0.00939941,  0.10449219,  0.07324219,  0.19140625,  0.0
8154297,
         0.0088501 ,  0.08642578, -0.23925781, -0.22070312,  0.06591797,
         0.0025177 , -0.19042969, -0.26757812, -0.07275391, -0.296875  ,
         0.12695312,  0.19921875, -0.07275391,  0.09912109, -0.16503906,
         0.08984375,  0.25195312,  0.03881836, -0.11572266,  0.29101562,
        -0.09326172,  0.09814453,  0.00765991, -0.21875   , -0.20410156,
         0.3125    ,  0.19140625, -0.23339844,  0.05078125,  0.05029297,
         0.08251953,  0.12597656, -0.046875  ,  0.15820312,  0.06542969,
         0.20507812, -0.02307129,  0.02978516,  0.3125    ,  0.09716797,
        -0.03173828, -0.00848389,  0.18847656, -0.04418945,  0.03710938,
        -0.3203125 ,  0.25195312,  0.06054688, -0.09228516, -0.10546875,
         0.06298828,  0.02600098, -0.18164062, -0.10351562, -0.16894531,
         0.10888672,  0.17382812,  0.12890625, -0.44921875, -0.1484375 ,
        -0.24804688, -0.12597656,  0.20703125, -0.27734375, -0.02502441,
        -0.06152344,  0.16015625,  0.375     , -0.03637695, -0.10107422,
        -0.20214844, -0.06542969,  0.12695312, -0.13769531, -0.29492188,
        -0.0135498 ,  0.23925781,  0.06835938,  0.00506592, -0.10693359,
         0.06445312, -0.09521484, -0.16210938,  0.0625    ,  0.20214844,
        -0.2578125 , -0.203125  , -0.26171875,  0.04492188,  0.16015625,
```

```
         0.04467773,  0.05444336, -0.16601562,  0.03662109, -0.3671875 ,
        -0.00897217,  0.02819824, -0.33398438, -0.25976562,  0.046875  ,
        -0.25976562, -0.12207031,  0.03710938,  0.29492188, -0.06982422,
         0.20019531,  0.38867188, -0.09033203,  0.32617188, -0.02612305,
         0.15917969, -0.13867188, -0.15039062, -0.06225586, -0.07324219,
        -0.33984375, -0.01635742,  0.22070312, -0.08642578, -0.14453125,
        -0.125     , -0.03686523, -0.03588867,  0.22070312,  0.17480469,
         0.03540039,  0.03686523, -0.01721191, -0.16503906,  0.12792969,
        -0.03564453, -0.01226807,  0.10058594,  0.1171875 ,  0.16601562,
        -0.03344727, -0.2265625 , -0.06054688,  0.12402344, -0.14160156,
         0.20898438, -0.09765625,  0.07128906,  0.02770996,  0.05078125,
         0.22460938,  0.265625  , -0.02075195,  0.18554688, -0.12988281,
        -0.20703125, -0.15429688,  0.06396484, -0.13378906, -0.17773438,
         0.01831055,  0.02087402, -0.11083984,  0.04125977, -0.15722656,
         0.00107574,  0.20214844, -0.21875   ,  0.07714844,  0.10839844,
        -0.11328125, -0.04077148,  0.26367188,  0.2734375 ,  0.28710938,
        -0.16601562, -0.02563477, -0.24511719, -0.0055542 , -0.16992188,
         0.09179688, -0.12060547, -0.125     , -0.02282715, -0.19921875,
         0.11083984,  0.24902344,  0.00891113,  0.1875    ,  0.11816406,
         0.27539062,  0.20117188,  0.1171875 ,  0.15429688, -0.04663086,
        -0.13183594,  0.29296875, -0.08984375, -0.1875    ,  0.08105469,
        -0.18457031,  0.18847656,  0.17089844, -0.16015625, -0.21191406,
        -0.14941406, -0.06176758,  0.09814453, -0.10791016,  0.00297546,
        -0.03710938, -0.06103516, -0.04956055,  0.00299072,  0.1015625 ,
        -0.13183594, -0.25195312, -0.21875   ,  0.00080872, -0.17578125,
         0.00982666, -0.078125  ,  0.00151825, -0.28515625, -0.07861328,
        -0.17089844,  0.05566406, -0.109375  , -0.13378906, -0.01513672,
         0.04833984, -0.21191406, -0.11035156,  0.22851562,  0.1328125 ,
        -0.07080078,  0.34765625, -0.16210938, -0.14941406, -0.00939941,
         0.140625  , -0.00726318,  0.02697754, -0.03173828, -0.00153351,
        -0.10693359, -0.13769531,  0.11669922,  0.07666016, -0.05273438,
         0.11767578,  0.15917969, -0.08984375,  0.01757812, -0.05078125,
         0.07519531, -0.09960938,  0.01141357, -0.13085938,  0.078125  ,
         0.24414062,  0.14160156,  0.02990723,  0.00131226, -0.14941406,
         0.109375  , -0.10058594, -0.01696777,  0.11230469,  0.07568359,
        -0.09130859,  0.07568359, -0.00128174,  0.21972656,  0.08203125,
         0.08007812, -0.19238281, -0.08251953, -0.22851562,  0.34570312,
         0.13085938, -0.11572266,  0.06445312,  0.09277344,  0.0255127 ,
         0.03613281,  0.04248047,  0.14648438,  0.05761719,  0.20117188,
        -0.22949219,  0.15332031, -0.21777344, -0.06103516,  0.08105469,
        -0.37304688,  0.00842285, -0.13476562,  0.09667969,  0.04052734],
       dtype=float32),
 'doctoral': array([-2.71484375e-01, -7.27539062e-02,  1.46484375e-01,  2.5
1953125e-01,
         2.03125000e-01,  1.27929688e-01,  5.35156250e-01, -3.49609375e-01,
         1.46484375e-01, -3.51562500e-01,  3.10546875e-01,  1.79687500e-01,
         5.15136719e-02, -8.08715820e-04, -5.07812500e-01,  7.08007812e-02,
         1.24511719e-01,  1.36718750e-01, -7.51953125e-02, -2.65625000e-01,
        -3.00292969e-02, -7.42187500e-02, -7.76367188e-02, -1.92382812e-01,
         4.08935547e-03, -1.12792969e-01, -3.12500000e-01, -2.83203125e-01,
        -4.90234375e-01,  4.15039062e-02, -2.00195312e-02, -2.85339355e-03,
         1.26953125e-01, -1.21582031e-01, -1.89453125e-01, -3.06640625e-01,
        -4.17968750e-01,  1.73828125e-01, -4.55078125e-01, -1.04980469e-01,
        -8.20312500e-02, -1.66015625e-01,  6.12792969e-02,  5.39550781e-02,
        -1.92382812e-01, -1.34765625e-01,  5.83496094e-02, -3.51562500e-02,
        -1.00585938e-01,  1.70898438e-01, -2.85156250e-01, -2.13867188e-01,
         1.15234375e-01,  1.35742188e-01, -2.83203125e-02, -6.59179688e-02,
        -1.11816406e-01, -2.53906250e-01, -8.54492188e-02, -3.73046875e-01,
        -3.73840332e-03, -2.71484375e-01,  9.27734375e-02, -6.93359375e-02,
        -6.34765625e-02,  2.95410156e-02,  1.54296875e-01, -7.12890625e-02,
        -6.05468750e-02, -4.39453125e-02, -3.02734375e-01,  4.16015625e-01,
         2.13867188e-01, -1.57226562e-01, -1.20605469e-01, -1.45507812e-01,
         3.54003906e-02,  1.08398438e-01,  6.34765625e-02, -1.37329102e-03,
         3.99780273e-03,  1.68945312e-01,  7.61718750e-02,  1.13281250e-01,
```

```
        -1.07910156e-01,  3.30078125e-01, -1.98242188e-01,  1.58203125e-01,
        -3.20312500e-01,  2.59765625e-01, -4.47265625e-01, -2.83203125e-01,
        -5.03906250e-01,  4.23828125e-01,  1.08398438e-01,  1.71875000e-01,
         3.59375000e-01, -9.32617188e-02, -7.32421875e-02, -1.03515625e-01,
        -1.16699219e-01, -4.51171875e-01, -3.82812500e-01, -4.56542969e-02,
         2.29492188e-01, -2.16796875e-01, -4.68750000e-01,  1.47460938e-01,
         3.49609375e-01,  4.71191406e-02, -1.63085938e-01,  1.16699219e-01,
         1.40625000e-01,  2.02148438e-01,  2.40234375e-01, -3.84765625e-01,
        -3.06640625e-01, -2.55859375e-01,  4.29687500e-01,  1.41601562e-01,
        -3.93066406e-02,  3.24218750e-01, -1.59912109e-02, -5.10253906e-02,
        -3.76953125e-01,  1.36718750e-01,  2.63671875e-01, -2.20947266e-02,
        -2.44140625e-01,  5.42968750e-01,  3.51562500e-02, -4.04296875e-01,
         2.05078125e-01, -3.84765625e-01, -5.10253906e-02, -2.37304688e-01,
         8.69140625e-02,  1.16699219e-01,  1.81640625e-01,  1.66992188e-01,
        -4.19921875e-01, -9.76562500e-02, -2.35351562e-01, -1.08642578e-02,
        -3.93066406e-02,  3.88671875e-01,  1.66992188e-01,  4.80468750e-01,
        -7.17773438e-02, -2.01171875e-01,  5.27343750e-01, -1.37939453e-02,
         1.55273438e-01,  3.08593750e-01,  2.81250000e-01, -4.19921875e-01,
        -1.04980469e-01,  1.49414062e-01,  3.08593750e-01, -1.59179688e-01,
        -2.22167969e-02, -2.62451172e-02, -1.03515625e-01,  5.93750000e-01,
         2.71484375e-01,  2.63671875e-01,  4.39453125e-01, -1.28906250e-01,
        -3.57421875e-01,  4.31060791e-04,  3.57421875e-01, -1.15722656e-01,
         4.07714844e-02,  3.65234375e-01,  2.35351562e-01,  1.70898438e-01,
         9.39941406e-03, -1.52343750e-01,  5.76171875e-02,  8.88671875e-02,
        -2.61718750e-01,  1.21093750e-01,  2.62451172e-02, -2.02148438e-01,
        -2.83203125e-01,  4.41894531e-02, -1.65039062e-01, -1.98242188e-01,
         2.24609375e-01,  4.54101562e-02,  9.61914062e-02, -1.86523438e-01,
         3.49121094e-02,  2.23632812e-01, -1.24023438e-01,  3.49609375e-01,
         4.39453125e-01, -2.00195312e-01, -1.76757812e-01,  2.00195312e-01,
        -1.95312500e-01,  4.27734375e-01,  1.77734375e-01,  1.14746094e-01,
        -4.25781250e-01, -3.59375000e-01,  3.02734375e-01, -1.70898438e-02,
        -2.08007812e-01,  1.11328125e-01,  1.26953125e-01, -3.22265625e-01,
        -8.74023438e-02, -9.52148438e-02,  1.74804688e-01, -8.64257812e-02,
        -7.27539062e-02, -3.14453125e-01,  2.55859375e-01, -3.16406250e-01,
        -2.21679688e-01, -8.20312500e-02, -5.46875000e-02, -6.15234375e-02,
         4.19921875e-01, -3.57421875e-01, -1.12304688e-01, -2.15820312e-01,
         9.03320312e-02,  4.39453125e-02,  6.68945312e-02,  1.11816406e-01,
        -2.01416016e-03,  4.90722656e-02,  2.85156250e-01, -2.63671875e-01,
         2.98828125e-01, -5.17578125e-02, -3.63281250e-01,  4.88281250e-01,
         2.46093750e-01, -2.01171875e-01, -3.24218750e-01, -1.28906250e-01,
        -1.21582031e-01, -6.93359375e-02,  3.54003906e-02, -1.32812500e-01,
        -4.66308594e-02, -1.59179688e-01, -1.24511719e-01, -4.47265625e-01,
        -1.37695312e-01,  4.45312500e-01, -2.35595703e-02, -4.90722656e-02,
         7.32421875e-02, -1.00585938e-01, -1.70898438e-01,  8.30078125e-02,
         2.39257812e-01, -1.14746094e-01, -2.78320312e-02, -7.61718750e-02,
        -8.54492188e-02,  7.86132812e-02, -3.71093750e-02, -1.92382812e-01,
        -4.35546875e-01,  1.30859375e-01, -3.06640625e-01, -4.35546875e-01,
         4.05273438e-02, -1.87500000e-01, -9.91210938e-02, -1.15722656e-01,
        -3.69140625e-01, -3.43750000e-01,  8.98437500e-02, -1.51367188e-02,
         1.59179688e-01, -1.75781250e-01, -3.51562500e-01,  2.00195312e-01,
         9.08203125e-02,  1.93359375e-01,  3.20312500e-01,  9.76562500e-02,
         4.31640625e-01, -1.20117188e-01, -3.78906250e-01, -1.56250000e-01,
        -1.54296875e-01,  5.35156250e-01,  4.45312500e-01,  2.06298828e-02,
        -1.26953125e-01, -1.91650391e-02,  1.67968750e-01,  1.42578125e-0
1],
       dtype=float32),
 'preferred': array([ 3.34472656e-02,  5.83496094e-02,  1.24023438e-01,  1.
45507812e-01,
        -2.47802734e-02, -4.88281250e-04,  2.18750000e-01, -1.83593750e-01,
         1.77734375e-01,  3.75976562e-02,  8.15429688e-02, -8.93554688e-02,
         2.33398438e-01,  1.30859375e-01, -6.44531250e-02,  1.91406250e-01,
         6.15234375e-02, -1.58203125e-01,  1.20239258e-02,  8.93554688e-02,
        -1.72851562e-01,  2.03857422e-02, -2.08007812e-01,  6.98242188e-02,
         1.34765625e-01, -5.63964844e-02, -1.96289062e-01, -1.62506104e-03,
```

```
 3.60107422e-03,  4.00390625e-02,  2.89062500e-01,  6.98242188e-02,
-5.34057617e-03, -7.08007812e-02,  6.93359375e-02,  2.08984375e-01,
 4.27246094e-02,  1.61132812e-02, -1.73828125e-01, -3.24218750e-01,
 2.29492188e-01, -1.33789062e-01,  1.38671875e-01, -2.03857422e-02,
-1.51367188e-01, -1.60156250e-01,  2.20703125e-01,  8.17871094e-03,
 5.46264648e-03, -3.34472656e-02, -1.09375000e-01, -3.49121094e-02,
 1.21582031e-01,  5.29785156e-02, -1.02539062e-01,  1.54296875e-01,
-5.76171875e-02, -8.10546875e-02,  1.28906250e-01, -7.56835938e-03,
-1.95312500e-01,  5.93261719e-02, -1.66015625e-01,  1.43554688e-01,
-2.02636719e-02, -1.09375000e-01, -5.15625000e-01,  2.61718750e-01,
 1.35742188e-01,  6.39648438e-02, -6.00585938e-02,  1.45507812e-01,
 5.07812500e-02,  2.33398438e-01, -1.48437500e-01, -4.22363281e-02,
 8.15429688e-02,  7.81250000e-02, -1.66015625e-02,  7.03125000e-02,
 3.88183594e-02, -1.51367188e-01,  2.94921875e-01,  2.49023438e-01,
 2.55859375e-01,  5.02929688e-02, -2.03125000e-01, -6.59179688e-02,
 3.75000000e-01,  1.73828125e-01,  1.03515625e-01,  1.67968750e-01,
-3.44238281e-02, -1.90429688e-02, -1.00585938e-01, -8.44726562e-02,
-2.06054688e-01, -9.96093750e-02, -2.42187500e-01, -9.27734375e-02,
 1.43554688e-01, -4.98046875e-02, -1.70898438e-01,  3.12500000e-02,
-4.73022461e-03,  4.37011719e-02,  6.28662109e-03, -1.15234375e-01,
 1.20849609e-02, -3.44238281e-02,  3.10058594e-02,  3.66210938e-02,
-2.62451172e-02, -1.19140625e-01,  2.18750000e-01,  1.14257812e-01,
 8.39843750e-02, -3.14453125e-01,  1.43554688e-01,  3.08837891e-02,
 1.35742188e-01,  6.10351562e-02, -8.88671875e-02, -4.02832031e-02,
-2.04101562e-01, -1.75781250e-01,  2.33398438e-01, -2.09960938e-01,
-7.86132812e-02,  1.04492188e-01, -1.09863281e-01,  8.10546875e-02,
-1.06933594e-01,  1.77734375e-01, -1.87500000e-01, -3.43750000e-01,
-2.06054688e-01, -2.24609375e-02,  1.48437500e-01,  2.14843750e-01,
 5.76782227e-03, -3.09753418e-03, -1.63574219e-02, -5.07812500e-02,
 2.49023438e-01, -1.46484375e-01, -1.41601562e-01,  4.29687500e-02,
 9.22851562e-02, -3.61328125e-02,  2.32421875e-01,  1.75781250e-01,
 3.24707031e-02, -2.09960938e-01, -2.92968750e-01,  1.67236328e-02,
-8.54492188e-02, -1.44531250e-01, -1.96289062e-01,  5.02929688e-02,
 7.66601562e-02,  6.05468750e-02, -3.10058594e-02, -9.17968750e-02,
-1.63085938e-01,  1.83593750e-01, -7.91015625e-02,  8.05664062e-02,
-7.12890625e-02, -2.41210938e-01, -7.71484375e-02,  3.61328125e-02,
-1.03027344e-01, -4.41894531e-02,  9.27734375e-03,  2.69531250e-01,
 1.47460938e-01, -2.71484375e-01, -2.22656250e-01, -8.44726562e-02,
-2.55859375e-01, -1.97265625e-01, -7.47070312e-02,  8.30078125e-02,
 2.14843750e-02, -1.31835938e-01,  5.41992188e-02, -4.00390625e-02,
 1.64794922e-02, -1.16577148e-02, -6.73828125e-02, -1.59179688e-01,
-1.37695312e-01, -1.57226562e-01,  9.08203125e-02, -3.27148438e-02,
 5.76782227e-03,  2.12402344e-02, -1.05285645e-03, -1.99218750e-01,
-7.66601562e-02,  3.20312500e-01,  7.66601562e-02, -1.72851562e-01,
-1.46484375e-01, -3.78417969e-02,  3.61328125e-02,  2.23632812e-01,
 2.13867188e-01, -6.17675781e-02, -1.65039062e-01, -2.16796875e-01,
 3.14941406e-02,  2.31445312e-01, -1.46484375e-01, -2.04101562e-01,
 9.66796875e-02, -1.08337402e-03,  1.01562500e-01, -1.72851562e-01,
-8.59375000e-02, -5.61523438e-02, -1.61132812e-02,  6.03027344e-02,
 1.40625000e-01,  2.22656250e-01, -2.08740234e-02,  1.67236328e-02,
-5.41992188e-02, -2.16064453e-02, -4.12109375e-01, -7.91015625e-02,
 3.04687500e-01,  9.86328125e-02,  3.75000000e-01, -2.60009766e-02,
 9.32617188e-02, -1.48437500e-01, -8.91113281e-03,  4.05273438e-02,
 1.06445312e-01, -1.34765625e-01, -9.37500000e-02, -4.51660156e-03,
 6.73828125e-02, -5.18798828e-03,  2.02148438e-01,  3.45703125e-01,
 5.73730469e-02, -4.29687500e-02,  2.27355957e-03, -1.00585938e-01,
 1.50390625e-01, -1.72851562e-01,  2.13623047e-02, -9.91210938e-02,
-1.71875000e-01,  5.09643555e-03, -1.06933594e-01, -2.92968750e-02,
 2.46582031e-02,  1.56250000e-01, -1.69921875e-01,  1.00097656e-01,
-8.83789062e-02, -3.06701660e-03, -3.10058594e-02,  1.38854980e-03,
 7.15255737e-05, -1.22558594e-01, -1.17187500e-01, -1.14257812e-01,
 1.18164062e-01, -2.33398438e-01,  9.81445312e-02, -2.08007812e-01,
-5.76171875e-02, -8.64257812e-02, -1.25976562e-01, -8.49609375e-02,
 1.40625000e-01,  1.53320312e-01, -8.20312500e-02, -1.99218750e-01,
```

```
         1.64062500e-01, -6.39648438e-02,  3.24707031e-02,  7.27539062e-02,
        -1.94091797e-02, -1.15234375e-01, -3.58886719e-02,  2.83203125e-01,
         1.53320312e-01,  8.44726562e-02,  5.37109375e-02,  1.04980469e-01,
         2.63671875e-01, -4.71191406e-02, -4.29687500e-02,  2.79296875e-0
1],
       dtype=float32),
 'psychology': array([ 0.22265625,  0.05419922, -0.04467773,  0.13867188, -
0.07568359,
         0.09521484,  0.26757812, -0.25976562,  0.04077148, -0.25585938,
         0.2109375 ,  0.03295898,  0.10107422,  0.39453125, -0.21582031,
         0.26367188, -0.06005859,  0.14550781,  0.35351562, -0.49023438,
         0.17480469,  0.14746094, -0.04223633, -0.3125    ,  0.07275391,
        -0.0703125 , -0.05664062,  0.17871094, -0.10302734,  0.02160645,
        -0.01049805,  0.15039062,  0.0025177 , -0.12695312, -0.05810547,
         0.0279541 ,  0.05297852,  0.45117188,  0.03173828, -0.11669922,
        -0.05883789, -0.04663086, -0.1484375 ,  0.23925781, -0.12158203,
         0.16113281,  0.06298828, -0.06225586,  0.11865234,  0.15820312,
        -0.26953125,  0.35351562, -0.05053711, -0.12451172, -0.00531006,
        -0.0324707 , -0.16113281, -0.07861328, -0.07666016, -0.36914062,
        -0.07568359, -0.05004883,  0.40039062,  0.00166321, -0.19335938,
        -0.24609375,  0.00485229,  0.38085938, -0.2578125 , -0.0859375 ,
        -0.19628906,  0.03857422,  0.17578125,  0.10498047,  0.05639648,
        -0.07666016, -0.13671875,  0.47460938,  0.14746094, -0.2265625 ,
        -0.07226562,  0.22558594,  0.15917969,  0.00402832,  0.01611328,
        -0.23144531, -0.09228516,  0.42382812, -0.21386719, -0.16503906,
        -0.20898438, -0.26367188, -0.3671875 ,  0.07861328, -0.0402832 ,
         0.20605469,  0.421875  , -0.01733398, -0.0189209 , -0.06933594,
         0.27539062,  0.06005859, -0.11816406, -0.21875   ,  0.25585938,
        -0.15234375, -0.18554688,  0.01757812,  0.03295898, -0.27734375,
        -0.00279236, -0.06640625,  0.19335938,  0.12988281,  0.2265625 ,
        -0.00738525, -0.41210938,  0.13867188,  0.42773438,  0.11279297,
         0.03027344,  0.10742188,  0.04174805,  0.20117188, -0.23535156,
         0.00756836, -0.09765625,  0.03088379, -0.14941406,  0.34765625,
        -0.06787109, -0.4375    , -0.04956055, -0.18945312,  0.1484375 ,
        -0.04296875,  0.09423828,  0.25195312, -0.32226562, -0.01977539,
         0.01818848, -0.2890625 , -0.05615234, -0.05371094, -0.3359375 ,
         0.11181641, -0.14453125,  0.30859375, -0.26171875, -0.11279297,
         0.30859375,  0.20605469, -0.17480469,  0.14257812, -0.20507812,
        -0.265625  , -0.11083984, -0.02075195,  0.16601562, -0.11914062,
         0.12060547, -0.05908203, -0.07421875,  0.15722656, -0.10498047,
         0.38085938,  0.16796875, -0.21679688,  0.12597656, -0.03735352,
        -0.04174805,  0.08496094,  0.03039551,  0.29882812,  0.24121094,
         0.15039062,  0.24316406, -0.12304688,  0.05786133,  0.00616455,
         0.00457764,  0.07568359,  0.00823975,  0.07519531, -0.03198242,
        -0.2734375 , -0.14941406,  0.11621094,  0.02258301,  0.00112152,
         0.20507812,  0.20996094,  0.03564453,  0.10400391, -0.07128906,
         0.0559082 ,  0.16992188, -0.17871094, -0.19824219,  0.08105469,
        -0.09912109,  0.02368164, -0.17285156, -0.18945312, -0.16015625,
        -0.32421875,  0.20800781, -0.05786133,  0.02233887,  0.18066406,
        -0.3203125 , -0.13183594, -0.02209473,  0.09960938,  0.05834961,
         0.06542969, -0.17480469, -0.12158203,  0.01171875, -0.16699219,
        -0.2578125 , -0.12597656,  0.11816406, -0.21191406,  0.17773438,
        -0.17480469,  0.27929688, -0.32421875, -0.39648438,  0.01647949,
         0.25390625,  0.00280762, -0.046875  , -0.09570312, -0.12451172,
         0.20703125,  0.28320312, -0.03759766, -0.03149414,  0.04418945,
         0.05249023,  0.03149414, -0.03417969, -0.0189209 , -0.12207031,
         0.01507568, -0.12890625,  0.15625   , -0.23242188, -0.08837891,
        -0.00125885, -0.07275391,  0.12402344,  0.11523438, -0.10302734,
        -0.09375   , -0.01391602,  0.12695312, -0.10107422,  0.09521484,
         0.0123291 , -0.18261719, -0.13769531,  0.01635742, -0.10449219,
        -0.01794434,  0.17382812, -0.10693359, -0.15527344, -0.01312256,
        -0.04321289,  0.09912109, -0.08935547,  0.01367188,  0.10351562,
         0.14355469, -0.05395508,  0.10205078, -0.03100586,  0.11230469,
         0.29492188, -0.17773438,  0.12109375, -0.03979492, -0.02111816,
```

```
        -0.16796875,  0.0456543 ,  0.04516602,  0.17675781,  0.21582031,
        -0.53125   ,  0.12011719, -0.19921875,  0.04101562,  0.07861328,
        -0.31445312,  0.26757812, -0.09521484,  0.30078125,  0.26757812],
       dtype=float32),
 'valid': array([-4.88281250e-02, -4.16015625e-01,  1.23535156e-01, -5.7617
1875e-02,
        -2.53906250e-01,  2.69531250e-01,  2.31933594e-02,  1.59179688e-01,
         3.76953125e-01, -7.75146484e-03, -2.13867188e-01, -3.93066406e-02,
        -7.56835938e-02, -2.52685547e-02, -2.24609375e-01, -1.51367188e-02,
         5.00000000e-01, -1.89453125e-01, -2.05078125e-02, -1.58203125e-01,
        -1.36718750e-01, -3.37890625e-01, -1.25000000e-01,  2.85156250e-01,
        -4.93164062e-02, -2.32421875e-01, -5.17578125e-02,  2.28271484e-02,
         2.59765625e-01, -1.89453125e-01,  1.16699219e-01, -3.73046875e-01,
         8.54492188e-02, -9.64355469e-03,  2.19726562e-02, -6.07910156e-02,
         7.37304688e-02,  7.61718750e-02, -1.16699219e-01, -1.41601562e-01,
         4.10156250e-02,  2.49023438e-02,  1.77734375e-01, -3.90625000e-02,
         1.52343750e-01, -3.80859375e-01,  2.12890625e-01,  1.08886719e-01,
        -1.10351562e-01,  2.56347656e-02, -3.24218750e-01,  8.78906250e-02,
        -1.33789062e-01,  1.57470703e-02, -1.65039062e-01,  1.10351562e-01,
        -4.44335938e-02, -2.73437500e-01,  4.71191406e-02, -4.12109375e-01,
         2.90527344e-02,  1.66992188e-01,  4.05273438e-02, -1.39648438e-01,
        -8.34960938e-02,  4.63867188e-02, -2.05078125e-01, -2.79541016e-02,
        -1.69921875e-01, -1.85546875e-01,  3.38745117e-03,  9.37500000e-02,
         2.44140625e-01,  8.59375000e-02,  8.39843750e-02,  2.41699219e-02,
         6.92749023e-03,  1.13281250e-01,  1.63085938e-01,  4.64843750e-01,
        -9.21630859e-03, -1.09375000e-01, -1.61132812e-01,  2.27539062e-01,
        -9.42382812e-02, -1.36718750e-01, -1.59179688e-01,  9.42382812e-02,
        -1.82617188e-01,  2.53906250e-01, -2.08007812e-01, -3.17382812e-02,
        -3.49121094e-02, -1.75781250e-01,  1.07421875e-02,  1.05957031e-01,
         7.61718750e-02,  1.23046875e-01,  1.65039062e-01,  1.25976562e-01,
         1.13769531e-01,  8.20312500e-02,  1.50756836e-02,  2.77343750e-01,
        -4.05273438e-02, -3.00781250e-01, -2.63671875e-02, -1.96289062e-01,
         3.88671875e-01, -8.17871094e-03, -6.88476562e-02, -2.01171875e-01,
        -2.63671875e-01,  6.49414062e-02,  1.48437500e-01,  1.44531250e-01,
         1.26953125e-01, -9.76562500e-02,  2.57812500e-01, -7.91015625e-02,
        -1.65039062e-01,  8.49609375e-02,  1.53320312e-01,  4.78515625e-02,
         4.41894531e-02,  1.15234375e-01,  1.28906250e-01,  7.71484375e-02,
        -2.42187500e-01, -6.89697266e-03, -1.17187500e-01, -2.02148438e-01,
        -4.61425781e-02, -1.11328125e-01,  3.51562500e-02, -2.33398438e-01,
        -1.78710938e-01, -6.80541992e-03,  1.09252930e-02,  2.67578125e-01,
        -9.13085938e-02,  6.00585938e-02,  1.10351562e-01,  5.41992188e-02,
        -1.73828125e-01, -1.42578125e-01, -1.96289062e-01,  5.34667969e-02,
         1.87988281e-02, -1.05957031e-01, -2.92968750e-03,  1.31835938e-01,
        -2.06298828e-02, -1.34765625e-01,  3.56445312e-02,  1.52343750e-01,
         4.10156250e-02, -1.89453125e-01, -2.69531250e-01,  8.74023438e-02,
        -2.04101562e-01, -8.10546875e-02,  4.43359375e-01, -1.65039062e-01,
         3.22265625e-01, -1.24511719e-01, -4.51660156e-02,  2.69775391e-02,
        -1.82617188e-01,  8.54492188e-02, -3.04687500e-01, -6.98242188e-02,
         4.54101562e-02, -5.02929688e-02, -1.83105469e-02,  1.70898438e-01,
         6.78710938e-02, -2.43164062e-01, -1.24023438e-01, -1.47094727e-02,
        -2.89062500e-01,  1.16210938e-01, -4.39453125e-01,  4.56542969e-02,
         5.76171875e-02,  9.37500000e-02, -4.19921875e-02,  1.19140625e-01,
         4.88281250e-02,  2.24609375e-01, -2.36328125e-01,  2.73437500e-01,
        -4.57763672e-03, -5.29785156e-02,  1.40380859e-02,  5.39550781e-02,
         7.38525391e-03, -1.98242188e-01, -1.69921875e-01,  8.25195312e-02,
         4.07714844e-02,  2.38281250e-01,  3.24707031e-02,  1.12792969e-01,
        -9.86328125e-02, -6.49414062e-02,  9.91210938e-02,  2.00195312e-01,
         1.72851562e-01,  5.27343750e-02,  1.12304688e-01,  1.77734375e-01,
        -4.12597656e-02,  1.04492188e-01, -2.00195312e-01,  2.37304688e-01,
         2.57812500e-01,  4.95605469e-02,  5.46875000e-02,  1.42578125e-01,
         4.22363281e-02,  2.80761719e-02,  9.17968750e-02, -7.42187500e-02,
         4.70703125e-01,  6.93359375e-02,  3.28125000e-01, -1.66015625e-02,
        -9.21630859e-03,  7.32421875e-02, -1.87988281e-02, -6.88476562e-02,
         1.95312500e-01,  1.26953125e-01, -3.68652344e-02,  2.91015625e-01,
```

```
         2.06054688e-01, -1.01562500e-01, -7.08007812e-02,  6.98242188e-02,
         1.54296875e-01, -1.09375000e-01, -2.49023438e-01,  1.28173828e-02,
        -1.44531250e-01,  3.45703125e-01, -3.26171875e-01,  8.78906250e-03,
        -3.68652344e-02, -5.22460938e-02,  1.90429688e-02,  1.66992188e-01,
        -1.65039062e-01, -2.83203125e-02,  1.92382812e-01,  6.68945312e-02,
         2.55859375e-01,  6.17675781e-02,  1.22070312e-01, -1.79687500e-01,
         9.76562500e-02, -1.39648438e-01,  5.44433594e-02, -3.06640625e-01,
        -1.95503235e-04,  1.18164062e-01, -7.22656250e-02,  5.00488281e-02,
        -4.76074219e-02, -3.65234375e-01,  3.32031250e-01, -5.00488281e-02,
         1.14257812e-01,  3.61328125e-01,  1.09375000e-01, -5.18798828e-03,
        -3.24218750e-01, -2.32421875e-01, -1.69921875e-01,  1.39648438e-01,
        -2.96630859e-02,  1.59179688e-01,  1.22070312e-01, -1.93359375e-01,
        -5.15136719e-02, -1.25976562e-01,  4.37500000e-01,  2.08007812e-01,
        -7.42187500e-02,  5.00488281e-02,  1.55639648e-02, -1.11694336e-02,
         6.78710938e-02,  1.46484375e-01,  3.18359375e-01,  5.66406250e-01,
        -1.49414062e-01, -3.76953125e-01, -1.97265625e-01, -5.32226562e-0
2],
       dtype=float32),
 'least': array([ 0.08056641, -0.14160156,  0.12792969,  0.296875  , -0.044
18945,
         0.00202942,  0.16015625,  0.06884766,  0.18847656, -0.03125   ,
        -0.04638672, -0.32226562, -0.01525879,  0.03881836, -0.11962891,
        -0.07128906, -0.11230469,  0.00260925, -0.0189209 , -0.08056641,
         0.01025391, -0.23535156, -0.1015625 , -0.17578125, -0.00369263,
        -0.13574219, -0.25390625,  0.06982422,  0.05541992,  0.08544922,
        -0.01287842,  0.04858398, -0.14550781,  0.03088379,  0.07568359,
         0.00415039,  0.0703125 , -0.10107422, -0.33203125,  0.12207031,
         0.23339844, -0.07568359, -0.00799561, -0.03417969,  0.09423828,
         0.09765625,  0.00946045,  0.09716797, -0.01245117,  0.04077148,
         0.13476562,  0.06176758, -0.0324707 , -0.0703125 , -0.06225586,
        -0.22070312,  0.02966309, -0.09130859, -0.09960938, -0.15820312,
        -0.17480469,  0.14550781, -0.08935547,  0.00335693,  0.06030273,
        -0.12988281, -0.00976562,  0.21386719, -0.06445312, -0.12695312,
        -0.22265625,  0.12597656,  0.13183594,  0.2109375 , -0.30078125,
         0.00366211, -0.08837891, -0.00708008, -0.01867676,  0.20898438,
         0.18847656, -0.171875  , -0.13671875,  0.08691406, -0.2109375 ,
        -0.03063965,  0.22949219,  0.12109375, -0.0859375 , -0.02050781,
         0.02868652,  0.06835938, -0.13378906, -0.28515625,  0.0090332 ,
        -0.04638672,  0.11132812,  0.06201172, -0.11767578,  0.17382812,
        -0.0291748 , -0.08300781, -0.03833008,  0.05493164,  0.00238037,
        -0.03613281, -0.02734375, -0.00799561,  0.20703125, -0.01556396,
         0.02661133, -0.18554688,  0.06689453,  0.04711914,  0.04077148,
         0.10107422, -0.0062561 ,  0.0279541 ,  0.17675781, -0.04882812,
        -0.14746094,  0.11621094,  0.11523438, -0.00271606, -0.08300781,
        -0.01519775,  0.19628906, -0.13476562, -0.08935547,  0.125     ,
        -0.04663086, -0.14746094, -0.01745605, -0.07324219, -0.08935547,
        -0.15039062, -0.00643921, -0.22167969, -0.05712891,  0.001297  ,
         0.06347656, -0.3203125 ,  0.15234375, -0.00787354,  0.21484375,
         0.0168457 , -0.20019531, -0.17285156, -0.08691406, -0.12304688,
        -0.08300781, -0.20898438, -0.18554688,  0.04858398,  0.02868652,
        -0.03149414,  0.04150391, -0.04882812, -0.01599121, -0.06347656,
        -0.09375   ,  0.07568359, -0.01281738,  0.02746582, -0.06787109,
         0.09472656,  0.0177002 , -0.02197266,  0.02709961,  0.0378418 ,
        -0.234375  , -0.10498047, -0.02856445, -0.0402832 ,  0.0144043 ,
        -0.14160156, -0.20117188, -0.16503906, -0.05957031, -0.07568359,
        -0.08105469,  0.10253906,  0.00643921,  0.08007812, -0.16894531,
         0.05712891, -0.08300781, -0.08886719,  0.05419922, -0.11767578,
         0.10449219, -0.01977539, -0.07128906, -0.1796875 , -0.09619141,
         0.13671875,  0.07958984,  0.18164062, -0.31054688, -0.04956055,
        -0.03955078,  0.27929688,  0.02099609,  0.22070312,  0.01696777,
        -0.11621094, -0.10400391,  0.02893066,  0.13867188,  0.0546875 ,
         0.04223633,  0.11865234, -0.05053711,  0.06445312, -0.17285156,
         0.22851562, -0.11669922, -0.07275391, -0.05859375, -0.01379395,
         0.03417969,  0.01965332, -0.09619141, -0.12792969,  0.28320312,
```

```
         0.06445312,  0.06738281,  0.16503906, -0.05566406,  0.06005859,
        -0.10693359, -0.02722168, -0.02160645,  0.23730469,  0.00537109,
         0.10498047,  0.06542969, -0.08886719, -0.02514648, -0.00634766,
         0.00448608,  0.24414062, -0.03369141, -0.17285156, -0.07128906,
         0.01855469,  0.03808594,  0.05273438,  0.03491211,  0.02270508,
        -0.05126953,  0.11035156, -0.03857422, -0.05932617,  0.13769531,
         0.07470703,  0.14257812,  0.24316406, -0.10986328, -0.03637695,
         0.13476562, -0.18457031, -0.03466797,  0.09228516,  0.09033203,
         0.05688477, -0.13574219, -0.04614258, -0.06640625,  0.01599121,
         0.3515625 ,  0.09228516, -0.07373047, -0.10205078,  0.08349609,
        -0.02355957, -0.20410156, -0.02941895,  0.12011719,  0.10351562,
         0.06591797,  0.08789062,  0.12890625,  0.21679688, -0.04174805,
        -0.16308594,  0.01385498,  0.07470703, -0.03173828,  0.13867188,
         0.07373047,  0.02124023, -0.0324707 , -0.00209045, -0.10839844,
         0.11816406, -0.22753906,  0.10351562,  0.01977539,  0.04174805],
       dtype=float32),
 'one': array([ 0.0456543 , -0.14550781,  0.15625   ,  0.16601562,  0.10986
328,
         0.00750732,  0.07373047, -0.03100586,  0.15722656,  0.09960938,
         0.05200195, -0.1484375 ,  0.06445312,  0.11816406, -0.02648926,
         0.09033203,  0.00964355, -0.12353516, -0.02856445,  0.00723267,
        -0.06445312,  0.08105469, -0.08740234, -0.04077148,  0.01879883,
         0.08251953, -0.07958984,  0.07910156,  0.01104736,  0.08349609,
         0.00184631,  0.07617188,  0.04833984,  0.01000977,  0.00909424,
         0.00775146,  0.02453613, -0.03039551,  0.04589844, -0.02661133,
         0.10253906, -0.01391602,  0.01745605,  0.06347656,  0.06005859,
         0.03955078,  0.09863281,  0.0112915 , -0.08691406, -0.02563477,
        -0.05029297,  0.05029297,  0.01452637,  0.00224304, -0.05297852,
        -0.00866699,  0.03051758,  0.01275635,  0.05688477,  0.07861328,
         0.03051758,  0.09667969,  0.00386047, -0.20605469, -0.07568359,
        -0.00860596, -0.06445312,  0.00848389, -0.05883789,  0.12890625,
         0.01403809,  0.08740234,  0.06445312, -0.01055908, -0.04858398,
        -0.03149414, -0.02319336,  0.13476562,  0.06884766,  0.0859375 ,
         0.09472656, -0.16308594,  0.14648438, -0.08935547, -0.1171875 ,
        -0.08886719, -0.02282715, -0.02575684, -0.04614258, -0.07080078,
         0.07568359,  0.13476562, -0.05761719, -0.05761719, -0.17773438,
        -0.05932617,  0.1171875 ,  0.04199219, -0.13574219,  0.04785156,
        -0.06396484, -0.02709961,  0.02111816, -0.00897217, -0.01220703,
        -0.01165771,  0.11083984,  0.00056458,  0.00031471, -0.09228516,
        -0.09960938, -0.11279297, -0.02966309,  0.03222656,  0.16308594,
         0.06005859,  0.06542969, -0.04785156,  0.18554688,  0.02734375,
        -0.22753906, -0.01745605, -0.12158203,  0.04638672, -0.06542969,
        -0.12792969,  0.06298828, -0.04785156,  0.04663086,  0.12695312,
        -0.03112793, -0.16894531, -0.0189209 , -0.0100708 ,  0.1015625 ,
        -0.14257812, -0.04516602, -0.09033203, -0.02294922,  0.08544922,
         0.11621094, -0.17480469,  0.10058594,  0.02441406,  0.25390625,
         0.11621094, -0.0378418 , -0.0234375 , -0.08544922, -0.04003906,
        -0.06445312, -0.01385498, -0.12890625,  0.04150391, -0.08447266,
         0.04077148, -0.08642578, -0.15625   , -0.0043335 , -0.01708984,
        -0.18261719, -0.01818848,  0.06347656, -0.00540161, -0.02319336,
        -0.00662231,  0.07910156, -0.06933594, -0.1328125 , -0.06005859,
        -0.18359375, -0.02575684, -0.00842285, -0.27734375, -0.03125   ,
        -0.09716797,  0.01538086, -0.08203125, -0.02526855, -0.00083542,
         0.04199219, -0.08642578, -0.0168457 ,  0.08300781, -0.06738281,
         0.07177734, -0.00488281,  0.02209473,  0.07275391,  0.00325012,
         0.02575684, -0.01513672,  0.04931641, -0.07470703, -0.07958984,
        -0.01049805, -0.03417969,  0.06054688, -0.16894531, -0.20605469,
         0.04711914,  0.10986328,  0.03417969,  0.078125  , -0.11425781,
        -0.04907227, -0.10253906, -0.04077148,  0.05981445, -0.04248047,
         0.09326172,  0.12792969, -0.07128906,  0.01867676, -0.03271484,
         0.08544922, -0.00509644, -0.04589844, -0.14355469,  0.06787109,
         0.0291748 ,  0.05053711,  0.00393677, -0.06176758,  0.12988281,
        -0.01843262,  0.13574219,  0.08789062,  0.0612793 ,  0.01831055,
        -0.04223633,  0.01177979,  0.06201172,  0.09228516,  0.1015625 ,
```

```
         0.00473022,  0.02075195, -0.10058594, -0.03979492,  0.02075195,
         0.04443359, -0.02038574, -0.04492188, -0.20605469,  0.12304688,
         0.00136566,  0.015625  , -0.04663086,  0.07080078, -0.04614258,
        -0.06738281, -0.07666016,  0.03149414,  0.00500488,  0.00204468,
         0.07275391,  0.03393555,  0.04736328, -0.02612305, -0.15039062,
        -0.03515625, -0.01867676, -0.09179688, -0.03588867,  0.07714844,
         0.09521484,  0.06591797,  0.10693359, -0.18847656,  0.05004883,
         0.06640625, -0.00595093, -0.03320312,  0.0088501 ,  0.13183594,
        -0.0859375 , -0.19726562, -0.12695312, -0.0177002 , -0.125     ,
        -0.04370117,  0.02111816,  0.03149414,  0.09521484, -0.01794434,
        -0.08349609, -0.13671875, -0.07519531, -0.01428223,  0.07373047,
        -0.02893066, -0.01300049, -0.06030273, -0.03271484, -0.10351562,
         0.04467773, -0.09521484, -0.01586914,  0.00671387, -0.00188446],
       dtype=float32),
 '3': array([ 0.11474609, -0.08349609,  0.03369141,  0.10546875, -0.0927734
4,
        -0.0189209 ,  0.09423828, -0.13085938,  0.08740234,  0.09960938,
        -0.0703125 , -0.0456543 ,  0.12597656, -0.08300781, -0.05078125,
        -0.09033203,  0.09716797,  0.01184082,  0.02307129,  0.00076294,
        -0.15332031, -0.15039062,  0.03564453, -0.04003906,  0.05639648,
         0.02514648, -0.13574219, -0.05200195,  0.08203125, -0.03979492,
        -0.22851562, -0.14160156, -0.08544922, -0.42578125, -0.296875  ,
        -0.00976562, -0.11865234,  0.20117188, -0.03320312,  0.12451172,
         0.13964844, -0.05908203,  0.00509644,  0.07666016,  0.01171875,
         0.11083984,  0.12792969, -0.01416016, -0.01916504,  0.03295898,
        -0.22265625,  0.18164062,  0.140625  , -0.06591797, -0.17285156,
         0.08886719, -0.09814453, -0.12988281, -0.11767578, -0.00787354,
        -0.20605469,  0.04516602, -0.05102539, -0.20507812, -0.03271484,
         0.05615234, -0.01806641,  0.14160156,  0.30078125,  0.15039062,
        -0.08056641, -0.11767578,  0.02111816, -0.05004883,  0.16699219,
         0.12890625,  0.00081635, -0.13378906,  0.08154297, -0.00509644,
        -0.09667969, -0.08496094,  0.10009766,  0.10302734, -0.00282288,
         0.06005859, -0.09570312,  0.17773438,  0.13964844, -0.01428223,
        -0.15722656,  0.171875  , -0.00180817, -0.09814453,  0.03833008,
         0.04418945, -0.02197266,  0.0324707 ,  0.09472656,  0.23535156,
         0.11035156, -0.01635742,  0.01519775, -0.14746094,  0.02648926,
        -0.09033203,  0.0324707 , -0.19628906, -0.06445312, -0.15234375,
        -0.00558472, -0.12060547, -0.15039062, -0.16699219,  0.00811768,
         0.0859375 ,  0.16113281,  0.08447266,  0.00358582,  0.02966309,
        -0.05761719,  0.04223633,  0.11328125, -0.10449219,  0.27148438,
        -0.0703125 ,  0.12597656,  0.16308594,  0.08349609,  0.09619141,
         0.07324219,  0.10107422, -0.05395508, -0.0291748 , -0.16601562,
        -0.02380371,  0.01428223,  0.03637695,  0.01019287,  0.1875    ,
         0.05273438,  0.21972656,  0.15234375,  0.05175781, -0.03442383,
        -0.05566406,  0.20703125,  0.10742188, -0.06689453, -0.05224609,
         0.16894531, -0.05273438, -0.15039062,  0.04223633, -0.20410156,
         0.17871094,  0.06445312,  0.05834961, -0.10449219,  0.12353516,
        -0.04394531, -0.02990723,  0.27148438,  0.08642578, -0.0267334 ,
         0.19824219,  0.18457031,  0.18847656, -0.0559082 , -0.02429199,
         0.01391602, -0.14257812, -0.00671387, -0.14355469, -0.12792969,
        -0.02453613,  0.10644531, -0.12792969, -0.02758789,  0.07177734,
        -0.11621094, -0.10058594,  0.01745605,  0.3515625 ,  0.03320312,
        -0.09277344,  0.20507812,  0.05322266,  0.27929688, -0.28515625,
         0.02270508, -0.25      ,  0.15234375, -0.24023438, -0.03198242,
         0.04833984, -0.0456543 ,  0.15429688, -0.06103516, -0.27539062,
        -0.2734375 ,  0.03173828, -0.0050354 , -0.08837891,  0.03039551,
        -0.04907227, -0.08056641,  0.03857422, -0.06689453, -0.05883789,
         0.046875  ,  0.01300049,  0.05078125, -0.05664062, -0.14648438,
         0.16015625,  0.16601562, -0.14941406,  0.01330566, -0.15917969,
        -0.08691406, -0.0300293 ,  0.05175781,  0.06201172,  0.05493164,
        -0.01086426, -0.34375   ,  0.08349609, -0.02685547, -0.10546875,
        -0.02392578,  0.0456543 ,  0.01153564,  0.16503906, -0.15722656,
         0.08154297,  0.04174805, -0.24902344, -0.02868652, -0.07470703,
        -0.18652344,  0.28515625,  0.13769531, -0.15917969, -0.02648926,
```

```
        -0.01202393,  0.07324219, -0.0546875 ,  0.11914062, -0.125     ,
         0.03759766,  0.12255859, -0.1875    , -0.03808594,  0.1484375 ,
         0.05151367,  0.06933594, -0.23144531,  0.06738281, -0.13867188,
         0.01867676, -0.07714844, -0.06347656, -0.00315857,  0.0859375 ,
         0.02868652,  0.0378418 ,  0.00379944, -0.09765625,  0.01202393,
         0.10742188, -0.02209473,  0.08300781, -0.16699219,  0.22851562,
         0.00805664, -0.22167969, -0.01177979,  0.07910156,  0.09033203,
         0.078125  ,  0.12988281, -0.01721191,  0.07275391,  0.16699219,
        -0.13867188,  0.0456543 ,  0.125     , -0.08642578,  0.09912109,
        -0.03759766, -0.00872803, -0.15820312,  0.12353516, -0.0625    ,
         0.06445312, -0.15527344, -0.11230469, -0.07275391,  0.07519531],
       dtype=float32),
 'strong': array([ 0.02575684,  0.11474609, -0.02075195,  0.11083984, -0.20
800781,
        -0.10986328, -0.22851562, -0.11669922,  0.12890625,  0.14648438,
        -0.12011719, -0.02307129,  0.03735352,  0.03979492, -0.02307129,
        -0.16796875,  0.10644531,  0.03613281, -0.203125  , -0.08203125,
         0.0612793 ,  0.20800781, -0.17773438, -0.06933594,  0.12792969,
        -0.12109375, -0.0546875 ,  0.05737305, -0.03833008, -0.04125977,
         0.11914062, -0.05908203,  0.07324219, -0.05029297,  0.14453125,
         0.21679688, -0.109375  ,  0.14160156, -0.14257812, -0.05615234,
         0.36132812, -0.1953125 ,  0.24023438,  0.08544922, -0.08349609,
        -0.08398438,  0.00823975, -0.13476562,  0.19921875, -0.08691406,
         0.27734375,  0.01177979, -0.18066406,  0.26171875, -0.01208496,
         0.06494141, -0.05493164, -0.19921875, -0.0703125 , -0.28515625,
        -0.27148438,  0.15234375, -0.27148438, -0.12011719, -0.09082031,
         0.12255859, -0.02001953, -0.08447266, -0.0246582 ,  0.0378418 ,
        -0.07080078, -0.08203125,  0.08740234,  0.06005859, -0.12695312,
         0.13964844,  0.3125    ,  0.04492188,  0.2734375 ,  0.12255859,
         0.05639648, -0.12597656, -0.02148438,  0.10449219, -0.01879883,
        -0.27929688, -0.31835938,  0.24023438, -0.27539062,  0.13476562,
         0.03930664, -0.00338745, -0.09179688,  0.05981445,  0.10595703,
        -0.0612793 ,  0.07128906,  0.19628906, -0.04760742, -0.09765625,
        -0.15917969, -0.01940918,  0.16601562,  0.03369141,  0.09521484,
        -0.1171875 ,  0.03515625, -0.11132812,  0.18457031, -0.03051758,
        -0.03320312, -0.0559082 , -0.22753906,  0.03295898,  0.12060547,
        -0.1796875 , -0.0390625 ,  0.04003906,  0.00793457, -0.11376953,
        -0.0378418 , -0.29101562,  0.07958984,  0.26367188, -0.27734375,
        -0.06591797,  0.04736328, -0.08007812, -0.15429688,  0.15136719,
        -0.18261719,  0.07763672,  0.06445312,  0.01708984, -0.01916504,
        -0.14648438,  0.40039062,  0.04101562, -0.00488281,  0.0098877 ,
        -0.13183594,  0.15136719,  0.20996094,  0.04931641, -0.21582031,
        -0.11328125,  0.02404785, -0.09228516,  0.29101562, -0.05493164,
         0.14648438, -0.03637695,  0.25976562,  0.28320312, -0.10888672,
         0.22265625, -0.05297852, -0.00946045,  0.17089844, -0.02319336,
        -0.2109375 , -0.01397705,  0.07666016, -0.125     ,  0.28515625,
         0.01342773,  0.03442383, -0.08984375, -0.012146  , -0.01586914,
        -0.29492188, -0.0234375 ,  0.17773438, -0.26953125,  0.08984375,
         0.07324219,  0.02502441,  0.06298828, -0.12255859, -0.00195312,
        -0.07080078, -0.17382812,  0.00637817, -0.07714844, -0.21386719,
        -0.07470703, -0.06835938, -0.0045166 , -0.13183594,  0.00332642,
        -0.14648438,  0.04101562, -0.02478027, -0.09082031, -0.02416992,
        -0.15429688,  0.05810547, -0.23242188, -0.19140625, -0.02307129,
         0.02746582,  0.22167969,  0.17675781, -0.17773438, -0.07421875,
        -0.09326172, -0.00469971, -0.20800781,  0.23242188, -0.0189209 ,
        -0.26367188,  0.00964355, -0.11621094,  0.05566406, -0.0098877 ,
        -0.09326172,  0.11181641, -0.03344727,  0.01025391,  0.09667969,
         0.12109375,  0.09521484, -0.13085938, -0.01123047,  0.07666016,
        -0.28320312,  0.04833984, -0.24902344,  0.18261719,  0.29882812,
        -0.2734375 , -0.06933594,  0.15234375, -0.00144196, -0.12207031,
         0.171875  , -0.25      , -0.26171875, -0.08935547,  0.02319336,
         0.11328125,  0.00268555,  0.06689453,  0.16601562,  0.20800781,
        -0.01977539,  0.07470703, -0.21875   , -0.03662109,  0.01019287,
         0.012146  ,  0.13964844, -0.01055908,  0.0189209 ,  0.01422119,
```

```
        -0.17480469,  0.14453125,  0.0625    , -0.06347656,  0.06640625,
         0.2265625 , -0.09277344, -0.16699219,  0.05664062,  0.00411987,
         0.07421875, -0.10253906, -0.28125   ,  0.00946045,  0.01745605,
        -0.02770996,  0.08935547, -0.16113281, -0.03540039,  0.09130859,
         0.06640625, -0.12988281, -0.18652344, -0.0168457 ,  0.23144531,
        -0.0324707 ,  0.10058594, -0.12890625, -0.01208496, -0.0546875 ,
         0.05297852, -0.01208496,  0.05200195,  0.07861328, -0.19628906,
         0.05297852,  0.10595703, -0.08642578, -0.07275391, -0.08105469,
        -0.10009766,  0.04101562, -0.08007812,  0.08300781, -0.12988281],
       dtype=float32),
 'willingness': array([ 1.20117188e-01,  3.39843750e-01, -7.17773438e-02,
2.22656250e-01,
        -1.31835938e-01,  3.88183594e-02,  8.54492188e-02,  3.51562500e-02,
         2.71484375e-01,  1.99218750e-01,  3.12805176e-03, -1.49414062e-01,
         2.04101562e-01, -1.50390625e-01, -4.45312500e-01,  1.42578125e-01,
        -2.36816406e-02,  3.30078125e-01, -9.61914062e-02, -1.14746094e-02,
        -1.37695312e-01, -1.80664062e-01, -1.92382812e-01,  3.32031250e-01,
         1.92382812e-01, -1.64062500e-01, -1.88476562e-01,  1.57226562e-01,
        -2.55859375e-01,  3.98437500e-01,  2.99072266e-02,  1.46484375e-01,
         1.08032227e-02, -1.98242188e-01,  2.64892578e-02,  3.26171875e-01,
         2.42187500e-01,  4.10156250e-01, -1.86523438e-01, -2.53906250e-01,
         3.47656250e-01, -1.82617188e-01, -2.83203125e-01, -5.22460938e-02,
        -2.73437500e-01, -1.42578125e-01, -7.66601562e-02, -3.23486328e-03,
         1.86767578e-02, -3.49609375e-01, -1.98242188e-01,  2.17773438e-01,
        -1.25000000e-01,  8.20312500e-02,  1.34765625e-01,  1.99218750e-01,
        -6.25000000e-02,  9.22851562e-02, -1.04980469e-01,  1.04980469e-01,
         1.27929688e-01,  1.70898438e-01, -3.00292969e-02,  5.44433594e-02,
        -1.72851562e-01, -1.30859375e-01,  1.07421875e-02,  2.04101562e-01,
         1.09863281e-01, -1.15356445e-02,  1.78710938e-01, -4.95605469e-02,
        -1.69921875e-01,  9.61914062e-02,  5.07812500e-02, -3.24218750e-01,
         3.04687500e-01,  5.23437500e-01, -1.14257812e-01,  1.94335938e-01,
        -2.25830078e-02,  1.89208984e-02, -1.52587891e-02, -1.34765625e-01,
        -3.24707031e-02, -2.50244141e-02, -1.29882812e-01,  1.53320312e-01,
         8.15429688e-02,  1.16210938e-01,  8.30078125e-02, -4.71191406e-02,
        -1.59179688e-01, -1.50390625e-01,  6.88476562e-02, -1.89453125e-01,
        -3.85742188e-02,  3.24218750e-01, -1.05468750e-01, -1.74804688e-01,
         4.63867188e-02, -2.52685547e-02,  4.76837158e-04,  2.90527344e-02,
         1.57226562e-01,  7.91015625e-02, -2.74658203e-02, -6.54296875e-02,
         2.44140625e-01,  9.03320312e-02, -3.49609375e-01, -2.39257812e-02,
        -3.59375000e-01,  1.55273438e-01, -3.19824219e-02,  1.47460938e-01,
         3.33984375e-01, -2.53906250e-01,  8.74023438e-02,  5.81054688e-02,
        -1.36718750e-01,  2.10937500e-01, -3.68652344e-02,  1.12304688e-01,
        -1.72851562e-01, -1.52343750e-01, -1.53320312e-01, -2.89062500e-01,
        -2.71484375e-01, -3.36914062e-02, -3.04687500e-01,  9.13085938e-02,
         1.23535156e-01,  2.78320312e-02, -5.00488281e-02, -1.20605469e-01,
         6.34765625e-02, -2.41210938e-01, -1.03149414e-02,  3.22265625e-02,
        -2.04101562e-01, -7.42187500e-02,  1.11328125e-01,  1.11816406e-01,
         4.37011719e-02,  3.32031250e-01,  7.61718750e-02,  3.32031250e-02,
         1.04003906e-01,  1.10839844e-01,  1.40625000e-01,  2.31933594e-02,
         2.16796875e-01, -1.09375000e-01,  9.17968750e-02,  7.71484375e-02,
         2.11914062e-01,  1.66992188e-01,  1.74560547e-02,  7.29370117e-03,
         1.88476562e-01,  1.06933594e-01,  1.62353516e-02, -4.58984375e-02,
        -1.41601562e-01, -1.43554688e-01,  2.94921875e-01, -1.70898438e-02,
         1.63085938e-01, -1.52343750e-01,  2.85156250e-01,  1.51367188e-01,
         1.15722656e-01, -8.93554688e-02,  1.13281250e-01,  9.42382812e-02,
        -1.06445312e-01, -1.81640625e-01, -9.66796875e-02, -2.06054688e-01,
        -1.90429688e-01,  1.79687500e-01,  1.15234375e-01, -1.97265625e-01,
         1.36718750e-01, -3.08593750e-01, -2.19726562e-01, -1.66992188e-01,
         2.30468750e-01, -6.03027344e-02,  8.59375000e-02,  1.51367188e-01,
         7.71484375e-02,  6.00585938e-02, -5.27343750e-02, -1.75781250e-01,
         1.41601562e-01,  4.25781250e-01, -8.49609375e-02, -2.92968750e-01,
        -3.37890625e-01,  3.63281250e-01,  1.12792969e-01, -1.33789062e-01,
         2.85156250e-01, -2.27539062e-01, -1.88446045e-03,  1.98242188e-01,
         2.37304688e-01,  7.71484375e-02, -3.22265625e-01, -1.34765625e-01,
```

```
        -1.38671875e-01,  2.83203125e-01, -1.14257812e-01,  1.24023438e-01,
         6.05468750e-02,  6.34765625e-02, -1.88476562e-01,  3.14453125e-01,
        -2.06054688e-01, -1.61132812e-01, -9.96093750e-02,  5.41992188e-02,
        -2.94921875e-01,  1.57470703e-02,  3.06640625e-01,  2.34375000e-02,
         3.37890625e-01,  9.57031250e-02, -1.04003906e-01,  7.17773438e-02,
         2.42187500e-01,  4.85839844e-02,  2.09960938e-01, -1.94335938e-01,
         2.02148438e-01, -5.02929688e-02,  6.20117188e-02,  1.55273438e-01,
        -7.22656250e-02, -2.08984375e-01,  1.76239014e-03, -1.95312500e-02,
         2.08007812e-01, -3.87573242e-03, -2.73437500e-02, -1.73828125e-01,
         9.86328125e-02, -1.26953125e-01, -1.85546875e-02,  1.22070312e-01,
         2.40478516e-02, -1.07910156e-01,  8.54492188e-02, -1.86523438e-01,
         4.58984375e-01,  3.11279297e-02, -1.66015625e-01,  7.61718750e-02,
        -2.08007812e-01, -8.66699219e-03, -2.33398438e-01,  3.33984375e-01,
         9.81445312e-02,  4.02832031e-02,  1.08398438e-01, -4.90722656e-02,
        -1.04980469e-01,  9.52148438e-02,  1.83105469e-02,  3.08593750e-01,
         3.57421875e-01, -5.02929688e-02,  2.06054688e-01, -7.37304688e-02,
         2.28271484e-02,  2.08007812e-01, -1.27929688e-01,  1.11328125e-01,
        -1.70898438e-02,  1.48437500e-01,  1.76757812e-01,  1.55273438e-01,
        -1.90429688e-01, -3.29589844e-02,  2.61718750e-01,  3.51562500e-01,
         1.41601562e-01,  2.67578125e-01, -4.19921875e-01, -9.71679688e-02,
        -4.56542969e-02, -2.51953125e-01, -5.34667969e-02, -4.98046875e-02,
         2.18750000e-01,  7.32421875e-02, -2.42187500e-01, -2.33154297e-0
2],
       dtype=float32),
 'accept': array([-0.23144531, -0.09277344,  0.05712891,  0.20117188, -0.04
467773,
         0.08251953,  0.25195312,  0.05126953,  0.15234375,  0.26953125,
        -0.26367188, -0.1640625 , -0.12988281,  0.13769531, -0.16015625,
         0.30664062,  0.27539062, -0.11914062,  0.18457031, -0.10546875,
        -0.12255859,  0.09570312,  0.10595703,  0.27929688,  0.37695312,
        -0.11816406, -0.12304688, -0.08007812,  0.15625   , -0.16699219,
         0.06298828, -0.13574219, -0.35351562,  0.09912109, -0.04077148,
        -0.2109375 ,  0.09716797,  0.21191406, -0.09130859,  0.03369141,
         0.16796875,  0.0201416 ,  0.0625    , -0.13085938,  0.01226807,
        -0.1796875 , -0.14941406, -0.00848389, -0.19335938, -0.07373047,
        -0.04150391,  0.05810547, -0.21484375, -0.21875   , -0.15527344,
         0.06640625, -0.12304688, -0.03125   ,  0.01177979,  0.00340271,
        -0.00946045,  0.09814453,  0.03881836,  0.22851562,  0.15820312,
        -0.27929688, -0.02648926,  0.21875   , -0.02111816,  0.29101562,
         0.34375   , -0.02185059,  0.10058594,  0.26367188, -0.14355469,
        -0.31445312,  0.2265625 ,  0.11474609,  0.171875  , -0.00772095,
        -0.08740234, -0.02966309, -0.02978516,  0.05883789,  0.09277344,
        -0.09277344, -0.12402344, -0.07324219,  0.140625  , -0.12890625,
        -0.00466919,  0.12988281, -0.04443359, -0.07177734,  0.12304688,
         0.02270508,  0.00241089,  0.20410156,  0.12695312, -0.15136719,
        -0.07910156, -0.04345703, -0.12988281,  0.12792969, -0.03222656,
        -0.375     ,  0.13085938, -0.26367188,  0.02514648,  0.06445312,
         0.0112915 , -0.23925781, -0.05517578,  0.0011673 ,  0.17675781,
        -0.01184082,  0.20019531, -0.234375  ,  0.10449219,  0.13378906,
         0.22265625,  0.17089844, -0.08740234,  0.203125  , -0.13574219,
        -0.03735352,  0.05419922, -0.09326172,  0.0177002 , -0.1796875 ,
         0.15039062, -0.00463867, -0.12792969, -0.11767578, -0.02453613,
        -0.02587891, -0.28515625,  0.1328125 ,  0.04345703, -0.03039551,
        -0.20117188, -0.05249023, -0.12207031, -0.09033203, -0.1328125 ,
         0.171875  , -0.07177734, -0.17480469, -0.13378906,  0.16503906,
         0.06591797,  0.00488281, -0.07763672, -0.23730469,  0.00183105,
        -0.0703125 , -0.03320312, -0.06689453, -0.04077148,  0.20019531,
         0.22851562, -0.06640625,  0.07763672, -0.13867188,  0.20019531,
        -0.24609375,  0.09765625, -0.16113281, -0.03613281,  0.07275391,
         0.01055908, -0.02075195,  0.02502441, -0.06542969,  0.20605469,
        -0.01635742,  0.12109375,  0.0456543 , -0.24023438, -0.01397705,
        -0.13867188, -0.14550781, -0.05078125,  0.07714844, -0.10498047,
        -0.06591797, -0.29492188,  0.05639648, -0.09960938,  0.21777344,
         0.16894531,  0.09912109, -0.00488281,  0.09814453, -0.17285156,
```

```
        -0.06884766,  0.234375  , -0.10253906, -0.34179688, -0.19335938,
        -0.08496094,  0.01550293, -0.00799561,  0.08251953, -0.11621094,
         0.22070312,  0.07373047,  0.11279297,  0.07177734, -0.18554688,
         0.15527344,  0.2109375 ,  0.20214844,  0.13769531, -0.31054688,
         0.18164062,  0.0078125 , -0.07666016,  0.01928711, -0.15722656,
         0.16113281, -0.07324219, -0.12597656,  0.00494385,  0.07080078,
         0.02392578,  0.17089844, -0.07763672,  0.14746094,  0.02734375,
         0.11181641,  0.03198242,  0.04101562, -0.03466797,  0.40429688,
        -0.07519531,  0.01141357, -0.08984375,  0.09326172,  0.17773438,
        -0.12695312, -0.15625   , -0.13085938,  0.04589844, -0.2578125 ,
        -0.04418945, -0.0025177 ,  0.16992188, -0.05981445, -0.10400391,
         0.24609375,  0.07958984, -0.17675781,  0.06347656, -0.11035156,
         0.16601562,  0.09277344,  0.26757812,  0.14746094,  0.18359375,
        -0.19824219, -0.10009766,  0.04248047,  0.140625  ,  0.05102539,
         0.14453125,  0.07470703,  0.09667969, -0.25585938, -0.01422119,
         0.03125   ,  0.13867188,  0.3203125 , -0.23730469, -0.01239014,
        -0.14550781, -0.22363281, -0.11132812, -0.06884766, -0.04418945,
         0.02868652, -0.02160645,  0.12304688, -0.10791016,  0.16210938,
         0.12255859,  0.05810547,  0.15332031, -0.05102539,  0.00427246,
         0.00927734,  0.15527344,  0.03466797,  0.19140625, -0.01623535,
         0.23046875,  0.04931641,  0.04931641,  0.05737305,  0.05737305],
       dtype=float32),
 'communicate': array([ 6.93359375e-02, -3.18359375e-01, -1.66015625e-01,
2.46582031e-02,
        -2.83203125e-01,  1.21093750e-01,  7.08007812e-02,  4.32128906e-02,
         1.59179688e-01, -2.55859375e-01, -2.21679688e-01, -1.64062500e-01,
        -1.18164062e-01,  4.29687500e-01,  4.12597656e-02,  8.88671875e-02,
        -5.49316406e-02,  4.25781250e-01,  4.49218750e-02, -1.29882812e-01,
         3.78906250e-01,  1.93359375e-01,  3.90625000e-02,  6.17675781e-02,
         1.10626221e-03, -8.05664062e-02, -9.13085938e-02,  8.20312500e-02,
         1.34765625e-01, -2.28515625e-01,  1.80664062e-01, -9.08203125e-02,
        -2.59765625e-01, -3.04687500e-01,  2.65625000e-01, -1.86523438e-01,
         4.02832031e-02,  3.61328125e-02,  1.64062500e-01, -1.61132812e-01,
        -9.17968750e-02,  2.71484375e-01, -2.51953125e-01,  1.04980469e-01,
         2.42919922e-02, -7.12890625e-02, -2.59765625e-01,  9.52148438e-02,
        -3.82812500e-01, -3.46679688e-02, -3.39843750e-01, -6.59179688e-02,
        -1.22070312e-01, -1.03027344e-01, -2.59765625e-01,  1.33789062e-01,
         3.24707031e-02, -1.57226562e-01,  2.53906250e-01,  6.73828125e-02,
         7.37304688e-02, -1.43554688e-01, -1.55273438e-01,  5.61523438e-02,
        -1.19140625e-01,  7.71484375e-02, -1.19628906e-01,  2.73437500e-01,
         1.40625000e-01,  5.78613281e-02, -1.45507812e-01, -3.46679688e-02,
         1.12304688e-01, -1.98242188e-01, -4.15039062e-02, -2.43164062e-01,
        -1.14257812e-01,  8.25195312e-02,  1.47460938e-01,  1.39648438e-01,
        -1.74804688e-01,  4.15039062e-02,  1.94335938e-01,  1.10351562e-01,
         1.93359375e-01, -3.41796875e-02, -1.92382812e-01, -1.88476562e-01,
        -2.40234375e-01,  3.88671875e-01,  4.51660156e-02, -2.47070312e-01,
        -1.12304688e-02, -4.44335938e-02,  1.20117188e-01, -8.49609375e-02,
         1.71875000e-01,  8.83789062e-02,  5.12695312e-02, -1.24511719e-02,
        -2.34375000e-01, -2.08007812e-01,  3.70025635e-04,  1.83593750e-01,
         4.80957031e-02, -1.25976562e-01,  1.90429688e-02, -4.00390625e-02,
         2.55859375e-01,  4.27246094e-02, -3.04687500e-01, -4.06250000e-01,
         9.08203125e-02, -1.94335938e-01,  1.04492188e-01,  1.43554688e-01,
         2.15820312e-01, -1.58203125e-01, -1.73828125e-01,  5.34667969e-02,
        -2.38281250e-01,  3.75976562e-02, -2.85644531e-02,  3.12500000e-01,
         1.60156250e-01, -7.86132812e-02, -1.43554688e-01, -8.49609375e-02,
         4.90722656e-02,  1.44531250e-01, -7.81250000e-03, -6.25000000e-02,
        -2.44140625e-02,  1.17187500e-01,  7.66601562e-02, -1.74804688e-01,
        -3.21960449e-03,  1.17675781e-01,  4.61425781e-02, -3.78906250e-01,
         2.69531250e-01,  8.98437500e-02, -4.17968750e-01, -1.13769531e-01,
        -6.54296875e-02,  7.37304688e-02, -1.56250000e-01, -1.70898438e-01,
        -1.50390625e-01,  1.48437500e-01, -2.02636719e-02,  1.02539062e-01,
        -6.07910156e-02,  1.53320312e-01,  8.69140625e-02,  7.51953125e-02,
        -1.81640625e-01, -3.63769531e-02, -2.26562500e-01, -6.22558594e-02,
         5.29785156e-02,  3.35937500e-01, -2.31445312e-01, -1.57470703e-02,
```

```
        -2.91015625e-01, -9.81445312e-02,  6.78710938e-02, -2.10937500e-01,
         4.39453125e-01,  1.09863281e-01, -1.57226562e-01,  3.90625000e-02,
         2.21679688e-01, -7.71484375e-02,  7.51953125e-02,  4.45312500e-01,
         6.25000000e-02, -1.87500000e-01, -2.73437500e-01, -1.31835938e-01,
        -1.12304688e-02,  1.85546875e-01,  1.49536133e-02, -8.78906250e-02,
         8.83789062e-02, -1.22558594e-01, -1.03027344e-01, -2.81250000e-01,
        -5.15136719e-02, -1.35742188e-01, -1.40625000e-01, -1.04003906e-01,
        -5.05371094e-02, -1.70898438e-01,  1.90429688e-02,  1.48437500e-01,
         9.37500000e-02, -8.83789062e-02, -2.20703125e-01, -1.74804688e-01,
        -2.50244141e-02, -1.46484375e-01,  9.42382812e-02, -4.07714844e-02,
        -1.23535156e-01, -3.18359375e-01, -2.14843750e-02, -6.54296875e-02,
        -1.94335938e-01, -2.36328125e-01, -7.81250000e-02,  1.58691406e-02,
         7.86132812e-02, -1.66015625e-01, -2.39257812e-01,  1.23535156e-01,
         2.87109375e-01, -9.61914062e-02, -3.55468750e-01, -2.20703125e-01,
        -1.37695312e-01,  1.54296875e-01,  4.80957031e-02,  9.37500000e-02,
        -1.11328125e-01, -1.10351562e-01, -1.09375000e-01,  6.83593750e-02,
        -1.29882812e-01, -3.41796875e-01, -1.00097656e-01, -1.08398438e-01,
         1.51367188e-01,  1.01562500e-01,  4.70703125e-01, -2.69531250e-01,
        -1.21093750e-01, -1.78710938e-01,  9.91210938e-02,  1.58203125e-01,
        -3.28125000e-01, -1.25000000e-01, -7.81250000e-02,  1.43554688e-01,
        -6.17675781e-02, -6.34765625e-02, -6.07910156e-02,  1.24511719e-02,
         8.39843750e-02, -1.51367188e-01, -4.83398438e-02,  1.41601562e-01,
        -7.61718750e-02,  3.51562500e-01,  2.10937500e-01, -2.44140625e-01,
        -2.38281250e-01,  2.21679688e-01,  6.17675781e-02, -2.21679688e-01,
        -2.16796875e-01, -2.91015625e-01, -2.09960938e-01,  1.90429688e-01,
         5.12695312e-02,  7.47070312e-02,  3.08593750e-01, -2.50000000e-01,
        -1.60156250e-01,  6.64062500e-02,  1.40625000e-01,  1.67968750e-01,
        -9.86328125e-02, -2.85644531e-02,  1.68945312e-01, -3.04687500e-01,
        -3.24218750e-01,  5.29785156e-02,  3.24707031e-02, -2.24609375e-01,
        -2.75878906e-02, -5.00488281e-02,  2.30468750e-01,  6.59179688e-02,
         6.83593750e-02,  6.88476562e-02,  1.11083984e-02,  1.89453125e-01,
         1.71875000e-01,  6.34765625e-02, -5.37109375e-02,  1.35742188e-01,
         4.34570312e-02, -1.86523438e-01, -2.83203125e-01,  4.07714844e-02,
         1.49414062e-01, -8.10546875e-02,  5.73730469e-03, -7.95898438e-0
2],
       dtype=float32),
 'effectively': array([-1.83105469e-02, -1.12792969e-01, -1.88476562e-01, -
1.59912109e-02,
        -1.83105469e-02, -5.17578125e-02, -6.93359375e-02,  1.24023438e-01,
         3.73535156e-02, -2.02148438e-01, -1.60156250e-01, -3.02734375e-01,
        -3.66210938e-02,  8.88671875e-02, -1.68945312e-01,  1.24511719e-01,
        -1.47460938e-01,  2.47070312e-01, -2.61230469e-02,  2.25830078e-02,
         2.08984375e-01, -1.58203125e-01, -1.03027344e-01,  1.15722656e-01,
         2.59765625e-01, -7.93457031e-04,  7.47070312e-02, -1.08398438e-01,
         1.52343750e-01,  1.44531250e-01,  1.26953125e-01,  1.06201172e-02,
         8.64257812e-02,  2.06298828e-02,  1.86523438e-01,  8.25195312e-02,
        -9.32617188e-02,  3.39355469e-02,  1.65039062e-01, -2.47802734e-02,
         9.47265625e-02, -7.95898438e-02,  3.68652344e-02, -9.61914062e-02,
        -4.19921875e-02, -1.86523438e-01, -4.76074219e-02,  9.66796875e-02,
         1.04492188e-01,  1.25976562e-01,  7.17773438e-02,  1.79290771e-03,
        -1.72851562e-01, -2.36816406e-02, -1.51367188e-01, -6.44531250e-02,
        -8.10546875e-02, -2.29492188e-01,  1.62109375e-01, -6.73828125e-02,
         1.36718750e-01,  1.20605469e-01, -1.56250000e-01, -5.85937500e-02,
        -2.73437500e-01, -1.37329102e-02,  8.00781250e-02,  1.76757812e-01,
        -5.76171875e-02,  1.29882812e-01,  7.95898438e-02,  8.74023438e-02,
         1.73828125e-01, -7.08007812e-02,  1.62353516e-02, -2.55859375e-01,
         2.26562500e-01,  2.83203125e-01,  1.61132812e-01, -3.61328125e-02,
        -1.64062500e-01,  1.67968750e-01, -3.93066406e-02,  1.56250000e-01,
         1.31225586e-02, -1.88476562e-01, -2.11914062e-01,  1.28906250e-01,
        -1.52343750e-01,  2.38281250e-01, -1.02050781e-01,  2.86865234e-02,
        -9.66796875e-02, -4.68750000e-02, -2.75878906e-02, -8.69140625e-02,
        -1.56250000e-01, -1.56250000e-01,  5.00488281e-02,  1.05468750e-01,
        -4.08935547e-03, -5.49316406e-02, -3.93066406e-02,  5.12695312e-02,
        -2.00195312e-01, -1.02050781e-01, -1.16699219e-01, -1.03149414e-02,
```

```
         1.22070312e-01, -2.20947266e-02, -7.08007812e-02, -1.52343750e-01,
        -2.31445312e-01, -9.81445312e-02,  1.70898438e-01,  2.39257812e-01,
         1.26953125e-01, -5.93261719e-02,  9.71679688e-02,  1.06445312e-01,
        -1.28906250e-01, -9.94873047e-03,  3.29589844e-02, -4.19921875e-02,
         2.35595703e-02, -1.67968750e-01,  2.85339355e-03,  2.85644531e-02,
         1.70898438e-02,  8.42285156e-03,  2.81250000e-01,  7.91015625e-02,
        -3.83300781e-02, -7.76367188e-02, -4.73632812e-02, -8.93554688e-02,
        -1.87988281e-02, -1.34765625e-01,  4.61425781e-02,  3.90625000e-02,
         1.81640625e-01, -2.33398438e-01,  2.00195312e-02,  5.93261719e-02,
         1.71875000e-01, -1.87500000e-01, -1.08398438e-01, -1.44195557e-03,
         6.78710938e-02,  2.13867188e-01,  6.73828125e-02,  1.31835938e-01,
         2.33154297e-02,  5.44433594e-02,  3.97949219e-02,  1.84570312e-01,
        -1.32812500e-01, -9.66796875e-02, -1.96289062e-01, -1.62109375e-01,
         8.36181641e-03,  2.87109375e-01,  1.26953125e-01, -1.23046875e-01,
        -2.29492188e-01, -1.65039062e-01, -1.20605469e-01, -1.44531250e-01,
         9.46044922e-03, -6.93359375e-02, -1.27929688e-01,  1.08886719e-01,
        -1.32812500e-01,  3.68652344e-02, -1.04003906e-01,  1.30859375e-01,
         1.28906250e-01, -1.73828125e-01, -2.30468750e-01,  8.49609375e-02,
        -1.26953125e-01,  1.72119141e-02, -1.14746094e-01, -7.47070312e-02,
        -8.64257812e-02,  1.87500000e-01,  1.09375000e-01,  1.24511719e-01,
         1.50390625e-01, -4.98046875e-02, -2.00195312e-01, -2.28271484e-02,
         3.19824219e-02, -1.68457031e-02,  8.27789307e-04, -2.07031250e-01,
        -8.44726562e-02, -1.04003906e-01,  2.87109375e-01, -9.86328125e-02,
         2.47802734e-02,  7.95898438e-02,  1.54296875e-01,  7.37304688e-02,
         1.72851562e-01, -1.07421875e-01,  1.96533203e-02, -1.41601562e-01,
        -1.64062500e-01, -5.88378906e-02, -2.92968750e-01, -1.01562500e-01,
        -2.16796875e-01,  2.24609375e-02, -1.63085938e-01, -1.66015625e-01,
         1.27563477e-02, -8.69140625e-02, -1.94091797e-02,  1.01074219e-01,
        -1.60156250e-01,  2.47802734e-02, -3.03955078e-02, -8.64257812e-02,
         2.06298828e-02,  1.14135742e-02,  1.04492188e-01,  2.34375000e-02,
         2.09960938e-01, -7.27539062e-02,  8.54492188e-02,  5.49316406e-02,
         2.25585938e-01, -3.49121094e-02, -2.01416016e-02, -1.83593750e-01,
        -1.82617188e-01,  2.91015625e-01, -1.15356445e-02,  2.90527344e-02,
        -3.26171875e-01, -3.39355469e-02,  1.92382812e-01, -2.06054688e-01,
        -5.59082031e-02, -7.51953125e-02,  1.48437500e-01,  3.10058594e-02,
        -1.48437500e-01, -1.94091797e-02, -5.07812500e-02, -4.63867188e-02,
        -6.25000000e-02,  2.09960938e-01,  3.03955078e-02, -1.59179688e-01,
         1.15722656e-01, -4.17480469e-02,  5.93261719e-02, -1.77734375e-01,
         1.43432617e-02,  1.81884766e-02, -3.95507812e-02,  1.77734375e-01,
        -1.32812500e-01, -4.54101562e-02,  2.57812500e-01, -4.51660156e-02,
        -5.02929688e-02,  1.26342773e-02,  1.01562500e-01,  9.86328125e-02,
        -1.42578125e-01,  1.49414062e-01,  1.11816406e-01, -2.59765625e-01,
        -9.32617188e-02,  4.32128906e-02,  4.10156250e-02, -4.15039062e-02,
        -6.00585938e-02,  1.07421875e-01,  3.20434570e-04,  1.97265625e-01,
         8.93554688e-02,  8.64257812e-02,  2.84423828e-02,  6.22558594e-02,
         1.50390625e-01, -1.42822266e-02, -1.91406250e-01,  7.95898438e-02,
         2.65502930e-03,  2.89306641e-02, -1.41601562e-01,  9.42382812e-02,
        -6.59179688e-02,  9.32617188e-02, -2.26562500e-01,  1.29394531e-0
2],
       dtype=float32),
 'independently': array([-0.19335938, -0.43554688, -0.26757812,  0.2265625
, -0.00939941,
         0.1796875 , -0.06591797, -0.04931641,  0.31445312, -0.08789062,
        -0.00723267, -0.17675781, -0.11621094,  0.00113678, -0.20117188,
         0.27734375, -0.20605469,  0.12255859, -0.10205078,  0.01495361,
        -0.06176758, -0.13476562, -0.15039062,  0.18164062,  0.01263428,
        -0.00479126, -0.00136566,  0.12402344, -0.11523438, -0.27539062,
        -0.03125   ,  0.20117188, -0.08447266,  0.04199219, -0.05395508,
        -0.10449219, -0.08496094, -0.16699219, -0.08056641, -0.10498047,
         0.17871094,  0.3828125 , -0.23339844,  0.14355469,  0.13769531,
        -0.07080078,  0.0625    ,  0.01904297,  0.08398438,  0.08447266,
         0.17480469,  0.06201172, -0.02368164,  0.08300781,  0.02856445,
        -0.02685547, -0.07421875, -0.25390625, -0.11035156, -0.09619141,
         0.24316406,  0.0859375 , -0.06787109, -0.1484375 , -0.24023438,
```

```
        -0.24707031,  0.0546875 ,  0.34765625, -0.20410156,  0.10009766,
        -0.00753784,  0.01141357,  0.11474609, -0.10107422, -0.06396484,
        -0.19824219,  0.28515625,  0.25195312,  0.02490234,  0.06835938,
         0.16503906, -0.06982422,  0.01672363,  0.12353516, -0.125     ,
         0.02075195, -0.23925781,  0.1796875 , -0.00854492,  0.18164062,
        -0.08398438,  0.06933594, -0.20898438,  0.09326172,  0.10644531,
         0.05126953, -0.12158203, -0.1328125 , -0.18164062, -0.18847656,
         0.35351562, -0.12304688,  0.03344727,  0.06689453, -0.08789062,
         0.00104523, -0.18261719,  0.12109375,  0.27148438,  0.01904297,
        -0.14941406, -0.203125  , -0.16308594, -0.10449219,  0.09130859,
         0.12988281, -0.25585938, -0.09082031,  0.00476074,  0.06640625,
        -0.21386719, -0.06030273,  0.07568359,  0.10791016, -0.11816406,
         0.01916504, -0.08544922,  0.14941406,  0.08935547,  0.06079102,
         0.234375  , -0.00506592,  0.04101562,  0.04931641, -0.11914062,
         0.06982422, -0.06347656, -0.08203125,  0.18652344,  0.0546875 ,
         0.04345703, -0.23828125, -0.13085938,  0.24707031, -0.06689453,
         0.10742188, -0.03662109, -0.03149414,  0.34960938,  0.12890625,
         0.04052734,  0.18164062, -0.00354004,  0.02001953,  0.375     ,
         0.06298828, -0.26367188, -0.06347656, -0.00488281,  0.15234375,
        -0.03662109,  0.1484375 ,  0.17089844,  0.23632812,  0.03369141,
        -0.171875  , -0.03369141, -0.03930664,  0.203125  ,  0.06933594,
        -0.06640625, -0.12353516,  0.25195312, -0.25      , -0.00848389,
        -0.02966309,  0.02832031, -0.21972656, -0.28320312, -0.04760742,
        -0.27539062, -0.09863281, -0.22949219, -0.2265625 ,  0.08447266,
        -0.00177765, -0.09277344,  0.15429688, -0.05395508, -0.04882812,
        -0.05957031,  0.15820312, -0.22949219, -0.1640625 , -0.00662231,
        -0.296875  ,  0.06689453, -0.26953125,  0.13769531, -0.03930664,
         0.23535156,  0.1484375 ,  0.04833984,  0.12207031, -0.05517578,
        -0.28320312,  0.00177002, -0.09912109,  0.14453125, -0.1484375 ,
         0.19726562,  0.00209045, -0.07910156,  0.28710938, -0.08691406,
        -0.27929688, -0.06884766,  0.12695312, -0.1171875 ,  0.00775146,
        -0.04296875,  0.12207031, -0.05151367, -0.22070312, -0.1484375 ,
         0.13476562,  0.16113281,  0.29101562,  0.00744629, -0.09130859,
         0.25390625, -0.16308594,  0.2578125 ,  0.00595093,  0.17382812,
        -0.25      , -0.06982422,  0.07910156,  0.01843262,  0.05664062,
        -0.33984375, -0.32421875,  0.19140625,  0.14453125,  0.12304688,
         0.0612793 , -0.01446533, -0.17285156, -0.03491211, -0.23339844,
         0.02807617, -0.16308594, -0.02185059, -0.13085938,  0.19042969,
         0.03442383, -0.06347656,  0.04077148,  0.07421875, -0.09521484,
         0.09521484, -0.05126953,  0.26953125,  0.26757812,  0.08789062,
         0.24902344, -0.09423828,  0.13378906, -0.05493164, -0.08837891,
         0.16015625,  0.00283813,  0.11621094,  0.18554688,  0.18847656,
        -0.27148438, -0.09619141, -0.25      ,  0.13183594, -0.02966309,
         0.00061417, -0.00427246, -0.03833008,  0.08447266,  0.22753906,
        -0.15332031,  0.04760742,  0.11962891,  0.40234375,  0.2265625 ,
         0.0072937 ,  0.19824219, -0.03662109,  0.15917969, -0.12060547,
        -0.02734375, -0.07226562,  0.12792969, -0.18164062, -0.1796875 ],
       dtype=float32),
 'driver': array([ 0.18847656, -0.26171875, -0.06982422, -0.21875   , -0.00
595093,
        -0.02099609, -0.00338745, -0.0480957 ,  0.12597656,  0.03491211,
         0.10351562, -0.08740234, -0.05200195, -0.265625  ,  0.00460815,
        -0.01239014,  0.07519531, -0.05859375,  0.15429688, -0.20117188,
        -0.125     ,  0.16210938, -0.10302734,  0.12695312,  0.2734375 ,
        -0.15136719, -0.20898438,  0.37695312,  0.34570312, -0.11865234,
         0.05126953, -0.14550781, -0.03417969,  0.04541016, -0.06982422,
         0.02307129,  0.32421875,  0.04125977, -0.03173828, -0.10449219,
        -0.16015625, -0.0390625 ,  0.31835938,  0.20605469,  0.03125   ,
        -0.09814453,  0.00543213,  0.21484375,  0.34570312,  0.18261719,
        -0.32226562,  0.12890625,  0.09863281, -0.03979492, -0.08496094,
         0.17871094, -0.06591797,  0.265625  , -0.03515625, -0.11767578,
        -0.03125   ,  0.03540039, -0.10693359, -0.06689453,  0.13964844,
         0.40625   ,  0.12158203, -0.04370117, -0.10791016,  0.02392578,
        -0.19042969,  0.17382812,  0.01977539, -0.00634766,  0.08984375,
```

```
         0.2578125 , -0.02209473,  0.09179688,  0.0390625 , -0.13085938,
         0.328125  , -0.03393555, -0.10644531, -0.03271484,  0.01989746,
         0.01208496, -0.05419922,  0.03442383, -0.26953125, -0.02294922,
         0.10107422, -0.14941406, -0.03540039,  0.1015625 ,  0.14746094,
         0.06835938, -0.0246582 ,  0.14550781,  0.06347656, -0.19628906,
        -0.23046875, -0.421875  ,  0.30273438,  0.1640625 ,  0.19042969,
        -0.2890625 ,  0.11328125, -0.18554688,  0.00340271,  0.23046875,
        -0.18457031, -0.44335938, -0.21777344, -0.29492188,  0.14257812,
        -0.22949219, -0.01293945, -0.07373047,  0.07470703,  0.12597656,
         0.07519531,  0.25585938, -0.26367188,  0.00070572, -0.08105469,
         0.01794434, -0.02526855, -0.17089844, -0.00172424, -0.0859375 ,
         0.00082779, -0.26367188, -0.01599121, -0.2734375 ,  0.16308594,
        -0.04296875,  0.01574707, -0.14550781, -0.02111816,  0.3515625 ,
         0.0300293 , -0.16210938, -0.12988281,  0.06689453, -0.17480469,
         0.05664062,  0.11474609,  0.18554688, -0.22753906, -0.29101562,
         0.08300781,  0.09716797, -0.19433594, -0.19042969, -0.1484375 ,
         0.13183594, -0.1640625 ,  0.04785156, -0.30078125, -0.12353516,
        -0.15820312,  0.25      ,  0.40820312,  0.06445312,  0.00952148,
        -0.14257812,  0.10253906,  0.01159668,  0.33398438, -0.27929688,
         0.03637695,  0.15625   ,  0.01538086, -0.20019531, -0.06445312,
         0.06298828,  0.03735352, -0.13085938, -0.23730469, -0.10449219,
        -0.09765625,  0.14550781,  0.00564575, -0.17578125, -0.12890625,
         0.11328125,  0.11083984,  0.10839844, -0.10351562,  0.18847656,
         0.03710938, -0.04296875, -0.14648438,  0.10839844,  0.13769531,
        -0.06933594, -0.09326172, -0.09716797, -0.07324219, -0.06494141,
         0.0189209 ,  0.06445312, -0.125     ,  0.10058594, -0.15820312,
        -0.23144531, -0.10351562,  0.05419922,  0.12304688, -0.22460938,
         0.171875  ,  0.01672363,  0.13867188,  0.11816406, -0.08447266,
         0.22070312, -0.06005859, -0.25      , -0.17480469,  0.12988281,
        -0.21582031, -0.23925781,  0.5078125 , -0.01538086, -0.03979492,
         0.00279236,  0.12695312, -0.20605469,  0.08984375, -0.27929688,
         0.14453125,  0.00186157,  0.02612305,  0.09667969, -0.50390625,
        -0.16796875, -0.04516602, -0.10644531,  0.04516602, -0.0037384 ,
         0.10644531, -0.140625  , -0.17480469, -0.41015625,  0.04101562,
        -0.16308594, -0.08398438, -0.02197266,  0.1640625 , -0.16210938,
         0.24414062,  0.04101562, -0.02832031, -0.16210938, -0.18554688,
         0.03710938, -0.07470703, -0.08251953, -0.00427246, -0.11132812,
         0.11279297,  0.05834961,  0.03173828, -0.01385498,  0.14550781,
         0.15039062, -0.09863281, -0.01159668, -0.33398438, -0.10546875,
        -0.20019531, -0.01342773, -0.02209473,  0.32617188, -0.26757812,
         0.24023438,  0.01470947, -0.21972656, -0.31445312, -0.01409912,
         0.04223633, -0.06640625, -0.02282715,  0.01550293, -0.07617188,
        -0.06054688,  0.07226562, -0.09521484, -0.03710938,  0.17089844,
         0.01403809,  0.234375  ,  0.07177734,  0.01904297, -0.03369141,
         0.09375   , -0.06347656,  0.0378418 , -0.03637695, -0.17578125],
       dtype=float32),
 'license': array([-0.07861328, -0.46484375,  0.1640625 , -0.328125  ,  0.0
9912109,
         0.03857422,  0.14648438, -0.18847656,  0.00421143,  0.01098633,
         0.01977539,  0.05566406, -0.34179688, -0.29492188, -0.28320312,
         0.17675781,  0.12890625,  0.296875  ,  0.18457031, -0.40039062,
        -0.03112793, -0.11328125, -0.06640625,  0.26757812,  0.05102539,
        -0.14941406,  0.10302734,  0.31835938,  0.20605469, -0.1796875 ,
         0.18164062, -0.01092529,  0.20214844, -0.07080078,  0.00257874,
         0.16015625, -0.03442383,  0.02624512, -0.04101562, -0.14453125,
         0.05932617, -0.23925781,  0.19726562, -0.09082031, -0.15917969,
         0.00415039,  0.27734375,  0.20117188, -0.10009766, -0.09521484,
        -0.12353516, -0.06298828,  0.32226562, -0.35742188,  0.10693359,
        -0.05126953, -0.01379395,  0.00189209,  0.08837891, -0.17382812,
         0.28515625, -0.02722168,  0.16699219, -0.33203125, -0.34960938,
         0.625     , -0.16992188, -0.14746094, -0.33789062, -0.3359375 ,
        -0.14550781, -0.17480469,  0.26757812,  0.07324219,  0.19824219,
         0.07080078,  0.05688477,  0.05517578,  0.16503906,  0.2421875 ,
        -0.00750732, -0.20019531, -0.07080078,  0.09912109,  0.00227356,
```

```
         0.10595703,  0.01916504,  0.3203125 , -0.26757812,  0.06738281,
        -0.00357056,  0.00552368, -0.12353516, -0.43554688, -0.08789062,
        -0.02331543, -0.24511719, -0.15039062,  0.04296875, -0.2578125 ,
        -0.09130859, -0.07958984, -0.03295898,  0.2578125 ,  0.25976562,
        -0.29492188, -0.03369141, -0.24511719,  0.2578125 ,  0.00738525,
         0.02258301, -0.20410156, -0.0703125 , -0.14941406, -0.19140625,
         0.01672363,  0.24707031, -0.05419922,  0.48632812, -0.36523438,
        -0.00110626,  0.05786133, -0.3984375 ,  0.16503906,  0.11230469,
        -0.01019287,  0.11230469,  0.29101562,  0.23242188,  0.07128906,
         0.29101562, -0.09912109, -0.02441406, -0.19921875,  0.0145874 ,
         0.20605469, -0.06542969, -0.0255127 ,  0.09667969,  0.24121094,
        -0.37304688,  0.05859375, -0.17285156,  0.26953125,  0.20410156,
        -0.10449219,  0.04248047,  0.03637695, -0.11621094, -0.12597656,
         0.12011719,  0.01806641,  0.02331543, -0.16894531, -0.0300293 ,
        -0.16796875, -0.12792969,  0.33984375, -0.34960938,  0.11279297,
         0.16210938,  0.10400391,  0.2421875 ,  0.12792969,  0.15429688,
        -0.0625    ,  0.02709961, -0.16894531, -0.234375  , -0.05761719,
        -0.0559082 , -0.12695312,  0.1171875 , -0.14355469, -0.11230469,
        -0.09863281,  0.40820312, -0.20898438, -0.1484375 , -0.24316406,
        -0.31835938, -0.08007812, -0.10253906, -0.16601562,  0.01531982,
         0.15332031,  0.33398438, -0.16796875, -0.0279541 , -0.08105469,
        -0.1796875 ,  0.06591797, -0.21191406,  0.140625  , -0.07373047,
         0.00970459, -0.15917969, -0.203125  ,  0.14355469,  0.16992188,
         0.21875   ,  0.21289062,  0.15136719,  0.07519531, -0.13378906,
        -0.03613281, -0.02001953,  0.09912109,  0.32617188,  0.02734375,
        -0.03149414,  0.38476562,  0.19433594,  0.27734375,  0.22460938,
         0.203125  ,  0.3046875 , -0.07128906,  0.09130859, -0.30664062,
        -0.28320312, -0.03417969,  0.18164062,  0.05078125,  0.14648438,
        -0.36132812, -0.12011719,  0.07910156,  0.11230469, -0.17773438,
        -0.02807617, -0.06396484, -0.07861328, -0.19726562, -0.14550781,
        -0.00662231,  0.43164062,  0.10644531, -0.01843262,  0.1953125 ,
         0.09863281, -0.31640625, -0.00160217, -0.20703125,  0.07958984,
         0.05786133, -0.16308594, -0.28710938,  0.08251953, -0.13476562,
         0.13378906,  0.078125  ,  0.00075531, -0.1640625 , -0.28710938,
         0.09960938, -0.00610352,  0.07958984, -0.20605469, -0.17675781,
        -0.01184082, -0.05175781,  0.01013184,  0.03515625, -0.04760742,
         0.09912109, -0.27148438,  0.03271484, -0.10546875, -0.14453125,
         0.16308594, -0.05004883,  0.27539062,  0.34570312,  0.10791016,
         0.15917969, -0.43554688, -0.02905273, -0.3203125 ,  0.07568359,
        -0.12890625,  0.34375   ,  0.34179688,  0.29882812, -0.17871094,
        -0.03808594,  0.375     , -0.14453125, -0.16796875,  0.0246582 ,
        -0.07080078,  0.20996094, -0.01867676,  0.04150391,  0.19824219,
         0.17285156,  0.03808594, -0.17382812, -0.234375  , -0.09326172],
       dtype=float32),
 'material': array([-0.0022583 ,  0.19335938,  0.12890625,  0.16503906, -0.
1796875 ,
         0.01257324,  0.00120544,  0.05712891,  0.1171875 , -0.10351562,
        -0.0090332 , -0.20507812, -0.05273438,  0.06835938, -0.26953125,
        -0.09082031, -0.06298828,  0.01519775, -0.11962891, -0.19238281,
         0.07568359, -0.24316406, -0.09228516,  0.08447266,  0.08007812,
        -0.16796875, -0.13671875,  0.03466797, -0.06542969, -0.28125   ,
        -0.125     , -0.26367188, -0.08789062,  0.15429688,  0.01391602,
         0.20117188, -0.00118256, -0.09326172,  0.02844238, -0.19433594,
        -0.11474609,  0.18457031,  0.15136719, -0.01177979, -0.18164062,
        -0.08398438, -0.0300293 ,  0.11962891, -0.10546875,  0.00564575,
         0.20117188, -0.11621094, -0.14160156,  0.01501465,  0.05834961,
         0.05786133,  0.24023438, -0.29882812,  0.12597656, -0.09960938,
         0.11914062, -0.19335938, -0.09033203,  0.08007812, -0.21484375,
         0.03076172, -0.05957031, -0.18261719, -0.06542969,  0.36914062,
         0.11376953, -0.27148438,  0.1328125 , -0.04711914, -0.13769531,
        -0.00540161,  0.1640625 ,  0.0703125 ,  0.10742188, -0.13085938,
         0.10791016,  0.0222168 ,  0.01403809, -0.06640625,  0.01306152,
        -0.17773438,  0.06347656,  0.140625  , -0.00427246,  0.13964844,
        -0.14355469, -0.10595703,  0.08300781,  0.12451172,  0.01672363,
```

```
        -0.27148438, -0.11816406,  0.17871094,  0.03442383,  0.05273438,
         0.02600098,  0.01062012,  0.03149414, -0.12353516, -0.32421875,
        -0.05932617,  0.13378906, -0.07617188, -0.06396484, -0.29296875,
        -0.01843262,  0.06445312,  0.08642578,  0.08740234,  0.00561523,
        -0.04467773, -0.05517578, -0.07128906,  0.12890625,  0.22558594,
        -0.08984375,  0.00299072, -0.04345703,  0.05053711, -0.04516602,
         0.13183594, -0.13085938, -0.27148438, -0.01062012,  0.09716797,
        -0.02209473, -0.12890625, -0.10546875,  0.20214844,  0.34375   ,
        -0.13964844,  0.08691406, -0.1875    ,  0.02111816, -0.08447266,
         0.23632812,  0.05419922,  0.22070312,  0.15136719,  0.12695312,
        -0.02062988,  0.23925781,  0.25976562, -0.22460938,  0.06030273,
         0.05517578, -0.22558594,  0.02429199,  0.18554688, -0.04296875,
        -0.10888672, -0.35351562,  0.03686523, -0.10498047, -0.0133667 ,
         0.08886719,  0.10205078,  0.05395508,  0.5078125 , -0.06884766,
        -0.04345703,  0.11035156,  0.10986328, -0.00793457,  0.14550781,
         0.1484375 , -0.05249023,  0.07421875, -0.00848389,  0.12695312,
        -0.13769531,  0.07861328, -0.23730469, -0.28515625, -0.11132812,
         0.1640625 , -0.1484375 , -0.11572266, -0.09130859, -0.01965332,
         0.01928711, -0.17382812, -0.05957031,  0.38476562,  0.296875  ,
         0.08544922,  0.00631714,  0.06103516,  0.0144043 , -0.06738281,
         0.11230469, -0.02734375, -0.30078125, -0.02539062, -0.19140625,
         0.17285156,  0.10253906, -0.14648438,  0.1484375 , -0.04492188,
         0.07519531,  0.02502441,  0.06298828, -0.1640625 ,  0.09228516,
         0.16308594,  0.01300049, -0.03540039,  0.08251953,  0.06445312,
         0.10058594,  0.09521484,  0.18457031, -0.01019287,  0.04248047,
         0.23242188, -0.16992188, -0.17675781,  0.00089264, -0.07666016,
        -0.03979492, -0.08544922, -0.01293945,  0.24121094, -0.03198242,
         0.04345703,  0.125     , -0.08544922, -0.109375  , -0.15722656,
        -0.17773438,  0.05078125,  0.00076675,  0.20507812, -0.09326172,
         0.10986328,  0.11914062,  0.36914062, -0.11523438,  0.06347656,
        -0.1484375 , -0.05566406,  0.11474609, -0.05957031,  0.16601562,
         0.140625  , -0.01403809, -0.26953125,  0.0612793 , -0.01464844,
        -0.08935547, -0.03295898,  0.11572266, -0.00233459,  0.07177734,
         0.13476562, -0.06884766, -0.23535156, -0.10693359,  0.03039551,
         0.14648438,  0.02612305, -0.15722656, -0.03149414, -0.38085938,
         0.07763672,  0.0480957 ,  0.47851562,  0.10986328, -0.04418945,
         0.06054688, -0.15429688, -0.11816406, -0.11132812, -0.08007812,
        -0.24804688, -0.00613403,  0.12597656,  0.02880859,  0.14453125,
        -0.20214844,  0.18554688,  0.06445312, -0.08544922,  0.21777344,
        -0.19335938,  0.06787109, -0.10742188,  0.04370117, -0.23632812,
        -0.10742188,  0.140625  , -0.09863281,  0.03027344, -0.06640625],
       dtype=float32),
 'equipment': array([-0.19238281,  0.00092697,  0.19628906,  0.06152344, -
0.24707031,
         0.02185059,  0.01623535,  0.04248047, -0.08984375, -0.14746094,
         0.16503906, -0.20703125,  0.04150391,  0.13867188, -0.07470703,
        -0.00848389, -0.33203125, -0.06591797,  0.08837891, -0.02709961,
         0.13476562, -0.10400391, -0.01269531,  0.26953125,  0.17285156,
        -0.00823975, -0.34570312,  0.00701904,  0.00234985, -0.15332031,
        -0.06494141, -0.35742188,  0.05517578, -0.04492188,  0.08154297,
        -0.14453125, -0.29296875, -0.078125  ,  0.10986328, -0.15820312,
         0.03710938,  0.06738281,  0.21191406, -0.1328125 , -0.09667969,
         0.08154297, -0.31640625,  0.15234375, -0.34570312,  0.09570312,
        -0.03027344,  0.01818848,  0.01806641, -0.37695312, -0.19335938,
        -0.03881836,  0.26757812,  0.22265625,  0.10351562, -0.02636719,
        -0.06933594, -0.0201416 , -0.14453125, -0.21191406, -0.09033203,
         0.19824219, -0.21484375, -0.10205078, -0.10253906,  0.11132812,
         0.23046875, -0.16699219, -0.00048065,  0.18652344, -0.04101562,
        -0.00469971, -0.03393555, -0.265625  , -0.22851562, -0.20605469,
         0.16796875,  0.10693359,  0.2421875 ,  0.12792969, -0.02050781,
        -0.31054688, -0.23730469,  0.3828125 , -0.05761719,  0.25585938,
         0.10253906,  0.21972656,  0.02404785, -0.04638672,  0.07421875,
        -0.19238281, -0.02111816, -0.15136719,  0.19140625, -0.08642578,
         0.13574219,  0.04467773, -0.01782227,  0.10546875, -0.15234375,
```

```
         0.1953125 ,  0.1875    , -0.23730469,  0.08007812, -0.01208496,
        -0.10888672,  0.1640625 ,  0.03198242, -0.01013184, -0.17089844,
         0.15722656,  0.37304688,  0.18847656, -0.02478027, -0.05981445,
        -0.1015625 , -0.00527954, -0.02758789, -0.10839844,  0.12792969,
         0.0255127 , -0.15917969, -0.22949219,  0.12695312,  0.33007812,
         0.05419922,  0.10888672, -0.12011719,  0.09960938, -0.08398438,
        -0.0390625 ,  0.1796875 , -0.14257812, -0.41015625, -0.00759888,
         0.14355469, -0.02368164,  0.3046875 ,  0.28125   ,  0.16796875,
        -0.26953125,  0.18066406, -0.08203125, -0.17773438,  0.0177002 ,
        -0.09960938, -0.0020752 ,  0.01721191,  0.09912109, -0.17089844,
         0.15820312, -0.14453125,  0.15625   , -0.23046875, -0.14160156,
         0.15917969,  0.18554688, -0.13378906, -0.00219727,  0.03857422,
        -0.09130859, -0.01330566, -0.23828125,  0.18164062, -0.13671875,
         0.12011719, -0.09619141, -0.07666016, -0.14648438, -0.03857422,
        -0.17578125,  0.09716797, -0.09033203, -0.20410156, -0.06884766,
        -0.33007812, -0.14550781, -0.0612793 ,  0.11962891,  0.01745605,
        -0.01831055, -0.02282715, -0.11523438,  0.171875  ,  0.24707031,
        -0.09375   ,  0.14160156, -0.25976562,  0.25976562, -0.14746094,
         0.05175781,  0.15332031, -0.16601562, -0.02746582, -0.30859375,
        -0.11572266,  0.06396484, -0.21289062,  0.03466797, -0.16113281,
        -0.13476562, -0.01031494, -0.02062988,  0.14355469, -0.06176758,
         0.09912109,  0.07373047, -0.21972656,  0.03320312, -0.01446533,
         0.06103516,  0.00561523,  0.25976562, -0.16503906, -0.19140625,
        -0.01422119, -0.15136719,  0.02380371,  0.07763672, -0.11914062,
        -0.06738281, -0.28710938, -0.00201416, -0.0324707 , -0.3515625 ,
        -0.05908203,  0.10302734, -0.14355469, -0.23535156, -0.22851562,
         0.12451172, -0.06201172, -0.10351562,  0.00048828, -0.17578125,
         0.25195312, -0.15039062, -0.07080078,  0.03051758,  0.05615234,
        -0.08398438, -0.05297852,  0.01928711, -0.05004883, -0.23925781,
        -0.06787109,  0.12353516, -0.171875  ,  0.03955078, -0.02197266,
        -0.07421875,  0.13964844, -0.09521484, -0.08349609,  0.05444336,
        -0.07958984, -0.12255859, -0.08740234, -0.05078125,  0.22460938,
        -0.01177979, -0.20605469, -0.25390625,  0.07080078,  0.13964844,
         0.01550293, -0.13378906,  0.14941406, -0.01379395,  0.11669922,
        -0.16210938,  0.07177734, -0.07324219,  0.02478027,  0.125     ,
        -0.04931641,  0.01196289,  0.390625  ,  0.11279297, -0.03063965,
         0.06225586,  0.22558594, -0.04296875,  0.25585938,  0.12988281,
        -0.34765625, -0.00817871, -0.03295898, -0.10742188, -0.01550293,
        -0.3671875 ,  0.046875  ,  0.04711914, -0.02282715, -0.11865234],
       dtype=float32),
 'weighing': array([ 7.76367188e-02,  3.39843750e-01, -1.29882812e-01, -2.5
7812500e-01,
         8.88671875e-02,  1.86523438e-01,  1.51367188e-01,  1.53320312e-01,
         1.02539062e-01,  8.39843750e-02,  2.80761719e-02,  3.11279297e-02,
         5.81054688e-02, -2.65502930e-03,  2.61718750e-01, -1.49414062e-01,
        -4.95605469e-02,  1.54296875e-01, -2.89062500e-01, -1.66992188e-01,
        -3.82812500e-01, -1.33789062e-01, -1.27929688e-01, -4.15039062e-03,
         9.82666016e-03, -2.21679688e-01, -3.69140625e-01,  2.28515625e-01,
         6.74438477e-03, -1.81640625e-01,  1.15234375e-01,  3.34472656e-02,
         6.07910156e-02,  9.81445312e-02, -1.22558594e-01, -5.10253906e-02,
        -8.49609375e-02,  4.63867188e-02, -1.03515625e-01,  1.07421875e-02,
         1.61132812e-02, -8.59375000e-02, -1.62353516e-02,  7.66601562e-02,
        -7.32421875e-02,  1.44531250e-01,  2.55859375e-01,  1.75781250e-01,
        -1.01318359e-02, -1.93359375e-01, -3.80859375e-02, -6.00585938e-02,
        -2.50000000e-01, -4.49218750e-02,  1.25976562e-01,  2.68554688e-02,
         1.12792969e-01, -2.08007812e-01,  4.71191406e-02, -1.08398438e-01,
         6.12792969e-02, -1.85546875e-01, -5.58471680e-03, -1.48437500e-01,
         3.28125000e-01, -3.76953125e-01, -2.21679688e-01,  2.71484375e-01,
        -1.47460938e-01, -7.32421875e-02,  1.82617188e-01, -8.15429688e-02,
         2.42919922e-02,  2.79296875e-01,  1.42578125e-01, -2.11914062e-01,
        -6.20117188e-02,  1.16210938e-01, -1.22558594e-01,  2.03125000e-01,
         1.04003906e-01, -2.27539062e-01, -1.24023438e-01, -9.91210938e-02,
         3.53515625e-01, -2.13867188e-01, -1.76757812e-01,  7.42187500e-02,
        -1.11694336e-02,  1.69921875e-01,  1.58203125e-01,  1.65039062e-01,
```

```
        -7.03125000e-02,  4.66796875e-01,  3.35693359e-03, -6.49414062e-02,
         1.26953125e-01,  1.10839844e-01,  3.05175781e-02, -6.54296875e-02,
        -7.56835938e-02,  2.36816406e-02,  2.59765625e-01, -3.92578125e-01,
         6.78710938e-02,  5.44433594e-02,  3.06640625e-01, -1.60156250e-01,
         8.00781250e-02, -1.21582031e-01,  1.54296875e-01, -5.76171875e-02,
         2.01171875e-01,  9.22851562e-02, -3.46679688e-02, -5.39550781e-02,
        -6.17675781e-02,  1.51367188e-01,  1.50390625e-01,  6.44531250e-02,
         4.93164062e-02,  2.15820312e-01, -2.35351562e-01,  1.91406250e-01,
        -1.14746094e-01, -3.24218750e-01,  2.06054688e-01, -1.85546875e-01,
        -1.50390625e-01,  1.67968750e-01,  7.47070312e-02, -2.00195312e-02,
        -5.68847656e-02, -6.73828125e-02, -6.29882812e-02,  1.10351562e-01,
        -1.33789062e-01,  6.88476562e-02,  1.31835938e-01, -6.64062500e-02,
         1.20605469e-01, -1.22558594e-01, -1.52343750e-01, -1.14746094e-01,
         6.29882812e-02,  9.15527344e-03, -2.55859375e-01, -4.46777344e-02,
         7.37304688e-02,  1.01562500e-01, -5.88378906e-02, -4.58984375e-01,
        -3.76953125e-01, -5.05371094e-02,  9.08203125e-02,  5.56640625e-02,
        -6.25000000e-02, -2.65625000e-01, -1.09375000e-01,  2.28515625e-01,
        -1.85546875e-01,  2.05039978e-04,  3.39843750e-01,  4.80957031e-02,
         2.11914062e-01, -6.59179688e-02,  2.18505859e-02,  1.24023438e-01,
         1.46484375e-01, -7.66601562e-02, -3.84765625e-01, -9.27734375e-03,
         1.55273438e-01,  1.07910156e-01, -1.14746094e-01, -3.63281250e-01,
         3.20312500e-01,  1.43554688e-01, -6.17675781e-02,  8.59375000e-02,
         7.61718750e-02, -4.10156250e-02, -7.22656250e-02, -2.80761719e-02,
         1.10351562e-01, -3.82812500e-01, -2.50000000e-01,  1.31835938e-01,
         3.69262695e-03, -4.95605469e-02,  1.52343750e-01,  2.23388672e-02,
         7.26318359e-03, -2.25585938e-01, -2.67578125e-01,  3.14453125e-01,
        -3.63769531e-02, -3.39355469e-02,  1.42578125e-01, -1.04980469e-01,
        -1.01562500e-01,  1.64062500e-01, -1.30859375e-01, -1.88476562e-01,
         5.34057617e-03, -7.71484375e-02,  2.01171875e-01,  1.57226562e-01,
         1.75781250e-01, -2.17773438e-01, -6.98242188e-02,  1.44531250e-01,
        -2.99072266e-02, -1.00585938e-01, -2.91015625e-01,  1.25976562e-01,
         1.29882812e-01, -1.48437500e-01, -2.13867188e-01,  3.37890625e-01,
        -1.47460938e-01,  1.67968750e-01, -1.97265625e-01, -1.48437500e-01,
         1.16210938e-01, -4.43359375e-01, -3.26171875e-01, -2.92968750e-01,
        -2.19726562e-02,  2.52685547e-02,  6.62231445e-03, -3.04687500e-01,
         4.90722656e-02,  1.85546875e-01,  1.03027344e-01, -2.19726562e-01,
         8.15429688e-02, -2.96875000e-01, -1.85546875e-01, -6.49414062e-02,
        -8.10546875e-02,  3.32031250e-01, -1.78710938e-01,  9.08203125e-02,
        -2.96875000e-01, -7.66601562e-02, -2.96875000e-01,  5.95703125e-02,
         3.02734375e-01, -9.96093750e-02, -4.76074219e-02,  6.34765625e-02,
        -6.39648438e-02,  1.33789062e-01,  1.20605469e-01, -1.72119141e-02,
        -9.96093750e-02,  1.71875000e-01,  2.02148438e-01,  1.35742188e-01,
        -6.34765625e-02,  1.17675781e-01, -1.78710938e-01,  4.93164062e-02,
         4.10156250e-02,  1.37695312e-01, -1.52343750e-01, -1.61132812e-01,
        -2.46093750e-01,  1.52343750e-01, -8.83789062e-02,  1.49414062e-01,
         2.63671875e-01,  2.13623047e-02, -6.29882812e-02, -1.52343750e-01,
        -9.13085938e-02,  5.78613281e-02, -8.44726562e-02,  2.51953125e-01,
        -1.66992188e-01,  1.51367188e-01,  4.93164062e-02, -1.04003906e-01,
        -1.01074219e-01, -1.36718750e-01, -4.39453125e-02,  4.10156250e-01,
         3.61328125e-01, -9.03320312e-02, -1.08886719e-01, -2.38281250e-01,
        -4.73632812e-02,  1.47094727e-02,  1.10351562e-01, -2.38281250e-01,
        -1.80664062e-01,  1.36718750e-01, -1.49414062e-01,  5.07812500e-0
2],
       dtype=float32),
 'lb': array([-0.23535156,  0.40234375, -0.03149414,  0.21582031,  0.145507
81,
         0.13769531, -0.04199219,  0.16113281,  0.00485229,  0.23144531,
        -0.05053711,  0.05981445, -0.14355469, -0.05151367,  0.08398438,
        -0.03662109, -0.33789062,  0.33203125, -0.1796875 , -0.25195312,
        -0.35351562, -0.14160156, -0.09472656,  0.26367188, -0.06689453,
        -0.46679688, -0.34960938,  0.45898438,  0.05029297, -0.2578125 ,
         0.00497437, -0.02172852,  0.25585938,  0.0177002 , -0.15332031,
         0.27929688, -0.33203125,  0.35351562, -0.17480469, -0.10986328,
        -0.16992188, -0.26757812,  0.17675781,  0.06054688, -0.16113281,
```

```
         0.11572266,  0.01525879,  0.24023438,  0.1484375 , -0.01452637,
        -0.22753906, -0.0189209 , -0.02856445,  0.08203125,  0.29882812,
        -0.16796875,  0.3125    , -0.19921875, -0.13378906, -0.14746094,
        -0.26171875, -0.05078125, -0.0378418 ,  0.203125  , -0.06689453,
        -0.33789062, -0.2109375 , -0.06347656,  0.10839844,  0.5625    ,
         0.11035156, -0.0559082 , -0.30078125,  0.29296875, -0.2265625 ,
        -0.19921875, -0.22265625, -0.15429688,  0.06787109, -0.16601562,
         0.15332031,  0.18554688, -0.1640625 , -0.09960938,  0.24121094,
        -0.05053711,  0.01965332,  0.10009766, -0.00180817,  0.05786133,
        -0.02368164,  0.16894531, -0.11425781,  0.05249023, -0.09619141,
         0.03466797, -0.23828125, -0.11523438,  0.30078125, -0.04345703,
        -0.06982422,  0.02893066, -0.08105469, -0.28515625,  0.0234375 ,
        -0.02575684, -0.10595703,  0.00346375, -0.13378906, -0.19824219,
        -0.02746582,  0.09570312,  0.06176758,  0.2890625 , -0.3125    ,
         0.26367188,  0.01721191,  0.16699219, -0.00622559, -0.05688477,
         0.265625  ,  0.03112793,  0.20214844, -0.10742188,  0.03710938,
         0.0703125 ,  0.05151367, -0.14746094, -0.06445312,  0.2578125 ,
         0.10107422, -0.01806641, -0.04638672, -0.01019287, -0.12011719,
         0.04711914, -0.18066406, -0.03295898,  0.12792969,  0.22851562,
         0.11376953, -0.04516602, -0.23535156, -0.29101562, -0.17480469,
         0.10791016,  0.07958984,  0.15722656, -0.16308594, -0.0703125 ,
         0.3515625 , -0.61328125, -0.41992188, -0.125     , -0.12011719,
         0.08007812, -0.04174805,  0.15332031, -0.04077148, -0.03112793,
        -0.15527344,  0.1015625 ,  0.47070312, -0.08154297,  0.00958252,
        -0.09716797,  0.16894531,  0.24511719, -0.15527344, -0.03857422,
        -0.37890625, -0.15039062,  0.13085938,  0.0189209 , -0.47851562,
        -0.13085938,  0.09375   , -0.02331543, -0.16210938,  0.37695312,
         0.08349609, -0.24707031,  0.03222656,  0.14746094,  0.0291748 ,
        -0.17871094,  0.18847656,  0.25390625,  0.16015625,  0.3203125 ,
         0.078125  , -0.18847656,  0.07714844, -0.13964844, -0.04736328,
        -0.0017395 ,  0.05102539, -0.14160156, -0.00317383, -0.3046875 ,
         0.06982422,  0.1015625 , -0.20605469,  0.10546875,  0.08544922,
        -0.0291748 ,  0.13183594, -0.11035156,  0.265625  ,  0.3203125 ,
         0.06298828,  0.05322266,  0.08251953,  0.10205078, -0.359375  ,
        -0.02893066,  0.07470703, -0.23046875, -0.06445312, -0.18554688,
        -0.26367188,  0.58203125, -0.16210938,  0.0402832 ,  0.20507812,
        -0.05126953, -0.05761719, -0.07470703,  0.09814453, -0.0625    ,
        -0.02526855, -0.22167969, -0.01989746, -0.28515625, -0.1640625 ,
        -0.02258301, -0.08642578,  0.01757812, -0.12890625, -0.0625    ,
         0.10986328,  0.23828125,  0.33007812, -0.08349609, -0.0534668 ,
        -0.00640869, -0.29492188, -0.33398438,  0.06982422, -0.20214844,
         0.21289062, -0.14453125, -0.27734375,  0.18261719,  0.09130859,
        -0.23242188, -0.12451172,  0.16894531,  0.06201172, -0.11035156,
         0.07080078,  0.0201416 , -0.2890625 ,  0.03295898,  0.07568359,
        -0.23828125, -0.02441406, -0.16796875, -0.21582031,  0.05615234,
        -0.00787354, -0.13085938,  0.12695312, -0.20898438, -0.10644531,
         0.265625  , -0.21484375, -0.01397705, -0.1484375 ,  0.0177002 ,
        -0.23046875,  0.24414062, -0.12695312, -0.17675781, -0.078125  ,
        -0.22167969, -0.2890625 , -0.02587891,  0.18847656, -0.06689453,
         0.03112793, -0.34570312, -0.15527344,  0.21875   , -0.22949219,
        -0.1484375 , -0.40429688, -0.06494141, -0.0168457 , -0.14746094],
       dtype=float32),
 'standing': array([ 2.49023438e-02,  2.38281250e-01,  1.41601562e-01,  1.2
7929688e-01,
        -6.73828125e-02, -1.01562500e-01, -5.76782227e-03,  4.57763672e-03,
         7.51953125e-02,  2.57812500e-01,  4.27246094e-02, -1.11328125e-01,
         5.58471680e-03,  1.53320312e-01, -1.56250000e-01, -2.15820312e-01,
         2.67578125e-01,  8.66699219e-03,  1.18164062e-01, -5.41992188e-02,
        -1.20117188e-01,  6.03027344e-02, -3.35937500e-01,  2.03857422e-02,
         1.04003906e-01, -2.01171875e-01, -2.05078125e-01,  9.52148438e-02,
        -1.84326172e-02, -2.28515625e-01,  6.46972656e-03, -1.11328125e-01,
         9.39941406e-03, -8.15429688e-02,  1.38671875e-01, -6.29882812e-02,
         2.57812500e-01,  1.80664062e-01,  4.80957031e-02, -4.17480469e-02,
        -1.45507812e-01, -3.73535156e-02,  1.74560547e-02, -2.59765625e-01,
```

```
-7.47070312e-02,  1.63574219e-02, -2.06054688e-01, -2.40234375e-01,
-1.25976562e-01, -6.34765625e-02, -9.96093750e-02, -5.93261719e-02,
 1.04003906e-01,  2.86865234e-03,  3.28125000e-01,  1.42578125e-01,
-5.78613281e-02,  9.15527344e-04, -6.83593750e-02, -5.98144531e-02,
-1.99218750e-01,  2.00195312e-01,  2.31933594e-03, -1.35742188e-01,
-6.98242188e-02, -7.11059570e-03, -5.05371094e-02, -7.27539062e-02,
-1.24511719e-01, -1.28906250e-01,  5.39550781e-02,  1.50390625e-01,
 9.37500000e-02,  1.92871094e-02, -2.53906250e-01, -1.03515625e-01,
 7.37304688e-02, -6.54296875e-02,  1.78710938e-01,  1.92382812e-01,
 5.88378906e-02, -9.86328125e-02,  5.15136719e-02,  2.70996094e-02,
-6.98242188e-02, -1.40991211e-02,  1.52343750e-01, -5.17578125e-02,
 1.73187256e-03, -9.46044922e-03,  4.42504883e-03,  1.62109375e-01,
-5.17578125e-02,  1.14746094e-01, -5.73730469e-02, -1.54296875e-01,
 1.06811523e-02,  4.46777344e-02, -3.95507812e-02, -5.81054688e-02,
-1.34765625e-01, -6.52313232e-04,  2.34375000e-01, -3.27148438e-02,
 1.15234375e-01,  4.71191406e-02,  2.00195312e-01, -3.10058594e-02,
-2.39257812e-02,  4.22363281e-02, -1.47460938e-01,  7.56835938e-02,
-4.73632812e-02, -1.00708008e-02, -1.54296875e-01, -5.95703125e-02,
-7.91015625e-02, -5.41992188e-02,  3.66210938e-02, -8.91113281e-03,
-8.64257812e-02, -1.56250000e-01,  4.61425781e-02,  6.22558594e-02,
-4.39453125e-02,  8.69140625e-02,  6.20117188e-02,  1.60156250e-01,
-6.44531250e-02,  7.61718750e-02,  9.33837891e-03,  3.01513672e-02,
-8.30078125e-02, -1.18652344e-01,  9.86328125e-02, -1.32812500e-01,
 4.78515625e-02,  2.04086304e-04,  1.44531250e-01,  1.73339844e-02,
 7.78198242e-03,  1.15722656e-01,  3.83300781e-02,  1.43554688e-01,
-9.13085938e-02, -6.39648438e-02, -1.53320312e-01, -4.31640625e-01,
 2.79296875e-01,  2.35351562e-01, -3.54003906e-02,  1.69921875e-01,
 4.39453125e-02, -1.04980469e-01,  1.57226562e-01,  1.96289062e-01,
-1.11816406e-01, -2.35351562e-01, -5.37109375e-02, -7.17773438e-02,
-2.96875000e-01, -3.85742188e-02,  6.39648438e-02, -8.00781250e-02,
 1.02539062e-01, -8.15429688e-02,  1.69921875e-01, -1.05957031e-01,
-1.54296875e-01, -1.31835938e-01, -1.82617188e-01,  6.73828125e-02,
 1.66015625e-01, -2.73437500e-01, -8.98437500e-02, -1.52343750e-01,
 5.85937500e-02, -8.44726562e-02,  2.31933594e-03,  5.44433594e-02,
 8.48388672e-03, -7.23266602e-03,  6.07299805e-03, -2.08007812e-01,
-5.34667969e-02, -1.01074219e-01,  1.38671875e-01,  7.47070312e-02,
-3.85742188e-02, -2.29492188e-02,  1.20117188e-01, -5.67626953e-03,
 2.02148438e-01,  1.28784180e-02, -9.96093750e-02,  2.53906250e-01,
-1.01074219e-01,  3.96728516e-03, -7.78198242e-03,  2.34985352e-03,
-1.44531250e-01,  2.61718750e-01, -5.93261719e-02, -2.40234375e-01,
 1.31835938e-02, -4.05273438e-02,  4.95605469e-02,  9.52148438e-02,
 3.51562500e-02, -8.74023438e-02, -1.68945312e-01, -9.91210938e-02,
 1.25122070e-02, -1.38671875e-01, -1.16210938e-01,  5.66406250e-02,
-6.03027344e-02, -1.05468750e-01, -7.32421875e-02,  1.53320312e-01,
-1.29882812e-01, -1.26953125e-02,  1.01562500e-01, -5.10253906e-02,
 2.01171875e-01, -5.95703125e-02,  6.78710938e-02,  1.22070312e-01,
 1.84570312e-01, -4.10156250e-02, -2.40234375e-01, -8.25195312e-02,
 2.14843750e-02,  8.49609375e-02, -5.49316406e-02,  3.12500000e-02,
-1.97753906e-02, -1.99218750e-01,  1.70898438e-01,  3.75976562e-02,
 1.21582031e-01,  9.70458984e-03, -2.23632812e-01, -1.04003906e-01,
-4.83398438e-02,  1.17797852e-02,  5.17578125e-02, -9.86328125e-02,
 6.68945312e-02, -1.02050781e-01, -1.36718750e-01, -1.15234375e-01,
-4.12597656e-02,  9.57031250e-02,  7.22656250e-02, -1.49414062e-01,
-1.33056641e-02,  9.37500000e-02, -1.36718750e-01,  2.30468750e-01,
-1.05468750e-01, -6.00585938e-02,  8.78906250e-02,  1.22070312e-01,
 1.69921875e-01,  2.40234375e-01,  2.38281250e-01,  1.86523438e-01,
 1.55273438e-01, -7.37304688e-02,  1.18164062e-01,  2.91015625e-01,
-1.75781250e-02, -6.59179688e-02, -9.61914062e-02, -1.69677734e-02,
-1.47460938e-01, -1.26953125e-01, -2.50244141e-02,  9.91210938e-02,
 9.61914062e-02, -4.42504883e-03,  1.88476562e-01,  1.20117188e-01,
-4.07714844e-02, -1.49414062e-01, -2.05078125e-01,  2.60009766e-02,
-7.42187500e-02, -1.88476562e-01, -2.87109375e-01,  1.65039062e-01,
-1.78710938e-01,  1.64031982e-03,  5.93261719e-02,  8.98437500e-02,
 7.71484375e-02,  1.60156250e-01, -3.11279297e-02,  8.05664062e-0
```

```
3],
       dtype=float32),
 'walking': array([ 0.22558594,  0.15039062, -0.10595703,  0.24121094, -0.0
3833008,
         0.08300781, -0.26953125, -0.16210938, -0.09863281,  0.125     ,
         0.28125   , -0.08203125, -0.078125  ,  0.20703125,  0.05761719,
        -0.17480469, -0.01019287, -0.04052734,  0.13378906, -0.17480469,
        -0.05493164,  0.1953125 , -0.41992188,  0.08154297,  0.03320312,
        -0.25390625, -0.20214844,  0.04394531,  0.05395508, -0.1875    ,
         0.05151367, -0.15820312,  0.08398438, -0.07470703, -0.26953125,
        -0.43945312,  0.10107422, -0.24804688, -0.01098633,  0.2734375 ,
        -0.09960938, -0.07128906,  0.08300781, -0.0859375 , -0.08105469,
         0.14257812, -0.03466797, -0.2734375 , -0.20410156,  0.06982422,
        -0.08740234,  0.25585938,  0.06787109,  0.06982422,  0.35546875,
        -0.03320312,  0.11962891, -0.18261719,  0.16015625,  0.09863281,
         0.04980469,  0.33789062,  0.10986328, -0.10107422,  0.17773438,
         0.12451172, -0.18945312,  0.1796875 ,  0.00195312,  0.05200195,
        -0.08105469,  0.25      , -0.04785156, -0.08251953, -0.28515625,
        -0.0112915 , -0.17578125, -0.10546875,  0.17382812,  0.08496094,
        -0.13769531, -0.07080078,  0.17480469,  0.125     ,  0.04736328,
         0.00515747, -0.09033203, -0.03808594,  0.03613281, -0.07568359,
        -0.1484375 ,  0.15136719, -0.01916504, -0.03173828, -0.12890625,
        -0.24316406,  0.23828125,  0.18847656, -0.10693359, -0.13964844,
        -0.24609375, -0.20996094,  0.1015625 ,  0.10400391,  0.38867188,
         0.11083984,  0.3125    , -0.3359375 , -0.09277344, -0.13964844,
        -0.0043335 ,  0.09765625,  0.13183594, -0.24316406,  0.04370117,
        -0.15332031, -0.25585938, -0.28515625, -0.02685547,  0.24121094,
        -0.32421875,  0.29101562, -0.04882812,  0.01965332, -0.10009766,
         0.10644531, -0.10107422,  0.24511719,  0.04101562,  0.09277344,
        -0.25585938, -0.08837891, -0.22558594,  0.05517578, -0.09179688,
         0.02368164,  0.01611328, -0.06738281,  0.01434326,  0.43359375,
         0.00466919,  0.14355469, -0.13183594,  0.07714844,  0.04760742,
         0.1796875 , -0.05224609, -0.35742188,  0.19726562, -0.30078125,
        -0.21875   , -0.06152344,  0.0267334 ,  0.10595703,  0.09765625,
         0.296875  , -0.08691406, -0.26757812, -0.10351562,  0.1953125 ,
         0.07177734,  0.04589844,  0.24707031, -0.14453125, -0.18359375,
        -0.09716797,  0.11132812,  0.05004883, -0.16699219, -0.19140625,
        -0.20117188,  0.03442383,  0.09716797,  0.09082031, -0.19824219,
        -0.00634766,  0.03417969, -0.02478027, -0.03491211,  0.11083984,
         0.03222656, -0.05371094, -0.05322266, -0.05200195,  0.1171875 ,
        -0.03369141,  0.12695312,  0.1953125 ,  0.12011719, -0.20605469,
        -0.03637695, -0.06787109,  0.08935547,  0.16015625, -0.05371094,
         0.19433594, -0.23535156,  0.00411987,  0.08740234,  0.15429688,
        -0.30859375, -0.10595703, -0.10742188, -0.23242188,  0.03686523,
         0.11230469, -0.12451172,  0.15527344,  0.16113281, -0.08935547,
        -0.01879883, -0.18652344,  0.01843262,  0.00512695, -0.00072098,
         0.06640625,  0.10205078,  0.01318359, -0.06542969, -0.19726562,
         0.12890625, -0.00915527,  0.22167969, -0.14453125,  0.06005859,
        -0.01599121,  0.20117188,  0.08789062,  0.12792969, -0.20703125,
         0.03015137, -0.02441406, -0.04052734,  0.3046875 ,  0.18164062,
         0.07128906, -0.17773438,  0.0625    ,  0.28320312, -0.01647949,
         0.08984375,  0.00646973, -0.18359375, -0.38085938,  0.18359375,
        -0.06933594,  0.12792969,  0.0045166 , -0.05639648, -0.2578125 ,
         0.07861328,  0.06787109,  0.08300781,  0.06835938,  0.26953125,
        -0.12597656, -0.01226807, -0.05078125, -0.20019531,  0.09814453,
        -0.12011719, -0.26367188,  0.13378906,  0.00421143,  0.171875  ,
         0.11376953,  0.3515625 ,  0.01330566, -0.14746094,  0.18554688,
        -0.03930664,  0.07080078,  0.19238281,  0.19042969,  0.06787109,
        -0.26953125, -0.18457031,  0.08642578,  0.03417969, -0.04858398,
         0.0402832 , -0.02429199,  0.15429688,  0.00328064, -0.04858398,
        -0.1796875 , -0.26953125,  0.09570312,  0.10205078,  0.08642578,
        -0.35351562,  0.16210938, -0.05810547,  0.02783203,  0.18652344,
         0.1328125 ,  0.22558594, -0.20507812, -0.03686523,  0.0456543 ],
       dtype=float32),
```

```
 'bending': array([ 0.01196289,  0.08935547, -0.0098877 ,  0.04467773, -0.3
671875 ,
        -0.05786133,  0.23535156,  0.00946045, -0.16503906,  0.25195312,
        -0.04199219, -0.12451172, -0.12792969,  0.22265625, -0.32421875,
        -0.09814453, -0.00958252,  0.05517578,  0.02758789, -0.140625  ,
         0.0703125 ,  0.18164062, -0.26171875,  0.15429688,  0.37109375,
        -0.15722656, -0.24804688, -0.07714844, -0.04101562, -0.15527344,
        -0.04833984, -0.01721191,  0.18847656, -0.03442383,  0.21191406,
        -0.20507812,  0.2578125 , -0.04663086,  0.2421875 , -0.0189209 ,
         0.02990723, -0.0859375 ,  0.15527344, -0.23339844,  0.08398438,
         0.02539062, -0.15917969, -0.02331543,  0.19628906, -0.12402344,
        -0.17480469,  0.00778198, -0.203125  , -0.12060547,  0.39257812,
         0.2734375 ,  0.04150391, -0.19921875,  0.13378906,  0.08935547,
        -0.04199219,  0.10595703, -0.00787354, -0.41992188,  0.05761719,
        -0.08154297, -0.12597656,  0.14550781,  0.06689453,  0.09960938,
        -0.01831055, -0.02563477, -0.00588989, -0.3203125 , -0.24121094,
         0.02502441,  0.12011719,  0.02514648,  0.11523438,  0.04272461,
        -0.01269531,  0.10693359, -0.18554688, -0.24511719,  0.1015625 ,
        -0.02050781, -0.03588867, -0.06542969,  0.13183594,  0.10400391,
         0.09423828,  0.20703125,  0.00915527,  0.14550781, -0.0222168 ,
        -0.00683594,  0.25      , -0.36523438,  0.05249023, -0.03833008,
        -0.23730469, -0.24804688,  0.09033203, -0.171875  ,  0.12402344,
         0.02282715,  0.45898438, -0.04492188, -0.08740234, -0.22949219,
        -0.11962891, -0.03515625,  0.00482178,  0.09863281, -0.1171875 ,
        -0.07470703,  0.0559082 ,  0.04272461, -0.14550781, -0.03613281,
        -0.13183594,  0.20800781,  0.14453125, -0.02600098, -0.08544922,
         0.02380371, -0.14160156,  0.02380371, -0.18359375, -0.11865234,
        -0.06689453, -0.09423828, -0.17675781, -0.19140625,  0.14257812,
         0.03662109,  0.09716797,  0.09326172,  0.11035156,  0.07910156,
         0.27148438, -0.19726562, -0.42773438,  0.27148438, -0.125     ,
         0.2578125 , -0.23144531, -0.03759766,  0.35742188, -0.00167084,
        -0.02282715, -0.49414062,  0.05639648,  0.06835938,  0.13769531,
         0.14550781, -0.22460938, -0.17871094,  0.15527344, -0.05957031,
        -0.13085938,  0.08886719, -0.15136719, -0.2578125 , -0.20800781,
        -0.10302734,  0.08984375, -0.13476562, -0.0859375 , -0.03417969,
        -0.00982666,  0.1171875 , -0.22753906,  0.265625  , -0.0534668 ,
        -0.3125    , -0.00823975, -0.09082031, -0.27148438,  0.04443359,
        -0.15625   , -0.00076675,  0.13574219,  0.08935547,  0.20703125,
         0.11865234,  0.02319336,  0.02734375,  0.00982666, -0.11181641,
         0.31835938,  0.3125    ,  0.22460938, -0.15917969,  0.07128906,
         0.25195312,  0.0625    , -0.15039062,  0.05395508, -0.11474609,
        -0.29882812,  0.16992188, -0.08154297,  0.17871094,  0.03149414,
        -0.13183594, -0.03295898,  0.00500488, -0.07080078,  0.37304688,
         0.01556396,  0.00183105,  0.03344727,  0.11181641, -0.09082031,
        -0.18847656, -0.12890625,  0.14941406, -0.26367188,  0.04541016,
         0.109375  , -0.11914062, -0.20996094, -0.13964844, -0.08300781,
        -0.0062561 , -0.01489258,  0.07470703,  0.28515625, -0.08544922,
        -0.01159668, -0.08837891, -0.20214844,  0.19238281, -0.11230469,
        -0.00473022, -0.09130859, -0.14648438, -0.12353516,  0.03662109,
         0.1796875 ,  0.06298828,  0.16601562, -0.33984375,  0.25585938,
         0.02282715, -0.3125    ,  0.12792969,  0.12890625, -0.15625   ,
         0.19628906, -0.25585938,  0.10498047,  0.05444336,  0.31445312,
        -0.17480469, -0.13574219, -0.06689453, -0.18652344,  0.10742188,
        -0.0480957 ,  0.10791016,  0.07373047, -0.19140625, -0.03686523,
         0.00756836,  0.18164062,  0.02868652, -0.00695801, -0.10400391,
        -0.07958984,  0.33203125,  0.24609375, -0.11669922, -0.13574219,
        -0.34570312, -0.47265625,  0.08740234, -0.07470703,  0.32617188,
        -0.05371094, -0.02722168, -0.1484375 ,  0.09375   ,  0.05737305,
         0.00280762, -0.14550781, -0.06445312, -0.00592041, -0.00172424,
        -0.12402344,  0.20019531, -0.16210938,  0.02575684,  0.02075195,
         0.00221252,  0.18847656,  0.05566406, -0.11083984,  0.08984375],
       dtype=float32),
 'sitting': array([ 2.14843750e-01,  1.05957031e-01,  8.00781250e-02,  2.69
531250e-01,
```

```
-4.17480469e-02, -1.44531250e-01, -4.68750000e-02, -1.04980469e-01,
 2.67578125e-01,  2.30468750e-01,  1.28906250e-01, -3.80859375e-02,
-5.41992188e-02,  1.62353516e-02, -1.84570312e-01, -4.02832031e-02,
-9.58251953e-03,  8.69140625e-02, -7.37304688e-02,  8.00781250e-02,
-2.64892578e-02,  2.05078125e-01, -5.00000000e-01, -2.05078125e-01,
 1.90429688e-01, -7.37304688e-02, -1.90429688e-02,  5.56640625e-02,
-1.86523438e-01, -1.86523438e-01, -3.24707031e-02,  4.58984375e-02,
-7.22656250e-02,  8.25195312e-02,  7.95898438e-02, -2.92968750e-01,
 1.43554688e-01, -1.78222656e-02,  5.24902344e-02,  1.04003906e-01,
-2.38281250e-01, -1.42578125e-01,  1.97265625e-01, -1.96289062e-01,
 4.38690186e-04,  1.52343750e-01, -2.01171875e-01, -6.98242188e-02,
-1.25976562e-01, -6.78710938e-02, -1.92382812e-01, -5.40161133e-03,
 1.69921875e-01, -5.93261719e-02,  1.82617188e-01,  6.22558594e-02,
 3.22265625e-02, -7.17773438e-02,  2.75390625e-01, -1.35498047e-02,
-3.04687500e-01,  6.49414062e-02, -5.51757812e-02, -6.54296875e-02,
 4.90722656e-02, -2.47192383e-03, -2.49023438e-01,  3.26538086e-03,
-1.57226562e-01, -2.17773438e-01,  2.40234375e-01,  6.34765625e-02,
 9.42382812e-02,  1.17675781e-01, -3.63281250e-01, -1.14257812e-01,
-8.54492188e-03, -7.27539062e-02,  2.46582031e-02,  2.10937500e-01,
 1.96533203e-02, -2.57812500e-01,  1.55273438e-01, -4.08935547e-03,
 2.16796875e-01, -4.80957031e-02,  1.84570312e-01,  8.98437500e-02,
 3.36914062e-02, -1.10839844e-01, -5.98144531e-02,  1.58691406e-02,
-7.56835938e-02,  5.41992188e-02, -1.73828125e-01, -3.02734375e-02,
 2.67578125e-01,  2.17773438e-01, -1.25000000e-01, -2.00195312e-01,
-2.48046875e-01, -2.16796875e-01,  2.57812500e-01, -2.18750000e-01,
 4.19921875e-02, -8.25195312e-02,  1.56250000e-01,  9.70458984e-03,
-2.13623047e-02, -8.83789062e-02,  2.83203125e-01, -1.35742188e-01,
 3.44238281e-02, -9.61914062e-02, -1.15234375e-01, -2.61718750e-01,
 1.80664062e-01, -2.37304688e-01, -1.30615234e-02, -9.03320312e-02,
-8.00781250e-02, -1.08886719e-01,  4.85839844e-02,  7.08007812e-02,
-1.73828125e-01,  1.13769531e-01,  1.68609619e-03, -8.25195312e-02,
-8.54492188e-02,  3.14941406e-02,  1.00097656e-01,  4.02832031e-02,
-1.29882812e-01,  4.54101562e-02, -7.91015625e-02,  1.05590820e-02,
-1.22070312e-02,  2.51953125e-01, -8.15429688e-02,  1.18652344e-01,
 1.80664062e-01,  1.23046875e-01,  6.54296875e-02, -4.98046875e-02,
-2.22778320e-03,  1.95312500e-01, -2.96875000e-01, -4.21875000e-01,
 1.47460938e-01, -4.49218750e-02,  2.13623047e-02,  3.92578125e-01,
-1.45507812e-01,  2.88085938e-02,  2.50000000e-01,  1.02539062e-02,
-1.44531250e-01, -2.32421875e-01, -1.00097656e-01, -3.03955078e-02,
-1.45507812e-01, -7.76367188e-02,  9.52148438e-02,  3.36914062e-02,
 1.12792969e-01,  3.32031250e-02,  1.47460938e-01,  9.61914062e-02,
 1.17797852e-02, -1.09375000e-01, -4.12109375e-01,  7.91015625e-02,
-1.37695312e-01, -1.88476562e-01, -9.37500000e-02,  2.47802734e-02,
 3.80859375e-02, -1.38671875e-01, -6.03027344e-02,  1.74804688e-01,
 1.52343750e-01,  7.81250000e-02,  7.62939453e-03, -1.21582031e-01,
 9.91210938e-02,  6.20117188e-02,  5.63964844e-02,  5.59082031e-02,
 6.29882812e-02, -2.08007812e-01,  1.44531250e-01, -3.39355469e-02,
 6.44531250e-02,  1.25976562e-01, -2.63671875e-02,  3.86718750e-01,
 1.01928711e-02, -8.00781250e-02,  1.18652344e-01,  3.95507812e-02,
-3.00781250e-01,  1.21582031e-01, -2.45117188e-01, -5.51757812e-02,
 1.34765625e-01,  3.61328125e-02,  1.17187500e-01,  1.35742188e-01,
-1.71875000e-01, -1.51367188e-01, -2.62451172e-02,  1.13281250e-01,
-1.87988281e-02, -1.83593750e-01, -4.56542969e-02,  1.88476562e-01,
-1.38671875e-01, -2.09960938e-02, -2.40234375e-01, -8.00781250e-02,
-2.08984375e-01,  2.36816406e-02,  5.20019531e-02,  1.04980469e-01,
 5.61523438e-02,  8.97216797e-03,  6.95800781e-03,  9.71679688e-02,
 6.44531250e-02, -7.47070312e-02,  2.90527344e-02, -1.66992188e-01,
 3.08837891e-02,  3.29589844e-02, -2.96630859e-02,  1.00097656e-02,
 1.19140625e-01, -5.90820312e-02,  2.14843750e-01,  1.04492188e-01,
 1.18408203e-02,  2.55859375e-01, -4.17480469e-02, -2.55859375e-01,
-1.14746094e-01, -7.32421875e-02,  8.64257812e-02, -9.47265625e-02,
 8.05664062e-02, -7.17773438e-02,  1.32812500e-01, -7.27539062e-02,
 2.33154297e-02,  2.10937500e-01,  9.52148438e-02, -7.91015625e-02,
-1.38671875e-01,  9.27734375e-02, -1.03515625e-01,  7.56835938e-02,
```

```
        -2.02148438e-01, -6.17675781e-02,  1.76757812e-01,  2.07031250e-01,
         3.63769531e-02,  1.83593750e-01,  1.50390625e-01,  2.94921875e-01,
        -1.45507812e-01,  8.34960938e-02,  8.78906250e-02,  3.86718750e-01,
         1.20605469e-01, -2.97851562e-02, -1.66992188e-01,  1.62109375e-01,
        -1.21582031e-01,  2.67028809e-03, -8.20312500e-02, -4.46777344e-02,
         1.57226562e-01, -2.17773438e-01,  3.33786011e-04,  9.91210938e-02,
         4.19921875e-02, -9.13085938e-02, -9.37500000e-02, -1.04003906e-01,
        -1.18164062e-01, -6.34765625e-02, -3.06640625e-01,  1.81640625e-01,
         5.66406250e-02,  7.47070312e-02,  4.85229492e-03, -5.92041016e-03,
         5.85937500e-02,  3.88183594e-02,  2.25830078e-02, -7.95898438e-0
2],
       dtype=float32),
 'kneeling': array([ 3.14453125e-01,  1.81640625e-01,  2.51953125e-01,  2.6
3671875e-01,
        -8.59375000e-02, -6.73828125e-02, -5.78613281e-02, -3.39355469e-02,
         7.03125000e-02,  3.04687500e-01,  3.29589844e-02, -3.14453125e-01,
        -3.02734375e-02,  5.27343750e-01, -4.39453125e-01, -5.37109375e-02,
        -2.06054688e-01, -2.75390625e-01,  8.66699219e-03, -2.55859375e-01,
         2.41210938e-01,  4.33349609e-03, -4.78515625e-01, -2.39257812e-01,
         1.42578125e-01, -3.71093750e-01, -2.65625000e-01,  5.49316406e-02,
         1.83105469e-02, -3.69140625e-01, -4.76074219e-02,  1.29882812e-01,
         9.13085938e-02,  3.66210938e-02,  2.42187500e-01, -7.46093750e-01,
         3.45703125e-01,  3.69140625e-01,  1.40625000e-01,  1.38092041e-03,
        -1.19018555e-02, -2.02636719e-02,  3.71093750e-01, -3.49609375e-01,
         6.98242188e-02, -3.32031250e-02, -3.51562500e-01,  8.98437500e-02,
         3.78906250e-01, -1.83593750e-01, -8.25195312e-02, -3.75976562e-02,
         9.39941406e-03, -2.12890625e-01,  4.04296875e-01,  2.08984375e-01,
         7.03125000e-02,  2.57812500e-01,  1.36718750e-01,  2.53906250e-01,
        -2.20703125e-01,  3.24218750e-01, -1.26953125e-01, -5.88989258e-03,
         2.91748047e-02,  6.22558594e-02,  2.30712891e-02, -2.65625000e-01,
         3.10546875e-01,  2.33398438e-01, -1.39648438e-01,  1.32812500e-01,
        -5.07812500e-01,  1.78710938e-01, -2.23632812e-01, -1.62109375e-01,
         1.16210938e-01, -1.53320312e-01,  3.57421875e-01,  1.27929688e-01,
         1.42822266e-02, -3.27148438e-02,  4.98046875e-01,  5.95703125e-02,
         2.33398438e-01,  3.58886719e-02,  2.05078125e-01,  9.47265625e-02,
         2.61718750e-01, -1.37695312e-01, -1.53808594e-02,  7.81250000e-02,
        -1.85546875e-01,  2.53295898e-03, -1.21582031e-01, -1.82617188e-01,
         1.17675781e-01, -7.47070312e-02,  1.04980469e-01, -2.10937500e-01,
        -3.63281250e-01, -3.10546875e-01,  2.89062500e-01, -1.14257812e-01,
        -6.00585938e-02, -7.27539062e-02,  4.21875000e-01, -8.30078125e-03,
        -5.51757812e-02,  2.34375000e-01,  3.04687500e-01,  9.71679688e-02,
         1.78710938e-01,  7.89642334e-04, -1.27929688e-01, -2.53906250e-01,
        -1.75781250e-02, -3.32031250e-01,  6.78710938e-02,  8.74023438e-02,
        -1.64062500e-01, -1.65039062e-01,  1.19140625e-01, -1.71875000e-01,
        -1.28784180e-02, -1.49414062e-01,  2.73437500e-02, -1.68945312e-01,
         1.36718750e-01,  2.69531250e-01, -1.25976562e-01,  7.27539062e-02,
        -3.82812500e-01, -6.39648438e-02,  1.60156250e-01,  1.84326172e-02,
         1.14257812e-01,  1.81884766e-02, -8.10546875e-02,  3.84765625e-01,
         2.53906250e-02,  2.71484375e-01, -1.03027344e-01, -1.75781250e-01,
        -1.39648438e-01,  4.70703125e-01, -9.22851562e-02, -4.96093750e-01,
         1.00097656e-01, -2.77343750e-01,  1.55273438e-01,  7.66601562e-02,
         3.86718750e-01,  6.68334961e-03,  1.06445312e-01,  2.50000000e-01,
        -1.02539062e-01, -1.46484375e-01,  4.92187500e-01, -2.88085938e-02,
        -1.08886719e-01, -2.57812500e-01,  7.76367188e-02, -3.76953125e-01,
        -1.67968750e-01, -2.35595703e-02,  2.96875000e-01, -4.57763672e-03,
        -2.30468750e-01, -1.04492188e-01,  4.80957031e-02,  8.39843750e-02,
        -1.64794922e-02,  2.17285156e-02, -3.80859375e-02, -6.05468750e-02,
         5.66406250e-02, -1.63085938e-01, -7.66601562e-02, -1.51367188e-01,
        -3.33984375e-01, -1.13281250e-01, -5.05371094e-02,  2.18505859e-02,
        -6.54296875e-02,  1.84570312e-01,  1.70898438e-01, -2.85644531e-02,
        -2.86865234e-02,  1.20605469e-01,  3.02734375e-01, -3.57421875e-01,
         1.90429688e-01, -1.67968750e-01,  1.39648438e-01,  1.05957031e-01,
         1.73828125e-01, -2.39257812e-01, -6.29882812e-02, -1.60156250e-01,
        -2.71484375e-01, -2.64892578e-02, -4.25781250e-01, -1.23535156e-01,
```

```
         2.25585938e-01, -5.31005859e-03,  1.37695312e-01,  3.65234375e-01,
        -9.13085938e-02,  1.47460938e-01, -3.06640625e-01, -2.38281250e-01,
        -1.58203125e-01, -1.65039062e-01, -6.25000000e-02, -1.92382812e-01,
        -3.30078125e-01, -1.18652344e-01, -3.32031250e-02, -1.32812500e-01,
        -1.50390625e-01,  4.85839844e-02, -5.88989258e-03, -2.47070312e-01,
         5.32226562e-02,  7.08007812e-02,  5.39550781e-02,  2.50000000e-01,
         1.29882812e-01, -1.12304688e-01,  1.67968750e-01, -6.22558594e-02,
        -2.02941895e-03,  2.98828125e-01, -1.66015625e-02,  9.08203125e-02,
         5.32226562e-02, -9.22851562e-02,  3.49121094e-02,  1.61132812e-01,
        -3.75976562e-02,  2.51953125e-01, -1.15234375e-01, -3.78906250e-01,
        -7.17773438e-02, -1.11816406e-01, -1.23535156e-01, -6.44531250e-02,
        -1.97265625e-01, -2.71484375e-01,  1.43554688e-01, -2.53906250e-01,
         1.42211914e-02,  1.68945312e-01, -1.97265625e-01, -3.55468750e-01,
        -2.35351562e-01, -2.61718750e-01,  6.34765625e-02,  2.53906250e-01,
        -3.08593750e-01, -4.61425781e-02,  6.17675781e-02, -3.18359375e-01,
        -7.86132812e-02,  4.68750000e-01,  2.50000000e-01,  1.82617188e-01,
        -5.85937500e-02,  9.39941406e-03,  9.96093750e-02,  2.98828125e-01,
         1.22558594e-01,  4.97436523e-03, -2.23388672e-02,  9.81445312e-02,
        -3.18359375e-01,  1.87500000e-01, -2.11914062e-01,  1.48437500e-01,
         1.26953125e-01,  3.56445312e-02,  2.85156250e-01, -2.52685547e-02,
        -6.03027344e-02, -1.03027344e-01, -2.06054688e-01,  7.12890625e-02,
        -1.42822266e-02,  1.29882812e-01, -1.83593750e-01,  1.19140625e-01,
         1.10473633e-02,  9.66796875e-02,  1.82617188e-01,  3.82812500e-01,
        -7.98702240e-06,  1.30859375e-01, -3.43750000e-01,  2.91015625e-0
1],
       dtype=float32),
 'crouching': array([ 0.1953125 ,  0.18261719,  0.18457031,  0.15136719, -
0.04272461,
        -0.14550781,  0.10351562,  0.09326172,  0.16210938,  0.26367188,
         0.22363281, -0.07421875,  0.23144531,  0.21679688, -0.65625   ,
        -0.41015625, -0.07666016,  0.19921875,  0.08740234, -0.3359375 ,
        -0.11083984, -0.02661133, -0.41015625, -0.11132812, -0.1484375 ,
        -0.4140625 , -0.12060547,  0.26367188,  0.11425781, -0.33984375,
        -0.07763672, -0.15136719,  0.22949219, -0.17578125,  0.07373047,
        -0.58984375,  0.27734375,  0.13769531, -0.05126953, -0.08007812,
         0.109375  , -0.06225586,  0.18261719, -0.55078125,  0.08886719,
         0.19824219, -0.30078125, -0.16210938,  0.2578125 ,  0.07177734,
        -0.37109375, -0.07861328,  0.1640625 , -0.0255127 ,  0.19628906,
         0.234375  ,  0.14453125,  0.04638672, -0.03564453,  0.00927734,
        -0.14648438,  0.16308594, -0.3671875 , -0.06640625,  0.14453125,
         0.30859375, -0.01147461, -0.29492188, -0.03125   ,  0.11767578,
        -0.06835938,  0.18359375, -0.01647949, -0.00098419, -0.20605469,
         0.11328125,  0.17773438, -0.34179688,  0.09375   , -0.11474609,
         0.06884766,  0.03833008,  0.19238281, -0.11230469,  0.15039062,
         0.19726562,  0.234375  , -0.1875    ,  0.1171875 ,  0.08007812,
         0.01794434,  0.33398438, -0.17773438,  0.2890625 , -0.10498047,
        -0.05688477,  0.35742188, -0.22558594, -0.16503906, -0.2890625 ,
        -0.32226562, -0.140625  ,  0.28710938, -0.09277344,  0.13476562,
         0.11523438,  0.26953125,  0.06982422, -0.11279297, -0.00315857,
         0.17871094, -0.10839844, -0.04638672,  0.05053711, -0.2265625 ,
        -0.05932617, -0.26367188, -0.14648438, -0.11425781,  0.02502441,
        -0.10986328, -0.13964844,  0.11181641,  0.17285156, -0.06982422,
         0.01977539,  0.02880859,  0.17773438,  0.12695312,  0.34960938,
        -0.13867188, -0.00228882, -0.23828125,  0.14550781, -0.05273438,
         0.16210938,  0.33984375, -0.32617188, -0.16699219,  0.38085938,
         0.10400391,  0.14941406, -0.23632812,  0.14257812,  0.02355957,
         0.20019531, -0.14648438, -0.08642578, -0.09912109, -0.22363281,
         0.15136719,  0.07373047,  0.04321289,  0.09326172,  0.18945312,
         0.42578125, -0.08886719, -0.18847656,  0.20214844, -0.046875  ,
         0.0234375 , -0.2109375 , -0.05883789, -0.49414062, -0.17871094,
        -0.40234375,  0.27539062,  0.18847656, -0.02514648, -0.14160156,
        -0.0390625 ,  0.03833008, -0.24511719,  0.07373047, -0.01550293,
         0.11083984,  0.14746094, -0.234375  ,  0.12304688, -0.14355469,
        -0.38671875,  0.05932617,  0.1953125 , -0.01611328, -0.16894531,
```

```
         0.10058594,  0.06787109, -0.09082031,  0.07324219,  0.05688477,
         0.14160156, -0.16796875,  0.08740234, -0.21875   ,  0.07275391,
         0.3125    ,  0.06640625, -0.32421875, -0.07666016,  0.2578125 ,
         0.08837891, -0.2578125 , -0.19042969,  0.03320312,  0.28320312,
        -0.01782227, -0.02697754,  0.17382812, -0.0859375 , -0.03979492,
        -0.31054688, -0.19628906, -0.12988281, -0.11621094, -0.14355469,
        -0.14746094, -0.35546875, -0.08496094, -0.30859375, -0.36132812,
        -0.04907227, -0.00921631,  0.15820312, -0.10595703, -0.04614258,
         0.0456543 ,  0.13671875,  0.26171875,  0.22070312, -0.22460938,
        -0.0390625 , -0.25585938,  0.07226562,  0.45507812,  0.41796875,
         0.19824219,  0.01867676,  0.02148438,  0.05200195, -0.18457031,
         0.05419922,  0.26953125, -0.0859375 , -0.27734375,  0.08544922,
        -0.22265625,  0.07177734, -0.12597656, -0.07373047, -0.30664062,
         0.17089844, -0.27734375, -0.16113281,  0.0612793 ,  0.2109375 ,
        -0.38476562, -0.3203125 , -0.20898438, -0.19824219,  0.06103516,
        -0.25195312, -0.03515625, -0.06689453, -0.16601562,  0.11132812,
         0.359375  , -0.12207031,  0.20800781, -0.07763672, -0.05908203,
        -0.07958984,  0.41601562,  0.12890625, -0.07714844, -0.13085938,
         0.38085938, -0.0559082 ,  0.19433594,  0.01373291,  0.0222168 ,
         0.20800781, -0.01104736,  0.20996094, -0.09082031,  0.03466797,
         0.01757812, -0.34765625,  0.02575684, -0.00836182, -0.00787354,
        -0.53125   ,  0.13574219, -0.18652344,  0.12402344, -0.07958984,
         0.18652344,  0.23828125,  0.03930664, -0.22949219,  0.26367188],
       dtype=float32),
 'crawling': array([ 0.16015625,  0.3046875 , -0.10058594,  0.15917969, -0.
16210938,
         0.02575684, -0.08056641, -0.03039551,  0.03344727,  0.26757812,
         0.17382812, -0.24121094,  0.00415039, -0.10644531, -0.25976562,
        -0.21484375,  0.05053711,  0.10449219,  0.02758789, -0.16015625,
         0.06884766,  0.0291748 , -0.3515625 , -0.17089844,  0.0546875 ,
        -0.26367188, -0.0703125 ,  0.15820312,  0.20117188, -0.4453125 ,
        -0.24804688, -0.09960938,  0.06884766, -0.16796875, -0.00643921,
        -0.31054688,  0.1875    , -0.15039062, -0.02941895, -0.03076172,
         0.02160645, -0.14648438,  0.31445312, -0.08203125, -0.14941406,
         0.14550781, -0.04345703, -0.2734375 , -0.03271484,  0.06298828,
        -0.046875  ,  0.18554688,  0.05834961,  0.07421875,  0.34960938,
         0.15820312,  0.23144531, -0.17285156,  0.15332031,  0.26757812,
         0.02661133,  0.09716797, -0.07275391, -0.07714844,  0.0213623 ,
        -0.03955078,  0.09863281,  0.13671875, -0.3046875 ,  0.1328125 ,
        -0.03808594,  0.14550781, -0.06298828, -0.06884766, -0.0279541 ,
        -0.03149414, -0.05932617, -0.3125    , -0.02209473,  0.18261719,
         0.00315857,  0.01696777,  0.03857422,  0.03540039,  0.15722656,
         0.1875    ,  0.04980469, -0.09667969, -0.09326172, -0.02648926,
         0.30273438,  0.07226562, -0.12402344,  0.11962891, -0.03369141,
         0.16113281,  0.49023438, -0.125     , -0.07275391, -0.01434326,
        -0.18457031, -0.25976562,  0.13671875, -0.26757812,  0.07373047,
         0.07763672, -0.00270081, -0.09179688, -0.26953125, -0.20703125,
         0.29296875, -0.10595703,  0.06933594,  0.10595703, -0.140625  ,
        -0.16015625,  0.09472656, -0.00128174, -0.20117188,  0.26367188,
        -0.10351562, -0.05883789, -0.22851562, -0.02307129, -0.04248047,
         0.04077148, -0.01104736, -0.00248718,  0.14355469,  0.12792969,
        -0.07666016, -0.14550781, -0.03515625,  0.17089844, -0.29101562,
         0.08544922,  0.171875  , -0.12402344,  0.12597656,  0.25195312,
         0.00213623, -0.00854492, -0.25195312, -0.0324707 ,  0.06933594,
         0.15722656, -0.13183594, -0.20605469, -0.00582886, -0.17675781,
         0.08349609, -0.25585938, -0.0703125 ,  0.12255859, -0.08740234,
         0.09033203, -0.33984375, -0.07470703, -0.26171875,  0.08984375,
         0.09130859, -0.01818848, -0.24414062, -0.14355469, -0.13964844,
        -0.3359375 ,  0.04638672, -0.02319336,  0.03808594, -0.05200195,
        -0.15820312,  0.20019531, -0.04223633,  0.19726562, -0.09375   ,
         0.03369141, -0.05395508, -0.17089844,  0.15039062,  0.04101562,
        -0.00747681, -0.13476562,  0.16015625, -0.16015625, -0.19335938,
         0.16113281,  0.07519531,  0.03295898,  0.26171875, -0.26757812,
         0.19238281, -0.25      ,  0.04882812,  0.078125  , -0.03393555,
```

```
         0.44726562, -0.09277344, -0.17382812, -0.10058594,  0.0045166 ,
         0.05419922,  0.23535156,  0.01965332, -0.02478027,  0.29492188,
         0.08105469,  0.08251953, -0.03491211,  0.0135498 ,  0.1328125 ,
        -0.07666016,  0.05249023, -0.04663086, -0.01953125, -0.00312805,
         0.0703125 ,  0.14257812,  0.12207031, -0.06347656, -0.17871094,
        -0.12060547, -0.09814453,  0.23632812,  0.07373047, -0.06103516,
        -0.05932617,  0.10449219, -0.04150391,  0.01226807, -0.2109375 ,
         0.2421875 , -0.390625  , -0.05566406,  0.37695312, -0.0017395 ,
         0.18066406, -0.01745605, -0.012146  ,  0.11914062,  0.16210938,
         0.16113281,  0.15722656, -0.25      , -0.05737305,  0.04589844,
        -0.19042969,  0.23730469, -0.07373047, -0.19628906, -0.09179688,
         0.07714844, -0.07568359,  0.02770996,  0.25      ,  0.20703125,
        -0.18164062, -0.20800781, -0.06738281, -0.06982422, -0.16308594,
         0.09619141, -0.18164062,  0.28320312,  0.35742188,  0.08447266,
         0.05273438, -0.02954102, -0.11962891,  0.02294922, -0.05761719,
        -0.20800781,  0.41601562,  0.37304688,  0.13964844,  0.13671875,
        -0.26953125, -0.17675781,  0.27148438,  0.05224609, -0.22363281,
        -0.06982422,  0.1171875 , -0.11474609,  0.12597656, -0.10644531,
        -0.01318359, -0.3125    ,  0.15429688,  0.08154297,  0.12988281,
        -0.45507812,  0.0201416 ,  0.03979492,  0.05151367, -0.08496094,
         0.01422119,  0.15234375, -0.09570312, -0.1640625 ,  0.22558594],
       dtype=float32),
 'arrange': array([-0.04931641,  0.11279297, -0.04370117, -0.1875    , -0.0
1745605,
         0.04858398, -0.06738281,  0.18261719,  0.140625  , -0.40234375,
        -0.24609375, -0.12597656, -0.03173828,  0.13378906, -0.05444336,
         0.4765625 ,  0.13867188, -0.08349609,  0.10058594,  0.09570312,
         0.16015625,  0.04150391,  0.2421875 ,  0.24316406, -0.03857422,
        -0.0090332 , -0.14941406, -0.07080078, -0.078125  , -0.03222656,
         0.11328125,  0.16113281, -0.25390625, -0.05908203, -0.10351562,
         0.09814453,  0.05957031, -0.14746094, -0.02563477, -0.18457031,
         0.04882812, -0.10644531,  0.01104736, -0.31054688, -0.1328125 ,
        -0.19238281, -0.03979492, -0.04785156,  0.0480957 , -0.01989746,
        -0.15625   , -0.03295898,  0.17773438,  0.0071106 , -0.41015625,
         0.02758789, -0.06835938,  0.01165771,  0.04760742, -0.14355469,
        -0.09130859, -0.21582031, -0.25195312,  0.18457031,  0.01550293,
        -0.06494141, -0.28710938, -0.21484375,  0.11376953,  0.16113281,
         0.21289062,  0.109375  ,  0.07910156,  0.21777344,  0.05737305,
        -0.11425781, -0.21582031,  0.11572266, -0.14941406,  0.11083984,
         0.07324219, -0.01635742, -0.17285156,  0.15917969,  0.17480469,
        -0.01879883,  0.01708984, -0.203125  , -0.0390625 ,  0.50390625,
         0.27734375, -0.03173828, -0.02368164, -0.4375    ,  0.03955078,
        -0.23730469,  0.24609375,  0.14257812, -0.08007812, -0.02380371,
        -0.19335938, -0.11230469, -0.16308594,  0.10546875,  0.14257812,
        -0.01940918, -0.0222168 , -0.07080078,  0.16601562,  0.171875  ,
        -0.23144531, -0.08056641,  0.14746094, -0.24707031, -0.01708984,
         0.04541016,  0.328125  , -0.16015625,  0.4140625 ,  0.234375  ,
         0.14453125, -0.20996094,  0.2265625 ,  0.23242188, -0.03466797,
         0.32226562, -0.18359375, -0.1875    ,  0.45703125,  0.04321289,
         0.12988281, -0.04370117,  0.16113281,  0.20703125,  0.08886719,
        -0.03759766, -0.1171875 ,  0.1640625 , -0.11572266,  0.11572266,
         0.15234375,  0.00239563, -0.34179688,  0.15039062,  0.21777344,
         0.33007812, -0.49414062, -0.15136719, -0.22949219,  0.04052734,
         0.38867188,  0.0546875 , -0.1484375 ,  0.0859375 ,  0.0222168 ,
        -0.21386719, -0.02099609,  0.07958984, -0.19628906,  0.09863281,
        -0.1328125 , -0.29492188, -0.07421875,  0.03515625,  0.11621094,
         0.12792969,  0.19726562, -0.24121094,  0.03222656,  0.02722168,
        -0.00179291, -0.171875  ,  0.12695312, -0.13085938,  0.05029297,
        -0.20507812,  0.26757812, -0.04956055, -0.25390625,  0.38085938,
        -0.03491211, -0.21875   ,  0.00576782,  0.06884766,  0.08154297,
        -0.20800781,  0.18164062, -0.18359375, -0.125     ,  0.13476562,
        -0.08691406, -0.02001953,  0.06640625, -0.234375  , -0.015625  ,
        -0.296875  ,  0.14257812, -0.16308594, -0.19433594, -0.22851562,
         0.13671875,  0.28515625, -0.40039062, -0.15722656,  0.03491211,
```

```
        -0.23632812,  0.01550293,  0.12011719,  0.12695312, -0.01385498,
         0.05810547, -0.02648926, -0.0625    ,  0.06884766, -0.02148438,
        -0.00860596,  0.07421875,  0.10693359, -0.05859375, -0.37304688,
         0.13476562, -0.18945312,  0.05371094,  0.34765625, -0.01611328,
         0.09228516, -0.14355469,  0.16210938,  0.09423828, -0.03857422,
         0.11669922, -0.05078125, -0.03344727, -0.00193787,  0.11425781,
        -0.13476562,  0.15234375, -0.2421875 , -0.03198242, -0.18847656,
        -0.02185059,  0.15039062, -0.14746094,  0.26171875,  0.18261719,
         0.01940918, -0.00153351,  0.1484375 , -0.06152344, -0.30078125,
        -0.00292969,  0.14453125, -0.1328125 , -0.04248047,  0.13769531,
         0.2109375 , -0.00686646, -0.12988281,  0.04199219, -0.01031494,
        -0.14160156, -0.18359375, -0.07617188, -0.21484375,  0.44335938,
        -0.02209473,  0.11669922, -0.01507568,  0.12792969,  0.01184082,
         0.24121094,  0.19824219,  0.24511719,  0.19042969,  0.15917969,
        -0.12255859, -0.01782227,  0.01855469,  0.01147461, -0.27734375,
         0.02624512, -0.20703125,  0.02001953, -0.13964844,  0.01062012,
         0.203125  , -0.171875  ,  0.17382812, -0.05761719,  0.32226562,
        -0.14160156,  0.30078125, -0.03295898, -0.11621094, -0.08935547,
        -0.06640625, -0.12792969, -0.10986328, -0.00582886, -0.13964844],
       dtype=float32),
 'room': array([ 0.02624512,  0.1328125 , -0.0234375 ,  0.09130859,  0.0180
6641,
         0.0390625 , -0.03930664, -0.08691406,  0.1953125 , -0.03637695,
        -0.17578125, -0.22363281,  0.29296875, -0.23828125, -0.03393555,
        -0.04345703,  0.17089844,  0.07617188,  0.10449219,  0.07080078,
         0.3046875 , -0.04833984,  0.01507568, -0.0546875 , -0.25195312,
        -0.05615234, -0.2109375 ,  0.0213623 ,  0.00848389, -0.07910156,
        -0.18359375, -0.03881836, -0.13964844,  0.08398438, -0.27734375,
        -0.29492188,  0.00549316,  0.07910156, -0.11865234, -0.09667969,
        -0.21386719, -0.02258301,  0.08447266,  0.18261719,  0.04638672,
         0.01531982, -0.27148438,  0.17871094, -0.03881836,  0.00104523,
        -0.10791016, -0.14257812,  0.00695801, -0.15527344, -0.12890625,
        -0.22851562,  0.12207031,  0.09765625,  0.09521484, -0.00570679,
         0.09326172,  0.17773438, -0.01623535, -0.12353516,  0.20898438,
         0.08154297,  0.13476562,  0.08984375, -0.16015625,  0.01470947,
         0.07080078,  0.15625   ,  0.25585938,  0.16113281, -0.1015625 ,
         0.06030273,  0.17675781,  0.04125977,  0.05810547,  0.08691406,
         0.16992188,  0.17285156, -0.1796875 ,  0.10205078,  0.06396484,
        -0.30273438,  0.00384521,  0.15234375,  0.16601562,  0.140625  ,
         0.31445312,  0.08300781,  0.13183594, -0.19726562, -0.13574219,
        -0.10009766,  0.01867676,  0.16015625, -0.06591797, -0.19921875,
        -0.06396484, -0.14160156,  0.08007812, -0.15527344,  0.015625  ,
         0.01098633,  0.12792969, -0.02404785, -0.20996094, -0.23046875,
        -0.09277344, -0.07080078,  0.00247192, -0.0625    ,  0.14746094,
         0.06884766,  0.109375  , -0.0456543 ,  0.08691406,  0.08447266,
        -0.14550781, -0.31054688, -0.02026367, -0.02331543,  0.00075912,
        -0.15820312, -0.16699219,  0.03515625,  0.26171875,  0.359375  ,
         0.0625    ,  0.06542969,  0.08154297,  0.18359375,  0.10253906,
        -0.02478027, -0.06835938,  0.31445312, -0.07958984,  0.14257812,
        -0.02258301, -0.07763672,  0.10302734, -0.15039062, -0.03686523,
         0.03173828, -0.24023438,  0.08056641,  0.10351562,  0.12597656,
         0.13085938,  0.3359375 ,  0.02294922,  0.17871094,  0.13183594,
        -0.05541992, -0.12304688, -0.18164062, -0.12109375,  0.08544922,
        -0.02636719,  0.06835938,  0.22265625, -0.22070312, -0.01904297,
        -0.06933594, -0.03759766,  0.13183594,  0.11621094, -0.11425781,
        -0.32226562, -0.05688477, -0.09716797, -0.15332031, -0.21386719,
        -0.25      ,  0.07080078, -0.06103516, -0.09082031,  0.01092529,
        -0.04077148,  0.06152344,  0.13574219, -0.04467773,  0.22167969,
        -0.18066406,  0.27734375, -0.14453125,  0.13085938, -0.21875   ,
         0.19921875, -0.12109375,  0.15039062,  0.17675781,  0.07763672,
         0.19238281, -0.08105469, -0.18066406, -0.15429688, -0.23535156,
        -0.01647949,  0.04956055, -0.05371094, -0.12890625, -0.0013504 ,
        -0.265625  ,  0.15527344,  0.09619141, -0.02294922, -0.05981445,
         0.01098633,  0.05664062, -0.36328125, -0.00933838,  0.0234375 ,
```

```
         0.16503906, -0.08251953,  0.38671875, -0.25976562,  0.13183594,
        -0.08349609,  0.22070312, -0.015625  , -0.11376953, -0.18457031,
         0.10302734, -0.01855469,  0.07763672,  0.00778198, -0.12207031,
        -0.09960938, -0.1953125 , -0.09814453,  0.04638672, -0.05712891,
         0.05615234, -0.00631714, -0.05517578,  0.21875   ,  0.140625  ,
         0.19433594, -0.09082031, -0.05761719, -0.04980469, -0.04931641,
         0.07666016,  0.13574219,  0.12597656, -0.17089844, -0.0534668 ,
         0.06738281,  0.05273438,  0.21191406,  0.01721191, -0.21191406,
        -0.20800781, -0.16210938,  0.00842285,  0.03039551,  0.12597656,
        -0.15820312, -0.15527344, -0.15039062,  0.10351562, -0.18066406,
         0.20410156,  0.19238281, -0.03955078, -0.20898438, -0.06347656,
         0.09033203, -0.00872803,  0.15332031,  0.04467773,  0.20703125,
         0.13867188,  0.05419922, -0.18457031,  0.04150391, -0.16992188,
         0.29101562,  0.04272461,  0.20800781, -0.07910156,  0.20117188,
        -0.03063965,  0.16308594, -0.09912109,  0.12109375,  0.17480469,
        -0.16992188,  0.07324219,  0.04833984,  0.02429199, -0.03881836,
        -0.4453125 , -0.07861328,  0.12158203, -0.1328125 ,  0.10302734],
       dtype=float32),
 'chair': array([ 1.18652344e-01, -3.75000000e-01,  1.61132812e-01,  2.1514
8926e-03,
        -1.87683105e-03, -2.51953125e-01,  2.07031250e-01, -1.41601562e-01,
         2.38281250e-01, -9.42382812e-02, -2.17285156e-02,  4.63867188e-02,
        -6.93359375e-02, -2.10937500e-01, -1.57470703e-02,  1.76757812e-01,
         2.24609375e-01, -9.88769531e-03,  5.37109375e-02,  5.00488281e-02,
         9.91210938e-02,  2.40234375e-01, -1.58203125e-01,  2.86865234e-02,
         1.24511719e-01, -2.69531250e-01, -2.12890625e-01,  1.56250000e-01,
        -3.08593750e-01, -1.78710938e-01, -3.10546875e-01,  1.08398438e-01,
        -9.47265625e-02,  1.41601562e-01,  6.01196289e-03, -5.68847656e-02,
        -2.39257812e-01,  3.37890625e-01, -1.12792969e-01, -1.36718750e-01,
        -3.33984375e-01,  1.09375000e-01,  4.32128906e-02, -1.29882812e-01,
        -1.78710938e-01, -4.68750000e-02, -2.63671875e-01,  1.04003906e-01,
         2.14843750e-01,  2.49023438e-01, -3.00781250e-01,  6.74438477e-03,
         1.55273438e-01, -3.32031250e-02, -2.35595703e-02,  5.24902344e-02,
         6.98242188e-02, -1.08886719e-01,  2.27539062e-01, -1.26953125e-01,
        -2.91015625e-01,  8.17871094e-03, -6.54296875e-02,  1.53320312e-01,
        -2.80761719e-03,  5.05371094e-02, -2.17773438e-01,  1.07421875e-01,
         1.16699219e-01,  1.61132812e-01,  3.37890625e-01, -2.94921875e-01,
         8.88671875e-02,  2.19726562e-02, -3.78906250e-01, -2.65625000e-01,
        -1.97753906e-02,  1.55273438e-01,  1.53320312e-01, -1.97265625e-01,
         2.73437500e-01, -1.00585938e-01,  3.95507812e-02,  8.64257812e-02,
        -3.46679688e-02,  9.03320312e-02, -5.95703125e-02, -3.88671875e-01,
         9.52148438e-02, -2.84423828e-02,  1.84570312e-01, -1.91406250e-01,
         2.24609375e-01, -1.26953125e-02, -2.70996094e-02,  1.99218750e-01,
         1.28906250e-01, -6.29882812e-02, -2.62451172e-02, -1.22070312e-01,
        -1.90429688e-01, -3.94531250e-01,  1.53350830e-03,  2.23388672e-02,
        -8.97216797e-03,  1.99218750e-01, -2.01171875e-01,  1.78222656e-02,
         2.90527344e-02, -7.56835938e-02, -3.32031250e-01, -2.00195312e-01,
         3.55468750e-01, -2.30468750e-01, -1.10351562e-01, -8.20312500e-02,
         3.83300781e-02,  1.54296875e-01,  2.01171875e-01, -7.04956055e-03,
         3.32641602e-03, -2.21679688e-01, -3.90625000e-02,  7.29370117e-03,
        -7.42187500e-02, -7.17773438e-02, -3.58886719e-02, -2.92968750e-03,
         8.54492188e-02,  2.11914062e-01,  1.33789062e-01, -1.02539062e-01,
        -2.27539062e-01,  4.80957031e-02, -6.73828125e-02,  5.54687500e-01,
         2.20703125e-01,  7.47070312e-02,  4.12597656e-02,  3.54003906e-02,
        -3.26538086e-03,  5.41992188e-02, -5.59082031e-02, -1.15722656e-01,
        -5.95703125e-02,  1.87500000e-01, -4.85839844e-02, -1.07910156e-01,
         4.45312500e-01,  3.76953125e-01,  3.14453125e-01,  2.47070312e-01,
         5.95703125e-02,  2.77343750e-01,  3.49609375e-01,  3.68652344e-02,
        -2.46093750e-01, -6.73828125e-02, -1.45507812e-01, -5.00488281e-02,
        -5.68847656e-02, -1.71875000e-01,  2.51953125e-01,  1.44531250e-01,
         1.40625000e-01,  1.69921875e-01, -1.04492188e-01, -1.59179688e-01,
         7.61718750e-02,  5.15136719e-02,  3.06640625e-01,  1.98242188e-01,
        -2.57812500e-01,  7.32421875e-02,  1.02539062e-02, -5.31250000e-01,
         2.89062500e-01, -1.86523438e-01,  1.62109375e-01,  1.48437500e-01,
```

```
        -7.71484375e-02, -7.37304688e-02,  2.47070312e-01, -1.06445312e-01,
        -5.73730469e-03,  5.41992188e-02,  5.93261719e-02,  1.04980469e-01,
         1.65039062e-01, -1.04980469e-01,  2.28515625e-01, -1.50390625e-01,
        -2.22167969e-02,  3.96484375e-01,  4.34570312e-02, -1.08886719e-01,
        -1.73828125e-01, -1.86523438e-01,  2.61718750e-01,  4.76837158e-04,
        -4.04296875e-01,  1.45507812e-01, -4.22363281e-02, -3.61328125e-01,
        -7.22656250e-02, -1.79687500e-01,  2.92968750e-01,  1.48437500e-01,
        -1.04003906e-01,  6.05468750e-02, -6.49414062e-02,  4.71191406e-02,
        -1.57226562e-01, -2.34375000e-02,  7.86132812e-02, -6.54296875e-02,
        -2.71484375e-01, -1.05957031e-01,  1.08886719e-01,  1.51367188e-01,
         7.91015625e-02, -7.95898438e-02, -3.39355469e-02,  2.87109375e-01,
         1.80664062e-01,  1.02050781e-01,  2.87109375e-01,  4.00390625e-02,
         1.68945312e-01, -4.10156250e-02, -4.60937500e-01, -1.66015625e-02,
        -1.56250000e-01, -2.94189453e-02, -2.10937500e-01,  9.32617188e-02,
        -1.56250000e-02,  6.68945312e-02,  1.24511719e-01, -3.93066406e-02,
        -1.00097656e-02, -2.23632812e-01, -9.52148438e-02, -1.21582031e-01,
         9.13085938e-02,  6.44531250e-02,  4.37011719e-02, -1.44531250e-01,
        -1.79687500e-01, -1.85546875e-01, -2.92968750e-02,  1.28906250e-01,
        -2.69531250e-01, -1.42578125e-01, -9.76562500e-02,  1.28906250e-01,
        -6.05468750e-02,  1.78710938e-01, -1.25000000e-01, -7.47070312e-02,
        -2.89306641e-02,  7.59124756e-04,  3.56445312e-02, -2.69531250e-01,
         9.22851562e-02, -1.20239258e-02,  3.17382812e-02,  1.96289062e-01,
        -1.41601562e-01,  1.48437500e-01, -9.32617188e-02,  2.92968750e-01,
         1.98242188e-01,  1.60156250e-01, -1.84570312e-01, -1.31835938e-01,
         2.35595703e-02, -6.49414062e-02, -2.15820312e-01,  2.19726562e-02,
         3.61328125e-01,  7.08007812e-02,  1.30859375e-01, -2.83203125e-02,
         4.10156250e-01,  2.71484375e-01, -8.20312500e-02, -2.50000000e-01,
         1.32812500e-01,  3.87573242e-03, -2.85156250e-01, -7.17773438e-02,
        -1.40625000e-01,  7.37304688e-02, -9.03320312e-02, -2.34375000e-01,
         1.98242188e-01,  2.61718750e-01,  1.20117188e-01,  1.71875000e-0
1],
       dtype=float32),
 'folding': array([ 0.01843262,  0.15136719, -0.0859375 ,  0.15332031, -0.2
65625  ,
         0.00302124, -0.12792969, -0.21386719,  0.12890625,  0.03112793,
         0.19042969, -0.15039062, -0.09033203, -0.0071106 , -0.08203125,
         0.06298828, -0.046875  ,  0.1171875 , -0.06152344,  0.05224609,
         0.22363281, -0.02038574, -0.30664062,  0.06738281,  0.03613281,
         0.1796875 , -0.20507812,  0.07666016, -0.04638672, -0.265625  ,
        -0.04931641,  0.17285156,  0.16503906,  0.359375  ,  0.32421875,
        -0.10839844,  0.08837891,  0.13964844, -0.15527344, -0.04272461,
         0.00138855, -0.06884766,  0.24609375, -0.05322266, -0.00717163,
        -0.10498047, -0.08154297,  0.171875  ,  0.24121094,  0.03540039,
        -0.01226807, -0.24902344, -0.14355469, -0.16992188,  0.12695312,
         0.19628906,  0.01818848, -0.05493164,  0.22363281,  0.0456543 ,
        -0.19726562,  0.12451172, -0.08300781, -0.33984375,  0.05053711,
        -0.27539062, -0.25390625,  0.10546875,  0.04150391,  0.17773438,
         0.43554688,  0.28710938,  0.18066406, -0.19824219, -0.23242188,
        -0.24902344, -0.04125977, -0.10644531, -0.07763672, -0.14648438,
         0.08935547, -0.25390625,  0.06689453,  0.03173828,  0.1484375 ,
        -0.05029297,  0.2265625 ,  0.20800781,  0.09960938,  0.07958984,
        -0.16992188, -0.02832031, -0.03027344,  0.08544922,  0.10742188,
         0.22167969,  0.13769531, -0.35742188,  0.0279541 , -0.0234375 ,
        -0.34375   , -0.12402344,  0.06494141, -0.08496094, -0.10302734,
         0.234375  ,  0.25      ,  0.14746094, -0.22265625,  0.05664062,
         0.00114441, -0.21582031, -0.03833008, -0.17773438,  0.08984375,
         0.18359375,  0.16796875,  0.30859375, -0.12304688, -0.10400391,
        -0.00183868, -0.01416016, -0.00793457, -0.10400391,  0.10693359,
         0.06787109, -0.08203125,  0.31054688, -0.00628662, -0.00341797,
         0.38867188, -0.18359375, -0.30078125, -0.1484375 ,  0.06152344,
         0.18554688, -0.16601562, -0.06982422, -0.21289062, -0.00805664,
         0.25585938, -0.37109375, -0.25585938, -0.0703125 ,  0.11669922,
         0.36914062, -0.2578125 , -0.15625   ,  0.12695312, -0.03881836,
        -0.0090332 , -0.33203125,  0.12060547,  0.09716797,  0.03881836,
```

```
        -0.17382812, -0.20800781, -0.17578125, -0.13867188,  0.23339844,
        -0.10351562, -0.02905273,  0.16113281, -0.04736328, -0.08984375,
        -0.14160156,  0.1171875 ,  0.10058594, -0.109375  , -0.10791016,
         0.04418945, -0.38476562, -0.3359375 , -0.00878906,  0.14648438,
         0.16015625,  0.15625   , -0.0201416 ,  0.19238281,  0.07421875,
        -0.07470703, -0.20996094,  0.0111084 , -0.13085938,  0.05371094,
        -0.12597656, -0.18359375,  0.04467773, -0.17871094, -0.12109375,
         0.22851562, -0.06176758, -0.00136566,  0.00836182, -0.12792969,
         0.07470703, -0.09082031, -0.1953125 ,  0.1875    , -0.15234375,
        -0.12597656, -0.05249023, -0.17480469, -0.24023438, -0.02575684,
        -0.03588867,  0.00540161, -0.05664062, -0.0390625 ,  0.11767578,
         0.02648926,  0.0534668 , -0.02807617,  0.21777344,  0.13085938,
        -0.22265625,  0.11572266,  0.08251953, -0.33398438,  0.13671875,
         0.00302124,  0.10351562, -0.20703125,  0.19042969, -0.38085938,
        -0.20117188, -0.03320312, -0.10009766,  0.07226562, -0.22167969,
        -0.08886719,  0.03881836,  0.23242188,  0.13769531, -0.13964844,
        -0.06176758, -0.09716797,  0.03564453,  0.10302734, -0.05200195,
         0.12060547, -0.05664062, -0.11181641, -0.06933594,  0.06884766,
        -0.01544189,  0.08447266, -0.20214844, -0.12792969, -0.28320312,
         0.31445312, -0.01879883,  0.11279297, -0.18164062,  0.16601562,
        -0.14453125,  0.11425781, -0.04760742, -0.09814453,  0.23046875,
         0.17089844,  0.296875  , -0.01318359, -0.27539062, -0.27539062,
         0.1640625 ,  0.24121094,  0.17285156, -0.00799561, -0.02038574,
         0.42382812,  0.20117188,  0.15234375, -0.22167969,  0.20410156,
         0.06982422, -0.16503906, -0.01904297, -0.08300781,  0.03491211,
        -0.03393555, -0.03344727,  0.07080078, -0.18066406,  0.11669922,
         0.09326172, -0.02026367,  0.14355469, -0.11132812,  0.01556396,
        -0.3515625 ,  0.09814453, -0.26171875,  0.09667969,  0.05493164,
        -0.02575684,  0.11376953,  0.00909424, -0.25390625, -0.01916504],
       dtype=float32),
 'table': array([-0.14453125, -0.02648926,  0.11767578,  0.21386719, -0.042
23633,
        -0.02514648,  0.12207031, -0.20410156,  0.03662109,  0.265625  ,
        -0.08154297, -0.16699219,  0.2109375 , -0.08105469, -0.10498047,
         0.20898438,  0.10449219, -0.05004883,  0.20800781, -0.05566406,
         0.20996094,  0.13964844, -0.14648438, -0.06982422,  0.06103516,
         0.1484375 , -0.1875    ,  0.04321289, -0.11474609, -0.06445312,
        -0.22460938,  0.15527344,  0.00662231,  0.14257812, -0.04370117,
        -0.11132812, -0.11767578,  0.20507812, -0.08789062, -0.20996094,
        -0.07275391, -0.15136719,  0.06640625, -0.07080078,  0.19433594,
        -0.04736328, -0.00352478,  0.02539062,  0.13574219,  0.08740234,
        -0.24023438, -0.01757812, -0.08740234, -0.38867188, -0.13183594,
        -0.09472656,  0.20996094, -0.00518799,  0.16699219,  0.03588867,
        -0.31054688, -0.125     , -0.4140625 , -0.00738525,  0.10058594,
        -0.0546875 , -0.04614258, -0.06494141,  0.14453125, -0.13378906,
         0.25976562, -0.21386719,  0.265625  ,  0.18652344, -0.04907227,
        -0.16699219, -0.07666016,  0.04833984,  0.09619141,  0.00052643,
         0.12255859, -0.35742188,  0.0378418 ,  0.11083984,  0.25976562,
        -0.03759766,  0.12451172,  0.06787109,  0.08496094, -0.06835938,
         0.19628906, -0.01806641, -0.24023438, -0.21679688, -0.13964844,
        -0.1875    ,  0.12304688, -0.24121094, -0.1484375 , -0.2109375 ,
        -0.20605469, -0.17773438, -0.09863281, -0.13476562, -0.11230469,
        -0.00854492,  0.08105469, -0.08007812,  0.06298828, -0.07226562,
        -0.15332031, -0.04077148,  0.23339844, -0.20800781, -0.09082031,
        -0.04199219,  0.25      , -0.12695312, -0.06494141,  0.01696777,
        -0.06030273, -0.00646973,  0.15820312,  0.11230469, -0.3515625 ,
        -0.19433594, -0.10058594, -0.1328125 , -0.07861328, -0.03149414,
         0.31640625, -0.07519531, -0.16015625, -0.08251953, -0.2109375 ,
         0.25      ,  0.00212097, -0.015625  , -0.12011719,  0.19335938,
        -0.03564453, -0.12890625,  0.203125  , -0.1015625 ,  0.05688477,
         0.35742188, -0.32226562, -0.33203125,  0.08105469,  0.22851562,
         0.0612793 ,  0.09082031, -0.02563477,  0.10009766,  0.01708984,
        -0.05859375, -0.0100708 , -0.22167969,  0.0559082 ,  0.05517578,
        -0.20898438, -0.06933594,  0.04052734, -0.19238281,  0.14453125,
```

```
        -0.13671875, -0.07275391,  0.06787109, -0.15429688, -0.00765991,
        -0.265625  , -0.15136719,  0.10644531, -0.03833008,  0.0189209 ,
        -0.20507812, -0.07373047,  0.03955078,  0.07373047,  0.11083984,
        -0.25585938,  0.17382812,  0.16894531,  0.05981445,  0.08691406,
         0.04394531, -0.17871094,  0.22167969, -0.02404785, -0.11425781,
         0.27734375, -0.02954102, -0.00108337, -0.06225586,  0.0859375 ,
         0.140625  , -0.21875   , -0.0378418 , -0.13476562, -0.37890625,
        -0.33789062,  0.17578125, -0.15234375, -0.07714844,  0.01495361,
         0.0703125 ,  0.05712891,  0.21386719, -0.18457031,  0.03027344,
        -0.15039062,  0.04638672, -0.21582031, -0.03613281, -0.04467773,
         0.04931641, -0.0703125 ,  0.29101562,  0.078125  ,  0.16308594,
        -0.25585938,  0.23730469, -0.15722656,  0.08544922, -0.14160156,
        -0.00933838, -0.0300293 , -0.046875  ,  0.28320312,  0.06884766,
         0.22558594, -0.16308594,  0.09179688,  0.08349609, -0.12695312,
        -0.10888672,  0.05615234,  0.3671875 ,  0.13476562,  0.11181641,
        -0.06079102, -0.05029297,  0.05102539,  0.01867676,  0.00047684,
         0.13183594,  0.22070312, -0.11328125, -0.1640625 , -0.04711914,
        -0.0625    ,  0.27539062, -0.01745605, -0.25390625, -0.24511719,
        -0.29882812, -0.29492188, -0.09326172, -0.09082031,  0.03198242,
         0.02478027, -0.12792969, -0.16210938, -0.15625   , -0.19628906,
         0.20800781, -0.22070312,  0.0612793 , -0.2578125 , -0.21875   ,
         0.13671875,  0.27929688, -0.05078125,  0.02197266, -0.02453613,
         0.41210938,  0.14941406, -0.23632812, -0.08447266, -0.03344727,
         0.05126953,  0.01806641,  0.0267334 ,  0.30664062,  0.00338745,
         0.04272461, -0.13476562,  0.24121094, -0.00805664,  0.00302124,
        -0.03198242, -0.07177734, -0.12304688, -0.0177002 ,  0.00415039,
        -0.07666016,  0.06982422, -0.09521484, -0.09814453, -0.01226807],
       dtype=float32),
 'flip': array([ 1.82617188e-01, -7.86132812e-02, -1.18164062e-01,  9.42382
812e-02,
        -8.69140625e-02, -2.91015625e-01,  2.81250000e-01, -7.11059570e-03,
         1.72851562e-01,  9.86328125e-02,  4.78515625e-02, -1.04492188e-01,
        -6.83593750e-02,  1.81640625e-01, -1.73828125e-01,  1.05957031e-01,
        -1.18164062e-01,  8.36181641e-03,  1.64062500e-01, -1.47460938e-01,
         2.94921875e-01,  2.73437500e-01, -1.49414062e-01,  1.42578125e-01,
        -2.72216797e-02,  4.95605469e-02,  6.03027344e-02,  1.74804688e-01,
         2.26562500e-01,  1.44531250e-01, -1.97265625e-01,  2.45117188e-01,
        -4.93164062e-02,  1.61132812e-01,  1.96289062e-01,  7.66601562e-02,
         3.41796875e-01,  1.41601562e-01, -2.38037109e-02, -2.63671875e-01,
        -5.34667969e-02, -1.70898438e-01,  3.69140625e-01, -4.10156250e-02,
        -7.71484375e-02, -3.41796875e-02,  1.32812500e-01, -1.58203125e-01,
         3.84765625e-01, -6.64062500e-02, -1.97265625e-01,  1.09375000e-01,
        -6.25610352e-03, -2.75390625e-01, -8.20312500e-02,  2.38281250e-01,
         1.61132812e-01, -1.25976562e-01,  5.76171875e-02,  1.74804688e-01,
         2.20947266e-02, -1.59179688e-01, -8.49609375e-02,  1.78710938e-01,
         2.32421875e-01, -2.06054688e-01,  4.80957031e-02,  1.83593750e-01,
        -2.11181641e-02,  2.17773438e-01,  2.71484375e-01, -9.66796875e-02,
         2.91015625e-01, -1.34765625e-01,  8.74023438e-02, -1.35742188e-01,
        -5.22460938e-02,  2.18750000e-01, -3.73535156e-02, -1.80664062e-01,
        -5.49316406e-03, -2.29492188e-01,  6.54296875e-02, -1.56250000e-01,
         1.12304688e-01, -1.91650391e-02,  7.61718750e-02,  2.34375000e-01,
        -1.51367188e-01,  1.80664062e-02, -2.77343750e-01,  1.03027344e-01,
        -2.09960938e-01,  2.26562500e-01,  9.47265625e-02,  1.35742188e-01,
         9.22851562e-02,  3.65234375e-01,  5.93261719e-02,  3.24707031e-02,
        -1.50390625e-01, -2.48046875e-01, -7.81250000e-02, -6.83593750e-02,
         2.21679688e-01, -1.65039062e-01, -9.03320312e-02, -1.68945312e-01,
         2.46093750e-01, -6.34765625e-02,  7.86132812e-02, -1.25976562e-01,
        -1.87500000e-01,  1.57226562e-01,  7.08007812e-02,  1.33666992e-02,
        -1.40625000e-01, -3.27148438e-02,  2.17285156e-02,  2.06298828e-02,
        -9.91210938e-02, -1.03515625e-01,  6.64062500e-02,  1.58203125e-01,
         1.35742188e-01, -6.39648438e-02, -6.25000000e-02,  1.44531250e-01,
         9.13085938e-02,  2.60925293e-03,  1.23046875e-01,  9.57031250e-02,
         6.86645508e-05,  3.17382812e-02,  8.98437500e-02,  1.01928711e-02,
        -1.11816406e-01,  1.33666992e-02,  6.59179688e-02,  5.24902344e-02,
```

```
         7.47070312e-02, -3.32031250e-01, -1.32812500e-01, -4.24194336e-03,
         2.38281250e-01,  3.65234375e-01, -2.18750000e-01, -1.04980469e-01,
         1.92382812e-01, -1.74804688e-01, -2.72216797e-02, -2.39257812e-01,
        -8.88671875e-02,  9.88769531e-03, -9.66796875e-02,  3.01513672e-02,
        -9.42382812e-02,  2.73437500e-02, -3.95507812e-02,  1.69921875e-01,
        -4.47265625e-01, -5.39550781e-02, -1.90429688e-02, -1.61132812e-01,
         4.29687500e-02, -1.02050781e-01,  4.98046875e-02, -1.09375000e-01,
         1.25976562e-01, -3.20312500e-01, -1.71875000e-01,  8.69140625e-02,
        -1.56250000e-02,  1.43554688e-01, -3.19824219e-02, -3.27148438e-02,
         7.08007812e-02, -1.76757812e-01, -1.96533203e-02, -1.79443359e-02,
        -2.87109375e-01, -1.13769531e-01, -6.54296875e-02, -1.06933594e-01,
         1.10351562e-01, -1.10351562e-01, -1.21582031e-01,  1.70898438e-02,
         3.29589844e-02, -2.57568359e-02,  2.61718750e-01, -2.91015625e-01,
        -1.04003906e-01, -7.56835938e-02, -1.17187500e-01,  1.83593750e-01,
        -1.56250000e-01,  4.93164062e-02, -8.98437500e-02, -1.09375000e-01,
         1.84326172e-02,  1.85546875e-01, -1.53320312e-01, -5.17578125e-02,
         5.81054688e-02,  2.85644531e-02, -3.22265625e-01, -2.51953125e-01,
        -9.32617188e-02,  2.59765625e-01,  1.17187500e-01,  3.55468750e-01,
        -1.64062500e-01,  7.95898438e-02, -5.44433594e-02, -2.12890625e-01,
         2.21679688e-01,  1.29882812e-01, -3.65234375e-01, -1.99218750e-01,
        -1.96533203e-02,  2.13867188e-01, -2.19726562e-01,  1.53320312e-01,
        -1.49414062e-01, -8.44726562e-02,  1.38671875e-01, -7.08007812e-02,
        -1.17187500e-02, -5.41992188e-02,  5.24902344e-02,  3.08593750e-01,
         3.17382812e-02, -2.16064453e-02, -2.45361328e-02, -1.29882812e-01,
        -5.59082031e-02, -1.89453125e-01, -7.32421875e-02,  1.88476562e-01,
         1.96289062e-01,  1.41601562e-01,  1.23046875e-01, -3.78906250e-01,
        -1.16210938e-01,  7.91015625e-02,  5.51757812e-02,  1.20117188e-01,
        -5.98144531e-02, -1.61132812e-01,  2.99072266e-02, -6.93359375e-02,
         1.51367188e-01,  1.21093750e-01,  1.71875000e-01, -1.59179688e-01,
        -1.96289062e-01,  8.15429688e-02, -3.50952148e-03,  2.34375000e-01,
        -2.51953125e-01,  3.90625000e-02, -6.22558594e-02, -1.79687500e-01,
        -8.98437500e-02,  1.26953125e-01,  1.57226562e-01, -5.78613281e-02,
        -1.16210938e-01,  8.00781250e-02,  1.59179688e-01,  2.83203125e-01,
         6.15234375e-02, -1.66992188e-01,  1.19140625e-01, -7.61718750e-02,
        -1.67968750e-01,  1.39160156e-02, -9.52148438e-02, -4.90722656e-02,
         2.34375000e-01,  2.09960938e-01,  9.08203125e-02,  6.54296875e-02,
         1.12304688e-01, -2.34375000e-01, -1.74804688e-01, -1.54296875e-01,
        -2.40234375e-01, -1.32812500e-01,  2.79296875e-01,  2.20703125e-01,
        -2.18750000e-01,  8.83789062e-02, -4.66308594e-02, -3.08593750e-01,
         9.76562500e-03, -3.04687500e-01,  2.98828125e-01,  1.64794922e-0
2],
       dtype=float32),
 'chart': array([-1.44531250e-01, -2.83203125e-01, -4.37500000e-01,  5.9326
1719e-02,
        -8.93554688e-02, -2.14843750e-01, -3.04687500e-01, -1.17675781e-01,
         1.50390625e-01, -1.30859375e-01, -8.30078125e-02,  8.98437500e-02,
         2.53906250e-01,  1.62109375e-01, -2.81250000e-01,  9.39941406e-03,
        -1.94335938e-01, -1.24511719e-01, -7.61718750e-02, -5.11718750e-01,
         2.11914062e-01,  2.00195312e-01, -2.42187500e-01, -1.72851562e-01,
        -2.66113281e-02,  2.75390625e-01, -1.37695312e-01,  8.88671875e-02,
        -9.42382812e-02,  2.65625000e-01, -3.81469727e-03,  5.03540039e-04,
        -1.01562500e-01, -5.54199219e-02, -2.63671875e-01, -1.77001953e-02,
         1.32812500e-01,  3.24707031e-02,  2.49023438e-01, -1.12304688e-01,
         1.10839844e-01, -4.41894531e-02, -1.35742188e-01,  1.65039062e-01,
         3.58886719e-02,  1.82617188e-01,  4.61425781e-02, -1.82617188e-01,
         3.32031250e-01, -1.47460938e-01, -7.47070312e-02, -1.45507812e-01,
         1.53320312e-01, -1.26953125e-01,  1.76757812e-01, -3.51562500e-02,
         1.14135742e-02, -1.75781250e-01, -2.02636719e-02,  1.39648438e-01,
        -1.71875000e-01,  1.47460938e-01,  7.76367188e-02,  3.46679688e-02,
        -1.60156250e-01, -1.30859375e-01,  2.23388672e-02, -4.27246094e-02,
         6.64062500e-02, -3.22265625e-01, -2.89062500e-01, -3.12500000e-01,
         2.79296875e-01, -2.58789062e-02, -1.35742188e-01,  2.01416016e-03,
        -1.06933594e-01,  5.49316406e-02, -3.00781250e-01, -1.59179688e-01,
         3.95507812e-02, -3.90625000e-01, -8.10546875e-02, -5.56640625e-02,
```

```
         1.48437500e-01, -9.71679688e-02,  5.54199219e-02, -4.02832031e-02,
         3.51562500e-01, -3.29589844e-02, -1.28906250e-01, -1.91406250e-01,
        -1.25976562e-01,  8.05664062e-02, -4.46777344e-02,  1.39648438e-01,
         4.27734375e-01, -3.00781250e-01,  1.66992188e-01,  1.53320312e-01,
         2.98828125e-01, -1.38671875e-01,  5.07812500e-02, -2.11914062e-01,
        -2.69531250e-01, -1.07421875e-01, -3.18359375e-01, -7.95898438e-02,
        -2.39257812e-02,  7.37304688e-02,  1.01318359e-02, -1.41601562e-02,
        -1.37695312e-01, -8.42285156e-03,  1.36718750e-01,  3.19824219e-02,
         3.06396484e-02, -2.10937500e-01,  2.63671875e-01,  1.57226562e-01,
        -1.20605469e-01, -1.98242188e-01,  6.54296875e-02,  1.16210938e-01,
        -4.07714844e-02,  2.43164062e-01, -2.33398438e-01, -1.85546875e-01,
         1.16210938e-01,  3.20312500e-01,  9.86328125e-02, -5.24902344e-02,
         2.20703125e-01,  1.02539062e-02,  3.47656250e-01, -4.71191406e-02,
        -1.14257812e-01,  1.39648438e-01,  3.05175781e-03,  3.28125000e-01,
         1.02050781e-01,  1.59179688e-01, -1.45507812e-01,  4.14062500e-01,
        -1.89453125e-01,  7.65991211e-03,  4.51171875e-01, -1.90429688e-01,
         9.32617188e-02,  1.60156250e-01, -1.38671875e-01,  1.18652344e-01,
        -1.72851562e-01,  2.96875000e-01, -5.02929688e-02, -1.03027344e-01,
         5.07812500e-02, -1.05957031e-01, -2.07031250e-01, -1.65039062e-01,
        -1.29882812e-01,  1.22070312e-01,  5.24902344e-02, -1.78710938e-01,
         6.68945312e-02, -1.87500000e-01,  1.27929688e-01, -1.09375000e-01,
        -1.87500000e-01, -7.03125000e-02,  3.02734375e-02, -6.07910156e-02,
         7.37304688e-02,  2.50000000e-01, -2.36328125e-01, -9.91210938e-02,
        -3.44238281e-02, -2.91015625e-01,  1.77734375e-01, -9.66796875e-02,
        -4.00390625e-01,  7.81250000e-02, -1.36718750e-01,  2.61718750e-01,
         3.00781250e-01, -4.68750000e-02, -3.24218750e-01,  2.03125000e-01,
        -1.57226562e-01,  2.87109375e-01,  1.88476562e-01, -1.57226562e-01,
         1.30859375e-01, -2.03125000e-01,  1.34765625e-01,  3.63769531e-02,
        -2.51953125e-01, -3.27148438e-02, -2.14843750e-01, -5.97656250e-01,
        -4.60937500e-01,  5.44433594e-02, -1.17187500e-01, -1.26953125e-01,
         1.62109375e-01,  7.37304688e-02, -2.03125000e-01, -1.12304688e-01,
         8.39843750e-02, -3.50952148e-03,  8.78906250e-03,  2.53906250e-01,
        -3.10546875e-01, -4.37011719e-02, -2.09960938e-01, -1.87988281e-02,
         3.22265625e-01,  1.57226562e-01, -1.37695312e-01, -4.93164062e-02,
        -2.72216797e-02,  3.35937500e-01,  1.50146484e-02,  4.88281250e-02,
         1.96533203e-02, -1.04980469e-01,  3.05175781e-02, -1.08886719e-01,
         5.85937500e-02,  2.17773438e-01, -8.93554688e-02, -4.19921875e-01,
         6.54296875e-02,  1.47094727e-02, -6.78710938e-02,  1.27929688e-01,
         2.96630859e-02, -1.66015625e-02,  2.87109375e-01, -4.85839844e-02,
         2.71484375e-01, -9.42382812e-02,  2.33398438e-01, -2.53906250e-01,
         1.78710938e-01,  2.18750000e-01,  2.24609375e-02,  1.87500000e-01,
        -5.68847656e-02,  4.80957031e-02, -1.44531250e-01,  3.14453125e-01,
        -1.15722656e-01,  1.34765625e-01, -1.66992188e-01, -1.68945312e-01,
        -1.25976562e-01,  1.77734375e-01,  3.11279297e-02, -5.61523438e-02,
         1.15722656e-01,  4.78515625e-02,  8.59375000e-02, -1.14746094e-01,
         2.81250000e-01,  2.46093750e-01,  1.20239258e-02,  1.15722656e-01,
         1.98242188e-01, -4.93164062e-02,  2.41210938e-01,  3.26171875e-01,
         1.45507812e-01,  1.04003906e-01, -1.00097656e-01,  4.08203125e-01,
        -5.78613281e-02, -3.16406250e-01,  3.83300781e-02,  1.16210938e-01,
        -2.37304688e-01,  3.67187500e-01, -2.98828125e-01,  2.32421875e-01,
         1.93359375e-01, -3.08593750e-01, -2.92968750e-01,  2.25585938e-01,
        -3.73840332e-03, -5.29785156e-02,  1.21093750e-01,  1.78710938e-01,
        -2.02148438e-01, -3.04687500e-01, -1.74804688e-01, -1.76757812e-01,
        -2.12402344e-02, -1.52343750e-01,  3.27148438e-02,  2.21679688e-0
1],
       dtype=float32),
 'projector': array([ 0.23632812, -0.04052734, -0.05078125,  0.04785156,
0.13476562,
        -0.06225586,  0.11914062,  0.03930664,  0.1875    , -0.00592041,
        -0.07519531, -0.0703125 ,  0.11132812,  0.03735352,  0.18847656,
         0.24707031,  0.05932617,  0.21972656, -0.12060547, -0.5390625 ,
         0.33984375,  0.09179688, -0.0402832 ,  0.00177765,  0.09423828,
        -0.05981445, -0.20605469,  0.25585938,  0.23046875, -0.17285156,
        -0.30273438,  0.18164062, -0.45703125,  0.13769531, -0.24023438,
```

```
        -0.5078125 , -0.06689453,  0.125     , -0.03979492, -0.37304688,
         0.21679688,  0.16601562,  0.12353516,  0.02978516,  0.09912109,
         0.00193787, -0.2421875 , -0.00650024,  0.05419922, -0.48828125,
        -0.34570312, -0.14941406,  0.05078125, -0.35742188,  0.05883789,
        -0.0378418 ,  0.20214844,  0.09179688, -0.14160156,  0.06738281,
        -0.22265625,  0.14746094, -0.375     ,  0.11767578, -0.07421875,
        -0.328125  , -0.17871094,  0.09960938,  0.18261719, -0.02197266,
         0.03417969,  0.140625  ,  0.13378906, -0.10205078, -0.0480957 ,
         0.01391602,  0.04589844, -0.06982422,  0.16210938, -0.4296875 ,
         0.3984375 ,  0.15234375,  0.00151825,  0.32421875,  0.19042969,
        -0.01818848,  0.09228516,  0.23144531, -0.11132812, -0.01190186,
        -0.14648438, -0.125     ,  0.07568359,  0.03588867, -0.43554688,
        -0.3046875 ,  0.04858398,  0.15917969,  0.2265625 ,  0.19921875,
        -0.06225586,  0.12890625, -0.01831055, -0.14746094,  0.01757812,
         0.38867188,  0.203125  ,  0.16308594,  0.27734375, -0.45898438,
        -0.08886719, -0.00521851,  0.09375   ,  0.0625    ,  0.2109375 ,
        -0.19824219,  0.05761719, -0.41796875, -0.01245117, -0.26757812,
         0.02160645, -0.11376953,  0.05102539, -0.06347656, -0.07568359,
        -0.02722168, -0.4921875 , -0.16503906, -0.18164062,  0.26367188,
         0.1328125 ,  0.08349609, -0.26953125,  0.07275391,  0.18066406,
         0.24414062, -0.17089844, -0.10986328, -0.23339844, -0.15429688,
         0.02099609, -0.21582031,  0.13867188, -0.0222168 , -0.11035156,
        -0.13574219,  0.03088379,  0.08007812,  0.20800781,  0.29882812,
         0.0135498 ,  0.06542969, -0.02661133,  0.13378906, -0.22070312,
        -0.15332031, -0.2265625 , -0.15722656, -0.00512695,  0.12011719,
        -0.18457031,  0.10498047,  0.34570312,  0.19140625,  0.02416992,
         0.34375   ,  0.13378906,  0.08447266, -0.20703125, -0.15527344,
        -0.0112915 , -0.24902344,  0.01226807,  0.08398438, -0.50390625,
        -0.03564453,  0.18261719, -0.11181641, -0.04858398,  0.14355469,
        -0.25      , -0.15234375,  0.06005859, -0.10595703,  0.09277344,
         0.08007812, -0.18847656, -0.08496094,  0.07958984, -0.01312256,
        -0.12109375, -0.08544922, -0.36132812,  0.14453125, -0.00346375,
         0.3046875 ,  0.04174805,  0.03662109,  0.28515625, -0.08984375,
         0.296875  , -0.04296875, -0.21972656,  0.16503906,  0.16113281,
        -0.25390625,  0.01672363, -0.37109375, -0.14941406,  0.05078125,
        -0.2109375 ,  0.39257812, -0.40820312, -0.57421875, -0.25976562,
         0.16601562, -0.15625   ,  0.32226562, -0.3828125 ,  0.140625  ,
        -0.01239014,  0.18847656,  0.11669922,  0.36132812, -0.35742188,
         0.33984375, -0.17675781,  0.2734375 ,  0.04370117, -0.50390625,
        -0.09033203,  0.00958252, -0.14453125, -0.29101562, -0.1640625 ,
        -0.13085938, -0.09570312, -0.07275391,  0.20117188,  0.32617188,
         0.01538086, -0.22949219, -0.03198242, -0.01409912, -0.12988281,
        -0.27929688, -0.08349609, -0.1875    , -0.00964355, -0.27539062,
         0.04150391, -0.14648438, -0.13476562, -0.19824219, -0.07666016,
         0.19042969,  0.3515625 , -0.19628906, -0.24804688, -0.00582886,
        -0.0390625 ,  0.04833984, -0.20410156, -0.3125    ,  0.19042969,
         0.35546875,  0.33984375, -0.35546875, -0.234375  , -0.04907227,
         0.01226807, -0.02246094, -0.08154297, -0.14550781,  0.51171875,
        -0.25390625, -0.07470703, -0.2265625 , -0.25585938,  0.19726562,
         0.03637695, -0.07373047, -0.01037598,  0.2265625 , -0.02770996,
         0.06054688,  0.22167969, -0.13867188,  0.4140625 ,  0.10644531,
        -0.41796875,  0.25195312, -0.28515625,  0.05419922,  0.10058594,
        -0.25390625, -0.10058594,  0.02612305,  0.09521484, -0.1953125 ],
       dtype=float32),
 'video': array([-2.23388672e-02, -4.54711914e-03, -1.00097656e-01,  4.9804
6875e-02,
        -1.15234375e-01,  1.63085938e-01, -7.51953125e-02, -7.51953125e-02,
         1.50390625e-01, -9.81445312e-02, -1.55273438e-01, -2.61718750e-01,
         5.17578125e-02,  1.04492188e-01, -5.24902344e-02, -1.06933594e-01,
        -1.19628906e-02, -1.49414062e-01, -7.17773438e-02, -2.65625000e-01,
         2.53906250e-01,  1.21582031e-01, -9.52148438e-02,  6.22558594e-02,
        -6.25000000e-02, -1.39648438e-01, -1.19140625e-01,  5.10253906e-02,
         2.59765625e-01, -7.66601562e-02, -6.15234375e-02,  1.75781250e-01,
        -1.74804688e-01, -1.68945312e-01, -7.47070312e-02, -1.43554688e-01,
```

```
-5.68847656e-02,  6.73828125e-02,  1.02050781e-01, -4.90722656e-02,
 4.90722656e-02,  1.74804688e-01,  1.08886719e-01,  9.81445312e-02,
-1.52343750e-01, -7.32421875e-02,  6.44531250e-02, -6.93359375e-02,
 1.82617188e-01, -4.95605469e-02, -5.44433594e-02, -1.43432617e-02,
 2.20703125e-01, -9.13085938e-02,  1.73339844e-02, -4.76074219e-02,
 2.63671875e-02,  1.59179688e-01,  8.25195312e-02,  7.32421875e-02,
 1.61132812e-02,  1.82617188e-01, -1.90429688e-01,  2.59765625e-01,
-1.98242188e-01,  1.38671875e-01, -1.90429688e-01,  1.12915039e-02,
 1.79687500e-01,  2.61718750e-01, -2.71484375e-01,  6.17675781e-02,
-1.07421875e-01,  1.25000000e-01,  1.38671875e-01,  1.89208984e-02,
 2.50000000e-01,  4.17480469e-02,  6.93359375e-02, -4.63867188e-02,
 1.88476562e-01,  1.06811523e-02,  9.03320312e-02, -9.37500000e-02,
 1.29882812e-01, -1.88476562e-01,  2.62451172e-02,  2.75390625e-01,
-1.22070312e-01, -2.83203125e-02, -5.93261719e-02,  6.98242188e-02,
-7.76367188e-02, -7.76367188e-02,  1.16577148e-02, -1.46484375e-01,
 9.37500000e-02,  1.30859375e-01,  1.50390625e-01,  1.47460938e-01,
 2.36816406e-02,  1.47460938e-01, -1.03515625e-01,  3.02734375e-02,
 7.17773438e-02,  8.74023438e-02,  3.18359375e-01, -7.37304688e-02,
 8.11767578e-03, -8.20312500e-02,  7.76367188e-02,  1.77734375e-01,
-9.57031250e-02,  9.81445312e-02,  8.00781250e-02, -1.78710938e-01,
-1.21093750e-01, -2.38281250e-01,  1.47460938e-01, -1.48010254e-03,
-1.15234375e-01, -3.49609375e-01, -1.18652344e-01, -1.08398438e-01,
 1.79687500e-01, -1.95312500e-01, -3.16406250e-01,  8.30078125e-02,
 5.46264648e-03,  8.39843750e-02, -3.95507812e-02,  4.88281250e-02,
-9.47265625e-02,  1.30004883e-02,  8.11767578e-03, -6.63757324e-04,
 5.24902344e-02, -5.17578125e-02, -2.96875000e-01, -3.17382812e-02,
 1.02539062e-01, -1.00097656e-01,  1.84570312e-01,  1.62109375e-01,
-1.27929688e-01, -1.69921875e-01,  2.85156250e-01, -1.57470703e-02,
 4.76074219e-02,  2.72216797e-02, -4.15039062e-02,  4.29687500e-01,
 1.57470703e-02, -1.01074219e-01,  6.00585938e-02, -1.65039062e-01,
 4.29687500e-02, -1.35742188e-01,  1.81884766e-02,  1.02050781e-01,
-1.83593750e-01, -3.03649902e-03, -1.22070312e-01,  2.59765625e-01,
-9.17968750e-02,  1.16699219e-01,  1.08398438e-01, -7.17773438e-02,
-7.42187500e-02, -2.36816406e-02,  1.74804688e-01, -8.88671875e-02,
-1.01928711e-02, -2.38281250e-01, -1.03027344e-01, -2.55126953e-02,
 3.87573242e-03, -3.83300781e-02, -6.49414062e-02,  1.60156250e-01,
 2.80761719e-02, -1.85546875e-01, -9.47265625e-02, -3.51562500e-01,
 3.39843750e-01,  3.20312500e-01, -2.37304688e-01, -8.78906250e-02,
-9.03320312e-02,  8.34960938e-02,  2.19726562e-01,  8.83789062e-02,
-6.25000000e-02, -2.67578125e-01, -2.16064453e-02,  1.75781250e-01,
 3.49121094e-02, -1.85546875e-01,  5.43212891e-03, -5.98144531e-02,
-2.90527344e-02,  1.56250000e-01, -1.27929688e-01,  1.15234375e-01,
 1.01074219e-01, -1.93359375e-01,  4.41894531e-02,  3.63769531e-02,
-2.91015625e-01,  2.01171875e-01, -2.33398438e-01,  2.46093750e-01,
-4.02832031e-02, -1.28906250e-01, -1.25976562e-01,  1.01928711e-02,
-3.19824219e-02, -3.27148438e-02, -2.17773438e-01, -1.64062500e-01,
 1.69921875e-01, -5.07812500e-02, -2.35595703e-02, -3.18359375e-01,
-4.27246094e-02, -7.86132812e-02, -1.55273438e-01,  2.24609375e-01,
 1.49414062e-01, -1.41601562e-01,  1.96456909e-04, -2.94921875e-01,
 3.10058594e-02,  1.86157227e-03,  2.61230469e-02, -6.03027344e-02,
 1.19628906e-01, -1.76757812e-01,  2.15820312e-01,  2.71484375e-01,
 7.12890625e-02,  9.08203125e-02,  8.59375000e-02, -1.47460938e-01,
-5.63964844e-02, -2.27050781e-02,  1.66992188e-01,  3.02734375e-01,
 2.02148438e-01, -1.68945312e-01,  1.75781250e-01,  6.22558594e-02,
-1.43554688e-01,  4.90722656e-02,  2.06298828e-02, -8.88671875e-02,
 1.25122070e-02, -2.83203125e-01,  2.09960938e-02, -1.44531250e-01,
-1.01562500e-01,  1.03515625e-01,  1.25000000e-01, -1.00585938e-01,
 1.41601562e-01,  3.20312500e-01, -3.46679688e-02,  6.78710938e-02,
-3.02734375e-01,  8.83789062e-02,  1.88476562e-01,  2.02148438e-01,
 1.73828125e-01,  3.32031250e-02,  2.39257812e-01, -1.46484375e-01,
-1.11328125e-01, -6.54296875e-02,  7.50732422e-03,  7.47070312e-02,
-6.83593750e-02,  6.83593750e-02, -5.05371094e-02,  1.18164062e-01,
-2.57812500e-01,  2.17285156e-02, -5.12695312e-02,  1.03027344e-01,
 3.12500000e-01,  2.67578125e-01, -1.24511719e-01, -3.63769531e-02,
```

```
        -2.46582031e-02, -3.66210938e-02, -1.22558594e-01, -2.55859375e-01,
         2.04101562e-01, -1.79687500e-01, -1.21582031e-01, -9.08203125e-0
2],
       dtype=float32),
 'recorder': array([ 1.26953125e-02, -3.73046875e-01, -1.79687500e-01, -3.5
9375000e-01,
        -1.39648438e-01, -2.08007812e-01, -1.94335938e-01,  1.49414062e-01,
         3.33984375e-01,  2.72216797e-02, -1.34765625e-01, -2.16796875e-01,
        -8.25195312e-02,  4.34570312e-02,  3.47656250e-01,  2.46093750e-01,
         3.43750000e-01,  3.90625000e-01, -3.22265625e-02, -4.10156250e-01,
        -4.73632812e-02, -2.51464844e-02, -5.39062500e-01, -6.34765625e-02,
        -5.41992188e-02, -1.59179688e-01, -2.47070312e-01,  2.24609375e-02,
         1.18652344e-01, -1.61132812e-01, -1.71875000e-01, -5.61523438e-02,
        -1.49414062e-01, -1.42578125e-01, -1.85546875e-01, -3.39843750e-01,
        -7.51953125e-02,  2.02148438e-01, -9.47265625e-02, -1.28906250e-01,
         1.38671875e-01, -2.50244141e-02,  2.73437500e-01, -1.02539062e-01,
         1.90429688e-01,  2.47802734e-02,  8.97216797e-03,  1.21093750e-01,
         1.19140625e-01,  1.42578125e-01, -2.18750000e-01, -2.59765625e-01,
         1.81640625e-01, -3.24218750e-01, -2.04101562e-01,  2.65625000e-01,
        -2.33398438e-01, -2.44140625e-01, -2.61230469e-02, -2.24609375e-01,
        -4.95605469e-02,  4.54101562e-02, -2.33398438e-01,  1.69921875e-01,
        -6.03027344e-02, -2.05078125e-02, -1.25000000e-01,  3.08593750e-01,
         1.37695312e-01, -5.76171875e-02,  2.57812500e-01,  1.26342773e-02,
         4.16015625e-01, -1.70898438e-01, -1.44531250e-01,  3.18359375e-01,
         2.37304688e-01, -2.15820312e-01,  2.09960938e-01, -2.55859375e-01,
         3.43750000e-01,  4.27246094e-02,  1.83593750e-01, -6.68945312e-02,
        -7.22656250e-02,  2.10937500e-01, -1.73339844e-02,  6.25000000e-02,
        -9.47265625e-02,  1.48437500e-01, -1.78710938e-01,  4.46777344e-02,
        -1.44531250e-01, -5.12695312e-02,  2.91015625e-01, -2.48046875e-01,
         2.13867188e-01,  1.90429688e-01, -1.33789062e-01, -8.10546875e-02,
        -3.43750000e-01, -1.94335938e-01,  1.04492188e-01,  1.37695312e-01,
        -1.01562500e-01,  2.32421875e-01,  4.10156250e-02,  1.66015625e-01,
         7.81250000e-02,  1.24359131e-03,  2.36328125e-01,  9.86328125e-02,
        -1.04003906e-01, -1.37695312e-01, -1.87500000e-01,  1.82617188e-01,
        -2.77343750e-01, -7.17773438e-02,  1.29882812e-01, -6.17675781e-02,
        -1.09252930e-02, -1.25976562e-01,  1.40991211e-02,  1.76757812e-01,
         1.92382812e-01, -1.74804688e-01, -3.49609375e-01, -2.77343750e-01,
         2.89062500e-01,  9.76562500e-02,  3.68652344e-02, -2.13623047e-02,
        -1.72851562e-01, -3.63769531e-02,  5.39062500e-01,  5.67626953e-03,
        -3.24218750e-01, -1.75781250e-01,  2.94189453e-02,  1.59179688e-01,
         9.37500000e-02, -2.16796875e-01,  1.16699219e-01, -1.19018555e-02,
        -9.57031250e-02, -1.98242188e-01, -1.28906250e-01,  2.02636719e-02,
         6.86645508e-03, -2.38281250e-01,  1.00585938e-01,  2.79296875e-01,
        -2.20703125e-01,  3.30078125e-01,  1.99218750e-01,  7.17773438e-02,
        -2.00195312e-02,  1.20117188e-01, -3.01513672e-02,  9.96093750e-02,
        -3.65234375e-01,  1.16210938e-01,  9.42382812e-02,  2.23632812e-01,
        -4.73632812e-02,  6.15234375e-02,  5.42968750e-01,  1.78710938e-01,
        -1.38671875e-01, -4.29687500e-01,  1.72851562e-01,  2.24609375e-02,
        -1.33789062e-01,  1.18164062e-01,  1.72851562e-01, -3.69140625e-01,
        -3.47656250e-01, -4.62890625e-01, -1.11816406e-01, -1.79443359e-02,
        -8.88671875e-02, -6.68945312e-02, -1.28906250e-01, -3.65234375e-01,
         2.55859375e-01,  2.77343750e-01, -1.94335938e-01, -6.22558594e-02,
        -2.44140625e-01,  3.30078125e-01, -3.18359375e-01,  3.98437500e-01,
        -3.73046875e-01,  9.22851562e-02, -1.53320312e-01,  5.03906250e-01,
         1.11816406e-01, -1.53320312e-01, -1.55273438e-01,  2.50000000e-01,
        -2.85156250e-01, -1.07910156e-01, -3.76953125e-01,  1.74804688e-01,
        -7.27539062e-02, -2.18750000e-01, -4.39453125e-02, -1.33789062e-01,
         2.15820312e-01,  2.42187500e-01, -4.24804688e-02,  1.96289062e-01,
        -8.30078125e-02, -8.48388672e-03, -1.94091797e-02, -6.44531250e-02,
         8.49609375e-02, -1.26953125e-01,  1.17675781e-01, -1.26953125e-01,
        -1.05468750e-01,  2.91015625e-01, -8.74023438e-02,  2.14843750e-01,
        -5.31250000e-01, -2.61718750e-01, -9.33837891e-03, -5.46875000e-02,
        -1.79687500e-01, -3.59375000e-01,  9.17968750e-02, -2.57812500e-01,
        -2.07519531e-02, -3.18359375e-01, -2.19726562e-01,  3.88183594e-02,
```

```
        -2.43164062e-01, -4.80468750e-01,  1.72851562e-01, -4.34570312e-02,
         1.23046875e-01, -2.32421875e-01,  1.83593750e-01, -4.73632812e-02,
        -5.44433594e-02, -3.20312500e-01, -1.20117188e-01, -1.47460938e-01,
         4.43359375e-01, -2.96875000e-01, -4.82177734e-03,  2.81250000e-01,
        -2.09960938e-01, -2.67578125e-01, -9.08203125e-02,  1.00097656e-01,
         1.47460938e-01, -2.55859375e-01,  5.03906250e-01, -4.23828125e-01,
        -2.25585938e-01,  4.23828125e-01, -1.61132812e-01,  7.22656250e-02,
        -7.17773438e-02,  2.14843750e-01, -8.78906250e-03, -3.17382812e-02,
        -1.92382812e-01,  5.12695312e-02, -1.53320312e-01, -3.53515625e-01,
         5.37109375e-02,  1.97265625e-01, -8.05664062e-02,  1.42211914e-02,
         1.96289062e-01, -1.76757812e-01, -3.55468750e-01, -1.17187500e-01,
         1.20117188e-01, -6.29882812e-02,  2.05078125e-01, -5.05371094e-02,
        -1.18164062e-01,  1.26953125e-01,  2.61718750e-01, -1.82617188e-01,
         2.51953125e-01,  2.28515625e-01, -1.68457031e-02, -1.70898438e-02,
         8.05664062e-02,  1.78710938e-01, -9.42382812e-02, -3.20312500e-01,
         4.83398438e-02, -1.56250000e-01,  4.66918945e-03,  2.26974487e-0
4],
       dtype=float32),
 'box': array([-0.09619141, -0.03759766, -0.33398438,  0.13378906,  0.09521
484,
        -0.08496094, -0.0480957 , -0.02233887,  0.07519531,  0.06201172,
        -0.05151367, -0.31054688, -0.07861328, -0.20800781, -0.01965332,
        -0.06787109, -0.01239014, -0.01843262, -0.12255859,  0.18457031,
         0.24023438,  0.00071335, -0.19824219, -0.00378418,  0.07519531,
        -0.15429688,  0.10791016,  0.03295898, -0.01965332,  0.14160156,
        -0.20800781, -0.08154297, -0.10693359, -0.12597656, -0.03857422,
        -0.20605469, -0.05664062,  0.17089844, -0.3125    ,  0.0625    ,
         0.2421875 , -0.15820312,  0.15917969, -0.22265625,  0.15527344,
         0.10253906, -0.11035156,  0.21386719,  0.02587891,  0.07226562,
        -0.09130859, -0.00750732, -0.03039551, -0.00976562, -0.0859375 ,
        -0.05102539,  0.36914062, -0.16699219, -0.10107422,  0.10693359,
        -0.29296875, -0.09033203,  0.0291748 ,  0.18847656, -0.09863281,
        -0.12890625, -0.04125977, -0.17871094,  0.21289062,  0.09375   ,
         0.17773438,  0.14550781,  0.25      , -0.13183594, -0.25976562,
        -0.02832031,  0.02856445,  0.00537109,  0.15722656, -0.05224609,
        -0.14550781, -0.10449219, -0.17871094, -0.00860596,  0.10644531,
        -0.15917969,  0.04467773, -0.21484375,  0.06884766,  0.10742188,
         0.07861328,  0.22265625,  0.0559082 , -0.16894531, -0.05395508,
         0.00634766, -0.07080078,  0.04003906, -0.19433594,  0.36914062,
         0.15917969, -0.13085938,  0.2890625 , -0.09472656, -0.13476562,
        -0.15234375, -0.01373291, -0.03759766, -0.02636719, -0.25195312,
        -0.07519531,  0.14550781, -0.13964844, -0.04858398,  0.2109375 ,
         0.34570312, -0.15234375, -0.04760742,  0.04370117,  0.14648438,
        -0.13574219,  0.04833984, -0.0859375 ,  0.10009766, -0.17675781,
        -0.0546875 , -0.203125  ,  0.37109375,  0.11083984, -0.18457031,
         0.06689453, -0.11816406, -0.1328125 , -0.02392578,  0.27148438,
         0.13671875,  0.00318909, -0.09375   ,  0.04858398, -0.03149414,
         0.05078125, -0.0007019 ,  0.01757812,  0.01611328,  0.04931641,
        -0.20703125,  0.13574219,  0.05541992,  0.04541016,  0.13671875,
         0.29882812,  0.24414062, -0.25585938,  0.3984375 , -0.00389099,
         0.05761719, -0.16015625,  0.06030273,  0.06079102,  0.05029297,
        -0.3671875 , -0.05957031,  0.16503906, -0.09277344,  0.00415039,
        -0.19628906,  0.26953125,  0.08935547, -0.33007812, -0.01818848,
        -0.32226562,  0.00506592, -0.00457764,  0.10791016, -0.24023438,
        -0.05249023,  0.11816406, -0.21289062, -0.17773438,  0.296875  ,
        -0.30664062,  0.15332031, -0.01489258,  0.12890625,  0.19921875,
        -0.08691406, -0.06689453,  0.16894531, -0.1875    ,  0.4296875 ,
        -0.05908203, -0.07958984, -0.03637695,  0.05932617, -0.13671875,
         0.03759766,  0.00509644, -0.12695312, -0.43554688, -0.02636719,
        -0.20410156, -0.13085938, -0.33984375,  0.12402344,  0.19433594,
        -0.07617188,  0.19042969,  0.09179688, -0.07128906,  0.2265625 ,
         0.00370789,  0.19042969, -0.26367188,  0.2578125 , -0.33984375,
         0.0144043 , -0.06933594,  0.02209473, -0.44335938,  0.11523438,
        -0.27929688, -0.00848389, -0.04516602,  0.20898438, -0.22070312,
```

```
        -0.01080322,  0.04589844, -0.11425781, -0.07177734, -0.359375  ,
         0.11669922, -0.2265625 , -0.06884766, -0.15234375,  0.01586914,
         0.30273438, -0.08544922, -0.11621094,  0.14941406, -0.20410156,
         0.125     , -0.20605469,  0.15820312, -0.17089844,  0.15234375,
        -0.0123291 , -0.20800781, -0.0145874 ,  0.25390625, -0.08740234,
        -0.14550781, -0.07373047,  0.26953125,  0.16503906, -0.01263428,
         0.0035553 , -0.30273438, -0.20605469, -0.25976562, -0.24023438,
        -0.18652344,  0.18457031, -0.20507812, -0.05639648,  0.02307129,
         0.171875  ,  0.08789062,  0.00799561, -0.04516602, -0.16113281,
        -0.14453125, -0.03759766, -0.04223633, -0.24316406,  0.01239014,
         0.40039062,  0.09130859, -0.375     , -0.03173828,  0.08105469,
        -0.09228516, -0.13769531,  0.03015137,  0.07275391, -0.07714844,
         0.13378906,  0.06445312, -0.10009766, -0.00485229, -0.08740234,
        -0.04711914, -0.01269531, -0.06079102,  0.2734375 ,  0.18554688,
        -0.21289062,  0.19726562, -0.0859375 , -0.265625  , -0.10058594],
       dtype=float32),
 'supply': array([-0.21289062, -0.08544922,  0.02624512, -0.07275391,  0.05
444336,
        -0.09130859, -0.06445312, -0.21386719, -0.02001953,  0.22070312,
        -0.19628906,  0.05957031, -0.24804688,  0.23535156, -0.48242188,
         0.02026367,  0.01373291,  0.02844238,  0.01831055, -0.20019531,
        -0.09033203, -0.02062988, -0.08447266,  0.28515625,  0.15234375,
         0.02160645,  0.00958252, -0.0402832 ,  0.04516602,  0.00254822,
         0.18554688, -0.15039062, -0.15722656, -0.06884766, -0.10107422,
         0.02612305, -0.03515625, -0.01574707,  0.04199219, -0.06347656,
        -0.13769531,  0.14550781,  0.01538086, -0.15527344, -0.07373047,
        -0.00292969,  0.05834961,  0.08447266, -0.34960938,  0.10449219,
         0.04223633, -0.20507812,  0.02319336, -0.26953125,  0.19921875,
        -0.26171875, -0.0625    ,  0.15820312,  0.15820312, -0.11572266,
         0.03466797,  0.10351562,  0.00738525,  0.04296875,  0.12255859,
        -0.06396484, -0.11083984, -0.04150391, -0.10302734,  0.1875    ,
         0.13476562, -0.31054688,  0.0625    , -0.11962891, -0.22070312,
        -0.05541992, -0.14160156, -0.10742188,  0.11279297, -0.0222168 ,
         0.20703125,  0.09814453, -0.13085938,  0.05615234, -0.05004883,
        -0.01269531, -0.28710938,  0.24023438,  0.08544922,  0.07177734,
         0.14355469,  0.1953125 ,  0.00512695, -0.01049805, -0.1484375 ,
        -0.20996094, -0.10839844,  0.01092529,  0.21289062,  0.18066406,
         0.02868652, -0.10253906, -0.12402344, -0.15820312,  0.2421875 ,
        -0.26953125, -0.16796875,  0.00267029, -0.17871094,  0.07958984,
        -0.14453125, -0.18652344, -0.27734375, -0.05517578, -0.12255859,
        -0.02380371, -0.13574219,  0.02722168,  0.30273438, -0.06884766,
        -0.07226562, -0.03564453, -0.140625  , -0.140625  , -0.00491333,
         0.13769531, -0.12792969, -0.03344727, -0.05444336, -0.12060547,
         0.08251953,  0.12988281, -0.03198242,  0.02966309, -0.09326172,
         0.14746094,  0.13574219, -0.11767578,  0.08154297,  0.04907227,
         0.16894531, -0.18164062, -0.00279236,  0.22070312, -0.16503906,
        -0.02929688, -0.06933594, -0.00335693, -0.24707031, -0.09521484,
        -0.00500488, -0.13769531,  0.21582031,  0.0078125 ,  0.08544922,
        -0.16015625, -0.02514648, -0.21875   , -0.32421875, -0.20996094,
        -0.07324219, -0.0625    , -0.17089844, -0.05419922, -0.01062012,
         0.08544922, -0.00704956, -0.19921875,  0.19042969, -0.07177734,
        -0.5       ,  0.24414062,  0.09619141, -0.0234375 ,  0.00283813,
        -0.28515625,  0.05883789, -0.40039062, -0.328125  ,  0.19335938,
        -0.16992188,  0.05249023, -0.00317383, -0.12988281,  0.0612793 ,
        -0.08056641, -0.03930664,  0.04394531, -0.13867188,  0.30078125,
        -0.18847656, -0.01239014, -0.05224609,  0.04345703, -0.29882812,
        -0.21386719, -0.203125  , -0.10302734, -0.01953125, -0.41601562,
         0.12402344,  0.15820312, -0.01000977, -0.04711914, -0.10009766,
         0.01928711, -0.02490234, -0.33007812,  0.09912109, -0.09179688,
        -0.24511719, -0.14746094, -0.01794434,  0.10498047,  0.28125   ,
        -0.02807617,  0.35546875, -0.04760742, -0.30078125,  0.42578125,
         0.08691406,  0.01660156,  0.09960938,  0.27539062,  0.09277344,
         0.09814453, -0.22558594, -0.14941406,  0.09130859,  0.03393555,
        -0.09082031,  0.19335938,  0.12353516, -0.19628906, -0.02844238,
```

```
         0.01245117,  0.09423828, -0.07910156, -0.1328125 , -0.01782227,
        -0.11181641,  0.26171875,  0.01226807,  0.09130859,  0.07568359,
         0.11035156,  0.11865234, -0.09472656, -0.05029297,  0.01660156,
        -0.15039062,  0.00726318, -0.06787109,  0.25390625, -0.11083984,
        -0.02722168,  0.09375   , -0.15136719, -0.14355469,  0.25      ,
        -0.06835938, -0.35546875, -0.06884766,  0.02050781,  0.03466797,
         0.14453125, -0.12255859, -0.14648438,  0.19335938,  0.14160156,
         0.16601562,  0.02648926,  0.05175781, -0.02905273,  0.05859375,
        -0.08642578, -0.12402344, -0.06396484, -0.05908203,  0.08984375,
        -0.04663086, -0.06591797,  0.3046875 , -0.01660156,  0.17089844,
        -0.012146  , -0.13378906,  0.03491211, -0.02062988,  0.02001953,
         0.00793457, -0.09619141, -0.12207031,  0.02868652,  0.28515625,
         0.046875  , -0.20117188, -0.05493164,  0.06640625, -0.24804688],
       dtype=float32),
 'etc': array([-8.25195312e-02,  2.25830078e-02, -6.68945312e-02,  1.533203
12e-01,
        -2.38281250e-01,  1.25976562e-01,  7.91015625e-02,  4.82177734e-03,
        -7.76367188e-02, -1.07421875e-02, -1.60156250e-01, -2.27539062e-01,
        -2.47070312e-01,  1.60156250e-01, -1.45507812e-01,  1.65039062e-01,
         1.92382812e-01,  1.57226562e-01, -1.48437500e-01, -1.32812500e-01,
        -4.90722656e-02, -1.41601562e-01,  5.71289062e-02, -3.08837891e-02,
         1.35498047e-02, -5.68847656e-02, -2.79296875e-01, -3.19824219e-02,
        -1.06445312e-01, -5.83496094e-02, -4.44335938e-02, -1.73828125e-01,
        -6.88476562e-02, -3.61328125e-02, -2.30468750e-01, -2.73437500e-02,
        -2.06298828e-02, -2.55126953e-02,  1.12792969e-01, -9.61914062e-02,
         1.19140625e-01, -3.49121094e-02,  2.69531250e-01,  3.93066406e-02,
         4.85839844e-02, -4.95605469e-02, -1.09863281e-01, -1.76757812e-01,
         2.17285156e-02, -9.96093750e-02, -7.12890625e-02,  7.47070312e-02,
         1.40991211e-02, -8.98437500e-02,  9.27734375e-03, -6.22558594e-03,
        -4.54711914e-03, -3.36914062e-02,  4.29687500e-01, -7.91015625e-02,
        -6.64062500e-02, -1.47460938e-01, -2.19726562e-01, -2.09960938e-01,
         2.75878906e-02, -1.00585938e-01, -1.35742188e-01, -1.40380859e-02,
        -2.18750000e-01, -2.43164062e-01,  1.85546875e-02,  1.96289062e-01,
         8.98437500e-02,  2.15820312e-01, -4.00390625e-01, -1.05957031e-01,
        -1.02539062e-01,  7.81250000e-02, -8.74023438e-02, -1.66015625e-02,
        -2.14843750e-01,  1.50390625e-01,  1.22070312e-03, -1.76757812e-01,
         4.54101562e-02, -1.38854980e-03, -2.72216797e-02,  4.34570312e-02,
         3.11279297e-03,  2.89062500e-01,  3.88183594e-02,  1.30859375e-01,
        -7.27539062e-02, -2.55859375e-01,  1.26953125e-01,  1.16699219e-01,
         8.74023438e-02, -3.89099121e-03,  2.57812500e-01,  9.96093750e-02,
        -8.30078125e-03,  2.37304688e-01, -1.26342773e-02,  7.03125000e-02,
        -6.73828125e-02,  6.04248047e-03, -1.37695312e-01,  1.95312500e-01,
         1.53320312e-01, -1.14746094e-01, -1.96289062e-01, -1.02539062e-01,
         7.81250000e-03, -5.73730469e-02,  9.57031250e-02,  1.33666992e-02,
        -2.72216797e-02, -2.91748047e-02,  2.96630859e-02,  1.40625000e-01,
        -7.81250000e-02,  3.58886719e-02, -6.39648438e-02,  4.07714844e-02,
         8.88671875e-02,  1.39648438e-01, -2.91015625e-01,  1.32812500e-01,
         4.45556641e-03, -1.27929688e-01,  2.39257812e-02, -3.00292969e-02,
        -1.08642578e-02, -1.21093750e-01, -1.17675781e-01, -7.91015625e-02,
        -1.59179688e-01, -1.13525391e-02, -9.86328125e-02, -5.21850586e-03,
         2.29492188e-01,  9.33837891e-03,  4.80957031e-02,  2.96630859e-02,
         1.05468750e-01, -7.61718750e-02,  1.26953125e-02, -1.09863281e-02,
         3.11279297e-02,  7.08007812e-02,  8.30078125e-03, -7.17773438e-02,
        -7.91015625e-02, -1.42578125e-01, -1.62109375e-01, -2.53906250e-01,
        -1.38671875e-01,  1.61132812e-01, -4.46777344e-02, -9.42382812e-02,
         7.56835938e-02, -3.90625000e-02, -2.18750000e-01,  1.66992188e-01,
         2.97851562e-02, -4.51660156e-02, -2.71484375e-01, -2.92968750e-03,
        -1.70898438e-01, -5.37109375e-02, -4.19921875e-01,  6.25000000e-02,
         3.06396484e-02, -1.03759766e-02, -7.95898438e-02,  1.75781250e-02,
         2.13867188e-01, -4.74609375e-01,  1.98242188e-01, -4.63867188e-02,
        -9.47265625e-02,  4.88281250e-02, -7.35473633e-03,  1.51367188e-01,
         9.27734375e-02,  2.13867188e-01,  3.73535156e-02, -7.12890625e-02,
         5.51757812e-02, -5.46875000e-02, -5.67626953e-03, -6.44531250e-02,
        -9.57031250e-02, -6.93359375e-02,  1.71875000e-01, -2.21679688e-01,
```

```
        -1.54296875e-01, -7.66601562e-02,  2.34375000e-02, -8.34960938e-02,
        -5.31005859e-03,  8.98437500e-02, -1.05468750e-01, -2.38281250e-01,
        -4.12597656e-02,  1.40625000e-01, -2.17773438e-01, -2.63671875e-01,
         7.87353516e-03,  1.17187500e-01,  2.57812500e-01, -3.71093750e-02,
        -1.09375000e-01, -1.02050781e-01,  5.68847656e-02,  5.59082031e-02,
         2.32421875e-01, -3.97949219e-02, -1.37695312e-01, -5.63964844e-02,
        -7.22656250e-02, -1.09375000e-01, -5.88378906e-02, -4.05273438e-02,
        -1.47460938e-01,  1.79443359e-02, -4.19921875e-02, -3.95507812e-02,
        -6.83593750e-02, -1.83593750e-01,  8.64257812e-02,  5.15136719e-02,
         4.24804688e-02,  1.12792969e-01,  1.75781250e-02,  6.34765625e-02,
         1.52343750e-01,  8.98437500e-02, -8.96453857e-05,  6.74438477e-03,
        -7.75146484e-03,  1.40625000e-01,  8.54492188e-02,  1.60156250e-01,
         1.84326172e-02,  8.05664062e-02, -2.09960938e-01,  2.65625000e-01,
        -9.17968750e-02, -7.12890625e-02,  3.14453125e-01,  2.48046875e-01,
         1.32812500e-01,  1.37695312e-01,  8.59375000e-02, -1.17675781e-01,
        -9.66796875e-02,  1.25000000e-01,  2.13867188e-01, -1.06933594e-01,
         3.24707031e-02, -1.15356445e-02,  3.08837891e-02, -1.01562500e-01,
        -1.18408203e-02, -1.30615234e-02, -1.46484375e-01,  1.22070312e-01,
         2.12890625e-01, -1.32812500e-01, -2.09960938e-01,  8.00781250e-02,
         3.32031250e-02,  1.03027344e-01,  1.00097656e-01, -4.37011719e-02,
         4.37011719e-02, -8.30078125e-02, -1.70898438e-01,  2.32421875e-01,
        -1.19140625e-01, -6.49414062e-02,  4.07714844e-02,  9.42382812e-02,
         8.88671875e-02,  2.19726562e-01, -2.91748047e-02, -1.13769531e-01,
        -3.67736816e-03,  3.80859375e-02, -1.16210938e-01,  1.18164062e-01,
        -6.10351562e-02,  2.29492188e-02, -2.98828125e-01, -1.87500000e-01,
        -1.37695312e-01, -2.11914062e-01, -1.56250000e-01,  7.51953125e-0
2],
       dtype=float32),
 'office': array([-5.76171875e-02, -1.41601562e-01, -1.98242188e-01, -1.757
81250e-01,
        -1.50146484e-02, -1.54296875e-01, -1.42578125e-01, -2.77099609e-02,
         1.41601562e-01,  1.25976562e-01,  9.61914062e-02,  5.61523438e-02,
         5.93261719e-02, -1.93359375e-01, -5.81054688e-02,  3.49121094e-02,
         3.32031250e-02,  2.17285156e-02,  7.08007812e-02,  7.71484375e-02,
         7.71484375e-02, -7.08007812e-02,  8.25195312e-02,  5.66406250e-02,
        -9.81445312e-02, -2.04101562e-01,  2.09045410e-03, -4.88281250e-02,
        -1.80664062e-01, -1.61132812e-01, -4.05883789e-03, -3.22265625e-02,
        -1.50390625e-01,  8.34960938e-02,  7.20214844e-03, -3.46679688e-02,
         4.17480469e-02, -6.29882812e-02, -4.85229492e-03,  3.36914062e-02,
         2.34375000e-01, -2.13867188e-01, -4.41894531e-02, -3.08227539e-03,
        -2.08007812e-01,  3.29589844e-02, -3.24707031e-02,  8.98437500e-02,
        -2.59765625e-01,  1.23046875e-01,  1.36718750e-01, -1.73828125e-01,
         1.21093750e-01,  1.08886719e-01,  1.73339844e-02,  2.27050781e-02,
        -1.55273438e-01, -8.25195312e-02, -1.11816406e-01,  9.61914062e-02,
        -9.22851562e-02,  9.86328125e-02, -1.10839844e-01,  1.43554688e-01,
         6.56127930e-04,  2.91748047e-02, -1.32812500e-01,  1.00097656e-01,
         3.85742188e-02, -9.96093750e-02,  1.60156250e-01,  2.03125000e-01,
         1.47460938e-01, -2.30712891e-02, -2.75390625e-01,  1.18652344e-01,
         1.77734375e-01,  5.78613281e-02,  3.32031250e-02, -2.01416016e-02,
         3.24707031e-02, -6.25000000e-02, -6.59179688e-02,  4.71191406e-02,
        -1.22558594e-01,  5.15747070e-03, -7.93457031e-03, -1.20605469e-01,
         8.30078125e-02,  1.11328125e-01,  1.42578125e-01, -1.55273438e-01,
         5.15747070e-03, -2.91015625e-01, -2.72216797e-02,  6.59179688e-02,
         6.00585938e-02,  8.25195312e-02,  9.27734375e-03,  4.73632812e-02,
        -6.34765625e-02, -2.87109375e-01,  7.56835938e-02,  5.83496094e-02,
         1.90429688e-01, -1.76757812e-01, -2.19726562e-02, -1.75781250e-01,
         8.54492188e-02, -1.46484375e-01, -1.11816406e-01, -3.95507812e-02,
        -3.04687500e-01, -4.39453125e-02,  7.76367188e-02,  8.78906250e-02,
        -7.76367188e-02,  4.34570312e-02,  2.23632812e-01, -3.00292969e-02,
        -3.59375000e-01, -1.18164062e-01, -6.44531250e-02,  9.96093750e-02,
        -1.37695312e-01,  2.66113281e-02, -1.64985657e-04,  1.70898438e-01,
         3.96484375e-01,  2.66113281e-02,  1.12304688e-01, -4.39453125e-01,
        -1.36718750e-02, -4.68750000e-02,  4.54101562e-02, -1.52343750e-01,
        -2.75390625e-01, -1.36718750e-02, -1.57470703e-02,  1.16210938e-01,
```

```
        -8.20312500e-02, -5.83648682e-04, -9.76562500e-02, -2.52685547e-02,
        -2.84423828e-02, -1.48925781e-02, -1.13769531e-01, -6.93359375e-02,
        -5.05371094e-02,  2.48046875e-01,  3.24218750e-01,  2.26562500e-01,
         1.32812500e-01,  1.78710938e-01,  1.23535156e-01, -8.74023438e-02,
        -4.68750000e-02, -9.66796875e-02, -2.03857422e-02, -4.82177734e-03,
        -1.50390625e-01,  1.12792969e-01, -5.44433594e-02, -6.39648438e-02,
        -4.73632812e-02,  5.76171875e-02, -6.78710938e-02,  7.81250000e-02,
        -1.32812500e-01, -8.11767578e-03, -7.56835938e-02,  1.94091797e-02,
         1.40625000e-01, -2.88085938e-02, -7.17773438e-02, -2.34375000e-01,
         1.23046875e-01,  3.80859375e-02,  4.61425781e-02,  2.08740234e-02,
        -3.80859375e-01,  1.99218750e-01, -2.77343750e-01, -1.59179688e-01,
         2.47802734e-02, -8.49609375e-02,  1.55273438e-01,  2.25585938e-01,
         5.73730469e-02,  2.10937500e-01, -1.37939453e-02,  4.00390625e-02,
        -4.39453125e-02,  2.53906250e-01, -2.16064453e-02,  1.36718750e-01,
         5.83496094e-02,  2.94189453e-02,  6.44531250e-02,  1.87500000e-01,
        -3.69140625e-01,  1.90429688e-01,  1.73828125e-01, -1.52587891e-02,
         6.12792969e-02, -1.66015625e-01,  2.71484375e-01,  1.54296875e-01,
        -8.49609375e-02, -3.07617188e-02,  1.08886719e-01, -1.25000000e-01,
        -1.29882812e-01,  9.70458984e-03, -1.80664062e-01,  1.39648438e-01,
        -1.88476562e-01,  6.98242188e-02, -2.25585938e-01,  1.12792969e-01,
         5.22460938e-02,  5.02929688e-02, -2.11914062e-01,  7.95898438e-02,
        -1.22070312e-02, -4.63867188e-02, -3.00781250e-01,  1.68945312e-01,
         2.06298828e-02,  2.49023438e-02,  2.48046875e-01,  1.19628906e-01,
        -2.59765625e-01, -3.22265625e-01, -9.66796875e-02,  3.24707031e-02,
        -3.83300781e-02,  2.13623047e-03, -3.07617188e-02,  5.71289062e-02,
         1.03515625e-01, -6.10351562e-03,  1.50390625e-01, -3.46679688e-02,
         4.85839844e-02, -1.66015625e-01, -2.28271484e-02, -1.15722656e-01,
         2.22656250e-01, -1.26953125e-01, -1.90429688e-01,  1.66015625e-02,
         4.83398438e-02,  1.25000000e-01, -1.99218750e-01,  8.97216797e-03,
        -1.40625000e-01, -2.02636719e-02,  2.16064453e-02, -1.25976562e-01,
        -8.74023438e-02,  3.01513672e-02, -5.32226562e-02,  1.02050781e-01,
         2.17773438e-01,  2.12890625e-01,  1.09863281e-01, -6.39648438e-02,
        -7.42187500e-02, -1.20117188e-01,  1.79687500e-01,  8.05664062e-02,
         1.58691406e-02, -2.13867188e-01, -1.46484375e-01, -1.11816406e-01,
         1.65039062e-01, -1.28906250e-01,  4.78515625e-02, -3.93066406e-02,
        -1.29882812e-01, -6.07910156e-02, -2.96630859e-02,  3.06640625e-01,
         4.71191406e-02,  2.33398438e-01, -1.05468750e-01, -1.26953125e-02,
        -8.85009766e-04, -2.78320312e-02, -3.41796875e-01, -4.85839844e-02,
         2.57568359e-02,  7.47070312e-02,  7.08007812e-03, -1.22558594e-01,
         7.56835938e-02, -8.25195312e-02, -2.69531250e-01, -1.18652344e-0
1],
       dtype=float32),
 'additional': array([ 0.07763672, -0.21484375,  0.07080078,  0.05688477, -
0.16601562,
         0.06298828,  0.01348877, -0.06445312, -0.09912109, -0.03295898,
        -0.21582031,  0.06005859,  0.1328125 ,  0.04052734, -0.1640625 ,
         0.01098633, -0.20898438, -0.03369141, -0.10839844,  0.14355469,
         0.01025391, -0.12988281, -0.21972656, -0.03198242, -0.20703125,
         0.04663086, -0.109375  , -0.03369141, -0.04907227, -0.04956055,
         0.05493164, -0.09765625, -0.05297852, -0.10400391, -0.07373047,
        -0.34179688,  0.11523438, -0.19238281,  0.00306702, -0.00646973,
         0.25390625,  0.04199219,  0.18066406, -0.12597656, -0.13378906,
        -0.32421875,  0.08789062, -0.08056641, -0.06176758, -0.14941406,
         0.28125   ,  0.06347656, -0.109375  , -0.05493164, -0.18847656,
        -0.11914062, -0.11035156, -0.04101562,  0.22753906, -0.10888672,
        -0.12695312, -0.09228516, -0.19238281, -0.04223633,  0.02282715,
        -0.03735352, -0.171875  ,  0.00759888, -0.06298828,  0.03051758,
         0.06982422, -0.02062988,  0.01208496,  0.15136719, -0.06982422,
        -0.0612793 ,  0.16503906,  0.03149414, -0.07373047,  0.01123047,
         0.07763672, -0.02478027, -0.27929688,  0.07421875, -0.07080078,
        -0.02709961,  0.01733398,  0.36132812, -0.00604248,  0.125     ,
         0.24023438,  0.02294922, -0.04638672, -0.08886719,  0.04516602,
        -0.03344727,  0.12402344,  0.30664062, -0.05664062, -0.03564453,
         0.14257812, -0.13964844, -0.01190186, -0.25585938, -0.13476562,
```

```
        -0.01269531, -0.02941895, -0.14355469,  0.12109375, -0.05493164,
         0.06225586, -0.05053711,  0.12695312, -0.05688477,  0.0279541 ,
         0.04052734,  0.04077148,  0.12109375,  0.24023438,  0.12988281,
         0.13867188, -0.03125   , -0.10888672,  0.25      ,  0.07910156,
        -0.00104523, -0.01074219,  0.05664062,  0.10595703,  0.32421875,
         0.07617188,  0.02478027, -0.23535156,  0.00248718,  0.09375   ,
        -0.09521484,  0.1640625 , -0.16113281,  0.10791016,  0.23144531,
        -0.00958252, -0.01757812, -0.07226562,  0.17675781,  0.20410156,
        -0.09863281, -0.10351562,  0.0100708 , -0.2265625 ,  0.01171875,
        -0.06396484,  0.01745605,  0.10107422, -0.1796875 ,  0.10693359,
        -0.12695312, -0.1640625 , -0.03588867, -0.19335938,  0.20019531,
         0.10742188, -0.03857422, -0.00512695,  0.04980469,  0.00299072,
        -0.00976562,  0.05078125,  0.16015625,  0.19921875, -0.12792969,
        -0.02746582, -0.07666016,  0.02026367, -0.00534058,  0.08154297,
        -0.14648438, -0.20410156,  0.05639648, -0.09472656, -0.06884766,
        -0.31835938,  0.03515625,  0.05493164, -0.04614258,  0.01037598,
        -0.01696777,  0.20605469, -0.00402832,  0.25585938,  0.12304688,
        -0.1953125 , -0.1015625 , -0.05981445, -0.25585938, -0.20898438,
         0.01965332,  0.14257812, -0.11865234, -0.05688477, -0.14257812,
        -0.08544922,  0.23535156,  0.05908203,  0.12060547,  0.03125   ,
         0.05981445, -0.08984375, -0.01495361,  0.20800781,  0.19140625,
         0.02587891, -0.02258301, -0.08154297,  0.12695312,  0.04370117,
         0.17675781,  0.30078125,  0.07128906,  0.03466797, -0.10253906,
        -0.04931641,  0.09228516,  0.05932617, -0.12597656,  0.12011719,
        -0.06787109, -0.07910156,  0.13183594, -0.00958252, -0.12304688,
        -0.02783203,  0.11962891, -0.04931641,  0.02246094, -0.18554688,
        -0.09863281,  0.05688477, -0.1015625 ,  0.05175781,  0.03833008,
        -0.1953125 ,  0.10888672,  0.07861328,  0.00201416, -0.05834961,
        -0.05834961, -0.07177734,  0.05688477,  0.01159668, -0.07324219,
         0.203125  ,  0.12988281, -0.22265625, -0.02905273, -0.03088379,
        -0.03442383,  0.23242188, -0.04711914, -0.30078125,  0.08447266,
         0.06591797,  0.03833008, -0.22265625,  0.0859375 , -0.01721191,
         0.0246582 ,  0.03564453,  0.02624512, -0.17578125, -0.16015625,
         0.30859375, -0.05615234,  0.04833984, -0.09863281,  0.20605469,
         0.09521484,  0.10595703, -0.21484375,  0.15625   ,  0.16796875,
        -0.16113281,  0.02001953, -0.05126953, -0.05712891, -0.2734375 ,
         0.14648438, -0.07177734,  0.08154297,  0.27148438, -0.04638672,
         0.08544922,  0.05786133,  0.10595703,  0.01507568, -0.03540039,
         0.24609375, -0.00376892,  0.00543213, -0.13769531, -0.20214844],
       dtype=float32),
 'unlimited': array([ 0.0222168 , -0.38867188, -0.02319336,  0.40625   , -
0.00842285,
         0.10546875, -0.06445312, -0.14550781,  0.16601562,  0.05224609,
        -0.17675781,  0.13574219, -0.19921875, -0.36328125, -0.05102539,
         0.17675781,  0.4375    ,  0.28320312,  0.04907227, -0.140625  ,
        -0.13183594,  0.14257812, -0.23925781,  0.45898438, -0.06176758,
        -0.01226807, -0.02514648,  0.34960938, -0.03149414, -0.140625  ,
         0.06298828, -0.12011719,  0.05834961,  0.04418945, -0.02526855,
        -0.20214844, -0.20996094, -0.37890625, -0.12792969,  0.3046875 ,
         0.15234375,  0.05224609,  0.49414062,  0.05566406, -0.32226562,
        -0.43164062,  0.3359375 , -0.08935547, -0.01989746, -0.23242188,
         0.11914062, -0.07714844, -0.05859375,  0.2578125 , -0.07421875,
         0.03271484, -0.22363281, -0.29101562, -0.02539062,  0.02270508,
         0.078125  ,  0.10791016,  0.07763672, -0.14746094,  0.18066406,
        -0.44335938, -0.23144531,  0.25976562,  0.04589844,  0.07128906,
        -0.08544922, -0.01586914,  0.15917969,  0.03540039,  0.01867676,
        -0.36132812, -0.06445312,  0.11865234,  0.00454712,  0.05859375,
         0.03271484,  0.04199219, -0.19335938,  0.04223633, -0.07617188,
        -0.12011719, -0.09179688,  0.25390625,  0.15429688,  0.25976562,
        -0.24511719, -0.10595703, -0.11865234, -0.18457031, -0.01312256,
         0.26171875, -0.00708008,  0.4296875 ,  0.13476562, -0.06689453,
         0.01062012,  0.11914062,  0.01293945, -0.20898438, -0.06835938,
         0.10839844,  0.359375  , -0.07910156,  0.12988281,  0.21875   ,
         0.14648438, -0.01483154,  0.06689453, -0.16210938,  0.29296875,
```

```
        -0.01190186,  0.03063965, -0.0480957 ,  0.17675781,  0.15234375,
         0.22949219, -0.203125  ,  0.25      ,  0.42578125,  0.10302734,
         0.01647949,  0.25976562, -0.0546875 ,  0.06445312,  0.16796875,
        -0.12353516,  0.13574219, -0.1328125 ,  0.04614258, -0.06689453,
        -0.46484375,  0.15820312,  0.17578125,  0.10400391, -0.24609375,
        -0.07421875, -0.04516602, -0.02319336,  0.43359375,  0.12597656,
        -0.24316406, -0.14648438,  0.04541016, -0.01550293,  0.14746094,
         0.26367188, -0.03833008, -0.10839844, -0.41601562,  0.49023438,
        -0.10253906,  0.08300781, -0.07177734, -0.47851562,  0.02075195,
        -0.01635742,  0.01293945,  0.16015625, -0.15332031, -0.08251953,
        -0.17382812, -0.00866699, -0.11816406,  0.01538086, -0.36132812,
        -0.26953125, -0.00927734, -0.05200195,  0.15429688, -0.12304688,
        -0.171875  , -0.08935547, -0.23046875, -0.08544922, -0.11962891,
        -0.46875   , -0.04467773,  0.04736328,  0.08984375,  0.28125   ,
        -0.15527344,  0.140625  ,  0.04467773, -0.0112915 ,  0.29101562,
        -0.05371094,  0.00378418, -0.17089844,  0.0234375 , -0.25      ,
        -0.10351562, -0.27734375, -0.11181641, -0.24414062, -0.19140625,
         0.05957031,  0.04370117,  0.15136719, -0.2890625 ,  0.17675781,
         0.44726562, -0.15527344, -0.26757812, -0.234375  , -0.04370117,
        -0.01312256,  0.07275391,  0.11083984, -0.09619141,  0.28125   ,
         0.19824219,  0.24121094, -0.29882812, -0.44335938, -0.10986328,
         0.04199219,  0.14257812,  0.03295898, -0.33203125,  0.1953125 ,
         0.31640625, -0.02294922,  0.1171875 , -0.01281738, -0.05761719,
        -0.13183594, -0.34960938,  0.10449219,  0.08447266,  0.04296875,
         0.03320312,  0.03588867, -0.07714844, -0.18652344,  0.17578125,
         0.01269531,  0.25195312, -0.08935547,  0.16210938,  0.13671875,
         0.06738281, -0.28320312,  0.07519531, -0.03149414, -0.16796875,
         0.125     ,  0.3203125 , -0.11621094,  0.36328125, -0.14550781,
         0.171875  , -0.00289917, -0.29101562, -0.22265625, -0.17285156,
         0.03686523, -0.02429199, -0.2109375 , -0.14746094, -0.13378906,
        -0.19726562, -0.16796875,  0.0859375 , -0.23535156, -0.24609375,
         0.06982422,  0.33203125, -0.14160156, -0.10351562,  0.11816406,
         0.12353516,  0.28515625,  0.08105469,  0.01879883, -0.17382812,
        -0.30273438,  0.375     ,  0.17089844,  0.05419922, -0.20410156,
        -0.01574707,  0.30859375,  0.21679688,  0.23242188,  0.03039551,
         0.16113281, -0.03930664, -0.00878906, -0.09375   , -0.20019531,
        -0.1640625 ,  0.13183594, -0.10986328, -0.17871094, -0.06445312],
       dtype=float32),
 'vacation': array([ 2.63671875e-01, -2.07519531e-02, -2.67578125e-01,  1.5
7226562e-01,
         5.88378906e-02,  1.39770508e-02,  1.70898438e-01, -3.67187500e-01,
         2.25585938e-01, -2.28271484e-02,  3.51562500e-01, -2.45666504e-03,
        -1.97265625e-01,  2.04101562e-01,  1.36718750e-01, -1.15356445e-02,
         1.29882812e-01,  1.43554688e-01, -2.67333984e-02,  5.54199219e-02,
        -4.22363281e-02,  2.06054688e-01,  3.78417969e-02,  1.52343750e-01,
        -1.21093750e-01,  1.40625000e-01,  1.90429688e-01, -3.11279297e-02,
         1.59179688e-01,  1.34765625e-01, -5.07812500e-02,  8.30078125e-02,
        -1.21093750e-01,  4.10156250e-01, -1.17187500e-01, -3.32031250e-01,
        -1.89208984e-02, -2.61718750e-01,  4.19921875e-02,  9.42382812e-02,
         3.10058594e-02, -7.86132812e-02,  3.84765625e-01, -2.51464844e-02,
        -1.40625000e-01, -3.78906250e-01, -2.40478516e-02,  2.05078125e-02,
        -6.59179688e-02,  1.16210938e-01,  1.63085938e-01,  1.05957031e-01,
         2.21679688e-01,  3.08593750e-01,  6.25000000e-02,  1.12304688e-02,
        -1.73828125e-01,  6.12792969e-02, -7.95898438e-02, -8.93554688e-02,
         5.46875000e-02,  6.65283203e-03,  1.09252930e-02,  1.39648438e-01,
        -8.83789062e-02,  1.00708008e-02, -3.02734375e-01, -1.92382812e-01,
        -3.93066406e-02, -1.19628906e-01,  2.20703125e-01, -1.21582031e-01,
         1.25122070e-02,  1.36718750e-01,  3.38745117e-03,  2.08984375e-01,
        -2.11914062e-01, -1.10839844e-01,  3.54003906e-02,  1.41601562e-01,
         1.49414062e-01,  3.73535156e-02, -1.85546875e-01,  1.92382812e-01,
        -8.69140625e-02,  1.32812500e-01, -2.38281250e-01,  1.06933594e-01,
         8.39843750e-02,  7.56835938e-02,  3.02734375e-02,  4.32128906e-02,
        -2.48046875e-01, -1.19140625e-01, -1.50390625e-01, -1.88476562e-01,
         2.04101562e-01, -2.36816406e-02,  2.12890625e-01, -1.25976562e-01,
```

```
        -1.80664062e-02, -3.00781250e-01,  1.05957031e-01,  1.92382812e-01,
         4.10156250e-01,  6.73828125e-02,  2.50000000e-01, -2.03125000e-01,
        -2.91748047e-02,  2.92968750e-02, -2.89306641e-02,  4.44335938e-02,
         2.34375000e-01, -4.56542969e-02,  2.61718750e-01, -2.61718750e-01,
         4.08203125e-01, -1.92382812e-01,  7.47070312e-02, -2.06298828e-02,
        -3.84765625e-01, -2.40234375e-01,  2.92968750e-01,  1.70898438e-01,
         4.19921875e-01,  1.31835938e-01,  1.29882812e-01, -2.89062500e-01,
        -3.24218750e-01,  1.15722656e-01, -2.53906250e-01, -3.08593750e-01,
         7.61718750e-02, -8.74023438e-02, -1.01074219e-01, -2.57812500e-01,
        -1.39648438e-01,  3.69140625e-01,  1.14257812e-01,  1.48437500e-01,
        -6.83593750e-02, -3.80859375e-01,  1.97265625e-01, -8.74023438e-02,
         1.29882812e-01, -3.46679688e-02, -2.55859375e-01,  1.23901367e-02,
         3.93066406e-02,  8.64257812e-02,  2.14843750e-01, -1.25976562e-01,
        -2.94189453e-02, -3.95507812e-02,  1.24511719e-01, -3.39843750e-01,
         1.49414062e-01, -2.42187500e-01, -4.95605469e-02,  1.05468750e-01,
        -1.81640625e-01,  2.28515625e-01, -7.76367188e-02,  2.27539062e-01,
        -1.25122070e-02,  2.89062500e-01, -1.86523438e-01, -1.29882812e-01,
        -8.00781250e-02,  1.56250000e-01,  1.42578125e-01,  1.66015625e-02,
        -1.26953125e-01, -4.85839844e-02, -3.57421875e-01,  3.45703125e-01,
         1.24511719e-01, -2.09960938e-02, -2.79296875e-01,  2.53906250e-01,
        -4.06250000e-01,  3.99780273e-03, -9.37500000e-02,  5.85937500e-02,
         3.14453125e-01, -3.78417969e-02, -1.98242188e-01,  2.78320312e-02,
         5.15625000e-01,  1.77734375e-01,  5.83496094e-02,  1.31835938e-01,
         1.42578125e-01,  3.69140625e-01, -1.64062500e-01,  4.16015625e-01,
         1.91650391e-02,  9.91210938e-02,  1.52343750e-01, -7.32421875e-02,
        -1.04492188e-01,  2.32421875e-01, -8.39843750e-02, -7.22656250e-02,
        -9.57031250e-02, -7.51953125e-02, -1.17187500e-01, -1.28746033e-04,
        -4.71191406e-02, -1.38671875e-01,  1.38671875e-01,  6.49414062e-02,
        -3.65234375e-01,  1.06933594e-01,  8.88671875e-02,  3.33984375e-01,
         1.77734375e-01,  2.10937500e-01, -6.25000000e-02, -1.21582031e-01,
         1.27929688e-01, -1.80664062e-02,  6.54296875e-02, -7.76367188e-02,
        -3.46679688e-02,  9.66796875e-02,  2.61230469e-02,  1.75781250e-01,
        -2.91015625e-01,  2.53906250e-01,  6.64062500e-02, -2.96875000e-01,
        -1.17187500e-01, -3.14453125e-01,  1.99218750e-01,  1.97265625e-01,
         6.07910156e-02, -3.36914062e-02, -3.10546875e-01, -2.50244141e-03,
        -1.35742188e-01,  4.73632812e-02,  5.63964844e-02, -2.25585938e-01,
        -1.36718750e-01,  2.39257812e-01, -2.08984375e-01, -1.63085938e-01,
         2.69531250e-01, -2.22656250e-01, -1.54296875e-01,  1.62109375e-01,
         1.13769531e-01,  1.85394287e-03, -1.66015625e-01,  3.78417969e-02,
         9.91210938e-02, -1.20117188e-01,  9.66796875e-02, -1.39160156e-02,
         8.05664062e-02, -6.17675781e-02, -2.67578125e-01,  1.00097656e-01,
         2.28271484e-02,  6.03027344e-02, -1.75781250e-01,  1.47460938e-01,
        -1.02539062e-01, -8.83789062e-02,  1.19140625e-01,  5.66406250e-01,
        -3.90625000e-02,  8.54492188e-02, -6.00585938e-02, -1.07421875e-01,
         5.32226562e-02, -6.44531250e-02, -1.77734375e-01, -9.76562500e-02,
         6.03027344e-02, -2.63671875e-01, -2.69531250e-01, -5.73730469e-03,
         6.91413879e-05,  1.88476562e-01, -2.32421875e-01,  1.76757812e-01,
        -2.18750000e-01,  6.59179688e-02, -1.44531250e-01, -3.66210938e-02,
        -8.64257812e-02,  4.80957031e-02,  1.08886719e-01,  1.20117188e-01,
        -2.75390625e-01,  5.02929688e-02,  3.69140625e-01, -2.88085938e-0
2],
       dtype=float32),
 'statement': array([-0.16601562,  0.01049805, -0.03857422, -0.31054688,
0.09277344,
         0.1796875 ,  0.17675781, -0.23730469,  0.20898438, -0.12890625,
         0.01300049, -0.01757812,  0.10595703,  0.23339844, -0.23828125,
        -0.07080078, -0.09765625,  0.26367188,  0.01989746, -0.06176758,
         0.21972656,  0.05859375, -0.21582031, -0.24902344,  0.00473022,
         0.01257324, -0.0456543 , -0.00708008, -0.29296875,  0.14355469,
        -0.11474609, -0.16113281, -0.10058594,  0.0177002 ,  0.20605469,
         0.06787109,  0.08642578,  0.20117188,  0.00756836,  0.00646973,
         0.00093079,  0.18652344, -0.09179688,  0.10888672, -0.09326172,
        -0.07324219, -0.1015625 ,  0.12451172, -0.10058594,  0.12353516,
         0.40039062,  0.10986328,  0.11865234,  0.16210938,  0.27734375,
```

```
        -0.09179688, -0.11230469, -0.24511719,  0.00952148, -0.05712891,
        -0.20019531,  0.47265625,  0.08105469,  0.15234375, -0.05053711,
        -0.01660156, -0.18554688,  0.05517578,  0.02368164,  0.01672363,
        -0.09570312, -0.11523438, -0.05419922,  0.02416992,  0.0390625 ,
         0.07421875,  0.13183594,  0.01904297,  0.21679688,  0.13769531,
         0.30664062, -0.15429688, -0.23632812, -0.07519531,  0.18554688,
        -0.13183594, -0.06738281, -0.02880859,  0.04760742,  0.00653076,
         0.28710938, -0.10644531,  0.16308594, -0.05444336, -0.3125    ,
        -0.25390625, -0.18652344,  0.11035156,  0.16503906, -0.29882812,
        -0.22949219,  0.06396484,  0.05053711,  0.02844238,  0.01098633,
         0.12890625, -0.00390625, -0.2421875 , -0.14746094,  0.07226562,
        -0.18652344, -0.203125  , -0.07714844,  0.05737305, -0.13769531,
        -0.11083984, -0.03320312,  0.12255859,  0.33984375,  0.26171875,
        -0.14746094,  0.05102539, -0.1015625 ,  0.11669922,  0.05493164,
        -0.17480469, -0.04101562, -0.24121094,  0.2734375 ,  0.08691406,
        -0.04296875,  0.08300781, -0.0090332 , -0.00427246,  0.04882812,
        -0.08544922, -0.0189209 , -0.06884766, -0.09179688,  0.0625    ,
         0.09375   ,  0.04711914,  0.01391602, -0.12792969, -0.21191406,
         0.06884766,  0.08203125, -0.17285156,  0.11962891,  0.02770996,
        -0.04785156,  0.5       , -0.04907227, -0.06542969,  0.234375  ,
        -0.04199219, -0.046875  ,  0.125     , -0.00205994, -0.04760742,
         0.00358582, -0.04370117,  0.24511719,  0.265625  ,  0.03295898,
        -0.10253906,  0.15625   ,  0.09423828,  0.14941406, -0.1015625 ,
         0.26953125,  0.06396484,  0.10253906, -0.25390625,  0.14355469,
        -0.15234375,  0.34570312,  0.14746094,  0.03173828, -0.19433594,
        -0.10302734, -0.03320312, -0.11279297, -0.04174805,  0.15429688,
        -0.06542969, -0.08447266,  0.07763672, -0.10253906,  0.15429688,
        -0.07666016, -0.07275391, -0.14941406,  0.27734375, -0.04077148,
         0.04711914,  0.02001953,  0.01916504,  0.06689453,  0.06835938,
         0.11035156,  0.04370117,  0.22265625,  0.1953125 , -0.07910156,
         0.02416992,  0.12451172,  0.20117188, -0.0559082 , -0.140625  ,
        -0.04663086,  0.06738281,  0.2734375 ,  0.13476562, -0.10351562,
         0.03808594, -0.01867676,  0.07373047, -0.11621094,  0.04345703,
         0.14746094, -0.12353516, -0.20703125,  0.02807617,  0.14550781,
        -0.20605469,  0.02893066,  0.19628906,  0.18847656,  0.16308594,
         0.18457031,  0.27539062, -0.03686523, -0.11181641,  0.33007812,
         0.19628906,  0.14160156,  0.13378906,  0.18847656, -0.17285156,
        -0.0324707 , -0.06884766, -0.19042969, -0.19335938,  0.07519531,
         0.17382812, -0.03515625,  0.17578125,  0.17578125,  0.18457031,
         0.18457031,  0.05810547, -0.31054688, -0.13378906,  0.21679688,
        -0.36523438, -0.13476562,  0.18066406,  0.07617188, -0.18164062,
         0.19335938, -0.00576782, -0.00082016,  0.18261719,  0.06835938,
         0.421875  ,  0.1171875 , -0.05859375, -0.16113281,  0.13378906,
         0.15332031,  0.19433594,  0.19433594, -0.171875  , -0.00097656,
        -0.01074219,  0.02416992, -0.00665283,  0.13183594,  0.12597656,
        -0.01300049,  0.33203125, -0.3046875 ,  0.03564453,  0.22070312,
         0.0703125 ,  0.25976562,  0.07226562, -0.14648438, -0.06933594,
         0.09423828,  0.08154297,  0.03466797, -0.06738281, -0.07568359,
        -0.08105469,  0.03125   ,  0.04296875, -0.09667969, -0.05688477],
       dtype=float32),
 'intended': array([ 1.55273438e-01,  2.08007812e-01,  2.06054688e-01, -3.3
4472656e-02,
        -1.97265625e-01, -7.61718750e-02,  2.09960938e-01,  8.78906250e-02,
         1.23291016e-02,  5.49316406e-03, -3.75976562e-02, -2.53906250e-02,
        -4.58984375e-02, -2.41699219e-02,  3.83300781e-02, -9.27734375e-02,
        -3.66210938e-02, -4.80957031e-02,  1.11328125e-01, -5.39550781e-02,
         7.66601562e-02,  1.77734375e-01, -1.12792969e-01,  1.56250000e-01,
        -2.91748047e-02, -3.22265625e-01, -8.54492188e-03,  3.12500000e-01,
         3.44238281e-02,  1.11816406e-01,  2.11181641e-02, -2.30468750e-01,
         1.25000000e-01, -2.11914062e-01, -6.25000000e-02,  2.35351562e-01,
        -1.64794922e-02,  4.68750000e-02,  9.86328125e-02, -2.08984375e-01,
        -2.67028809e-03,  1.91406250e-01,  2.26562500e-01, -1.81640625e-01,
         4.44412231e-04, -1.52343750e-01,  7.22656250e-02,  1.06201172e-02,
        -3.46679688e-02,  1.55448914e-04, -2.21679688e-01, -1.19628906e-01,
```

```
 1.15234375e-01,  8.30078125e-02,  4.85839844e-02,  2.91015625e-01,
-2.06054688e-01, -1.83593750e-01,  1.29882812e-01,  1.33789062e-01,
-3.56445312e-02, -8.10546875e-02, -6.88476562e-02, -6.49414062e-02,
-6.93359375e-02,  5.12695312e-02, -1.99218750e-01,  2.91015625e-01,
-7.86132812e-02,  5.88378906e-02,  6.86645508e-03,  6.15234375e-02,
 5.07812500e-02,  1.59179688e-01, -1.85546875e-01,  3.97949219e-02,
 4.34570312e-02,  2.36328125e-01, -1.54296875e-01, -5.83496094e-02,
 1.20605469e-01, -1.72851562e-01, -1.67968750e-01,  1.61132812e-01,
-2.69531250e-01,  3.71093750e-02,  1.80664062e-02,  2.85339355e-03,
 1.24511719e-02, -3.02734375e-02,  1.60156250e-01, -1.82617188e-01,
-2.09808350e-04, -2.81250000e-01,  3.47656250e-01, -2.50000000e-01,
-6.00585938e-02, -1.20605469e-01, -1.56250000e-01,  1.50390625e-01,
 3.02734375e-02,  1.22070312e-01, -1.47460938e-01, -1.08032227e-02,
-1.19140625e-01,  8.98437500e-02, -1.01562500e-01,  5.51757812e-02,
 8.93554688e-02,  5.17578125e-02, -3.80859375e-01,  1.60156250e-01,
-1.50390625e-01,  1.30859375e-01,  1.74804688e-01,  2.57568359e-02,
 6.59179688e-02, -2.81982422e-02,  1.07421875e-01,  1.77734375e-01,
-1.11816406e-01,  9.22851562e-02,  8.54492188e-02, -1.69921875e-01,
 3.44238281e-02, -4.95605469e-02, -1.06811523e-02, -2.53906250e-01,
-6.44531250e-02, -1.70898438e-01, -9.27734375e-02,  1.26953125e-01,
-2.19726562e-01,  1.10351562e-01,  2.55126953e-02, -1.18164062e-01,
-3.56445312e-02,  1.01562500e-01,  2.09960938e-01,  1.89208984e-02,
-6.49414062e-02, -1.97265625e-01,  5.32226562e-02,  3.07617188e-02,
-6.49414062e-02, -6.49414062e-02, -3.16406250e-01, -8.00781250e-02,
 2.41699219e-02, -1.08398438e-01,  7.66601562e-02,  1.18652344e-01,
 1.65039062e-01,  3.61328125e-02, -1.19628906e-01,  2.89306641e-02,
-2.30468750e-01, -3.48091125e-05, -9.13085938e-02, -5.78613281e-02,
 1.02050781e-01,  1.87500000e-01,  1.70898438e-01,  1.95312500e-01,
 9.88769531e-03,  6.22558594e-02,  1.89453125e-01,  2.16796875e-01,
 1.58203125e-01, -2.27539062e-01,  1.78222656e-02, -1.44531250e-01,
-1.83593750e-01, -7.47070312e-02,  1.06933594e-01,  8.49609375e-02,
 2.14843750e-01, -1.76757812e-01, -2.34375000e-01, -3.66210938e-02,
-4.68750000e-02,  1.23291016e-02, -3.58886719e-02, -5.68847656e-02,
 1.19628906e-01, -8.59375000e-02, -6.83593750e-02,  8.20312500e-02,
 3.67187500e-01,  5.54199219e-02, -1.79687500e-01, -5.91278076e-04,
 2.92968750e-01, -2.11914062e-01, -1.16699219e-01,  1.67968750e-01,
 8.39843750e-02,  1.15234375e-01,  1.79687500e-01, -2.75390625e-01,
 1.38671875e-01, -6.10351562e-03, -5.73730469e-03,  3.73046875e-01,
 5.49316406e-02,  1.44531250e-01,  3.22265625e-01,  4.27734375e-01,
-1.50390625e-01, -3.61328125e-02,  3.34472656e-02,  1.43432617e-02,
-9.96093750e-02,  2.77343750e-01,  1.44531250e-01, -8.74023438e-02,
 1.96289062e-01,  2.08007812e-01,  2.16064453e-02,  5.54199219e-02,
 1.40991211e-02, -4.68750000e-02, -4.76074219e-02, -1.49414062e-01,
 9.03320312e-02,  5.00488281e-03,  1.17675781e-01,  2.36328125e-01,
 1.56250000e-02,  5.15136719e-02, -1.21459961e-02,  9.96093750e-02,
 4.85839844e-02,  6.78710938e-02,  4.46777344e-02, -1.35742188e-01,
 1.24511719e-01,  5.71289062e-02,  8.74023438e-02, -2.86865234e-03,
 4.44335938e-02, -1.04003906e-01,  5.81054688e-02, -7.91015625e-02,
-1.22070312e-01,  5.90820312e-02, -7.91015625e-02,  1.12792969e-01,
 3.00781250e-01, -1.15356445e-02, -5.49316406e-03,  7.91015625e-02,
 1.57226562e-01,  1.66015625e-02,  2.39257812e-01,  8.44726562e-02,
-1.43432617e-02, -1.66992188e-01, -1.68945312e-01, -1.04980469e-01,
-3.35937500e-01,  1.25732422e-02, -8.49609375e-02, -9.37500000e-02,
-2.01171875e-01,  1.81884766e-02, -8.36181641e-03, -2.30468750e-01,
-1.05957031e-01, -4.58984375e-02,  5.90820312e-02, -9.27734375e-02,
 2.63671875e-01,  1.73828125e-01,  1.63574219e-02, -2.10937500e-01,
 9.58251953e-03, -1.54296875e-01, -9.94873047e-03,  2.81250000e-01,
-1.37695312e-01,  5.46875000e-02, -5.71289062e-02,  7.03125000e-02,
 8.78906250e-03, -1.04492188e-01, -4.00390625e-02, -6.88476562e-02,
 1.45507812e-01, -1.76757812e-01, -2.65625000e-01, -1.25000000e-01,
-1.06445312e-01, -1.15966797e-02, -1.02050781e-01,  2.38281250e-01,
 1.15722656e-01,  3.36914062e-02,  1.40380859e-03, -2.32421875e-0
1],
       dtype=float32),
```

```
 'describe': array([ 0.109375  , -0.11572266,  0.0612793 ,  0.00286865, -0.
08056641,
         0.125     ,  0.14648438, -0.07763672,  0.27734375, -0.14746094,
         0.03881836, -0.06640625, -0.11572266,  0.37304688,  0.12792969,
         0.18261719,  0.11230469,  0.32421875,  0.06542969, -0.4140625 ,
        -0.07421875,  0.21386719, -0.05737305, -0.05273438,  0.07226562,
        -0.06201172, -0.00182343,  0.19726562,  0.18066406,  0.05908203,
        -0.03149414, -0.04003906, -0.12451172,  0.25195312, -0.2578125 ,
         0.171875  ,  0.03491211, -0.01794434, -0.11767578, -0.06787109,
         0.16503906,  0.27148438, -0.06103516,  0.06835938,  0.01062012,
        -0.07324219, -0.2265625 , -0.03100586, -0.26367188,  0.17089844,
        -0.05053711,  0.02966309, -0.1953125 , -0.15136719,  0.03588867,
         0.14941406, -0.25976562, -0.07275391,  0.29492188,  0.22460938,
        -0.10644531, -0.03417969, -0.16894531, -0.00799561,  0.04077148,
         0.04223633,  0.15136719,  0.27734375,  0.04858398, -0.10791016,
        -0.05053711,  0.17089844,  0.10791016, -0.1953125 ,  0.0201416 ,
        -0.171875  , -0.06396484,  0.00579834, -0.15039062,  0.19824219,
        -0.01257324, -0.01318359, -0.09228516,  0.11523438,  0.02209473,
        -0.0145874 , -0.21582031,  0.14257812, -0.17675781, -0.05834961,
        -0.06982422, -0.00927734, -0.12597656,  0.16308594,  0.34375   ,
         0.01361084,  0.05566406,  0.09326172, -0.04345703,  0.16015625,
        -0.19726562, -0.10009766,  0.01293945,  0.02734375,  0.08740234,
         0.09277344,  0.17675781, -0.18066406, -0.1328125 ,  0.01843262,
        -0.23242188,  0.0402832 ,  0.20605469, -0.09521484,  0.10498047,
        -0.13574219,  0.20898438, -0.06542969,  0.05566406,  0.01855469,
        -0.20214844,  0.03125   , -0.17285156, -0.16992188,  0.06030273,
        -0.11621094, -0.12304688,  0.01782227,  0.08837891, -0.04980469,
         0.05834961, -0.40625   , -0.04833984,  0.13964844,  0.04980469,
         0.08007812, -0.14257812,  0.14257812,  0.14941406, -0.07275391,
         0.1484375 ,  0.01019287, -0.22558594, -0.00994873,  0.003479  ,
        -0.08154297, -0.109375  , -0.02600098, -0.21777344, -0.04711914,
         0.27929688, -0.125     , -0.20800781,  0.25390625,  0.16015625,
         0.10644531, -0.00500488,  0.13476562, -0.10986328, -0.01312256,
         0.04492188,  0.09814453, -0.19433594, -0.31445312,  0.14746094,
         0.16992188,  0.00219727, -0.27539062, -0.02734375,  0.30664062,
         0.10839844, -0.125     , -0.05932617,  0.00958252,  0.0480957 ,
         0.00393677,  0.25585938,  0.13671875, -0.1484375 ,  0.04394531,
         0.1953125 ,  0.05322266,  0.06176758, -0.0625    , -0.18457031,
        -0.15820312, -0.06835938,  0.01428223, -0.203125  ,  0.37109375,
         0.04370117, -0.20214844,  0.14941406, -0.21386719, -0.13574219,
         0.16601562, -0.04003906, -0.18945312, -0.09326172, -0.19726562,
        -0.03344727,  0.02880859, -0.33007812,  0.11865234, -0.33984375,
         0.06347656, -0.15917969,  0.01074219, -0.03979492, -0.12890625,
         0.01531982, -0.1640625 ,  0.06152344, -0.24609375, -0.265625  ,
        -0.35546875,  0.30859375,  0.03222656, -0.1875    , -0.5625    ,
         0.37695312,  0.05175781, -0.04150391,  0.02880859,  0.42773438,
         0.14355469,  0.08105469,  0.10449219,  0.03808594, -0.08642578,
        -0.09863281,  0.02050781,  0.10546875,  0.13085938,  0.38085938,
        -0.01190186,  0.11181641, -0.00335693,  0.10888672, -0.10351562,
        -0.10351562,  0.07763672,  0.04174805,  0.09863281, -0.19042969,
        -0.06445312, -0.09130859,  0.09375   , -0.0559082 ,  0.13476562,
        -0.12158203,  0.12597656,  0.25976562,  0.22460938, -0.16992188,
        -0.13769531, -0.36328125,  0.09326172,  0.11962891, -0.37695312,
        -0.00263977,  0.06396484, -0.10546875, -0.03588867,  0.16503906,
         0.09326172,  0.09179688, -0.140625  ,  0.00933838, -0.11083984,
        -0.04345703, -0.06494141,  0.24511719, -0.09423828,  0.07275391,
        -0.11425781, -0.3125    , -0.13964844, -0.10693359, -0.18261719,
         0.21484375,  0.03173828, -0.1015625 , -0.24511719,  0.07080078,
        -0.21191406, -0.25976562, -0.17089844, -0.12207031,  0.19238281,
        -0.06005859, -0.05273438, -0.12158203,  0.01904297, -0.125     ,
        -0.41796875,  0.29101562,  0.0189209 ,  0.09912109, -0.04589844],
       dtype=float32),
 'nature': array([ 1.38671875e-01,  2.04101562e-01,  2.89306641e-02,  1.533
20312e-01,
```

```
-2.98828125e-01,  7.69042969e-03,  2.77343750e-01, -1.75781250e-01,
 4.85839844e-02, -2.33154297e-02,  1.62109375e-01, -2.79296875e-01,
-2.55859375e-01, -1.31835938e-01,  8.98437500e-02,  1.79687500e-01,
-2.03125000e-01,  1.46484375e-01,  1.50390625e-01, -4.02832031e-02,
-1.76757812e-01, -2.35351562e-01, -1.02050781e-01,  1.98242188e-01,
-3.27148438e-02, -2.45117188e-01,  7.51953125e-02,  1.89453125e-01,
 9.47265625e-02,  2.58789062e-02, -6.44531250e-02,  3.34472656e-02,
-4.85229492e-03,  7.95898438e-02, -1.59179688e-01, -1.96533203e-02,
 6.15234375e-02, -1.06933594e-01,  1.34765625e-01, -2.55126953e-02,
 6.44531250e-02,  1.60156250e-01, -1.44531250e-01,  2.85156250e-01,
-1.40625000e-01, -1.71875000e-01,  3.78417969e-03,  6.54296875e-02,
-7.56835938e-02, -1.76757812e-01, -8.64257812e-02, -5.12695312e-02,
-4.02832031e-02, -4.34570312e-02,  1.06933594e-01,  2.77343750e-01,
 1.31835938e-01, -2.67578125e-01, -9.57031250e-02,  4.12597656e-02,
 7.53784180e-03,  4.83398438e-02,  1.04492188e-01, -1.15722656e-01,
-2.55859375e-01, -1.26953125e-01, -1.56250000e-02,  3.04687500e-01,
-1.36718750e-01, -4.76074219e-02,  1.03515625e-01, -5.34667969e-02,
-7.11059570e-03, -4.34570312e-02,  4.19921875e-02, -1.20849609e-02,
 1.85546875e-01, -2.31933594e-02,  4.41894531e-02,  1.58203125e-01,
-3.11279297e-03, -7.51953125e-02,  1.83593750e-01, -2.46093750e-01,
 3.83300781e-02, -1.69921875e-01, -2.69531250e-01,  1.92382812e-01,
 6.91413879e-05, -1.29882812e-01,  1.80664062e-01,  1.23046875e-01,
-1.00585938e-01, -4.83398438e-02,  2.19726562e-01, -2.71606445e-03,
-1.83593750e-01, -1.07421875e-01,  4.12597656e-02, -1.21582031e-01,
-1.17675781e-01,  1.44531250e-01,  6.29882812e-02,  1.34765625e-01,
-2.73132324e-03, -6.03027344e-02, -5.24902344e-02,  8.25195312e-02,
-1.85546875e-01, -9.37500000e-02, -1.96289062e-01,  2.86865234e-03,
 1.04492188e-01, -3.49121094e-02,  1.37695312e-01, -2.01416016e-03,
 6.64062500e-02, -2.29492188e-01,  1.03027344e-01,  3.67187500e-01,
-1.12792969e-01,  4.17480469e-02,  8.54492188e-02,  2.83203125e-01,
-6.49414062e-02,  2.55859375e-01, -1.97265625e-01, -5.46875000e-02,
-4.80957031e-02, -1.13281250e-01, -9.61914062e-02, -7.71484375e-02,
-1.20605469e-01, -4.85839844e-02, -1.10839844e-01, -1.02050781e-01,
 7.47070312e-02, -6.29882812e-02,  6.39648438e-02, -4.88281250e-02,
 1.99218750e-01,  1.50756836e-02,  8.93554688e-02,  2.08007812e-01,
-9.96093750e-02, -5.37109375e-03, -2.77099609e-02, -5.29785156e-02,
-2.21679688e-01,  2.88085938e-02,  1.13769531e-01,  6.64062500e-02,
-9.47265625e-02,  4.68750000e-02, -5.12695312e-02, -1.41601562e-01,
 1.39648438e-01, -1.28906250e-01,  6.39648438e-02,  2.17285156e-02,
 1.11816406e-01,  7.03125000e-02, -2.42919922e-02, -4.66308594e-02,
-1.59179688e-01,  1.88476562e-01,  3.66210938e-02, -1.58203125e-01,
-1.13769531e-01,  1.38671875e-01,  1.24511719e-02, -1.04003906e-01,
-3.39355469e-02, -1.95312500e-02,  1.27929688e-01, -1.78222656e-02,
-9.13085938e-02, -5.15136719e-02, -1.64062500e-01, -1.66015625e-01,
-8.49609375e-02, -4.63867188e-02,  2.47070312e-01, -2.24609375e-01,
-1.91406250e-01,  2.01416016e-02, -4.00390625e-02,  9.47265625e-02,
 1.05957031e-01,  3.33984375e-01, -3.36914062e-02, -5.27954102e-03,
 3.12500000e-02,  3.63769531e-02, -1.55273438e-01,  2.19726562e-02,
-4.80957031e-02,  5.46875000e-02, -2.11181641e-02,  3.58886719e-02,
 4.02832031e-02,  1.71875000e-01, -1.52343750e-01, -2.29492188e-02,
-4.56542969e-02,  2.05078125e-02,  1.54296875e-01,  3.02734375e-02,
-2.53906250e-01, -3.83300781e-02, -2.31445312e-01, -7.71484375e-02,
 1.03027344e-01,  4.49218750e-02, -9.21630859e-03, -9.66796875e-02,
 1.77734375e-01,  1.17187500e-01, -1.61132812e-01, -1.00097656e-01,
 2.42187500e-01,  1.03027344e-01, -2.00195312e-01, -7.86132812e-02,
-7.76367188e-02,  1.16699219e-01,  3.96484375e-01, -4.37011719e-02,
 8.25195312e-02,  2.96875000e-01, -1.00585938e-01,  2.59765625e-01,
-2.02636719e-02, -1.57226562e-01,  2.40234375e-01, -1.78710938e-01,
 1.05957031e-01, -5.66406250e-02,  7.22656250e-02, -5.21850586e-03,
-5.22460938e-02,  1.16210938e-01, -8.88671875e-02, -1.45507812e-01,
 1.76757812e-01,  1.16699219e-01, -1.07421875e-01,  5.34667969e-02,
-4.93164062e-02,  8.25195312e-02,  6.25000000e-02,  1.60156250e-01,
 5.12695312e-02, -5.73730469e-02,  6.78710938e-02, -2.13623047e-03,
 1.07421875e-01, -9.71679688e-02, -8.30078125e-02,  2.07031250e-01,
```

```
         2.41088867e-03, -1.66992188e-01, -2.05078125e-01,  1.95312500e-01,
        -9.27734375e-02,  2.45117188e-01, -2.00195312e-02, -1.50390625e-01,
        -1.45507812e-01,  6.13403320e-03, -1.22070312e-01,  4.83398438e-02,
         9.91210938e-02,  2.59765625e-01,  1.26953125e-01, -8.69140625e-02,
        -8.69140625e-02, -2.39562988e-03, -2.05078125e-01,  1.48437500e-01,
         2.48046875e-01,  5.90820312e-02,  2.10937500e-01, -1.58203125e-01,
         1.87500000e-01, -2.03125000e-01,  1.09252930e-02, -1.18652344e-01,
        -1.11328125e-01,  2.85156250e-01, -2.35351562e-01,  1.78222656e-02,
         1.00585938e-01, -1.78710938e-01, -1.67968750e-01, -8.10546875e-02,
         1.97265625e-01,  8.15429688e-02,  3.95507812e-02, -8.54492188e-0
2],
       dtype=float32),
 'people': array([ 0.26367188, -0.01916504,  0.02893066,  0.234375  , -0.00
787354,
         0.01635742, -0.11279297,  0.06640625,  0.0015564 , -0.0402832 ,
        -0.0246582 , -0.11523438, -0.05615234, -0.05126953, -0.11621094,
         0.05053711, -0.09277344,  0.16113281, -0.10498047,  0.07958984,
        -0.125     , -0.04711914,  0.14257812, -0.17578125,  0.00460815,
        -0.15136719, -0.11621094,  0.07470703,  0.05932617, -0.21289062,
        -0.08544922,  0.21582031, -0.28515625,  0.08349609, -0.02124023,
         0.1171875 , -0.09814453, -0.02185059, -0.17089844,  0.21972656,
         0.01916504, -0.06982422,  0.11474609, -0.08300781,  0.08398438,
        -0.01098633, -0.13476562, -0.09960938, -0.03637695, -0.09863281,
         0.125     , -0.01391602,  0.21972656,  0.0390625 ,  0.05688477,
        -0.1484375 , -0.22070312,  0.00640869, -0.10205078, -0.04589844,
         0.08984375,  0.13378906, -0.14648438, -0.03515625,  0.12890625,
         0.01391602, -0.08642578,  0.29101562,  0.06982422, -0.01586914,
        -0.09912109, -0.0378418 ,  0.11523438,  0.00854492, -0.12597656,
        -0.11621094, -0.08203125,  0.08203125, -0.06933594,  0.22070312,
         0.03039551, -0.12890625,  0.07714844,  0.04199219, -0.18457031,
        -0.02844238, -0.10253906,  0.05810547,  0.02770996, -0.11962891,
         0.10449219, -0.05126953, -0.01507568, -0.22460938,  0.01696777,
        -0.02685547,  0.08203125, -0.13085938,  0.26171875, -0.10009766,
        -0.11669922, -0.09277344,  0.10839844,  0.16503906, -0.01153564,
        -0.04589844, -0.06640625, -0.15917969,  0.2578125 , -0.22753906,
        -0.16503906,  0.05078125,  0.00396729, -0.03076172,  0.03125   ,
        -0.02661133,  0.09960938, -0.14746094,  0.05395508,  0.01574707,
        -0.07324219,  0.21875   , -0.25390625, -0.09277344, -0.10107422,
         0.03320312,  0.08105469,  0.04760742, -0.07568359,  0.09472656,
        -0.16699219, -0.16796875, -0.03759766, -0.05541992,  0.09179688,
        -0.00738525,  0.03173828, -0.08837891, -0.01184082, -0.04907227,
        -0.0133667 , -0.09765625,  0.27148438,  0.07519531,  0.04833984,
         0.09326172,  0.00427246, -0.18847656, -0.18652344, -0.03173828,
         0.21582031, -0.09179688, -0.29101562, -0.10009766,  0.03637695,
         0.00234985, -0.07324219, -0.23730469, -0.14941406, -0.03271484,
        -0.14160156,  0.203125  , -0.19335938,  0.12109375,  0.07958984,
        -0.07226562,  0.00891113,  0.20117188,  0.35351562, -0.10546875,
        -0.08056641,  0.15136719, -0.02062988,  0.02160645, -0.00054932,
         0.03442383,  0.04174805,  0.10449219, -0.03979492, -0.04443359,
        -0.00726318, -0.01928711, -0.08837891, -0.24121094,  0.0055542 ,
         0.12597656,  0.17773438,  0.14746094,  0.03100586,  0.11279297,
        -0.10888672,  0.10449219,  0.01239014,  0.08496094, -0.05859375,
        -0.05932617,  0.07568359,  0.11230469, -0.27148438, -0.06933594,
         0.04174805,  0.05957031,  0.00939941, -0.03637695, -0.07324219,
        -0.20605469, -0.06103516, -0.14453125, -0.08203125,  0.01635742,
         0.04663086, -0.16210938, -0.02453613,  0.04321289, -0.1796875 ,
        -0.08984375, -0.03222656,  0.17382812, -0.12255859,  0.14648438,
         0.04492188, -0.06640625,  0.05664062, -0.04296875,  0.25      ,
        -0.16601562,  0.13964844,  0.02978516, -0.09375   , -0.06640625,
        -0.00460815,  0.07080078, -0.125     ,  0.12988281, -0.09277344,
        -0.18554688,  0.06542969,  0.12597656,  0.21191406, -0.13085938,
         0.24609375, -0.10498047, -0.15917969, -0.08642578,  0.15820312,
         0.20996094,  0.01306152,  0.21679688, -0.03540039, -0.078125  ,
        -0.0300293 ,  0.11132812, -0.13183594, -0.01611328,  0.00238037,
```

```
        -0.25390625,  0.08837891,  0.05981445, -0.00151062, -0.02368164,
        -0.18457031, -0.33398438,  0.04638672, -0.00178528, -0.17773438,
         0.15527344,  0.09472656,  0.05151367, -0.171875  ,  0.0625    ,
        -0.09619141,  0.09277344,  0.12792969,  0.01123047, -0.09033203,
         0.00343323,  0.07763672, -0.09814453, -0.0100708 , -0.09326172,
        -0.09472656, -0.09130859, -0.08691406,  0.06835938, -0.08496094,
         0.11474609, -0.10742188, -0.20507812,  0.14453125,  0.12255859,
         0.02038574,  0.13183594, -0.25585938, -0.09814453,  0.06884766,
         0.08789062,  0.02111816, -0.06689453,  0.20703125, -0.13867188],
       dtype=float32),
 'exhaustive': array([-0.15429688, -0.08642578, -0.17089844,  0.140625  ,
0.10644531,
        -0.02685547,  0.25      , -0.11816406,  0.39453125, -0.01806641,
         0.03198242,  0.02844238,  0.15722656,  0.17285156,  0.11962891,
         0.47070312,  0.31640625, -0.16503906, -0.08642578, -0.22558594,
        -0.07958984,  0.06933594, -0.55078125,  0.125     , -0.12695312,
        -0.14257812, -0.19335938, -0.171875  ,  0.10693359, -0.20996094,
         0.125     ,  0.1484375 ,  0.06103516,  0.28125   ,  0.06982422,
         0.07080078, -0.12890625, -0.41210938,  0.26757812, -0.37109375,
         0.26953125,  0.05541992, -0.29882812,  0.09179688, -0.12597656,
        -0.13867188, -0.06835938, -0.00115967, -0.21972656, -0.09912109,
         0.24414062,  0.28320312, -0.09521484,  0.04492188, -0.01538086,
         0.23828125,  0.0168457 , -0.4453125 ,  0.05126953,  0.10205078,
         0.04614258,  0.01470947, -0.02429199,  0.00579834,  0.14941406,
        -0.10791016, -0.19824219, -0.02441406,  0.00817871, -0.40429688,
        -0.16894531, -0.09423828,  0.03369141, -0.06176758,  0.05004883,
         0.17578125,  0.12988281, -0.140625  ,  0.13867188, -0.19335938,
        -0.0612793 , -0.05737305,  0.11279297, -0.07373047, -0.17773438,
         0.11523438, -0.02404785,  0.39257812,  0.08740234,  0.08642578,
         0.05493164,  0.02563477, -0.00933838,  0.41210938,  0.07714844,
         0.17871094, -0.05883789,  0.07910156, -0.10449219, -0.01385498,
        -0.21875   , -0.01177979,  0.18164062, -0.10888672, -0.24121094,
        -0.16992188, -0.10742188,  0.17871094,  0.12597656, -0.11914062,
         0.00689697,  0.04125977,  0.10888672, -0.10986328,  0.22558594,
         0.01660156,  0.03369141,  0.0390625 ,  0.34375   ,  0.05273438,
        -0.3984375 ,  0.21582031, -0.30859375, -0.05786133, -0.16308594,
        -0.05541992, -0.11669922, -0.20117188, -0.00778198,  0.2890625 ,
        -0.15527344, -0.19335938, -0.15917969,  0.20898438, -0.18554688,
         0.22167969,  0.08300781,  0.00848389,  0.00543213,  0.10693359,
        -0.06347656,  0.22167969, -0.27929688,  0.05981445,  0.20507812,
         0.05932617, -0.19433594,  0.15917969, -0.09619141, -0.18847656,
        -0.11328125, -0.11816406,  0.05029297, -0.03466797,  0.27148438,
        -0.21191406,  0.05004883, -0.26757812, -0.02453613, -0.01965332,
        -0.16113281,  0.03442383,  0.14160156, -0.03515625,  0.12451172,
        -0.0612793 ,  0.1875    , -0.07128906, -0.05517578, -0.32617188,
         0.2109375 ,  0.00671387, -0.07128906, -0.18847656,  0.12792969,
        -0.15429688,  0.04492188,  0.09814453, -0.02148438, -0.18847656,
        -0.23242188, -0.19824219,  0.04663086,  0.02038574,  0.14941406,
         0.37890625,  0.14550781,  0.07421875,  0.08642578,  0.20214844,
         0.00552368, -0.09082031,  0.14648438, -0.265625  ,  0.01831055,
         0.04638672,  0.07226562, -0.13183594, -0.0612793 , -0.25      ,
         0.24902344,  0.453125  , -0.17285156,  0.359375  ,  0.24902344,
         0.28710938,  0.15722656, -0.09912109,  0.14941406,  0.11035156,
        -0.140625  ,  0.203125  , -0.203125  , -0.06176758, -0.13964844,
         0.11035156,  0.32226562,  0.36914062,  0.01696777, -0.08496094,
         0.04394531, -0.04077148, -0.328125  ,  0.01452637,  0.20996094,
        -0.08837891,  0.23632812,  0.09375   , -0.20214844, -0.05053711,
         0.25390625, -0.04248047, -0.171875  , -0.10107422, -0.07275391,
         0.04272461,  0.05224609,  0.06591797,  0.23828125, -0.18261719,
        -0.16503906, -0.04370117, -0.18261719, -0.12109375,  0.08837891,
         0.15234375, -0.12988281, -0.41992188, -0.16503906,  0.15429688,
        -0.09130859,  0.13476562, -0.0378418 ,  0.08349609,  0.07275391,
        -0.125     , -0.09814453, -0.3359375 , -0.17578125, -0.01025391,
         0.41796875,  0.00066376,  0.25      , -0.08886719, -0.07275391,
```

```
         0.30664062, -0.22167969, -0.14257812, -0.1484375 , -0.15136719,
         0.3046875 ,  0.14550781,  0.18554688,  0.296875  ,  0.07714844,
        -0.09033203,  0.2734375 , -0.06005859,  0.19921875,  0.14648438,
         0.01025391, -0.07714844, -0.24609375,  0.15234375, -0.07324219,
         0.12109375, -0.15039062,  0.12158203,  0.20214844, -0.27539062,
         0.0703125 , -0.14355469, -0.02905273,  0.47851562, -0.15722656,
        -0.15527344,  0.10058594,  0.32226562, -0.31054688, -0.11621094],
       dtype=float32),
 'list': array([-0.07470703,  0.26171875,  0.08251953, -0.0291748 ,  0.0556
6406,
        -0.30273438, -0.21777344, -0.02783203,  0.21972656, -0.03112793,
         0.06494141, -0.02612305,  0.21777344,  0.12109375, -0.16699219,
         0.12988281,  0.29101562, -0.1640625 , -0.08300781, -0.18945312,
         0.23339844,  0.0255127 , -0.42578125,  0.04858398, -0.07177734,
        -0.04272461,  0.01953125, -0.01165771, -0.07080078, -0.00077057,
         0.06445312, -0.01098633,  0.02172852,  0.04614258, -0.00231934,
        -0.35546875,  0.2890625 ,  0.05273438,  0.0625    , -0.05615234,
         0.27734375, -0.03466797, -0.05493164,  0.10888672,  0.15527344,
        -0.09619141,  0.23242188, -0.12988281, -0.23339844,  0.05297852,
        -0.08154297,  0.01147461, -0.01623535, -0.03686523, -0.01452637,
        -0.10839844,  0.13378906, -0.00601196,  0.04882812,  0.25195312,
        -0.05493164, -0.02722168,  0.06396484,  0.24023438,  0.05737305,
        -0.0037384 , -0.13183594, -0.20605469,  0.05761719, -0.16894531,
         0.01538086,  0.02185059, -0.01989746,  0.04101562,  0.21484375,
        -0.01373291,  0.09472656,  0.17578125,  0.24902344, -0.08740234,
         0.05859375, -0.25390625,  0.10449219, -0.1796875 ,  0.1015625 ,
        -0.08984375, -0.04638672, -0.09521484,  0.24121094, -0.13378906,
         0.17382812,  0.12988281, -0.00349426,  0.0324707 , -0.15234375,
         0.09326172, -0.13476562, -0.13671875, -0.21875   , -0.02282715,
        -0.08154297,  0.23828125, -0.19140625, -0.03393555, -0.01025391,
        -0.02990723, -0.06347656, -0.1015625 ,  0.18359375,  0.10888672,
        -0.01794434, -0.14355469, -0.00759888, -0.09423828, -0.08496094,
        -0.09960938, -0.18554688, -0.02880859,  0.24414062, -0.03515625,
        -0.33984375,  0.31835938, -0.14746094,  0.2109375 , -0.0390625 ,
        -0.13671875,  0.05834961, -0.22949219,  0.03063965,  0.06030273,
         0.18164062, -0.19726562,  0.20703125, -0.24023438, -0.20605469,
        -0.12011719, -0.00561523,  0.08740234,  0.03417969, -0.1484375 ,
         0.04980469,  0.00799561,  0.03393555,  0.0703125 ,  0.48828125,
        -0.11621094,  0.16601562, -0.13769531, -0.16894531,  0.18945312,
        -0.05053711,  0.01092529, -0.09814453,  0.05566406,  0.06933594,
        -0.43554688, -0.16601562, -0.12011719, -0.20703125, -0.25      ,
         0.03173828,  0.03112793, -0.11474609, -0.1171875 ,  0.29492188,
         0.01757812,  0.10839844,  0.01251221, -0.28125   ,  0.06835938,
        -0.21386719,  0.19824219, -0.16894531, -0.24023438, -0.25195312,
        -0.04711914, -0.04663086, -0.17382812,  0.01953125, -0.1484375 ,
        -0.22265625,  0.06591797,  0.21191406,  0.09033203,  0.10253906,
        -0.00604248, -0.35351562,  0.37695312,  0.04980469,  0.04980469,
         0.14453125, -0.05664062, -0.16015625, -0.04418945, -0.0111084 ,
         0.14550781, -0.13476562,  0.03198242, -0.09326172, -0.5703125 ,
         0.10693359,  0.10058594,  0.04077148,  0.06054688, -0.3125    ,
         0.20117188, -0.328125  ,  0.03100586,  0.1796875 , -0.03930664,
        -0.08349609,  0.03881836, -0.16015625, -0.04150391, -0.02124023,
         0.38867188, -0.05395508,  0.34570312, -0.03125   ,  0.03588867,
        -0.10791016,  0.06591797, -0.08154297,  0.02001953,  0.32421875,
        -0.07080078,  0.06347656, -0.01623535, -0.13867188, -0.02587891,
         0.13964844, -0.078125  ,  0.17871094,  0.140625  ,  0.13476562,
         0.0859375 ,  0.16894531, -0.04296875,  0.1328125 , -0.26171875,
        -0.08789062,  0.15917969, -0.07568359, -0.18847656,  0.16308594,
         0.40039062,  0.08789062,  0.00165558, -0.17871094,  0.00289917,
        -0.30078125, -0.00182343, -0.03662109, -0.09863281, -0.06835938,
        -0.09814453, -0.30664062,  0.15917969, -0.18457031, -0.13378906,
         0.28320312,  0.05224609, -0.21289062, -0.05712891,  0.25585938,
         0.24414062, -0.359375  ,  0.28710938, -0.10107422, -0.09521484,
         0.22753906,  0.10302734,  0.30859375,  0.09326172,  0.05200195,
```

```
        -0.05395508,  0.05297852, -0.453125  , -0.09716797,  0.08642578,
         0.08203125, -0.01184082, -0.24316406,  0.09960938, -0.10449219,
         0.12988281, -0.13476562,  0.15039062,  0.27734375, -0.12695312,
         0.36523438,  0.0859375 , -0.265625  , -0.02819824,  0.3125    ,
        -0.16503906,  0.09277344,  0.06640625, -0.03100586,  0.02746582],
       dtype=float32),
 'flexible': array([-2.61718750e-01, -1.22558594e-01, -2.73437500e-01,  2.9
1015625e-01,
        -3.02734375e-02,  4.34570312e-02,  1.64062500e-01,  7.42187500e-02,
         1.04492188e-01, -2.64892578e-02, -3.05175781e-03,  6.00585938e-02,
        -4.83398438e-02, -5.70678711e-03,  5.31005859e-03, -4.95605469e-02,
        -3.78417969e-02,  8.54492188e-02, -8.54492188e-02,  2.34375000e-02,
         8.11767578e-03, -2.33154297e-02, -1.47705078e-02,  4.82421875e-01,
         5.68847656e-02,  8.74023438e-02, -1.25122070e-03, -2.18505859e-02,
         3.68652344e-02, -2.33398438e-01, -7.51953125e-02,  2.09960938e-01,
         2.11181641e-02, -5.88378906e-02,  1.94335938e-01, -2.00195312e-01,
         2.24609375e-01, -7.27539062e-02, -7.76367188e-02, -8.25195312e-02,
         1.79687500e-01, -4.98046875e-02, -4.58984375e-02, -1.01318359e-02,
         2.24609375e-02, -1.21582031e-01, -2.75390625e-01, -6.10351562e-02,
         9.42382812e-02,  2.68554688e-03,  1.65039062e-01, -2.63671875e-01,
        -6.68945312e-02,  3.78417969e-02,  1.12304688e-01,  1.27929688e-01,
        -7.81250000e-02, -3.39843750e-01, -4.91333008e-03,  1.24511719e-02,
        -1.94335938e-01, -1.25976562e-01, -5.74218750e-01, -8.54492188e-02,
         5.29785156e-02, -1.43554688e-01, -2.34375000e-01,  7.12890625e-02,
         1.47705078e-02,  1.20117188e-01,  8.39843750e-02,  1.26953125e-01,
         1.10839844e-01, -7.29370117e-03, -1.57226562e-01, -1.09375000e-01,
         3.06640625e-01,  9.96093750e-02,  1.75781250e-02,  2.91015625e-01,
         1.47460938e-01,  2.16796875e-01, -2.10571289e-03,  2.10937500e-01,
        -1.12915039e-02, -1.31835938e-01, -3.57421875e-01,  3.32031250e-02,
         3.10546875e-01,  2.65625000e-01, -2.18750000e-01, -3.25012207e-03,
        -1.68945312e-01, -9.57031250e-02, -3.27148438e-02, -1.51367188e-01,
        -4.41894531e-02, -7.47070312e-02,  4.68750000e-02, -4.04296875e-01,
        -6.59179688e-02, -2.99072266e-02, -4.12597656e-02, -1.17187500e-01,
        -6.49414062e-02,  2.25067139e-04,  2.32421875e-01, -1.26953125e-01,
         6.83593750e-02, -1.16210938e-01,  1.00097656e-01, -3.51562500e-01,
        -2.75390625e-01, -3.10058594e-02,  1.63085938e-01,  2.60009766e-02,
         2.24609375e-01, -2.39257812e-01,  2.55859375e-01,  8.54492188e-02,
         9.58251953e-03, -1.48437500e-01,  4.82421875e-01,  1.56250000e-01,
         7.95898438e-02, -6.98242188e-02, -6.98242188e-02,  1.17675781e-01,
         7.51953125e-02, -1.17187500e-02,  1.23291016e-02,  1.36718750e-01,
         1.81640625e-01,  7.86132812e-02, -7.26318359e-03, -1.35498047e-02,
         1.20117188e-01,  2.92968750e-02,  1.78222656e-02,  2.73437500e-01,
         1.32812500e-01,  1.12304688e-01, -8.54492188e-02,  4.00390625e-02,
        -5.64575195e-03,  1.18164062e-01, -2.09960938e-01, -3.80859375e-02,
         1.65039062e-01, -9.37500000e-02,  1.76757812e-01, -2.89062500e-01,
         6.25000000e-02, -2.23632812e-01,  8.54492188e-02, -8.93554688e-02,
         6.12792969e-02,  1.30859375e-01,  1.18164062e-01,  2.36816406e-02,
        -7.87353516e-03, -1.26953125e-01, -7.12890625e-02, -5.81054688e-02,
         6.34765625e-03,  1.55273438e-01, -2.19726562e-01, -8.00781250e-02,
        -2.05078125e-01, -8.39843750e-02, -1.07910156e-01, -1.07421875e-01,
        -1.00097656e-01,  6.68945312e-02,  1.66992188e-01,  8.00781250e-02,
         9.03320312e-02, -5.61523438e-02, -4.80468750e-01,  9.57031250e-02,
        -2.18750000e-01, -1.66992188e-01,  1.09863281e-01, -1.32812500e-01,
        -8.15429688e-02, -7.22656250e-02, -2.94189453e-02,  7.32421875e-02,
         8.98437500e-02, -8.23974609e-03, -2.42187500e-01, -8.69140625e-02,
        -7.91015625e-02, -5.39550781e-02, -1.22070312e-01, -8.78906250e-02,
        -4.93164062e-02, -3.14453125e-01, -1.57226562e-01, -2.89062500e-01,
        -1.15234375e-01,  1.04003906e-01, -9.61914062e-02, -6.04248047e-03,
        -3.84765625e-01, -3.33984375e-01, -3.95507812e-02, -1.37695312e-01,
         6.00585938e-02, -7.42187500e-02,  8.48388672e-03,  8.05664062e-02,
         2.83203125e-01,  1.06933594e-01,  7.51953125e-02, -1.56250000e-01,
         3.41796875e-01,  8.25195312e-02, -3.06640625e-01,  5.27343750e-01,
        -1.45874023e-02, -1.45507812e-01, -2.36328125e-01, -8.30078125e-02,
        -3.12500000e-01, -5.15136719e-02, -9.42382812e-02, -2.43164062e-01,
```

```
        -9.57031250e-02,  5.85937500e-02, -1.88476562e-01,  5.44433594e-02,
         2.91015625e-01, -1.73828125e-01,  3.12500000e-02,  4.85839844e-02,
        -3.73046875e-01, -1.75781250e-01, -1.79687500e-01,  2.11181641e-02,
         1.75781250e-01, -8.39843750e-02, -8.78906250e-03, -2.44140625e-01,
         2.53906250e-01, -1.00585938e-01, -4.55078125e-01,  1.57226562e-01,
        -3.06396484e-02, -3.02734375e-01,  2.53906250e-02, -7.32421875e-02,
        -2.71484375e-01,  1.15722656e-01, -9.61914062e-02, -1.06445312e-01,
        -2.14843750e-01, -1.35742188e-01,  1.31835938e-02,  1.56250000e-01,
         3.32031250e-01,  6.88476562e-02, -1.75781250e-01, -1.11694336e-02,
         1.22070312e-01,  8.11767578e-03,  1.14746094e-01, -3.08593750e-01,
        -3.98437500e-01, -9.91210938e-02,  7.08007812e-02,  1.13769531e-01,
        -2.99072266e-03,  4.56542969e-02,  2.57812500e-01, -4.46777344e-02,
        -1.47460938e-01,  6.54296875e-02,  1.16210938e-01,  1.74560547e-02,
        -1.90429688e-01,  3.67187500e-01, -1.10351562e-01,  8.54492188e-02,
         1.39648438e-01,  2.37304688e-01,  5.00488281e-02, -6.12792969e-02,
         1.68945312e-01,  2.31445312e-01, -2.20703125e-01,  1.12792969e-01,
         3.17382812e-02,  6.93359375e-02, -2.40234375e-01,  2.04101562e-01,
         9.03320312e-02,  1.04003906e-01, -1.05957031e-01,  9.52148438e-0
3],
       dtype=float32),
 'spending': array([ 0.17675781,  0.14941406,  0.1015625 ,  0.40625   , -0.
11962891,
        -0.08251953, -0.22558594, -0.22949219,  0.04956055,  0.01226807,
        -0.03637695,  0.09228516, -0.16601562,  0.12011719, -0.234375  ,
         0.07226562,  0.0612793 ,  0.10595703, -0.03344727, -0.00384521,
        -0.04516602,  0.11865234, -0.05688477,  0.1328125 , -0.03466797,
         0.24902344,  0.13769531, -0.05664062, -0.14453125,  0.22070312,
         0.04394531, -0.23828125, -0.00964355, -0.07421875,  0.10400391,
        -0.390625  , -0.05078125,  0.25390625, -0.00976562,  0.15429688,
         0.24707031,  0.05932617,  0.24511719, -0.18066406,  0.03088379,
        -0.02319336,  0.12304688,  0.29492188, -0.30664062,  0.02819824,
         0.27734375,  0.07666016, -0.20800781, -0.05566406,  0.06494141,
        -0.12792969, -0.06738281,  0.17382812, -0.0390625 ,  0.0013504 ,
        -0.08203125,  0.04882812, -0.24511719, -0.32617188,  0.17773438,
        -0.04736328, -0.1015625 , -0.0255127 ,  0.17285156,  0.0133667 ,
        -0.12695312, -0.22558594,  0.07128906,  0.20214844,  0.23144531,
         0.05493164,  0.0859375 , -0.01208496, -0.05859375, -0.00909424,
         0.05639648,  0.12695312, -0.05712891, -0.05200195,  0.07177734,
        -0.14648438, -0.13085938,  0.24511719, -0.09619141,  0.15527344,
         0.15136719, -0.06298828, -0.07373047, -0.31640625,  0.00726318,
        -0.15429688,  0.22851562,  0.12597656, -0.04272461,  0.12207031,
        -0.03759766, -0.10498047,  0.35546875,  0.04296875,  0.20214844,
        -0.20117188,  0.06982422,  0.13183594, -0.1875    , -0.21484375,
         0.15527344, -0.02807617,  0.24707031,  0.02197266,  0.08642578,
         0.203125  ,  0.08496094, -0.0625    ,  0.20605469, -0.14550781,
         0.09619141,  0.20117188, -0.01293945,  0.1796875 ,  0.03979492,
        -0.2578125 ,  0.07421875, -0.13476562, -0.01928711, -0.10205078,
        -0.08837891,  0.02807617, -0.171875  , -0.21386719, -0.2265625 ,
         0.32226562, -0.07373047,  0.13574219,  0.02844238,  0.14550781,
         0.02185059, -0.12597656,  0.02380371,  0.27539062, -0.1171875 ,
        -0.21582031, -0.13085938,  0.18652344,  0.00270081, -0.13769531,
        -0.18164062, -0.02563477,  0.14453125, -0.01043701,  0.11523438,
        -0.10839844, -0.02307129, -0.24121094, -0.09130859, -0.12792969,
         0.05908203,  0.2734375 , -0.01080322, -0.02062988, -0.21972656,
        -0.01251221, -0.19824219, -0.08154297,  0.12988281,  0.24023438,
        -0.23535156, -0.0324707 ,  0.01055908,  0.16992188, -0.17675781,
         0.1953125 ,  0.07080078,  0.14257812, -0.25585938,  0.06079102,
        -0.19042969, -0.03662109, -0.20996094,  0.05322266,  0.05517578,
        -0.421875  , -0.16015625,  0.04516602,  0.17871094, -0.17675781,
         0.27148438, -0.18066406, -0.01544189, -0.03588867, -0.14160156,
         0.23925781,  0.0402832 ,  0.04443359,  0.07421875, -0.1953125 ,
        -0.20996094,  0.19238281, -0.05004883, -0.06738281,  0.05981445,
         0.03857422,  0.04711914, -0.17089844, -0.01507568, -0.22949219,
        -0.27539062,  0.0612793 , -0.0168457 ,  0.20800781, -0.09521484,
```

```
         0.10644531,  0.17773438,  0.28515625, -0.1953125 ,  0.07714844,
        -0.06542969, -0.17382812,  0.16894531, -0.01745605, -0.04248047,
        -0.00119781,  0.1953125 ,  0.02832031,  0.07324219,  0.1953125 ,
         0.01855469,  0.00113678,  0.00762939, -0.14746094,  0.03466797,
         0.09667969,  0.12451172, -0.12255859,  0.10302734, -0.26953125,
         0.01574707,  0.22070312, -0.11474609, -0.22558594, -0.07519531,
        -0.24316406,  0.01446533, -0.05737305,  0.09228516, -0.10693359,
        -0.14550781, -0.05224609, -0.17675781,  0.12255859, -0.1484375 ,
        -0.02038574, -0.02368164, -0.05517578, -0.28125   , -0.19824219,
         0.08544922,  0.10449219,  0.17871094,  0.05151367, -0.37109375,
         0.13574219, -0.33007812,  0.07421875,  0.07128906,  0.37304688,
         0.01599121,  0.14160156,  0.00411987, -0.10009766, -0.0030365 ,
        -0.24609375,  0.0291748 , -0.04174805,  0.04077148, -0.07080078,
         0.23535156, -0.12792969,  0.16210938,  0.32226562, -0.01104736,
         0.07470703,  0.07470703,  0.16796875,  0.40429688,  0.0267334 ,
        -0.24902344, -0.01574707,  0.17480469, -0.11425781, -0.02648926,
        -0.28125   ,  0.2578125 ,  0.07666016,  0.20800781, -0.11328125],
       dtype=float32),
 'account': array([-0.02563477, -0.00460815,  0.03039551, -0.21484375, -0.1
2011719,
         0.19726562,  0.16210938, -0.01361084,  0.26757812, -0.04077148,
         0.04370117, -0.01037598, -0.09228516,  0.02209473,  0.00344849,
         0.0324707 ,  0.02539062,  0.02758789, -0.03930664,  0.0703125 ,
         0.17285156, -0.11035156, -0.00897217, -0.00340271,  0.12011719,
        -0.06933594, -0.37109375, -0.00595093,  0.01080322,  0.16601562,
        -0.36914062, -0.203125  , -0.0067749 ,  0.15039062, -0.08886719,
        -0.22558594,  0.10302734, -0.19140625, -0.02783203,  0.05273438,
         0.16015625, -0.0612793 ,  0.10498047, -0.0390625 ,  0.0402832 ,
        -0.32421875,  0.07910156,  0.14453125, -0.14746094, -0.13867188,
         0.06591797, -0.16601562, -0.07128906, -0.15039062,  0.06103516,
         0.09228516, -0.28125   ,  0.01037598,  0.11621094, -0.296875  ,
        -0.09667969, -0.09570312,  0.12988281,  0.13769531, -0.07568359,
         0.22363281,  0.03063965,  0.03808594,  0.00860596, -0.1484375 ,
        -0.05908203,  0.14355469,  0.4375    , -0.13964844,  0.01312256,
         0.12109375,  0.10107422,  0.13183594,  0.0030365 , -0.04199219,
         0.09667969, -0.18847656,  0.03613281,  0.20800781,  0.04663086,
        -0.01586914, -0.12792969,  0.08203125, -0.14648438, -0.04174805,
         0.18847656,  0.04858398, -0.09619141, -0.35742188, -0.16308594,
        -0.03540039, -0.2890625 ,  0.0546875 ,  0.26367188, -0.13085938,
        -0.09423828, -0.1015625 , -0.1015625 , -0.01757812,  0.0189209 ,
        -0.34179688, -0.29101562, -0.08886719,  0.15820312,  0.125     ,
         0.06542969, -0.29101562, -0.30664062, -0.09033203, -0.04663086,
         0.16308594, -0.24511719,  0.07666016,  0.16308594,  0.21777344,
        -0.20800781, -0.14648438, -0.11865234,  0.1484375 ,  0.16308594,
         0.15429688,  0.02307129,  0.22753906, -0.05322266, -0.07470703,
        -0.12695312, -0.1796875 , -0.16796875,  0.05712891,  0.44335938,
        -0.05639648, -0.42773438, -0.10644531, -0.13476562,  0.01293945,
        -0.06640625,  0.14160156,  0.05249023,  0.02050781, -0.01037598,
         0.03857422,  0.01953125, -0.03491211, -0.20117188,  0.14355469,
         0.12792969,  0.13183594,  0.10498047,  0.13378906, -0.00448608,
        -0.21191406, -0.16210938,  0.11621094, -0.00466919,  0.16992188,
         0.01379395,  0.0546875 ,  0.04077148,  0.00242615, -0.03222656,
         0.0703125 ,  0.06298828,  0.02612305, -0.14453125,  0.14257812,
        -0.08349609,  0.21484375, -0.08349609, -0.13964844, -0.0480957 ,
        -0.140625  ,  0.06005859, -0.17675781, -0.05053711,  0.05615234,
         0.12695312, -0.09667969, -0.13183594, -0.0559082 , -0.07910156,
        -0.45898438,  0.06176758,  0.19921875, -0.203125  ,  0.22753906,
        -0.171875  , -0.14453125, -0.171875  ,  0.02758789, -0.22949219,
         0.19140625, -0.13574219, -0.04223633,  0.14355469, -0.23925781,
        -0.06494141,  0.25195312, -0.01916504, -0.04003906,  0.21972656,
         0.13769531, -0.234375  , -0.12890625,  0.08105469, -0.01348877,
         0.15234375,  0.13964844, -0.05200195,  0.29101562, -0.3203125 ,
         0.15332031,  0.14746094,  0.0145874 , -0.13183594, -0.13574219,
         0.08447266,  0.1953125 , -0.07275391, -0.15917969,  0.140625  ,
```

```
         0.19628906,  0.10595703, -0.02966309, -0.28515625,  0.14355469,
         0.12695312,  0.01477051,  0.02648926,  0.02893066,  0.11914062,
        -0.06591797,  0.06445312,  0.13085938, -0.12792969, -0.08740234,
        -0.04516602,  0.13867188,  0.29296875, -0.04150391, -0.04272461,
         0.078125  , -0.15429688,  0.17480469,  0.02355957,  0.03735352,
        -0.06982422, -0.06396484, -0.33007812, -0.13085938, -0.01049805,
        -0.03271484,  0.16992188,  0.16796875, -0.07910156, -0.00363159,
        -0.05004883,  0.0050354 , -0.140625  ,  0.12451172, -0.16992188,
         0.23339844, -0.26953125,  0.13476562, -0.17285156, -0.06884766,
        -0.05566406,  0.12060547, -0.09716797, -0.01928711,  0.07470703,
        -0.328125  , -0.06494141, -0.03076172, -0.109375  ,  0.0859375 ,
         0.16894531, -0.06738281, -0.41992188, -0.0177002 ,  0.05004883,
         0.01818848,  0.00601196,  0.33203125,  0.15722656,  0.07910156,
        -0.00326538,  0.09814453,  0.08886719, -0.20898438, -0.21191406,
        -0.27148438,  0.21289062, -0.17089844, -0.18945312, -0.05371094],
       dtype=float32),
 'parental': array([ 2.16796875e-01, -1.07910156e-01, -1.71875000e-01,  2.8
9062500e-01,
        -4.02832031e-02, -1.45507812e-01,  3.43750000e-01, -3.02734375e-02,
        -1.40625000e-01,  5.61523438e-02,  2.06054688e-01, -3.06396484e-02,
         1.63085938e-01, -8.78906250e-03, -3.08593750e-01, -2.78320312e-02,
         3.88671875e-01,  1.51367188e-01, -2.23632812e-01,  2.69775391e-02,
         2.81982422e-02, -5.49316406e-03,  2.17773438e-01,  1.74804688e-01,
         1.55639648e-02, -4.29687500e-01, -1.67236328e-02,  3.28125000e-01,
         1.68609619e-03, -1.18408203e-02,  1.40625000e-01, -1.65039062e-01,
        -3.26171875e-01,  3.22265625e-01, -3.51562500e-01, -2.35351562e-01,
         1.99218750e-01,  8.25195312e-02, -7.17773438e-02,  1.94335938e-01,
         6.39648438e-02,  1.07421875e-01,  1.47460938e-01, -1.45507812e-01,
        -2.20947266e-02, -1.78710938e-01,  1.91406250e-01,  5.95703125e-02,
         1.85546875e-01, -4.24804688e-02, -1.22070312e-01, -1.03027344e-01,
        -2.47070312e-01,  3.26171875e-01,  1.05468750e-01, -9.52148438e-03,
        -4.98046875e-01, -3.18359375e-01, -3.57421875e-01,  1.47460938e-01,
        -1.31835938e-01,  2.42187500e-01,  1.22070312e-01, -4.63867188e-02,
        -1.28906250e-01, -2.45117188e-01, -2.61718750e-01,  5.10253906e-02,
         1.08398438e-01, -4.05273438e-02,  5.85937500e-02,  1.02539062e-01,
        -1.38671875e-01,  1.84570312e-01,  2.04101562e-01,  9.37500000e-02,
         1.78710938e-01,  9.52148438e-02,  1.95312500e-01,  2.40234375e-01,
         4.37011719e-02,  1.79687500e-01, -2.02636719e-02, -1.42822266e-02,
         1.66015625e-02, -5.54199219e-02,  1.72851562e-01,  1.77734375e-01,
        -1.17675781e-01,  1.38671875e-01,  2.22167969e-02, -8.05664062e-02,
        -1.13769531e-01, -5.20019531e-02,  3.02734375e-01, -1.22070312e-01,
         1.90429688e-01,  1.11694336e-02, -4.19921875e-02, -1.58691406e-02,
         1.53320312e-01, -1.69921875e-01, -2.06054688e-01, -7.17773438e-02,
        -2.66113281e-02, -2.27539062e-01, -2.36328125e-01,  7.66601562e-02,
         5.02929688e-02, -8.78906250e-02, -2.39257812e-01, -3.03955078e-02,
        -5.24902344e-02, -6.05468750e-02,  1.28906250e-01, -2.77343750e-01,
         2.86865234e-02,  1.71875000e-01, -5.68847656e-02, -1.55273438e-01,
        -3.39355469e-02, -6.44531250e-02, -8.88671875e-02,  2.96875000e-01,
         1.68945312e-01, -9.42382812e-02, -3.08593750e-01,  2.00195312e-01,
         3.03955078e-02,  1.81640625e-01,  9.91210938e-02, -1.20605469e-01,
        -3.37890625e-01,  9.27734375e-02,  6.10351562e-03, -1.64062500e-01,
         2.91015625e-01, -4.19921875e-02,  3.26171875e-01,  5.44433594e-02,
         1.87988281e-02, -2.25585938e-01, -2.19726562e-01,  6.73828125e-02,
        -9.17968750e-02,  1.36718750e-02,  6.39648438e-02,  4.90234375e-01,
        -1.42578125e-01,  2.45117188e-01,  6.52343750e-01, -6.98242188e-02,
         7.12890625e-02, -2.25585938e-01, -2.65625000e-01, -8.98437500e-02,
        -2.23632812e-01, -4.72656250e-01,  1.22070312e-01,  1.45507812e-01,
        -1.59179688e-01, -4.71115112e-04,  6.54296875e-02,  2.69531250e-01,
         5.10253906e-02, -2.67578125e-01, -2.96875000e-01,  1.34765625e-01,
        -8.00781250e-02,  5.56640625e-02, -1.86767578e-02, -2.15820312e-01,
        -1.04980469e-01, -1.41601562e-01, -5.02929688e-02,  8.39843750e-02,
         2.94921875e-01,  1.81640625e-01, -1.51367188e-01,  4.19921875e-01,
        -1.39648438e-01,  4.68750000e-02,  1.42211914e-02,  1.42578125e-01,
        -1.15966797e-02,  2.85156250e-01, -2.71484375e-01, -1.80664062e-01,
```

```
         1.03515625e-01, -7.03125000e-02, -1.86523438e-01, -5.85937500e-02,
        -2.85156250e-01, -3.00781250e-01, -1.96533203e-02, -1.79443359e-02,
        -1.97265625e-01, -3.92578125e-01,  1.66015625e-01,  5.18798828e-03,
        -2.11914062e-01,  1.65039062e-01, -9.37500000e-02, -2.51953125e-01,
         1.37695312e-01, -1.00585938e-01, -7.56835938e-02, -2.47070312e-01,
         6.98242188e-02, -4.27246094e-02,  1.94335938e-01,  1.05590820e-02,
         1.93359375e-01, -3.92578125e-01, -1.04980469e-01, -1.32812500e-01,
         4.53125000e-01, -2.27355957e-03, -1.05468750e-01,  1.32812500e-01,
        -1.99218750e-01, -1.97265625e-01,  5.50781250e-01, -2.34375000e-01,
        -2.89062500e-01, -2.96875000e-01,  1.59179688e-01, -1.94335938e-01,
         1.16210938e-01,  6.59179688e-02,  1.77001953e-02, -3.39355469e-02,
        -1.12304688e-01, -1.50390625e-01, -8.78906250e-02,  1.71875000e-01,
         3.55468750e-01, -4.35546875e-01,  1.77734375e-01, -1.42822266e-02,
         5.76171875e-02, -5.70312500e-01,  2.53906250e-01, -3.02734375e-01,
        -1.82617188e-01,  3.18359375e-01, -2.41210938e-01,  1.53320312e-01,
        -2.94189453e-02, -2.96630859e-02, -2.00195312e-01,  8.15429688e-02,
         1.34277344e-02,  3.00598145e-03,  4.51660156e-02, -1.48437500e-01,
         1.25976562e-01,  8.78906250e-02,  6.17675781e-02,  4.35546875e-01,
         2.12890625e-01, -7.91015625e-02, -1.29882812e-01, -8.34960938e-02,
        -6.46972656e-03,  2.53906250e-01, -4.19921875e-01,  2.00195312e-01,
        -3.41796875e-01,  9.52148438e-02, -2.85156250e-01, -2.77099609e-02,
         5.54199219e-02,  1.78710938e-01,  8.59375000e-02,  8.64257812e-02,
        -1.43554688e-01, -7.91015625e-02,  3.32031250e-01, -5.71289062e-02,
        -7.42187500e-02, -3.88671875e-01, -1.89208984e-02,  7.17773438e-02,
        -7.61718750e-02, -2.86865234e-02,  3.41796875e-01,  5.76171875e-02,
        -1.83593750e-01,  1.35742188e-01, -2.26562500e-01,  1.19628906e-01,
         1.32812500e-01, -1.83593750e-01, -2.09960938e-01,  5.90820312e-02,
        -8.15429688e-02,  2.48046875e-01,  1.12915039e-02,  1.52343750e-0
1],
       dtype=float32),
 'leave': array([ 1.85546875e-01,  8.17871094e-03,  3.29589844e-02,  1.7675
7812e-01,
        -8.78906250e-02,  1.75781250e-02,  2.51464844e-02, -2.51953125e-01,
         3.26171875e-01,  6.25000000e-02,  6.49414062e-02, -7.95898438e-02,
         1.47460938e-01,  1.56250000e-01, -1.15722656e-01, -2.09960938e-02,
         1.66015625e-01, -2.10571289e-03, -1.40625000e-01,  8.30078125e-02,
         1.94091797e-02,  1.39648438e-01,  2.39257812e-01,  2.45117188e-01,
         8.34960938e-02,  5.81054688e-02,  2.00195312e-01, -2.57568359e-02,
         4.88281250e-03, -1.05957031e-01,  1.53198242e-02,  5.68847656e-02,
        -2.81250000e-01, -6.54296875e-02, -1.93359375e-01, -2.85156250e-01,
        -1.53808594e-02,  1.26953125e-01, -4.07714844e-02,  2.57812500e-01,
         6.73828125e-02, -1.02539062e-01,  2.77343750e-01, -1.68945312e-01,
        -5.11169434e-04,  7.91015625e-02, -7.66601562e-02, -1.00097656e-01,
        -6.29882812e-02,  2.83203125e-01, -1.04980469e-01, -3.44238281e-02,
         1.84326172e-02,  3.34472656e-02,  7.95898438e-02, -2.18750000e-01,
        -2.16796875e-01, -5.93261719e-02, -4.17480469e-02, -1.51367188e-01,
        -7.91015625e-02,  4.12597656e-02, -6.05468750e-02,  6.44531250e-02,
        -2.07031250e-01, -1.02539062e-01, -5.15136719e-02,  4.22363281e-02,
        -2.94921875e-01,  6.64062500e-02,  1.75781250e-01,  2.06054688e-01,
         1.01074219e-01, -1.23291016e-02, -1.85546875e-01, -2.04101562e-01,
        -1.94335938e-01, -1.09375000e-01, -1.30859375e-01, -1.29882812e-01,
         7.66601562e-02, -1.45874023e-02,  6.44531250e-02,  2.06054688e-01,
         7.17773438e-02, -5.78613281e-02, -1.15234375e-01,  4.69970703e-03,
        -7.71484375e-02,  3.06396484e-02,  1.12304688e-01, -4.78515625e-02,
         1.16699219e-01, -1.93359375e-01,  1.46484375e-01, -1.61132812e-01,
         1.24511719e-01,  2.81250000e-01,  1.44531250e-01, -1.77734375e-01,
        -6.03027344e-02, -1.69921875e-01, -3.68652344e-02,  1.98242188e-01,
        -7.03125000e-02, -1.67968750e-01,  2.53906250e-01, -2.69531250e-01,
         3.15856934e-03,  6.00585938e-02,  1.80664062e-01,  2.84423828e-02,
         1.24023438e-01, -1.94335938e-01, -7.17773438e-02, -1.04980469e-01,
         1.98242188e-01, -2.04101562e-01,  3.20312500e-01,  5.17578125e-02,
        -1.44531250e-01,  3.17382812e-02, -5.34667969e-02,  3.69140625e-01,
         1.71875000e-01, -1.11328125e-01,  8.25195312e-02, -6.29882812e-02,
         5.95703125e-02,  1.67236328e-02,  4.90722656e-02, -1.04980469e-01,
```

```
         1.34765625e-01,  8.66699219e-03,  4.56542969e-02, -8.97216797e-03,
        -1.05957031e-01,  4.54101562e-02, -1.75781250e-02,  7.81250000e-02,
        -1.78222656e-02, -9.86328125e-02, -7.47070312e-02, -1.44531250e-01,
         1.09863281e-03,  1.40625000e-01, -1.96289062e-01, -2.65625000e-01,
        -1.49414062e-01, -7.04956055e-03,  1.22070312e-01,  7.91015625e-02,
         1.61132812e-01, -8.30078125e-02, -1.23901367e-02, -3.39355469e-02,
        -5.63964844e-02, -2.71484375e-01, -4.90722656e-02,  6.29882812e-02,
        -1.13769531e-01, -2.19726562e-02, -3.88183594e-02, -3.58886719e-02,
         1.87500000e-01, -1.52343750e-01,  7.42187500e-02, -1.31835938e-01,
        -1.22558594e-01, -1.63574219e-02, -1.37695312e-01, -8.05664062e-02,
        -1.66992188e-01, -8.59375000e-02, -1.85546875e-02,  6.88476562e-02,
         1.33789062e-01, -3.22265625e-02, -7.32421875e-02, -1.25122070e-03,
        -1.38671875e-01, -1.67236328e-02,  9.71679688e-02,  9.47265625e-02,
        -2.10937500e-01,  3.83300781e-02,  2.62451172e-02,  1.28906250e-01,
         2.61718750e-01,  1.30859375e-01,  1.44653320e-02,  5.64575195e-03,
         2.07031250e-01,  2.51953125e-01,  7.08007812e-02,  2.24609375e-01,
         8.20312500e-02, -1.01074219e-01, -1.82617188e-01,  2.72216797e-02,
         1.25122070e-02,  6.39648438e-02, -2.26562500e-01, -1.16210938e-01,
        -9.27734375e-02,  3.80859375e-02, -5.39550781e-02,  1.67968750e-01,
         1.95312500e-01, -3.12500000e-01,  1.08886719e-01, -5.51757812e-02,
         1.25000000e-01, -3.40270996e-03, -1.81640625e-01,  1.36718750e-01,
         1.15234375e-01, -1.15722656e-01, -2.06054688e-01, -5.02929688e-02,
        -3.66210938e-02,  4.37011719e-02, -5.05371094e-02,  1.38092041e-03,
         2.55859375e-01, -1.07421875e-01,  8.98437500e-02, -1.26647949e-03,
         1.86767578e-02,  1.94335938e-01,  1.28906250e-01, -1.92382812e-01,
        -4.61425781e-02, -2.05078125e-02,  3.12500000e-01,  5.93261719e-02,
         6.54296875e-02, -1.64062500e-01,  3.93676758e-03, -1.04492188e-01,
        -1.50390625e-01, -9.64355469e-03, -1.15356445e-02, -1.55273438e-01,
        -6.73828125e-02,  1.20605469e-01, -1.43554688e-01, -4.49218750e-02,
        -2.03857422e-02,  4.78515625e-02,  2.07031250e-01, -1.52343750e-01,
        -3.14941406e-02,  4.02832031e-02,  1.34765625e-01, -1.09863281e-01,
         1.41601562e-01,  1.76757812e-01,  9.64355469e-03,  3.28125000e-01,
         5.34667969e-02, -1.25000000e-01, -1.43554688e-01,  3.41796875e-01,
         3.63769531e-02, -9.86328125e-02,  4.44335938e-02,  1.46484375e-01,
         3.70788574e-03,  2.69775391e-02,  2.21679688e-01,  1.51367188e-01,
        -7.32421875e-02, -6.37817383e-03,  3.29589844e-02, -1.59179688e-01,
        -8.39843750e-02, -1.50390625e-01,  1.29394531e-02, -2.99453735e-04,
         2.83203125e-01, -1.27929688e-01,  7.87353516e-03,  2.13867188e-01,
         7.86132812e-02,  1.77734375e-01, -1.16699219e-01, -3.38745117e-03,
        -2.81250000e-01, -4.37011719e-02, -2.14843750e-01,  2.51953125e-01,
        -3.93066406e-02,  1.35742188e-01, -5.63964844e-02,  5.68847656e-02,
        -8.10546875e-02, -1.09375000e-01,  2.81982422e-02, -6.25000000e-0
2],
       dtype=float32),
 'referral': array([-0.22167969,  0.02246094,  0.19433594,  0.14257812, -0.
00637817,
         0.08642578, -0.04418945, -0.17480469, -0.0291748 ,  0.00939941,
        -0.02978516,  0.22070312,  0.11572266,  0.27148438,  0.09472656,
         0.36328125,  0.29492188,  0.11914062,  0.08984375,  0.03417969,
         0.13867188, -0.015625  ,  0.09082031,  0.02050781, -0.2421875 ,
        -0.08984375, -0.10351562,  0.23242188, -0.10302734, -0.38085938,
        -0.10302734, -0.20800781, -0.23632812, -0.38476562, -0.21191406,
         0.10644531, -0.10449219,  0.07470703, -0.05932617, -0.39648438,
         0.07666016, -0.04614258, -0.21582031, -0.02185059, -0.203125  ,
        -0.19433594,  0.04296875, -0.0390625 , -0.25      ,  0.07714844,
        -0.04516602, -0.08496094, -0.2890625 ,  0.08398438, -0.18652344,
        -0.00402832, -0.30859375,  0.12158203, -0.28710938,  0.0177002 ,
        -0.31835938, -0.14160156, -0.22070312, -0.09326172, -0.07861328,
         0.16992188, -0.29296875, -0.03833008, -0.05444336, -0.04052734,
         0.27148438, -0.11621094,  0.1796875 , -0.00952148, -0.03564453,
        -0.08154297,  0.18652344,  0.39648438,  0.20898438,  0.20605469,
        -0.06445312,  0.07177734,  0.06298828,  0.14160156,  0.12304688,
         0.09814453, -0.15722656, -0.12451172,  0.09375   , -0.45898438,
         0.25195312, -0.04858398, -0.00686646,  0.0480957 ,  0.02587891,
```

```
         0.03051758,  0.20214844,  0.05444336, -0.20019531,  0.01373291,
         0.19628906, -0.16308594, -0.18261719, -0.13476562,  0.02636719,
         0.17773438, -0.01660156, -0.04199219,  0.18457031, -0.30859375,
        -0.09814453, -0.02929688, -0.08154297, -0.17285156,  0.11328125,
        -0.09130859, -0.05249023,  0.20605469,  0.36132812, -0.05249023,
        -0.23339844, -0.00793457, -0.17773438,  0.51171875, -0.17089844,
         0.34960938,  0.11621094,  0.08837891,  0.07763672,  0.296875  ,
        -0.07421875, -0.37304688, -0.07617188, -0.06396484, -0.08886719,
        -0.36328125, -0.03613281,  0.08251953,  0.09179688,  0.3671875 ,
        -0.0625    , -0.00114441, -0.19628906,  0.07128906,  0.09472656,
         0.12207031, -0.24414062,  0.04833984, -0.28320312,  0.0090332 ,
         0.20117188,  0.23925781, -0.13183594, -0.14550781,  0.40039062,
        -0.40234375, -0.13378906,  0.06347656, -0.14746094,  0.23144531,
        -0.15917969,  0.16601562, -0.17480469, -0.12890625, -0.609375  ,
         0.08984375,  0.08398438, -0.4140625 , -0.05053711,  0.00121307,
         0.06542969, -0.03637695,  0.07958984, -0.35351562, -0.13085938,
        -0.28125   ,  0.22363281,  0.1328125 , -0.04296875, -0.04052734,
         0.15625   , -0.34375   , -0.03686523, -0.39453125,  0.09619141,
         0.21679688,  0.01104736,  0.27734375,  0.00830078,  0.02624512,
        -0.24804688,  0.16503906,  0.05664062,  0.15234375,  0.23144531,
        -0.27929688, -0.1640625 , -0.44140625,  0.22167969, -0.22753906,
         0.012146  , -0.05419922, -0.0189209 , -0.22070312, -0.18261719,
         0.06176758,  0.10351562, -0.18164062,  0.4140625 , -0.10058594,
         0.20800781, -0.05957031, -0.18652344, -0.08544922,  0.04125977,
         0.34765625,  0.13964844,  0.20214844, -0.2578125 ,  0.03833008,
         0.10400391,  0.06787109,  0.3203125 ,  0.17773438, -0.09375   ,
        -0.25976562,  0.24804688, -0.09814453,  0.10205078,  0.05249023,
        -0.46679688, -0.15039062,  0.17285156, -0.14941406, -0.24316406,
        -0.10009766,  0.09375   ,  0.13671875,  0.02197266,  0.03222656,
         0.01477051, -0.08447266,  0.08935547, -0.17773438,  0.03051758,
        -0.16503906,  0.05126953,  0.40820312, -0.01647949,  0.09521484,
         0.03149414, -0.04760742,  0.05322266,  0.12695312, -0.10693359,
         0.39648438, -0.07177734, -0.21777344, -0.03063965,  0.08105469,
        -0.15625   , -0.06787109, -0.05957031,  0.21875   ,  0.00921631,
        -0.15625   ,  0.02563477,  0.05004883, -0.1875    , -0.08886719,
         0.08349609,  0.20800781,  0.08300781, -0.02819824,  0.12451172,
        -0.375     , -0.09570312,  0.05273438,  0.08105469,  0.13476562,
        -0.20898438,  0.02453613,  0.08349609,  0.25195312, -0.13671875,
        -0.03393555,  0.04638672,  0.25195312,  0.02868652,  0.00631714,
         0.31835938,  0.41992188, -0.0324707 , -0.04760742,  0.06225586,
         0.12597656,  0.21289062, -0.05419922, -0.08300781,  0.0625    ],
       dtype=float32),
 'tuition': array([ 3.12500000e-01, -2.69775391e-02, -5.05371094e-02,  6.05
468750e-01,
         4.76562500e-01, -2.50000000e-01,  4.47265625e-01, -5.49316406e-02,
        -5.98144531e-02, -2.91015625e-01,  1.75781250e-01,  1.89453125e-01,
        -1.32812500e-01,  2.85156250e-01,  4.15039062e-03,  2.53906250e-01,
         1.98242188e-01,  4.73632812e-02,  3.39843750e-01, -9.47265625e-02,
         2.94921875e-01,  1.97265625e-01,  3.49609375e-01, -7.44628906e-03,
        -4.14062500e-01, -2.14843750e-01, -8.05664062e-03, -1.10351562e-01,
        -3.30078125e-01,  2.08984375e-01,  1.77001953e-02, -9.86328125e-02,
        -7.86132812e-02, -6.12792969e-02,  2.32421875e-01, -3.78906250e-01,
         1.47460938e-01,  3.35937500e-01, -4.57031250e-01,  5.07812500e-02,
         1.64794922e-02,  9.81445312e-02,  3.12500000e-01, -5.00000000e-01,
        -1.48437500e-01, -1.99218750e-01,  2.29492188e-01, -3.03955078e-02,
        -1.30859375e-01,  7.56835938e-02,  1.91406250e-01, -2.91015625e-01,
        -1.54418945e-02, -1.39648438e-01,  1.79687500e-01, -6.59179688e-02,
        -3.39843750e-01,  2.96875000e-01, -1.10839844e-01,  2.84423828e-02,
         8.34960938e-02, -1.77734375e-01,  2.39257812e-01, -2.13867188e-01,
         1.88476562e-01, -1.63085938e-01, -8.60595703e-03,  1.98242188e-01,
        -2.22167969e-02,  1.46484375e-01, -4.33593750e-01,  1.87988281e-02,
         8.59375000e-02, -2.71484375e-01,  7.14111328e-03,  5.61523438e-02,
         7.17773438e-02,  2.46582031e-02,  1.39160156e-02, -8.20312500e-02,
         1.63085938e-01, -6.98242188e-02, -5.42968750e-01,  4.27734375e-01,
```

```
        -2.15820312e-01,  6.17980957e-04, -2.09960938e-01,  3.04687500e-01,
         3.93066406e-02,  2.14843750e-02,  8.78906250e-02,  3.94821167e-04,
        -1.70898438e-01, -2.07031250e-01,  1.14135742e-02, -2.41088867e-03,
         3.33984375e-01,  2.81250000e-01,  1.89453125e-01, -4.21875000e-01,
        -9.76562500e-02, -3.39843750e-01,  3.64303589e-04, -3.33984375e-01,
        -2.83203125e-01, -2.71484375e-01,  8.64257812e-02,  2.27539062e-01,
         8.88671875e-02, -2.77343750e-01, -6.29882812e-02, -1.14257812e-01,
         1.13769531e-01,  2.81250000e-01,  2.63671875e-02,  2.11914062e-01,
         3.18359375e-01, -1.81640625e-01,  2.57812500e-01, -1.26953125e-01,
         2.21679688e-01,  2.96875000e-01,  3.92578125e-01,  1.81640625e-01,
         1.48437500e-01, -3.61328125e-01, -4.06250000e-01, -7.12890625e-02,
         1.22558594e-01,  5.46264648e-03, -6.16455078e-03, -1.08398438e-01,
        -1.08886719e-01, -3.24218750e-01,  7.12890625e-02, -1.67236328e-02,
         5.98144531e-02, -2.25830078e-02, -1.83593750e-01,  2.37304688e-01,
        -3.41796875e-01, -2.14843750e-01, -3.11279297e-02,  2.37304688e-01,
        -2.65625000e-01,  5.22136688e-05,  1.53320312e-01,  3.39843750e-01,
         2.57812500e-01, -1.14746094e-01,  1.83593750e-01, -6.49414062e-02,
        -2.33398438e-01, -1.07910156e-01,  2.59765625e-01, -2.92968750e-01,
         1.51367188e-01, -2.34375000e-02, -1.40625000e-01, -1.63085938e-01,
        -1.97265625e-01,  6.88476562e-02,  4.10156250e-01,  2.30468750e-01,
        -2.12890625e-01, -6.44531250e-02,  1.63085938e-01, -1.11816406e-01,
         7.95898438e-02,  2.50000000e-01,  3.12500000e-02,  4.46777344e-02,
         1.02539062e-02, -4.46777344e-02, -2.50000000e-01,  8.00781250e-02,
         4.80957031e-02, -3.93066406e-02, -3.16406250e-01,  2.48046875e-01,
        -1.60156250e-01, -5.00000000e-01,  3.14453125e-01,  7.17773438e-02,
         1.33789062e-01, -1.50390625e-01,  8.05664062e-02,  3.00781250e-01,
         1.77734375e-01, -1.77001953e-02,  1.92382812e-01, -1.99218750e-01,
         4.80957031e-02,  1.82617188e-01, -4.43359375e-01,  3.82812500e-01,
        -1.50299072e-03, -5.82031250e-01,  1.20117188e-01, -1.78710938e-01,
        -3.73535156e-02,  2.92968750e-01,  1.84570312e-01, -3.22265625e-01,
        -9.81445312e-02, -2.03125000e-01,  1.41601562e-01, -5.03906250e-01,
         1.46484375e-01,  1.57226562e-01,  1.68945312e-01,  2.09960938e-01,
         3.22265625e-01, -7.22656250e-02, -1.90429688e-01,  5.11718750e-01,
        -2.83203125e-01, -4.78515625e-02, -3.04687500e-01, -4.39453125e-01,
        -1.96533203e-02, -1.21582031e-01,  5.15625000e-01, -1.18164062e-01,
         1.39648438e-01,  1.08886719e-01,  1.59179688e-01, -1.14746094e-01,
        -2.45361328e-02,  2.01171875e-01, -8.69140625e-02,  1.73828125e-01,
         2.37304688e-01,  2.03125000e-01,  4.08935547e-03,  1.76757812e-01,
         3.10546875e-01, -1.36718750e-01, -2.75390625e-01,  2.75390625e-01,
         1.51367188e-01,  2.30712891e-02, -7.27539062e-02,  1.08398438e-01,
        -3.51562500e-01, -5.85937500e-02,  4.30297852e-03, -1.76757812e-01,
        -1.66015625e-01, -6.39648438e-02,  1.41601562e-01,  9.47265625e-02,
         9.32617188e-02,  3.49609375e-01, -1.86523438e-01,  1.45263672e-02,
         2.83203125e-01,  9.76562500e-03, -2.28515625e-01,  3.10546875e-01,
         2.22656250e-01,  1.05957031e-01, -7.76367188e-02, -2.02148438e-01,
        -1.98242188e-01,  2.29492188e-01, -1.90429688e-01, -1.79687500e-01,
        -6.20117188e-02, -1.76757812e-01, -4.32128906e-02,  3.63769531e-02,
         2.13867188e-01,  4.25781250e-01, -1.15234375e-01, -3.11279297e-02,
         1.80664062e-01, -2.89062500e-01, -3.51562500e-02, -1.74804688e-01,
         2.79296875e-01,  3.12500000e-02,  3.36914062e-02,  3.18359375e-01,
         1.90429688e-01, -4.63867188e-02,  2.59765625e-01,  4.16015625e-01,
         1.66992188e-01,  1.10839844e-01, -4.27734375e-01, -1.01074219e-01,
        -1.88476562e-01, -1.59912109e-02,  2.02148438e-01,  1.36718750e-01,
        -9.91210938e-02,  3.06640625e-01,  2.77099609e-02,  2.02636719e-0
2],
       dtype=float32),
 'reimbursement': array([-0.31835938, -0.07177734, -0.02331543,  0.1484375
,  0.03833008,
        -0.01184082,  0.07617188, -0.04345703,  0.10839844, -0.27539062,
        -0.12792969,  0.13574219,  0.17773438,  0.12304688, -0.30859375,
         0.10693359,  0.32226562,  0.24902344, -0.07958984,  0.21191406,
         0.00335693,  0.19824219,  0.20214844,  0.16601562, -0.12597656,
         0.1328125 , -0.31445312, -0.10546875, -0.12402344,  0.08056641,
         0.00076294, -0.25195312,  0.0078125 ,  0.00823975, -0.05615234,
```

```
        -0.375     ,  0.11962891,  0.06494141,  0.04003906, -0.24121094,
         0.1640625 ,  0.06640625,  0.14453125, -0.3359375 , -0.3359375 ,
        -0.2265625 ,  0.26367188,  0.14453125, -0.27148438,  0.01464844,
         0.06542969, -0.20898438, -0.29296875, -0.26367188, -0.24023438,
         0.05395508, -0.17480469,  0.03833008,  0.21289062,  0.00744629,
        -0.25585938,  0.05810547, -0.25585938, -0.0612793 ,  0.18457031,
         0.08300781, -0.08984375,  0.26171875, -0.09082031,  0.10351562,
        -0.29492188, -0.24707031, -0.02600098, -0.20996094, -0.17578125,
        -0.12060547,  0.08642578, -0.18359375, -0.16992188,  0.12304688,
         0.21582031, -0.06933594, -0.359375  ,  0.18359375, -0.02978516,
        -0.04272461, -0.25390625,  0.31054688, -0.06176758, -0.00424194,
         0.37695312,  0.00634766,  0.31054688, -0.22949219,  0.15136719,
         0.09570312, -0.10693359, -0.15820312,  0.05175781, -0.00595093,
         0.02478027, -0.22851562,  0.15722656,  0.01025391,  0.03930664,
        -0.17675781, -0.18554688, -0.0378418 , -0.04663086, -0.13964844,
         0.1015625 ,  0.07861328, -0.04248047,  0.12890625, -0.28515625,
         0.14257812,  0.27929688, -0.36523438,  0.26953125,  0.10693359,
        -0.06542969, -0.02575684,  0.13085938, -0.03955078,  0.44335938,
         0.04418945, -0.22558594, -0.05151367,  0.07763672,  0.14550781,
        -0.18261719, -0.10498047, -0.14746094, -0.34375   , -0.45703125,
        -0.06640625, -0.0378418 , -0.0625    ,  0.17675781,  0.3359375 ,
        -0.15039062,  0.15527344, -0.00927734,  0.18554688, -0.03808594,
        -0.24707031, -0.22753906, -0.02038574, -0.390625  ,  0.0123291 ,
        -0.05493164, -0.05566406,  0.125     ,  0.07470703,  0.36328125,
        -0.5546875 ,  0.06347656,  0.23242188, -0.17480469,  0.18457031,
         0.04516602, -0.08837891, -0.05322266,  0.26953125, -0.390625  ,
         0.1640625 , -0.05786133, -0.375     ,  0.10302734,  0.359375  ,
         0.04321289, -0.125     ,  0.15625   , -0.11425781, -0.13964844,
        -0.32617188,  0.12597656,  0.06884766, -0.23242188,  0.04541016,
        -0.33398438, -0.14550781,  0.10595703, -0.21191406, -0.0267334 ,
         0.05224609,  0.34960938,  0.14941406,  0.07763672, -0.0859375 ,
         0.20214844,  0.05761719, -0.02197266, -0.0559082 ,  0.203125  ,
         0.12158203,  0.06152344, -0.2578125 ,  0.17578125, -0.14160156,
         0.07666016, -0.01434326,  0.09863281, -0.22460938, -0.17578125,
        -0.15429688, -0.078125  , -0.12890625,  0.21875   , -0.08398438,
         0.36523438,  0.12158203, -0.08154297,  0.20214844, -0.10107422,
         0.07177734,  0.1328125 ,  0.26757812, -0.18359375, -0.14648438,
        -0.24316406, -0.04516602,  0.34375   , -0.16992188, -0.01806641,
        -0.11669922, -0.05664062, -0.16699219, -0.0057373 ,  0.10253906,
         0.0168457 ,  0.26171875,  0.16992188, -0.28710938, -0.05517578,
        -0.1640625 ,  0.40820312, -0.22363281,  0.0324707 ,  0.11181641,
         0.32617188, -0.23046875,  0.17480469, -0.15136719, -0.05224609,
         0.0546875 ,  0.07910156,  0.03613281,  0.12255859, -0.31640625,
         0.0546875 , -0.20703125, -0.05273438,  0.00497437, -0.25195312,
         0.1328125 , -0.03027344, -0.04394531,  0.25390625,  0.16992188,
        -0.24804688,  0.04980469, -0.33789062,  0.01049805,  0.03417969,
         0.03710938,  0.05810547, -0.10205078,  0.01672363, -0.03686523,
        -0.05029297,  0.03442383,  0.24316406,  0.08154297, -0.21582031,
        -0.05078125, -0.05883789,  0.04272461,  0.21777344, -0.27929688,
        -0.04931641,  0.25390625,  0.13769531,  0.12597656, -0.14550781,
         0.125     ,  0.16992188,  0.29882812, -0.05371094, -0.29492188,
        -0.03466797,  0.1875    , -0.04736328,  0.06787109,  0.2578125 ,
         0.38476562,  0.171875  ,  0.0612793 ,  0.11914062,  0.10107422],
       dtype=float32),
 'performance': array([-0.01074219,  0.08886719,  0.05053711, -0.08056641,
0.10791016,
         0.0703125 ,  0.02172852, -0.34375   ,  0.26171875,  0.37304688,
        -0.07177734, -0.04956055,  0.07177734, -0.0201416 ,  0.14550781,
         0.23144531,  0.01544189,  0.10400391,  0.07617188, -0.20800781,
         0.0703125 ,  0.02270508, -0.234375  ,  0.24316406,  0.09179688,
        -0.06640625, -0.05322266, -0.08007812, -0.15234375,  0.1875    ,
         0.00212097, -0.06591797,  0.0291748 , -0.07666016,  0.08740234,
         0.10644531, -0.0177002 ,  0.13867188,  0.07763672, -0.0378418 ,
         0.07519531,  0.16015625,  0.04345703,  0.20898438,  0.17578125,
```

```
         0.01855469, -0.17285156, -0.04174805,  0.07177734,  0.11962891,
         0.13769531,  0.34765625, -0.16992188,  0.25976562,  0.1328125 ,
        -0.08154297,  0.02600098, -0.03881836,  0.13574219,  0.12597656,
         0.14550781,  0.17871094, -0.22460938, -0.28515625,  0.03881836,
         0.05371094,  0.02539062,  0.14941406,  0.23242188,  0.06884766,
         0.0402832 , -0.35742188,  0.20117188, -0.11474609,  0.02490234,
        -0.08544922,  0.19921875, -0.15820312,  0.13769531,  0.01745605,
         0.17675781,  0.02478027,  0.01635742,  0.08837891,  0.25976562,
        -0.015625  , -0.09667969, -0.05834961, -0.09570312,  0.05688477,
        -0.02001953,  0.03295898, -0.0324707 ,  0.13769531,  0.07470703,
        -0.19921875, -0.08349609,  0.15429688, -0.11328125, -0.13769531,
         0.07128906, -0.00964355,  0.0625    , -0.07226562, -0.16308594,
        -0.03417969, -0.06787109,  0.05908203, -0.06640625,  0.09277344,
         0.00830078,  0.08691406,  0.02856445,  0.03686523,  0.00650024,
        -0.27148438, -0.02587891, -0.2890625 ,  0.13574219, -0.04711914,
        -0.16601562,  0.12353516,  0.08007812, -0.25      ,  0.20800781,
         0.15527344, -0.14453125,  0.12695312,  0.02038574, -0.04199219,
        -0.22753906,  0.109375  , -0.03881836, -0.06347656,  0.02868652,
        -0.0859375 ,  0.29492188, -0.18847656, -0.24023438,  0.15234375,
         0.01855469, -0.19433594, -0.05981445,  0.17578125,  0.04370117,
        -0.19238281,  0.22363281,  0.08447266,  0.14550781,  0.39257812,
        -0.11181641,  0.15332031, -0.08984375,  0.1484375 , -0.2890625 ,
        -0.10058594,  0.0546875 , -0.04052734,  0.09179688, -0.35742188,
        -0.15917969,  0.01300049,  0.13671875,  0.37695312, -0.23242188,
        -0.03833008, -0.00204468, -0.20410156, -0.04956055,  0.04882812,
        -0.31445312, -0.18847656,  0.15136719, -0.33984375, -0.06445312,
         0.0703125 ,  0.18261719, -0.09179688, -0.01879883,  0.11523438,
         0.03735352,  0.09033203,  0.21484375,  0.08105469,  0.00087357,
        -0.14257812, -0.13964844, -0.0703125 , -0.06689453,  0.02685547,
        -0.07910156, -0.22949219,  0.06884766, -0.13183594, -0.15917969,
         0.05615234,  0.328125  , -0.03808594, -0.04003906, -0.09423828,
        -0.03515625,  0.21191406,  0.01049805,  0.12353516,  0.23535156,
        -0.11572266, -0.11376953,  0.21484375, -0.01159668,  0.03808594,
         0.10302734,  0.09912109,  0.09179688, -0.04174805, -0.22265625,
        -0.05444336,  0.1953125 ,  0.03466797, -0.203125  , -0.06640625,
        -0.17382812, -0.02441406, -0.10888672,  0.00720215, -0.03417969,
         0.00909424, -0.16308594, -0.09375   ,  0.20019531,  0.06030273,
         0.04663086,  0.07861328, -0.02490234,  0.02539062, -0.13378906,
         0.08691406,  0.00588989, -0.06689453,  0.11279297, -0.06298828,
         0.09814453, -0.03540039, -0.00582886, -0.25585938, -0.0189209 ,
        -0.19726562, -0.11523438, -0.19335938, -0.10498047,  0.01647949,
        -0.05273438,  0.05029297,  0.0255127 ,  0.08251953, -0.13183594,
        -0.01531982,  0.15722656,  0.11230469, -0.01190186,  0.12060547,
         0.20898438,  0.20117188, -0.03857422,  0.08886719,  0.04150391,
         0.09130859, -0.00601196, -0.11621094, -0.16796875, -0.06079102,
         0.04785156, -0.13476562,  0.05493164,  0.0065918 , -0.0559082 ,
         0.07861328, -0.05541992, -0.04882812, -0.21582031,  0.04272461,
         0.15722656,  0.09863281,  0.05126953,  0.00087357, -0.15527344,
        -0.05859375,  0.16699219, -0.14746094,  0.10205078,  0.06005859,
        -0.07714844,  0.30078125, -0.15820312, -0.04858398, -0.06347656,
         0.16894531,  0.23242188,  0.08496094, -0.0267334 , -0.11572266],
       dtype=float32),
 'application': array([-1.15722656e-01, -1.79687500e-01, -1.06933594e-01, -
1.12304688e-01,
        -6.83593750e-02,  1.20605469e-01,  1.43554688e-01,  4.58984375e-02,
        -2.45361328e-02, -1.02539062e-01, -6.03027344e-02,  6.25000000e-02,
        -2.21679688e-01, -3.98437500e-01, -8.30078125e-02,  9.08203125e-02,
         2.01171875e-01, -2.51464844e-02, -1.69921875e-01, -8.25195312e-02,
        -5.17578125e-02,  8.39843750e-02, -1.93359375e-01, -4.21142578e-03,
        -3.93066406e-02, -1.04980469e-02,  1.22070312e-01,  1.92382812e-01,
         8.78906250e-03, -7.47070312e-02,  4.58984375e-02, -1.33789062e-01,
        -1.09863281e-01,  6.29882812e-02, -8.66699219e-03,  1.20117188e-01,
         4.34570312e-02, -7.95898438e-02,  1.32812500e-01, -1.16210938e-01,
        -4.54101562e-02,  3.10058594e-02,  9.61914062e-02,  1.84570312e-01,
```

```
-1.66015625e-01, -2.65625000e-01, -2.16796875e-01,  4.11987305e-04,
-1.67968750e-01,  2.16796875e-01,  1.75781250e-02, -1.87500000e-01,
-9.03320312e-02, -1.03149414e-02,  1.00097656e-01,  9.61914062e-02,
-2.50000000e-01,  2.60009766e-02,  5.66406250e-02,  1.73339844e-02,
 7.12890625e-02, -7.17773438e-02, -1.55273438e-01, -9.22851562e-02,
-2.51953125e-01,  2.53906250e-01, -8.88671875e-02, -5.12695312e-02,
 1.14746094e-01, -1.13281250e-01, -1.12304688e-01, -2.75390625e-01,
 3.34472656e-02, -7.86132812e-02,  2.24609375e-01, -1.71875000e-01,
 5.07812500e-01, -2.17773438e-01,  7.71484375e-02,  2.75390625e-01,
-6.37817383e-03,  6.34765625e-02, -7.47070312e-02, -5.93261719e-02,
 3.55468750e-01, -8.69140625e-02, -2.20703125e-01,  2.24609375e-01,
 1.90429688e-02, -7.17773438e-02, -8.25195312e-02, -2.41699219e-02,
-8.49609375e-02, -3.14453125e-01, -5.44433594e-02,  8.05664062e-02,
-2.59765625e-01, -1.18164062e-01,  1.51367188e-01, -3.75976562e-02,
-4.05273438e-02, -2.19726562e-02,  1.22070312e-01,  2.47802734e-02,
-1.20605469e-01,  3.97949219e-02, -2.65625000e-01, -7.23266602e-03,
 2.09960938e-01, -3.41796875e-02,  9.22851562e-02, -1.72851562e-01,
-1.34765625e-01,  8.93554688e-02,  1.02050781e-01, -2.05078125e-02,
-1.19628906e-01, -1.13769531e-01,  4.39453125e-01, -1.14746094e-01,
-1.03027344e-01, -1.09863281e-01, -1.76757812e-01,  5.02929688e-02,
 1.21093750e-01, -2.09045410e-03, -1.46484375e-01, -8.85009766e-03,
 2.67578125e-01,  7.95898438e-02,  1.08886719e-01,  6.05468750e-02,
 6.77490234e-03, -8.77380371e-05, -1.43554688e-01, -1.90429688e-02,
 5.37109375e-02, -1.10839844e-01, -6.59179688e-02,  3.00781250e-01,
-4.95605469e-02,  1.39648438e-01, -1.73828125e-01,  2.70996094e-02,
 1.27929688e-01, -7.55310059e-04, -3.32031250e-02,  1.96533203e-02,
-2.61718750e-01,  1.48315430e-02,  7.66601562e-02, -1.19628906e-01,
 6.78710938e-02, -2.07031250e-01, -1.39648438e-01, -2.00195312e-01,
-2.44140625e-01,  5.41992188e-02, -1.50390625e-01, -9.76562500e-02,
 5.02929688e-02, -2.42187500e-01, -2.03125000e-01,  3.83300781e-02,
 5.05371094e-02, -4.83398438e-02,  6.83593750e-02, -9.21630859e-03,
-1.16210938e-01, -1.52343750e-01,  5.00488281e-02, -2.53906250e-02,
-3.16406250e-01,  3.63769531e-02, -3.07617188e-02, -1.22558594e-01,
 2.51953125e-01, -6.49414062e-02,  4.98046875e-02,  6.64062500e-02,
-2.24609375e-01, -9.91210938e-02, -1.03027344e-01, -8.15429688e-02,
 2.24609375e-01,  9.39941406e-03, -9.37500000e-02,  6.39648438e-02,
-5.46875000e-02, -1.27929688e-01, -3.49609375e-01, -1.13281250e-01,
-1.36718750e-01,  7.32421875e-02, -8.78906250e-02, -6.73828125e-02,
 4.90722656e-02, -1.34765625e-01, -1.96533203e-02, -7.61718750e-02,
 1.01562500e-01,  1.45874023e-02, -5.12695312e-02,  5.49316406e-02,
-9.46044922e-03,  2.45117188e-01,  1.42578125e-01,  1.63085938e-01,
 1.57226562e-01,  6.07910156e-02,  2.16796875e-01,  2.91748047e-02,
-3.19824219e-02,  1.05957031e-01, -1.26953125e-01,  2.49023438e-02,
-7.61718750e-02,  1.02539062e-01,  7.24792480e-04, -2.96630859e-02,
-6.59179688e-02,  1.08398438e-01, -1.70898438e-02,  5.68847656e-02,
-1.03515625e-01,  1.89208984e-03,  1.85546875e-02, -8.25195312e-02,
-4.05273438e-02, -5.78613281e-02, -5.93261719e-02,  1.08398438e-01,
-1.41601562e-01, -2.14843750e-01,  4.88281250e-02, -9.64355469e-03,
 5.22460938e-02, -3.61328125e-02,  1.06933594e-01,  5.12695312e-02,
-6.44531250e-02, -1.05957031e-01, -2.96630859e-02, -2.22656250e-01,
 5.15136719e-02, -1.98242188e-01, -2.07031250e-01,  8.05664062e-02,
 8.88671875e-02, -3.95507812e-02,  1.15234375e-01, -1.52343750e-01,
-7.71484375e-02,  1.44531250e-01,  4.30297852e-03, -5.10253906e-02,
-1.33789062e-01,  8.69140625e-02, -4.32128906e-02, -1.45263672e-02,
 6.49414062e-02, -1.31835938e-01, -2.25585938e-01, -9.71679688e-02,
-8.88671875e-02,  1.58203125e-01,  1.73828125e-01,  4.78515625e-02,
-4.66796875e-01, -2.53906250e-01,  1.34765625e-01,  1.32812500e-01,
-7.22656250e-02,  1.63085938e-01, -1.29882812e-01, -2.98828125e-01,
-3.14941406e-02, -1.18164062e-01,  5.17578125e-02, -1.19140625e-01,
 1.18255615e-03,  1.39648438e-01,  9.81445312e-02,  3.18359375e-01,
-1.05957031e-01,  4.46777344e-02,  1.60156250e-01,  2.43164062e-01,
 1.06445312e-01,  4.07714844e-02, -1.17187500e-01,  5.81054688e-02,
-1.04492188e-01,  4.98046875e-02,  1.17187500e-01,  4.04296875e-01,
 4.66308594e-02, -2.92968750e-01, -2.50000000e-01,  1.68945312e-0
```

```
1],
       dtype=float32),
 'question': array([ 0.10107422,  0.09912109, -0.03759766,  0.265625  , -0.
12988281,
         0.125     ,  0.06542969,  0.01446533,  0.26953125,  0.15429688,
        -0.296875  ,  0.00185394,  0.02563477, -0.09277344, -0.33789062,
         0.36328125,  0.15429688, -0.05249023, -0.27148438,  0.03710938,
         0.16992188, -0.08886719,  0.28125   , -0.03173828, -0.28710938,
         0.13964844, -0.09716797,  0.12109375,  0.21386719,  0.20800781,
        -0.07421875,  0.09033203,  0.05200195,  0.09228516,  0.11230469,
         0.00994873,  0.00921631,  0.08398438,  0.28710938, -0.01031494,
        -0.37890625,  0.02355957,  0.23925781, -0.02758789, -0.15820312,
         0.00668335,  0.05175781,  0.04052734, -0.16992188,  0.3515625 ,
        -0.02685547, -0.08984375, -0.12695312, -0.13378906, -0.00402832,
        -0.01141357, -0.02319336,  0.03369141, -0.0255127 , -0.19726562,
         0.05688477,  0.04589844,  0.12353516, -0.01391602,  0.08447266,
        -0.05419922, -0.12792969, -0.02270508, -0.09472656, -0.19042969,
         0.00805664, -0.10205078, -0.02709961, -0.15820312, -0.0267334 ,
        -0.0072937 ,  0.05859375,  0.16113281, -0.04370117,  0.40039062,
         0.02258301,  0.05200195,  0.02636719,  0.06103516, -0.40625   ,
        -0.13476562, -0.17480469,  0.06640625,  0.09814453,  0.15820312,
         0.06640625,  0.00643921, -0.26757812,  0.15234375, -0.03833008,
         0.0703125 ,  0.24023438,  0.05566406,  0.012146  ,  0.16992188,
         0.14550781, -0.01574707,  0.23535156,  0.11865234, -0.13769531,
        -0.08935547, -0.04370117, -0.09375   , -0.03662109, -0.03515625,
         0.06542969, -0.2890625 , -0.10839844,  0.28125   ,  0.01135254,
        -0.13964844,  0.25976562,  0.08105469,  0.11621094,  0.20507812,
         0.00337219,  0.00062943, -0.21484375,  0.17382812, -0.19433594,
        -0.125     , -0.02124023,  0.06738281,  0.02612305, -0.00811768,
        -0.16503906, -0.28320312, -0.04199219, -0.04833984,  0.33789062,
        -0.00994873,  0.06152344,  0.21289062, -0.07226562, -0.08691406,
         0.34960938,  0.17871094, -0.02490234, -0.1796875 ,  0.09277344,
         0.03710938, -0.03039551, -0.23535156,  0.06396484, -0.15332031,
        -0.13183594,  0.16894531, -0.23925781, -0.00260925, -0.11572266,
         0.08935547, -0.02624512, -0.15917969,  0.09033203,  0.0625    ,
        -0.140625  ,  0.03955078,  0.30664062, -0.3125    ,  0.00163269,
        -0.02636719,  0.10888672, -0.03149414, -0.0703125 ,  0.02807617,
         0.06054688,  0.02331543, -0.04736328, -0.36523438,  0.0546875 ,
        -0.31054688,  0.18457031, -0.12890625, -0.18554688,  0.05200195,
        -0.11035156,  0.10595703,  0.02685547, -0.15429688,  0.20117188,
         0.12695312, -0.05444336,  0.15917969,  0.11376953,  0.15136719,
         0.07958984, -0.14453125,  0.25390625,  0.06494141,  0.03881836,
        -0.20410156,  0.04345703, -0.01141357,  0.22070312,  0.09716797,
         0.13769531,  0.20898438, -0.25390625,  0.03393555, -0.05834961,
         0.01574707, -0.19433594,  0.10742188,  0.09619141,  0.0234375 ,
        -0.012146  ,  0.06054688, -0.15527344, -0.16113281, -0.36328125,
        -0.05322266,  0.05444336,  0.05639648, -0.02648926, -0.03540039,
        -0.19238281, -0.00811768, -0.22460938, -0.08837891,  0.27929688,
         0.07373047,  0.29296875, -0.07421875,  0.00259399,  0.05786133,
         0.10595703,  0.07177734, -0.01385498,  0.10449219,  0.07666016,
         0.07177734,  0.04272461, -0.17089844, -0.24316406,  0.00185394,
        -0.29296875, -0.1875    , -0.17480469,  0.01733398, -0.11474609,
        -0.10302734,  0.06225586,  0.12890625,  0.22167969, -0.02978516,
        -0.10253906, -0.01586914,  0.09423828,  0.2578125 , -0.17382812,
        -0.18164062,  0.12304688, -0.02380371, -0.12451172, -0.1796875 ,
        -0.0135498 ,  0.07617188, -0.19042969, -0.00250244,  0.04736328,
         0.15820312,  0.24316406, -0.12890625, -0.27929688, -0.31835938,
        -0.11425781,  0.10058594,  0.11132812, -0.30859375,  0.01519775,
         0.17578125, -0.00086594, -0.35546875, -0.03320312,  0.22460938,
         0.05859375,  0.0168457 , -0.05517578,  0.04321289,  0.05957031,
        -0.22363281, -0.02404785,  0.1953125 ,  0.22460938,  0.30078125,
        -0.09423828,  0.11230469, -0.01635742,  0.02001953, -0.0390625 ,
        -0.10644531, -0.15820312, -0.265625  , -0.0703125 ,  0.06738281],
       dtype=float32),
```

```
 'west': array([-0.09277344, -0.12207031,  0.140625  , -0.06494141,  0.1728
5156,
        0.04052734, -0.20605469, -0.25585938, -0.10449219,  0.27734375,
        0.11083984,  0.14160156,  0.1171875 ,  0.06835938,  0.02709961,
       -0.21191406, -0.17773438,  0.07373047,  0.1484375 , -0.07519531,
        0.02526855, -0.0703125 , -0.18164062,  0.01916504,  0.26757812,
       -0.12255859, -0.10351562,  0.05566406,  0.21484375, -0.00683594,
        0.19140625,  0.11767578, -0.08886719, -0.24023438, -0.21582031,
        0.13476562,  0.14746094,  0.06079102,  0.10253906,  0.1484375 ,
       -0.22558594, -0.05810547, -0.07763672, -0.01300049, -0.23730469,
        0.02111816,  0.09570312,  0.01324463, -0.05810547, -0.07373047,
        0.30664062,  0.0062561 ,  0.08691406, -0.21679688, -0.12255859,
       -0.05932617, -0.13476562, -0.05908203, -0.01940918,  0.03808594,
       -0.11865234, -0.09814453,  0.11083984, -0.24902344, -0.01977539,
       -0.17382812, -0.10253906,  0.140625  , -0.12597656,  0.17480469,
        0.17871094, -0.04052734,  0.01318359,  0.10839844, -0.05639648,
       -0.04467773, -0.18847656, -0.06103516, -0.05419922,  0.2421875 ,
        0.23339844,  0.02844238,  0.00656128, -0.12207031, -0.16113281,
        0.04736328, -0.28320312,  0.01287842,  0.13671875,  0.14648438,
       -0.359375  , -0.10644531, -0.17382812,  0.01293945, -0.21679688,
        0.13085938, -0.03833008,  0.06054688,  0.09912109, -0.12255859,
        0.04125977,  0.04077148,  0.11083984,  0.07226562,  0.24414062,
       -0.09179688, -0.07714844,  0.04223633,  0.09960938, -0.25      ,
       -0.09472656, -0.13671875,  0.03540039, -0.14453125, -0.12597656,
       -0.14257812,  0.11865234,  0.04223633,  0.06103516,  0.00421143,
        0.07568359, -0.00598145, -0.11523438,  0.04345703, -0.09472656,
       -0.05932617, -0.27734375,  0.04101562,  0.07861328, -0.00921631,
        0.03759766, -0.25390625,  0.18652344,  0.08496094, -0.11083984,
       -0.03222656, -0.08203125, -0.21875   , -0.03198242,  0.46484375,
       -0.15234375, -0.11474609,  0.08447266,  0.01599121,  0.16503906,
        0.14550781,  0.07763672,  0.02124023, -0.20996094, -0.20605469,
        0.10449219,  0.08203125,  0.1875    ,  0.1015625 , -0.03149414,
       -0.0133667 ,  0.02575684, -0.05200195,  0.15820312,  0.14257812,
       -0.00343323,  0.09326172,  0.05126953, -0.22558594,  0.06640625,
        0.13378906,  0.24316406,  0.00169373,  0.04516602, -0.03710938,
       -0.06396484,  0.12109375,  0.00823975, -0.046875  ,  0.09033203,
       -0.26171875,  0.03125   ,  0.00915527, -0.2109375 , -0.12890625,
       -0.30664062, -0.00085068, -0.125     , -0.00775146, -0.2578125 ,
       -0.01708984,  0.18164062,  0.1640625 ,  0.11572266,  0.06689453,
        0.15625   ,  0.25585938, -0.10644531,  0.06225586, -0.20605469,
        0.10400391, -0.07324219,  0.19921875,  0.10644531, -0.02563477,
        0.20703125, -0.11376953,  0.06787109, -0.08349609,  0.1171875 ,
        0.16894531,  0.15527344,  0.04125977,  0.13769531,  0.03955078,
        0.08789062, -0.13574219, -0.05664062,  0.17480469, -0.0055542 ,
        0.01953125, -0.07324219,  0.11425781, -0.03222656,  0.20996094,
       -0.04614258,  0.14648438,  0.11572266, -0.03320312, -0.06103516,
       -0.00976562,  0.06445312,  0.13574219, -0.14746094, -0.05639648,
        0.04589844, -0.18457031, -0.0222168 ,  0.02893066, -0.08984375,
        0.04248047,  0.01220703, -0.15332031,  0.3359375 ,  0.02026367,
        0.14648438,  0.15527344,  0.22851562, -0.26953125, -0.18066406,
        0.01342773,  0.01373291,  0.2578125 ,  0.06494141,  0.08642578,
        0.08056641, -0.02038574,  0.16894531,  0.20117188,  0.1328125 ,
       -0.25195312, -0.13964844,  0.20410156, -0.07128906,  0.01672363,
       -0.140625  , -0.1875    ,  0.08984375,  0.26367188,  0.31054688,
        0.10009766, -0.17285156, -0.09960938, -0.31445312,  0.11328125,
       -0.03417969, -0.234375  ,  0.00439453, -0.3046875 ,  0.12792969,
       -0.3828125 , -0.04980469, -0.06591797, -0.10839844, -0.02197266,
       -0.07910156, -0.13671875, -0.04150391,  0.07617188,  0.01135254,
        0.11962891, -0.2265625 ,  0.16113281, -0.08447266,  0.11914062,
       -0.12695312,  0.09472656, -0.2421875 ,  0.07128906, -0.06640625,
       -0.06542969, -0.04394531,  0.04370117,  0.47851562, -0.23144531],
      dtype=float32),
 'counseling': array([-5.90820312e-02,  7.37304688e-02, -1.91406250e-01,
8.00781250e-02,
```

```
 2.79296875e-01,  3.04687500e-01, -1.79443359e-02, -3.12500000e-02,
-2.31933594e-02, -3.37890625e-01,  1.60156250e-01,  6.98242188e-02,
-6.20117188e-02,  4.70703125e-01, -3.27148438e-02,  4.02343750e-01,
 1.08886719e-01, -4.27246094e-02,  6.49414062e-02, -4.49218750e-01,
 4.96093750e-01,  2.00195312e-01,  2.87109375e-01, -2.57812500e-01,
-1.23046875e-01, -9.61914062e-02, -4.47265625e-01,  1.61132812e-01,
-2.13623047e-02, -3.59375000e-01, -7.61718750e-02, -7.47070312e-02,
-3.39843750e-01, -8.49609375e-02, -2.12890625e-01, -1.70898438e-01,
-1.22070312e-01, -1.44531250e-01,  9.99450684e-04, -1.57226562e-01,
-2.23632812e-01,  6.44531250e-02, -2.18750000e-01, -2.13867188e-01,
-3.00781250e-01, -6.49414062e-02,  5.44433594e-02, -1.19628906e-01,
 4.17480469e-02,  1.96289062e-01,  6.83593750e-02, -1.45507812e-01,
-2.18750000e-01,  3.65234375e-01, -1.11816406e-01, -1.51977539e-02,
-4.58984375e-01,  7.42187500e-02, -4.33593750e-01, -3.33984375e-01,
-3.39843750e-01,  5.81054688e-02,  1.89453125e-01, -3.57055664e-03,
 1.54296875e-01,  4.71191406e-02,  1.28906250e-01, -9.66796875e-02,
 2.31933594e-02, -1.78710938e-01, -6.39648438e-02,  1.19628906e-01,
 3.04687500e-01,  2.81250000e-01, -1.63085938e-01, -2.35595703e-02,
 7.08007812e-02,  3.45703125e-01,  6.44531250e-02,  5.39550781e-02,
-1.30859375e-01,  5.22460938e-02, -2.96875000e-01, -2.74658203e-02,
 2.91748047e-02,  7.61718750e-02,  9.47265625e-02,  2.05078125e-01,
 2.51953125e-01, -4.92187500e-01,  1.04492188e-01, -2.36816406e-02,
 2.37304688e-01, -2.81250000e-01,  9.08203125e-02, -9.86328125e-02,
 2.92968750e-01, -3.58886719e-02,  2.44140625e-02, -2.25585938e-01,
 2.24609375e-01,  1.09863281e-02, -1.25000000e-01, -3.46679688e-02,
 5.07812500e-02, -2.94921875e-01,  1.12792969e-01, -2.91015625e-01,
 2.03125000e-01, -1.80664062e-01, -1.11694336e-02,  7.22656250e-02,
 9.47265625e-02, -7.86132812e-02,  4.10156250e-02, -2.06298828e-02,
-1.14257812e-01, -3.07617188e-02,  6.52343750e-01,  1.38671875e-01,
-1.67968750e-01,  2.00195312e-01, -3.02734375e-02,  2.51953125e-01,
-2.25585938e-01, -1.78710938e-01, -1.06933594e-01,  7.86132812e-02,
 4.86328125e-01,  2.42187500e-01, -1.25976562e-01, -3.04687500e-01,
-2.39257812e-01, -7.32421875e-02, -3.29971313e-04, -5.03906250e-01,
 1.55273438e-01, -2.83203125e-02, -1.11816406e-01, -3.46679688e-02,
-2.65625000e-01, -7.17773438e-02, -3.16406250e-01, -8.74023438e-02,
 6.78710938e-02,  6.73828125e-02, -2.02148438e-01,  2.09960938e-01,
-3.10546875e-01, -2.43164062e-01,  3.75000000e-01,  3.24218750e-01,
-2.33398438e-01, -1.47460938e-01, -4.68750000e-02, -2.05078125e-01,
-3.32031250e-02,  5.76171875e-02,  1.47460938e-01, -2.50000000e-01,
 7.86132812e-02,  2.96875000e-01, -2.07031250e-01,  1.01074219e-01,
-2.39257812e-01, -2.79541016e-02,  1.55273438e-01,  1.55273438e-01,
-7.22656250e-02, -1.46484375e-01,  2.46093750e-01, -1.62109375e-01,
 1.06933594e-01, -1.92382812e-01,  4.17968750e-01,  9.03320312e-02,
 1.38671875e-01,  2.14843750e-01, -3.18359375e-01,  1.77734375e-01,
-1.32812500e-01,  6.39648438e-02, -4.27246094e-02,  2.27539062e-01,
-2.13867188e-01, -3.59375000e-01, -1.52343750e-01, -3.63769531e-02,
 4.93164062e-02, -1.54296875e-01, -6.64062500e-02, -1.70898438e-02,
-1.60156250e-01,  7.95898438e-02, -5.98144531e-02, -1.74804688e-01,
-1.04980469e-01, -2.50000000e-01, -3.27148438e-02, -1.28906250e-01,
 7.22656250e-02,  1.39648438e-01, -2.94494629e-03, -2.59765625e-01,
 4.34570312e-02, -6.54296875e-02, -1.29882812e-01, -2.92968750e-01,
 2.36328125e-01, -1.49414062e-01, -2.05078125e-01, -2.22656250e-01,
-1.09252930e-02, -2.79296875e-01,  2.55859375e-01,  1.68945312e-01,
 1.19140625e-01,  2.46093750e-01, -3.33984375e-01, -4.12109375e-01,
-1.34765625e-01, -1.32812500e-01, -7.99560547e-03,  1.73339844e-02,
 8.10546875e-02, -3.45703125e-01,  4.91333008e-03, -1.76757812e-01,
-1.81640625e-01,  3.22265625e-02,  3.95507812e-02, -1.36718750e-01,
 2.92968750e-02, -5.88378906e-02, -7.17773438e-02, -9.88769531e-03,
-4.51660156e-03, -1.14746094e-01, -1.42578125e-01,  1.11816406e-01,
 2.03125000e-01,  9.03320312e-02,  1.00097656e-01, -2.08007812e-01,
-1.46484375e-01, -2.79296875e-01, -4.15039062e-02,  1.51367188e-01,
-6.93359375e-02, -2.29492188e-01, -1.03027344e-01,  1.31835938e-01,
 2.79296875e-01, -7.03125000e-02,  2.09960938e-01,  5.29785156e-02,
 1.01074219e-01, -1.46484375e-01,  1.09863281e-01,  2.59765625e-01,
```

```
         7.20214844e-03, -4.24194336e-03, -1.65039062e-01, -2.02148438e-01,
        -9.27734375e-02,  1.37695312e-01,  1.40625000e-01,  1.94335938e-01,
        -2.24609375e-01,  1.74804688e-01, -8.05664062e-02,  1.52343750e-01,
         3.49609375e-01,  2.08740234e-02, -4.22363281e-02,  4.37011719e-02,
        -8.34960938e-02, -4.22363281e-02, -2.35595703e-02, -1.58203125e-01,
        -5.81054688e-02, -2.83203125e-01,  3.88671875e-01,  1.25000000e-01,
        -2.87109375e-01,  7.03125000e-02,  3.53515625e-01,  2.77343750e-01,
         1.04492188e-01,  9.03320312e-02, -6.73828125e-02,  1.37695312e-01,
         5.41992188e-02,  1.01562500e-01,  2.83203125e-02,  1.50390625e-01,
        -5.37109375e-02,  9.81445312e-02, -1.12304688e-02,  1.22070312e-0
1],
       dtype=float32),
 'internship': array([-3.53515625e-01, -1.41601562e-01, -4.31640625e-01,
3.39355469e-02,
         4.84375000e-01,  4.19921875e-02,  1.59179688e-01, -1.67968750e-01,
        -2.89062500e-01, -1.63085938e-01,  2.57812500e-01,  1.05468750e-01,
        -3.46679688e-02, -8.83789062e-02, -1.08886719e-01,  1.87500000e-01,
         1.24511719e-01,  1.29882812e-01,  2.12890625e-01, -2.22656250e-01,
        -8.20312500e-02,  6.28906250e-01,  4.90722656e-02,  1.23535156e-01,
        -1.40625000e-01, -7.17773438e-02, -8.69140625e-02, -1.33789062e-01,
        -2.47070312e-01, -6.50024414e-03, -7.71484375e-02, -7.86132812e-02,
        -2.59765625e-01,  4.29687500e-01,  7.81250000e-02, -6.54296875e-02,
        -8.44726562e-02, -2.51953125e-01,  7.91015625e-02, -7.32421875e-02,
        -7.03125000e-02, -2.01171875e-01, -2.67578125e-01, -1.60156250e-01,
        -2.77343750e-01, -1.49536133e-02, -8.39843750e-02,  2.24609375e-02,
         6.12792969e-02,  3.96484375e-01,  2.51953125e-01, -2.21679688e-01,
         1.39648438e-01,  3.34472656e-02,  4.80957031e-02, -2.89062500e-01,
         1.92382812e-01,  5.95703125e-02, -2.65625000e-01, -4.14062500e-01,
         1.19628906e-01, -1.28173828e-02, -2.06054688e-01, -4.71191406e-02,
        -1.54296875e-01, -8.59375000e-02, -1.08032227e-02, -1.09863281e-01,
         1.59179688e-01, -1.44531250e-01, -2.87109375e-01, -1.68945312e-01,
         2.23388672e-02, -2.14843750e-01, -1.57226562e-01,  1.99218750e-01,
         1.19018555e-02,  2.91015625e-01,  2.60925293e-03, -9.46044922e-03,
         4.10156250e-02,  4.05273438e-02, -2.75390625e-01, -4.66918945e-03,
        -2.05078125e-01,  3.32031250e-01,  4.78515625e-02,  2.18750000e-01,
         1.87500000e-01, -2.41210938e-01, -2.94921875e-01, -2.21679688e-01,
        -4.88281250e-01, -1.01074219e-01,  4.37500000e-01,  8.44726562e-02,
         3.00781250e-01,  1.24511719e-01,  2.40234375e-01, -2.55859375e-01,
        -2.07519531e-02, -2.45117188e-01, -2.73437500e-01, -3.02734375e-01,
         2.57812500e-01, -1.85546875e-01, -2.02148438e-01, -2.63671875e-01,
         9.81445312e-02, -8.34960938e-02, -1.44531250e-01,  6.25000000e-02,
         1.39648438e-01, -2.35351562e-01,  1.24511719e-01, -9.71679688e-02,
         8.30078125e-02,  1.61132812e-01,  4.74609375e-01, -5.15136719e-02,
        -1.35742188e-01, -3.43750000e-01, -2.04101562e-01,  3.67187500e-01,
        -9.57031250e-02, -3.85742188e-02,  2.30468750e-01,  1.62109375e-01,
         1.04492188e-01,  2.61718750e-01, -2.55859375e-01, -3.49609375e-01,
        -7.37304688e-02, -2.29492188e-01, -2.43164062e-01,  2.09960938e-01,
        -6.59179688e-02,  1.41601562e-01, -7.71484375e-02,  1.10839844e-01,
        -3.04687500e-01,  8.10546875e-02, -1.79687500e-01, -1.19018555e-02,
         2.29492188e-02,  1.73828125e-01, -1.51367188e-01, -1.22070312e-02,
        -2.55126953e-02, -1.45507812e-01,  4.00390625e-01,  4.53125000e-01,
         8.44726562e-02,  2.85156250e-01,  3.55468750e-01, -3.73046875e-01,
        -2.29492188e-01, -2.08007812e-01, -1.40380859e-02,  1.00097656e-01,
        -2.52685547e-02,  2.40234375e-01, -2.12890625e-01,  3.73046875e-01,
         4.66308594e-02,  3.32031250e-01,  3.57421875e-01, -2.22656250e-01,
        -1.39648438e-01,  9.96093750e-02,  2.50000000e-01,  1.81640625e-01,
        -6.98242188e-02,  5.00488281e-03, -7.86132812e-02, -9.03320312e-02,
         1.19628906e-01, -8.74023438e-02, -3.24707031e-02, -2.87109375e-01,
        -5.31250000e-01,  1.22070312e-02,  6.54296875e-02, -1.53320312e-01,
         1.25122070e-02, -2.14843750e-01,  8.54492188e-02,  7.27539062e-02,
         2.11914062e-01, -2.82287598e-04, -1.45507812e-01,  2.94189453e-02,
         1.87500000e-01,  3.35937500e-01, -3.44238281e-02,  1.23046875e-01,
         2.92968750e-01, -7.32421875e-02,  1.13281250e-01, -1.33789062e-01,
         1.58691406e-02,  3.24218750e-01,  2.65625000e-01,  4.88281250e-02,
```

```
        -3.86718750e-01, -3.43750000e-01, -3.30078125e-01, -8.64257812e-02,
         2.79296875e-01,  2.46093750e-01, -3.66210938e-02, -2.44140625e-01,
        -1.67968750e-01, -1.10351562e-01,  2.96875000e-01,  2.71484375e-01,
         2.61718750e-01, -1.57226562e-01,  2.67578125e-01, -3.10546875e-01,
        -1.26953125e-02, -6.20117188e-02, -1.39648438e-01,  2.75390625e-01,
         1.38671875e-01, -2.81982422e-02, -1.31225586e-02, -1.32812500e-01,
        -4.00390625e-01, -2.19726562e-01,  9.86328125e-02, -7.27539062e-02,
         5.73730469e-02, -4.78515625e-01,  3.37890625e-01, -1.18164062e-01,
         2.10571289e-03,  6.07910156e-02, -4.29687500e-01,  4.25781250e-01,
        -5.43212891e-03,  2.01171875e-01, -2.67578125e-01, -2.47070312e-01,
        -1.40625000e-01, -9.91210938e-02, -3.18359375e-01, -1.72851562e-01,
        -2.63671875e-01, -4.10156250e-01, -2.97851562e-02, -6.68945312e-02,
        -1.66015625e-01,  6.07910156e-02,  3.95507812e-02,  1.99218750e-01,
         1.06933594e-01,  2.85156250e-01, -3.88671875e-01,  1.28906250e-01,
         4.23828125e-01,  2.29492188e-02,  2.32421875e-01,  1.89453125e-01,
        -6.34765625e-02,  1.29882812e-01,  1.22558594e-01, -3.34472656e-02,
        -3.69140625e-01,  1.59179688e-01,  6.64062500e-02, -2.72216797e-02,
         1.80664062e-01,  1.40625000e-01, -2.09960938e-01, -3.86718750e-01,
         4.71191406e-02, -3.83300781e-02,  1.92260742e-03,  3.61328125e-01,
        -5.44433594e-02, -2.20703125e-01, -2.61718750e-01,  5.54687500e-01,
        -2.25585938e-01,  1.91406250e-01, -3.44238281e-02,  1.74804688e-01,
         2.24304199e-03, -2.87109375e-01, -3.28125000e-01, -1.05957031e-01,
        -4.10156250e-01, -3.88183594e-02, -1.92260742e-03,  1.02539062e-01,
         6.78710938e-02, -1.21093750e-01, -9.72747803e-04,  4.49218750e-0
2],
       dtype=float32),
 'formal': array([-2.08007812e-01, -1.68945312e-01,  3.08990479e-04, -6.689
45312e-02,
        -1.10351562e-01, -2.10937500e-01,  1.17675781e-01, -1.47460938e-01,
         1.87500000e-01,  1.62353516e-02, -1.71875000e-01,  3.06701660e-03,
         1.21582031e-01,  2.37304688e-01, -2.05078125e-01,  1.11816406e-01,
         3.41796875e-01, -9.81445312e-02,  5.54199219e-02, -1.70898438e-01,
        -1.04003906e-01,  8.93554688e-02, -1.96289062e-01, -9.66796875e-02,
        -1.86767578e-02,  1.64062500e-01,  2.25830078e-02, -1.03027344e-01,
         1.06445312e-01, -1.75781250e-02, -4.88281250e-03,  3.07617188e-02,
        -1.79687500e-01, -1.63085938e-01, -1.55273438e-01, -2.33398438e-01,
         1.18164062e-01, -6.29882812e-02, -6.59179688e-02, -4.49218750e-01,
        -3.46679688e-02, -7.66601562e-02,  5.07812500e-02,  1.76757812e-01,
         1.44531250e-01, -1.29882812e-01, -9.13085938e-02,  1.05468750e-01,
        -1.84570312e-01,  2.59765625e-01,  1.65039062e-01, -2.41210938e-01,
        -3.19824219e-02,  3.87573242e-03, -5.37109375e-02,  1.51367188e-01,
        -1.81640625e-01, -3.94531250e-01,  5.56640625e-02, -1.04980469e-01,
        -2.28515625e-01,  5.32226562e-02, -6.07910156e-02, -1.13281250e-01,
        -1.85546875e-01,  6.34765625e-02, -2.34375000e-01,  9.32617188e-02,
        -1.12304688e-01,  2.94189453e-02,  4.34570312e-02, -2.34375000e-02,
        -6.29882812e-02,  2.83203125e-01,  5.73730469e-02, -5.76782227e-03,
         2.96875000e-01,  9.57031250e-02,  2.61718750e-01,  1.81640625e-01,
         1.76757812e-01, -2.63671875e-01, -1.20605469e-01,  2.02148438e-01,
         3.27148438e-02, -2.98828125e-01, -1.44531250e-01, -3.03955078e-02,
         2.59765625e-01,  1.71875000e-01,  8.93554688e-02, -2.04101562e-01,
        -2.55859375e-01, -1.61132812e-01,  1.12792969e-01, -2.01171875e-01,
         6.03027344e-02, -1.26953125e-01, -2.09960938e-01, -3.16406250e-01,
         9.81445312e-02, -1.48437500e-01, -1.39648438e-01,  1.26647949e-03,
        -1.88476562e-01, -9.13085938e-02,  1.68945312e-01,  1.12915039e-02,
         1.27929688e-01, -2.27539062e-01, -8.20312500e-02,  1.14746094e-01,
        -1.25732422e-02, -1.34765625e-01,  3.44848633e-03,  3.71093750e-02,
         1.08886719e-01,  1.11083984e-02,  8.10546875e-02,  1.78710938e-01,
        -2.72216797e-02,  1.06811523e-02, -1.60156250e-01,  1.79687500e-01,
        -1.35040283e-03, -1.01318359e-02,  2.32421875e-01,  8.83789062e-02,
        -6.25000000e-02,  1.68945312e-01, -9.76562500e-02, -6.98242188e-02,
         4.66308594e-02,  9.76562500e-02,  1.15966797e-02, -1.86767578e-02,
        -1.45507812e-01,  4.29687500e-02,  4.56542969e-02, -1.23046875e-01,
        -3.18359375e-01,  6.25000000e-02,  2.86865234e-02, -2.73437500e-01,
        -2.12890625e-01,  1.81640625e-01, -2.79296875e-01,  6.22558594e-02,
```

```
        -3.17382812e-02,  1.03515625e-01,  1.50390625e-01,  1.40625000e-01,
        -7.81250000e-02, -1.13769531e-01,  1.29882812e-01, -1.71875000e-01,
        -1.37695312e-01, -6.40869141e-03,  3.14941406e-02,  1.72851562e-01,
        -4.78515625e-02,  6.54296875e-02, -2.19726562e-02,  1.05468750e-01,
         1.40625000e-01,  8.93554688e-02, -3.19824219e-02,  2.80761719e-02,
         2.58789062e-02, -1.72119141e-02,  3.44238281e-02, -1.06933594e-01,
        -1.47460938e-01, -1.57470703e-02,  2.92968750e-01, -9.47265625e-02,
         6.34765625e-02,  1.89453125e-01,  6.73828125e-02,  1.20117188e-01,
        -8.10546875e-02, -1.35742188e-01, -2.06054688e-01,  2.52685547e-02,
         1.07421875e-02,  2.32421875e-01,  3.45703125e-01, -1.41601562e-01,
         3.32031250e-02, -4.00390625e-02, -1.23535156e-01,  6.93359375e-02,
        -2.15820312e-01,  7.47070312e-02,  1.23535156e-01, -6.59179688e-02,
        -6.17675781e-02, -1.95312500e-01,  1.50146484e-02, -1.47094727e-02,
         5.81054688e-02,  8.69140625e-02,  5.78613281e-02,  3.20312500e-01,
         1.33789062e-01,  8.00781250e-02,  1.38671875e-01, -9.61914062e-02,
         1.69921875e-01, -2.27050781e-02,  5.76171875e-02, -3.68652344e-02,
         1.84326172e-02, -1.13769531e-01, -3.41796875e-02, -8.93554688e-02,
         1.07421875e-01,  1.32812500e-01,  1.28906250e-01,  2.42919922e-02,
        -1.08642578e-02, -4.41894531e-02, -1.87500000e-01,  1.14746094e-01,
         2.79296875e-01, -2.87109375e-01,  1.90429688e-01,  2.99072266e-02,
         2.69531250e-01,  1.88476562e-01, -4.76074219e-02, -1.90429688e-02,
        -1.59179688e-01,  3.33984375e-01,  2.71484375e-01, -2.00195312e-01,
         1.06933594e-01, -1.36718750e-01,  1.64062500e-01, -8.59375000e-02,
         1.05957031e-01, -2.94921875e-01, -7.71484375e-02,  1.23535156e-01,
         5.68847656e-02, -1.26953125e-01,  1.08886719e-01, -1.36718750e-01,
         2.26562500e-01, -2.51953125e-01,  9.08203125e-02,  2.65625000e-01,
         5.15136719e-02,  7.56835938e-02, -2.31933594e-02, -1.25000000e-01,
         9.47265625e-02,  1.40625000e-01, -2.27539062e-01,  1.08886719e-01,
         1.80664062e-01, -2.22656250e-01, -1.42578125e-01, -1.98242188e-01,
         1.37695312e-01,  1.38671875e-01, -1.32812500e-01, -1.95312500e-01,
        -1.25000000e-01,  1.72119141e-02,  9.71679688e-02,  3.75000000e-01,
         2.69531250e-01, -8.34960938e-02,  1.32812500e-01, -1.50390625e-01,
        -7.86132812e-02, -8.30078125e-02,  4.15039062e-02,  1.14257812e-01,
        -4.58984375e-02, -1.01074219e-01,  6.83593750e-02,  1.28906250e-01,
         2.69531250e-01,  1.30859375e-01,  2.92968750e-01,  2.94921875e-01,
         8.64257812e-02, -1.10626221e-03, -1.59179688e-01, -1.59179688e-01,
        -1.41601562e-01,  2.91015625e-01,  1.35742188e-01,  9.52148438e-02,
         1.41601562e-01,  3.17382812e-02, -2.89062500e-01,  8.15429688e-0
2],
       dtype=float32),
 'pervasive': array([ 0.16015625, -0.07177734, -0.37109375,  0.07714844, -
0.35546875,
         0.07910156,  0.17773438,  0.03076172,  0.26171875,  0.13964844,
        -0.0625    , -0.13867188,  0.13867188,  0.03808594,  0.02929688,
        -0.02941895,  0.00369263, -0.08447266, -0.03955078, -0.15820312,
        -0.23925781,  0.01446533,  0.06787109,  0.08544922,  0.00518799,
        -0.25976562,  0.04833984, -0.11474609,  0.11621094, -0.18164062,
        -0.15625   , -0.06738281,  0.08447266,  0.00154877, -0.01843262,
        -0.11328125,  0.09521484, -0.05200195,  0.23144531,  0.02478027,
         0.24609375,  0.10693359,  0.001091  , -0.07568359, -0.08544922,
         0.265625  , -0.3828125 ,  0.05371094, -0.20703125, -0.08398438,
         0.39648438, -0.00668335, -0.22363281, -0.02807617,  0.15722656,
         0.12451172,  0.03857422, -0.328125  ,  0.00332642, -0.17382812,
        -0.04760742,  0.22265625, -0.02905273,  0.27148438, -0.23046875,
         0.05786133, -0.23535156,  0.41015625, -0.04589844, -0.10546875,
        -0.02600098, -0.12353516, -0.16601562,  0.06689453,  0.03759766,
        -0.11181641,  0.15332031,  0.18554688,  0.21777344,  0.2734375 ,
        -0.02416992,  0.02612305,  0.05688477, -0.04467773, -0.27148438,
        -0.13769531, -0.15722656,  0.16503906, -0.13964844,  0.14648438,
         0.14257812, -0.30859375,  0.06103516,  0.17285156, -0.04638672,
         0.23535156,  0.21777344,  0.15136719,  0.19824219,  0.02563477,
        -0.15917969,  0.16210938, -0.34960938, -0.12451172, -0.13378906,
        -0.06054688, -0.19335938, -0.13671875, -0.02941895, -0.3828125 ,
        -0.10058594, -0.14453125, -0.33398438, -0.22753906,  0.10546875,
```

```
         0.03198242,  0.11523438,  0.10351562,  0.26757812,  0.24023438,
        -0.25976562,  0.00946045, -0.13574219, -0.18066406,  0.02270508,
        -0.15820312,  0.05151367,  0.23046875,  0.06494141,  0.11035156,
         0.02404785,  0.07373047,  0.10498047,  0.06225586, -0.05883789,
        -0.00063705,  0.26171875,  0.11962891,  0.07226562, -0.21386719,
        -0.04980469, -0.13378906,  0.1328125 ,  0.17871094, -0.05712891,
        -0.28125   , -0.0005188 ,  0.09130859, -0.11865234, -0.00698853,
         0.234375  , -0.10546875,  0.10595703,  0.03369141, -0.1015625 ,
        -0.00121307, -0.15527344, -0.21289062, -0.21484375, -0.3125    ,
         0.21289062, -0.03710938, -0.28320312, -0.36328125, -0.12304688,
         0.02526855, -0.03735352, -0.13769531,  0.01464844,  0.14160156,
         0.04760742,  0.15820312, -0.078125  ,  0.04663086, -0.03112793,
         0.28320312, -0.17089844, -0.14257812, -0.07324219, -0.00231934,
        -0.13476562,  0.22363281,  0.01794434, -0.20703125, -0.04638672,
         0.33203125, -0.08984375,  0.06396484, -0.07177734,  0.23925781,
         0.16015625, -0.0390625 ,  0.02124023, -0.22265625, -0.296875  ,
         0.05078125, -0.15527344,  0.05029297, -0.00222778, -0.08789062,
         0.15917969,  0.38085938,  0.15722656,  0.05175781, -0.03735352,
         0.10205078,  0.20996094,  0.08837891, -0.14941406, -0.10400391,
        -0.11474609, -0.08691406, -0.17382812,  0.11328125,  0.07666016,
         0.08056641,  0.01403809,  0.05639648, -0.1953125 ,  0.03955078,
        -0.22558594, -0.03125   ,  0.11669922,  0.10742188, -0.07373047,
         0.012146  ,  0.4140625 , -0.18554688, -0.10009766, -0.15625   ,
        -0.19238281,  0.04003906,  0.16894531, -0.08544922,  0.05151367,
         0.09570312, -0.02844238, -0.078125  ,  0.17578125,  0.05639648,
         0.2265625 , -0.44140625,  0.12988281, -0.07714844, -0.12695312,
         0.18945312, -0.05761719,  0.06225586,  0.1015625 ,  0.12792969,
         0.11132812,  0.10205078,  0.234375  ,  0.05786133, -0.10351562,
        -0.34179688, -0.10449219, -0.04248047,  0.09130859, -0.11230469,
         0.14160156, -0.14355469,  0.06542969, -0.13183594, -0.00227356,
         0.08105469, -0.15722656, -0.21679688,  0.04736328,  0.07617188,
        -0.25976562,  0.34179688, -0.25976562,  0.00576782, -0.01794434,
        -0.12451172, -0.30078125,  0.03320312, -0.08056641, -0.04199219,
        -0.09570312, -0.00166321,  0.20117188, -0.06982422, -0.10498047,
        -0.01287842,  0.17675781, -0.05053711,  0.07324219, -0.07324219,
        -0.32226562,  0.02819824,  0.16503906,  0.06738281, -0.03100586,
        -0.171875  , -0.07226562, -0.12255859,  0.31445312,  0.07714844],
       dtype=float32),
 'developmental': array([-0.23730469,  0.23632812, -0.17480469,  0.21875
,  0.03149414,
        -0.24121094,  0.1953125 , -0.03112793, -0.12890625, -0.28515625,
         0.09326172, -0.109375  ,  0.10693359,  0.13964844, -0.234375  ,
         0.09228516, -0.25390625,  0.35742188, -0.06005859,  0.11425781,
        -0.29101562,  0.11230469, -0.17773438,  0.29101562, -0.01068115,
        -0.07519531, -0.06225586, -0.06396484, -0.04077148,  0.01757812,
        -0.2734375 , -0.12695312, -0.02539062, -0.00552368, -0.08447266,
        -0.20507812,  0.03149414, -0.14648438, -0.05761719, -0.25195312,
         0.08349609,  0.16210938,  0.10498047,  0.22460938, -0.15234375,
        -0.08300781, -0.09716797,  0.08398438, -0.16113281,  0.01013184,
        -0.01721191,  0.0559082 , -0.10449219, -0.00762939,  0.02478027,
         0.125     , -0.06640625, -0.16113281,  0.00494385, -0.10742188,
        -0.28320312,  0.05908203,  0.45898438, -0.16699219, -0.05200195,
         0.04467773,  0.14648438,  0.34765625,  0.0234375 ,  0.12353516,
         0.25390625, -0.17675781,  0.04370117, -0.08544922,  0.15039062,
         0.07324219, -0.22851562,  0.08447266, -0.0144043 ,  0.21972656,
         0.00165558,  0.25585938, -0.28710938,  0.13671875,  0.10449219,
        -0.21289062,  0.19042969, -0.07275391, -0.03515625, -0.01928711,
        -0.03710938, -0.34375   , -0.13085938, -0.21484375,  0.08642578,
         0.03515625,  0.33007812, -0.08398438, -0.10498047,  0.25195312,
         0.14746094,  0.11669922,  0.13085938, -0.13769531, -0.02905273,
        -0.203125  ,  0.18164062, -0.03063965,  0.10449219,  0.22460938,
        -0.25195312,  0.16113281, -0.23925781,  0.09423828,  0.078125  ,
         0.25195312,  0.06835938,  0.08300781,  0.27929688, -0.10888672,
        -0.13476562,  0.04125977, -0.19433594, -0.00370789, -0.34765625,
```

```
        -0.08642578, -0.13085938,  0.16015625, -0.34570312,  0.09521484,
         0.02832031, -0.10498047, -0.10351562, -0.25976562, -0.22851562,
        -0.18945312, -0.00393677, -0.00964355, -0.00933838,  0.14257812,
         0.16015625, -0.0112915 , -0.296875  ,  0.08154297, -0.02539062,
         0.15039062,  0.00113678,  0.16992188, -0.04760742, -0.12597656,
        -0.00848389, -0.15039062, -0.22460938, -0.08789062, -0.0032196 ,
        -0.08349609, -0.04150391, -0.15820312,  0.2421875 , -0.28125   ,
         0.12890625, -0.0378418 , -0.04467773,  0.30273438,  0.04785156,
        -0.05932617,  0.20996094, -0.23535156,  0.16992188,  0.01928711,
         0.19921875, -0.1796875 ,  0.02075195, -0.10351562,  0.46484375,
         0.06640625,  0.14648438, -0.40625   ,  0.03540039,  0.06103516,
        -0.10742188, -0.05859375,  0.09326172,  0.2265625 , -0.17382812,
         0.3203125 , -0.12451172, -0.04370117,  0.01171875,  0.07861328,
        -0.05517578, -0.09912109, -0.22851562, -0.18945312,  0.23828125,
        -0.12695312, -0.09765625,  0.03613281,  0.26953125, -0.20410156,
         0.23046875, -0.07226562, -0.03369141, -0.27539062,  0.08007812,
        -0.28710938,  0.08056641, -0.26367188,  0.26953125,  0.24414062,
        -0.15429688, -0.1875    , -0.07226562,  0.19824219,  0.00921631,
        -0.02502441,  0.4375    , -0.03930664, -0.06030273, -0.15332031,
         0.11914062, -0.08886719,  0.25976562,  0.09863281,  0.11083984,
        -0.17382812, -0.18066406, -0.02575684, -0.22949219,  0.20410156,
         0.23144531, -0.01928711,  0.03271484, -0.04785156, -0.140625  ,
         0.02172852,  0.00215149, -0.07666016,  0.07226562, -0.20800781,
        -0.17675781,  0.10888672, -0.07177734, -0.16894531, -0.17675781,
        -0.05981445, -0.0480957 , -0.12109375, -0.24414062, -0.1328125 ,
         0.328125  , -0.078125  ,  0.08691406,  0.05883789,  0.13867188,
        -0.17089844,  0.05224609,  0.01550293, -0.2265625 , -0.18457031,
        -0.13378906,  0.14257812, -0.00708008,  0.08837891,  0.0559082 ,
         0.15722656, -0.06005859,  0.12207031, -0.24804688,  0.18847656,
        -0.14257812,  0.02685547,  0.04150391, -0.17382812, -0.00326538,
         0.20898438, -0.10058594, -0.13574219, -0.15625   , -0.13769531,
         0.2734375 , -0.04345703,  0.0534668 ,  0.17089844, -0.10839844,
        -0.04589844, -0.02270508, -0.13671875,  0.15332031, -0.15722656,
        -0.25195312,  0.09619141, -0.08886719, -0.3203125 , -0.25390625,
         0.10351562, -0.16796875,  0.02404785, -0.11279297, -0.08740234],
       dtype=float32),
 'disorder': array([ 0.02160645, -0.10253906, -0.0546875 ,  0.24511719, -0.
38867188,
         0.109375  ,  0.07617188, -0.31640625, -0.08984375, -0.37109375,
        -0.05566406, -0.21191406, -0.10058594,  0.25      ,  0.00723267,
         0.24414062, -0.22265625,  0.17773438,  0.00460815, -0.14550781,
         0.11132812, -0.45507812,  0.1484375 , -0.12353516, -0.25195312,
        -0.03039551,  0.01965332,  0.11816406, -0.12011719, -0.0559082 ,
        -0.29296875, -0.20019531, -0.12060547, -0.20019531, -0.23339844,
        -0.34570312, -0.00933838, -0.3046875 , -0.20703125,  0.01220703,
         0.0168457 , -0.09375   ,  0.01245117,  0.05957031, -0.16992188,
         0.00300598, -0.05029297, -0.1171875 , -0.5390625 , -0.09130859,
        -0.19140625,  0.08886719, -0.328125  ,  0.0039978 ,  0.51171875,
         0.08300781, -0.24804688, -0.25585938, -0.41210938, -0.24414062,
        -0.0246582 ,  0.19042969, -0.09960938, -0.13476562, -0.21386719,
         0.15625   ,  0.19628906,  0.08203125, -0.02209473,  0.12792969,
         0.1328125 , -0.03222656,  0.04833984, -0.05883789,  0.11669922,
        -0.05273438,  0.17871094, -0.11132812, -0.19433594,  0.15429688,
        -0.203125  , -0.15234375,  0.14648438,  0.17285156, -0.14257812,
        -0.32617188,  0.11181641,  0.15625   , -0.203125  , -0.13867188,
         0.06494141, -0.21484375, -0.01916504,  0.00238037, -0.04516602,
        -0.18261719,  0.296875  ,  0.03515625, -0.05273438,  0.24023438,
         0.36523438,  0.11865234,  0.09716797, -0.0267334 ,  0.13378906,
        -0.20605469,  0.01281738,  0.05102539,  0.04418945, -0.19433594,
        -0.22265625, -0.24414062,  0.20605469, -0.12109375,  0.40039062,
        -0.109375  , -0.36328125, -0.08251953, -0.05859375, -0.00430298,
        -0.0177002 ,  0.04101562, -0.10107422, -0.19140625,  0.14355469,
        -0.24609375, -0.1328125 , -0.04541016, -0.04150391, -0.03271484,
         0.48242188, -0.23242188, -0.25195312,  0.2109375 , -0.15039062,
```

```
        -0.16796875, -0.0625    ,  0.34960938, -0.16015625,  0.00787354,
         0.21191406,  0.20019531, -0.16601562,  0.1484375 , -0.21289062,
        -0.03369141, -0.33789062, -0.04077148, -0.43164062, -0.09179688,
         0.32421875, -0.01177979, -0.07617188,  0.23828125, -0.21484375,
        -0.20605469, -0.16210938, -0.34375   , -0.13867188, -0.19238281,
         0.40039062,  0.1953125 ,  0.43945312, -0.07080078, -0.22167969,
         0.1953125 ,  0.109375  , -0.12207031,  0.21484375,  0.06298828,
         0.33007812, -0.02563477,  0.02819824,  0.03833008,  0.04321289,
         0.00650024,  0.27929688, -0.05200195, -0.02172852,  0.01409912,
         0.1171875 ,  0.2109375 , -0.11767578,  0.00250244,  0.0291748 ,
         0.08642578,  0.078125  ,  0.03833008, -0.21777344, -0.05761719,
         0.03320312, -0.06079102, -0.2578125 , -0.19628906, -0.04663086,
        -0.07128906, -0.07275391,  0.08203125, -0.2890625 , -0.14355469,
         0.06225586,  0.08935547,  0.04907227, -0.19238281,  0.19140625,
        -0.07519531,  0.2265625 , -0.10302734,  0.39257812,  0.02294922,
        -0.54296875, -0.2890625 ,  0.0246582 ,  0.28125   , -0.24511719,
        -0.18945312,  0.04492188, -0.12255859, -0.16210938, -0.0703125 ,
         0.02172852, -0.10791016,  0.44140625, -0.06494141,  0.11621094,
        -0.08789062, -0.04418945,  0.12304688, -0.15136719,  0.19726562,
         0.26953125, -0.20605469,  0.203125  ,  0.24414062, -0.43359375,
        -0.24023438, -0.09179688,  0.07470703,  0.125     , -0.1640625 ,
         0.16308594, -0.42382812,  0.02270508,  0.01599121,  0.10449219,
         0.25390625,  0.20507812, -0.12792969, -0.01361084, -0.20800781,
         0.25585938, -0.30859375,  0.01324463,  0.12792969, -0.17773438,
        -0.0559082 ,  0.11035156,  0.06005859,  0.06640625,  0.23046875,
        -0.0133667 ,  0.04125977,  0.00662231,  0.05175781, -0.41992188,
         0.16308594,  0.01855469, -0.06152344, -0.01495361, -0.15332031,
        -0.24121094,  0.31054688,  0.08691406, -0.06298828,  0.00176239,
        -0.03637695,  0.08544922,  0.12109375, -0.1640625 , -0.04956055,
        -0.02246094,  0.03662109, -0.3203125 ,  0.05175781, -0.05712891,
        -0.12792969,  0.11669922, -0.24609375,  0.10400391,  0.16113281,
         0.07080078, -0.17871094,  0.01263428, -0.11621094, -0.28125   ,
         0.0390625 , -0.03735352, -0.00224304,  0.50390625,  0.19433594],
       dtype=float32),
 'analytic': array([ 0.08447266, -0.11425781,  0.03369141,  0.13867188, -0.
07275391,
         0.12451172, -0.04516602, -0.0213623 ,  0.13476562, -0.07470703,
         0.08154297, -0.125     ,  0.03076172,  0.13671875, -0.09570312,
         0.05541992,  0.16894531,  0.14257812, -0.06347656, -0.27734375,
        -0.28320312, -0.14160156, -0.21191406,  0.32421875,  0.19335938,
         0.01940918,  0.21289062,  0.22265625, -0.375     , -0.2109375 ,
         0.09082031,  0.14550781, -0.13085938,  0.26757812,  0.02832031,
        -0.05932617, -0.04663086,  0.07080078,  0.18066406, -0.08300781,
         0.19921875,  0.11279297,  0.03491211,  0.10107422,  0.09082031,
        -0.00274658, -0.33203125, -0.390625  ,  0.0135498 ,  0.25390625,
         0.18945312, -0.05444336, -0.58203125, -0.09375   , -0.03442383,
         0.13476562,  0.02038574, -0.10791016,  0.32617188, -0.15527344,
         0.01367188, -0.12988281, -0.16992188,  0.01391602, -0.3671875 ,
         0.50390625,  0.0145874 ,  0.05175781,  0.23046875, -0.27734375,
         0.16992188, -0.23828125,  0.29882812, -0.03979492,  0.09326172,
        -0.07470703,  0.45898438, -0.09423828,  0.08349609, -0.15234375,
         0.09033203,  0.27734375,  0.06347656, -0.1484375 ,  0.1875    ,
        -0.14746094,  0.22265625,  0.18164062, -0.1875    , -0.03393555,
         0.09716797, -0.34765625, -0.22460938,  0.24023438, -0.16796875,
        -0.12060547, -0.09423828, -0.02111816,  0.05664062, -0.13378906,
         0.25      ,  0.01086426, -0.00830078, -0.140625  ,  0.03125   ,
         0.10498047,  0.01623535,  0.43164062,  0.09765625,  0.01586914,
        -0.03149414, -0.078125  , -0.07910156,  0.18945312,  0.24609375,
         0.27539062, -0.03686523,  0.09472656,  0.4375    , -0.0378418 ,
        -0.25585938, -0.05493164, -0.13183594, -0.07861328,  0.0267334 ,
        -0.22753906, -0.13183594,  0.29101562, -0.00405884,  0.02099609,
        -0.20117188, -0.21875   , -0.00222778, -0.04443359, -0.04370117,
        -0.10253906,  0.21875   , -0.09521484,  0.12597656, -0.08886719,
         0.06787109, -0.40429688, -0.265625  ,  0.16113281, -0.17578125,
```

```
         0.00665283, -0.00073624,  0.09277344,  0.09472656, -0.06201172,
        -0.22949219,  0.0390625 , -0.24121094, -0.01879883,  0.02832031,
        -0.19628906, -0.03222656, -0.0201416 , -0.20214844, -0.19726562,
        -0.08056641, -0.3046875 , -0.18359375,  0.0859375 , -0.0546875 ,
         0.06787109,  0.21289062, -0.03442383, -0.20214844,  0.07763672,
        -0.171875  , -0.25195312, -0.05395508,  0.05273438,  0.22558594,
         0.12597656,  0.12109375, -0.06640625, -0.23828125, -0.34375   ,
         0.03515625, -0.17675781,  0.22949219, -0.22753906,  0.03515625,
         0.08300781, -0.09423828,  0.12597656, -0.18164062,  0.08056641,
        -0.40234375, -0.12060547,  0.03930664, -0.25585938, -0.08447266,
         0.01538086,  0.34765625, -0.31835938, -0.09033203, -0.06933594,
        -0.4140625 , -0.06835938, -0.08886719,  0.20019531, -0.02490234,
         0.07714844,  0.18359375,  0.11523438,  0.10986328, -0.37109375,
        -0.12597656, -0.32421875, -0.20019531,  0.13183594, -0.25195312,
        -0.13378906,  0.1328125 ,  0.39648438, -0.05493164, -0.13867188,
        -0.30664062,  0.27539062,  0.17285156, -0.5       ,  0.12451172,
        -0.01361084,  0.25195312,  0.14550781,  0.11181641, -0.03125   ,
         0.13964844, -0.09619141,  0.12158203, -0.11669922, -0.09716797,
        -0.06445312, -0.20605469,  0.14746094,  0.08203125,  0.02539062,
         0.0291748 ,  0.05175781, -0.25390625,  0.29296875, -0.25390625,
        -0.23632812, -0.0703125 ,  0.41601562, -0.18554688, -0.359375  ,
         0.14257812, -0.17480469, -0.06640625,  0.41015625,  0.07910156,
         0.00958252, -0.10253906, -0.20996094,  0.11279297,  0.07128906,
         0.03344727, -0.05444336,  0.04882812,  0.09521484, -0.16113281,
        -0.08740234,  0.18261719, -0.078125  , -0.4296875 , -0.04638672,
        -0.12255859,  0.40820312, -0.03857422, -0.07177734,  0.11474609,
         0.11914062, -0.03735352, -0.00836182,  0.0859375 ,  0.08154297,
        -0.5390625 ,  0.10351562,  0.09472656, -0.20996094, -0.29296875,
        -0.109375  , -0.07763672,  0.39453125,  0.3515625 ,  0.0062561 ,
        -0.00854492,  0.23144531, -0.28125   ,  0.45117188,  0.0390625 ,
         0.02624512,  0.20996094,  0.01538086,  0.02148438,  0.3125    ],
       dtype=float32),
 'ohio': array([ 1.30859375e-01,  4.51660156e-02,  6.64062500e-02,  3.78906
250e-01,
         2.24609375e-01,  1.25976562e-01,  1.45874023e-02, -3.94531250e-01,
         8.30078125e-02,  4.08203125e-01, -3.10546875e-01, -3.98437500e-01,
        -2.26562500e-01, -1.26953125e-01,  2.10937500e-01,  3.57421875e-01,
        -1.71875000e-01,  1.23535156e-01,  1.78710938e-01,  1.38671875e-01,
        -4.61425781e-02, -2.48046875e-01,  2.28515625e-01,  2.23632812e-01,
        -4.06250000e-01,  1.60156250e-01, -3.14453125e-01,  2.38281250e-01,
        -1.34765625e-01,  1.81640625e-01,  1.13281250e-01,  4.39453125e-01,
         1.23535156e-01, -4.31640625e-01, -3.71093750e-02,  3.19824219e-02,
        -3.65234375e-01,  8.93554688e-02,  3.51562500e-01, -1.04980469e-01,
        -1.27929688e-01,  2.17437744e-04,  8.00781250e-02, -2.46582031e-02,
        -5.39550781e-02,  9.42382812e-02,  3.98437500e-01, -2.17285156e-02,
        -1.02539062e-01,  1.93359375e-01, -1.38671875e-01,  2.00195312e-01,
         8.74023438e-02,  4.17968750e-01, -1.25976562e-01, -1.85546875e-02,
        -3.00781250e-01, -8.93554688e-02, -2.92968750e-02,  9.17968750e-02,
        -2.91015625e-01, -2.83203125e-01, -4.74609375e-01, -2.00195312e-01,
        -6.39648438e-02, -7.27539062e-02,  2.83203125e-01, -2.77343750e-01,
        -2.77343750e-01,  1.27929688e-01,  1.17187500e-01,  3.08593750e-01,
        -2.46093750e-01,  1.25732422e-02, -1.59179688e-01,  3.08593750e-01,
         1.32812500e-01, -3.49609375e-01, -2.23632812e-01,  6.20117188e-02,
        -3.63281250e-01, -1.22558594e-01,  7.32421875e-02, -4.02343750e-01,
         3.84765625e-01, -1.01074219e-01, -3.10058594e-02, -3.37219238e-03,
         3.39355469e-02, -1.11816406e-01,  8.36181641e-03, -2.94921875e-01,
        -5.95703125e-02,  1.19018555e-02, -8.54492188e-02,  4.68750000e-01,
        -1.17675781e-01,  2.34375000e-01,  1.70898438e-01,  9.66796875e-02,
        -2.42187500e-01, -1.51367188e-01,  2.59765625e-01, -1.72851562e-01,
        -8.93554688e-02,  1.45874023e-02,  1.87500000e-01,  1.61132812e-01,
         2.61718750e-01, -4.04296875e-01, -1.71875000e-01, -2.26562500e-01,
        -4.78515625e-02,  1.04003906e-01,  8.49609375e-02,  1.64062500e-01,
         2.11914062e-01, -1.91406250e-01,  8.05664062e-02, -2.29492188e-01,
        -5.88378906e-02, -5.78613281e-02, -8.69140625e-02, -3.22265625e-01,
```

```
          6.25000000e-01, -1.16699219e-01, -1.30859375e-01, -3.01513672e-02,
          1.67968750e-01,  4.02832031e-02, -1.88476562e-01, -3.88671875e-01,
          3.00781250e-01,  1.71875000e-01, -1.70898438e-01, -2.55859375e-01,
         -1.99218750e-01, -1.49414062e-01,  3.35937500e-01, -1.49414062e-01,
          2.94921875e-01, -5.23437500e-01, -1.31835938e-01,  3.24707031e-02,
          1.31835938e-01, -1.97265625e-01,  4.19921875e-02, -3.63769531e-02,
          1.17675781e-01, -1.58691406e-02,  6.13281250e-01, -4.60937500e-01,
         -5.78613281e-02,  6.64062500e-02, -3.32031250e-01, -4.92187500e-01,
          4.27734375e-01,  6.13281250e-01, -3.45703125e-01, -2.53906250e-02,
          3.28125000e-01, -6.25000000e-02,  1.29394531e-02,  1.10839844e-01,
          3.43750000e-01, -5.89843750e-01,  7.42187500e-02, -2.53906250e-01,
         -3.18359375e-01,  1.15234375e-01, -3.71093750e-01,  1.51367188e-01,
         -1.51367188e-01,  1.68945312e-01,  1.83593750e-01, -6.59179688e-02,
          3.80859375e-01, -6.54296875e-02,  4.17968750e-01, -1.16699219e-01,
          1.91650391e-02,  1.25976562e-01,  7.32421875e-03,  7.12890625e-02,
          5.22460938e-02,  2.81250000e-01, -3.20312500e-01,  3.49609375e-01,
          4.37500000e-01, -9.71679688e-02,  4.17968750e-01,  4.78515625e-01,
         -1.09863281e-01, -2.85156250e-01,  3.75000000e-01,  3.30078125e-01,
         -9.61914062e-02, -3.02734375e-01, -6.44531250e-02, -1.66015625e-01,
         -1.72851562e-01,  2.27539062e-01,  2.91748047e-02, -4.25781250e-01,
         -2.21679688e-01, -1.80664062e-01,  8.85009766e-03, -3.78906250e-01,
         -1.82617188e-01,  3.00781250e-01, -2.62451172e-03,  3.88671875e-01,
         -2.45117188e-01, -2.18750000e-01, -3.65234375e-01,  1.23535156e-01,
          5.05371094e-02, -9.52148438e-02,  2.22656250e-01,  3.17382812e-02,
         -1.91406250e-01,  1.27929688e-01,  2.44140625e-02, -1.91406250e-01,
         -1.93359375e-01, -2.57812500e-01, -5.44433594e-02,  2.51953125e-01,
         -3.75000000e-01, -1.15722656e-01,  2.48046875e-01,  5.09643555e-03,
          9.71679688e-02, -6.49414062e-02, -4.62890625e-01,  4.00390625e-01,
          5.95703125e-02,  4.85839844e-02, -7.29370117e-03,  1.98242188e-01,
          3.00781250e-01, -1.71875000e-01, -4.49218750e-02, -1.09863281e-02,
          2.72216797e-02,  5.35156250e-01, -5.17578125e-02,  4.17968750e-01,
         -2.38037109e-02, -1.75781250e-01,  3.96484375e-01,  2.45117188e-01,
          3.04687500e-01, -9.57031250e-02,  1.92382812e-01, -3.30078125e-01,
         -2.25585938e-01,  1.75781250e-01,  4.51171875e-01, -2.43164062e-01,
          2.12890625e-01,  1.44531250e-01,  1.82617188e-01, -7.03125000e-02,
          4.85839844e-02,  4.88281250e-01,  4.32128906e-02, -6.59179688e-02,
          1.76757812e-01, -3.49121094e-02, -2.73437500e-02, -2.35351562e-01,
          2.24609375e-02,  9.88769531e-03,  5.22460938e-02, -4.45312500e-01,
          1.25976562e-01, -4.62890625e-01, -4.06250000e-01,  2.21679688e-01,
         -2.05078125e-01, -1.07421875e-01,  4.35546875e-01,  6.60156250e-01,
         -3.00781250e-01, -4.93164062e-02, -1.83593750e-01,  2.94921875e-01,
          3.24218750e-01, -2.26562500e-01, -1.62353516e-02,  1.06445312e-01,
          2.52685547e-02, -3.93066406e-02,  1.54296875e-01, -2.06054688e-01,
          3.27148438e-02, -2.43164062e-01,  3.83300781e-02, -2.05078125e-0
1],
       dtype=float32),
 'licensure': array([-3.24218750e-01, -4.19921875e-01, -7.47070312e-02, -1.
27929688e-01,
          3.78417969e-02, -2.67578125e-01,  2.09960938e-01, -2.94921875e-01,
          2.73437500e-02, -3.33984375e-01,  8.98437500e-02, -3.26538086e-03,
         -1.28906250e-01,  7.27539062e-02, -2.34375000e-02,  3.63281250e-01,
          3.78906250e-01,  2.63671875e-01,  8.59375000e-02, -8.00781250e-02,
          4.10156250e-01,  8.25195312e-02, -9.03320312e-02,  2.33398438e-01,
         -2.02148438e-01, -7.12890625e-02, -2.15820312e-01,  6.44531250e-02,
          1.14746094e-02,  2.22656250e-01,  9.32617188e-02, -1.08886719e-01,
          1.78710938e-01, -4.76562500e-01, -2.83203125e-01,  1.73339844e-02,
          2.36328125e-01,  3.35937500e-01,  2.79541016e-02, -3.55468750e-01,
         -1.32812500e-01, -1.26953125e-02,  7.32421875e-02, -1.01562500e-01,
         -4.47265625e-01, -6.44531250e-02,  3.30078125e-01,  3.94531250e-01,
         -2.49023438e-02, -9.86328125e-02, -1.08886719e-01, -2.19726562e-01,
         -1.30859375e-01, -5.07812500e-02,  1.74804688e-01,  9.66796875e-02,
         -8.60595703e-03, -6.64062500e-02, -8.49609375e-02, -1.38671875e-01,
         -1.67968750e-01, -1.67236328e-02,  1.65039062e-01, -2.42187500e-01,
          1.26953125e-02,  5.00000000e-01, -4.93164062e-02, -5.41992188e-02,
```

```
        -6.52343750e-01, -2.28271484e-02, -1.56250000e-01, -2.55859375e-01,
         5.22460938e-02,  2.39257812e-01, -1.37695312e-01, -1.08886719e-01,
        -1.17675781e-01, -2.26562500e-01,  2.92968750e-01,  5.31250000e-01,
        -3.26171875e-01, -3.36914062e-02, -1.51367188e-01,  8.78906250e-02,
         1.72851562e-01,  4.84375000e-01,  1.37695312e-01,  2.05078125e-01,
         1.61132812e-01, -2.16796875e-01,  1.50390625e-01, -1.47460938e-01,
        -6.44531250e-02, -1.80664062e-01,  4.68750000e-01,  4.90722656e-02,
         1.26953125e-01,  6.00585938e-02, -7.12890625e-02, -6.03027344e-02,
         1.99218750e-01, -5.90820312e-02, -7.71484375e-02,  1.21582031e-01,
         1.20605469e-01, -2.57812500e-01, -1.87500000e-01,  1.09863281e-01,
         4.62890625e-01, -2.38281250e-01,  1.34765625e-01,  6.59179688e-02,
        -2.08984375e-01,  7.81250000e-02, -1.05468750e-01,  2.18750000e-01,
         2.12890625e-01, -9.71679688e-02,  4.45312500e-01, -3.45703125e-01,
        -1.44531250e-01, -1.33789062e-01,  1.67968750e-01, -1.03027344e-01,
         3.67187500e-01,  1.49414062e-01, -1.95312500e-01,  7.17773438e-02,
        -1.95312500e-02,  4.23828125e-01,  1.07910156e-01,  8.97216797e-03,
         6.00585938e-02, -3.49609375e-01, -1.78710938e-01, -3.90625000e-02,
        -1.74804688e-01,  2.61230469e-02,  1.86523438e-01,  1.52343750e-01,
        -3.43750000e-01,  7.91015625e-02, -3.53515625e-01,  1.16699219e-01,
         6.49414062e-02, -6.49414062e-02, -6.04248047e-03,  1.59179688e-01,
        -7.56835938e-02, -1.91406250e-01,  3.41796875e-01, -3.45703125e-01,
         1.98242188e-01, -3.11279297e-02, -3.08593750e-01, -4.74609375e-01,
        -2.86865234e-02, -1.15722656e-01,  1.72119141e-02,  3.39843750e-01,
         1.13281250e-01, -3.67187500e-01,  6.29882812e-02,  1.33789062e-01,
        -2.44140625e-01, -1.46484375e-02,  2.08740234e-02, -2.09960938e-01,
         8.00781250e-02,  6.64062500e-02,  1.35742188e-01, -1.94335938e-01,
        -3.36914062e-02, -2.61718750e-01,  6.10351562e-02, -3.39843750e-01,
        -8.59375000e-02, -1.02050781e-01, -1.02539062e-01, -1.67968750e-01,
        -2.19726562e-01, -2.41210938e-01,  1.70898438e-01, -1.81640625e-01,
        -2.50000000e-01,  8.91113281e-03, -7.27539062e-02, -1.92382812e-01,
         3.59375000e-01,  2.28515625e-01, -2.40234375e-01,  6.01196289e-03,
         3.26538086e-03,  4.61425781e-02,  1.15234375e-01, -1.79687500e-01,
         1.96289062e-01, -3.00781250e-01,  1.45507812e-01, -2.20703125e-01,
         1.78710938e-01,  3.71093750e-01,  4.08203125e-01, -9.91210938e-02,
        -5.23437500e-01, -3.08593750e-01,  3.82812500e-01, -2.26562500e-01,
         2.07031250e-01,  3.41796875e-02, -4.36401367e-03,  1.66992188e-01,
        -1.62109375e-01, -2.92968750e-01,  1.00097656e-01,  1.33789062e-01,
         5.12695312e-02,  5.78613281e-02,  2.53906250e-01, -4.58984375e-01,
         6.04248047e-03, -2.07031250e-01,  3.51562500e-01,  3.60488892e-04,
         3.08593750e-01, -3.02734375e-01, -1.06445312e-01, -2.53906250e-01,
         4.10156250e-02,  1.09375000e-01, -4.83398438e-02,  1.74804688e-01,
         3.03955078e-02, -1.95312500e-02, -9.47265625e-02, -9.76562500e-02,
         6.21093750e-01,  1.26953125e-01, -1.20117188e-01,  2.91015625e-01,
         4.44335938e-02, -1.07910156e-01,  1.58203125e-01, -2.55859375e-01,
        -3.49609375e-01, -1.59179688e-01, -2.20703125e-01,  2.26562500e-01,
        -2.48046875e-01, -3.84765625e-01,  1.29882812e-01, -1.21307373e-03,
        -2.78320312e-02, -2.11914062e-01, -3.41796875e-01, -3.34472656e-02,
        -1.74804688e-01,  8.15429688e-02, -1.93359375e-01,  1.30859375e-01,
        -5.51757812e-02, -7.11059570e-03,  4.00390625e-02, -1.15356445e-02,
         2.57873535e-03,  1.53320312e-01,  1.31835938e-01, -1.50390625e-01,
        -4.43359375e-01,  2.83813477e-03,  9.47265625e-02, -1.28784180e-02,
         2.04101562e-01,  3.96484375e-01, -3.41796875e-01,  5.20019531e-02,
        -4.82421875e-01,  2.50244141e-02, -1.86523438e-01,  6.10351562e-02,
        -3.96484375e-01,  1.03515625e-01,  1.66992188e-01,  3.88671875e-01,
        -2.42919922e-02, -9.52148438e-02,  1.95312500e-01, -2.57812500e-01,
         1.06811523e-02,  3.26171875e-01, -9.08203125e-02,  2.89062500e-01,
        -5.64575195e-04,  2.43164062e-01,  6.68945312e-02,  3.96484375e-01,
         1.34765625e-01, -6.68945312e-02,  3.24707031e-02,  1.57226562e-0
1],
       dtype=float32),
 'background': array([ 1.16699219e-01, -1.25000000e-01, -1.91406250e-01, -
1.90429688e-01,
        -1.84570312e-01,  1.02539062e-01,  1.58691406e-03, -1.00097656e-01,
         7.91015625e-02, -2.34375000e-01,  2.29492188e-01, -5.41992188e-02,
```

```
-7.12890625e-02, -1.92382812e-01, -2.48046875e-01,  2.40234375e-01,
-6.10351562e-02,  1.58203125e-01, -1.62109375e-01, -5.85937500e-01,
-1.75781250e-01,  1.06445312e-01, -2.01171875e-01, -4.39453125e-03,
-3.32031250e-01, -8.15429688e-02, -4.66308594e-02, -9.96093750e-02,
-2.91015625e-01, -1.21459961e-02, -3.39355469e-02, -9.81445312e-02,
-1.57470703e-02, -6.59179688e-02, -1.23046875e-01,  9.86328125e-02,
-1.08886719e-01,  1.86523438e-01,  3.85742188e-02, -9.17968750e-02,
 1.65039062e-01, -1.31835938e-01, -1.31835938e-01,  8.34960938e-02,
-8.98437500e-02,  4.76074219e-03, -3.98437500e-01, -4.93164062e-02,
-1.59912109e-02, -3.08593750e-01, -3.66210938e-02, -2.28515625e-01,
 7.66601562e-02, -1.43554688e-01,  7.61718750e-02,  1.07910156e-01,
-6.89697266e-03, -1.16210938e-01, -7.32421875e-02, -3.76953125e-01,
-1.10839844e-01, -1.63085938e-01, -7.37304688e-02, -9.17968750e-02,
-2.63671875e-02,  2.27539062e-01, -2.09960938e-01,  8.74023438e-02,
 1.02539062e-01, -1.03515625e-01, -1.63574219e-02, -8.88671875e-02,
 1.66015625e-01,  7.12890625e-02, -5.95703125e-02,  1.29882812e-01,
 2.08007812e-01,  2.42187500e-01,  2.75390625e-01,  9.32617188e-02,
 1.17187500e-01,  1.59179688e-01,  1.50390625e-01, -5.02929688e-02,
 1.72851562e-01, -2.10937500e-01, -1.56250000e-01,  1.22558594e-01,
 1.12304688e-01, -6.12792969e-02,  4.76074219e-02, -1.23046875e-01,
-9.76562500e-02,  2.40234375e-01, -5.39550781e-02, -1.56250000e-01,
 2.81982422e-02,  8.93554688e-02, -1.50390625e-01, -2.91748047e-02,
-2.85156250e-01,  1.69677734e-02, -2.12402344e-02,  1.49414062e-01,
-2.10937500e-01, -6.59179688e-02, -2.18505859e-02,  1.79687500e-01,
 2.01171875e-01, -2.59765625e-01, -2.44140625e-02,  2.57812500e-01,
 5.78613281e-02, -1.71875000e-01,  6.88476562e-02, -2.41699219e-02,
-1.04003906e-01,  5.37109375e-02, -1.63574219e-02,  1.32812500e-01,
-2.27539062e-01, -2.22656250e-01,  9.58251953e-03,  1.74804688e-01,
-4.76074219e-03,  1.53320312e-01, -3.75976562e-02, -4.73632812e-02,
 1.04003906e-01,  1.38549805e-02, -5.68847656e-02, -3.18359375e-01,
-1.51367188e-01, -5.15136719e-02,  8.20312500e-02,  1.08398438e-01,
 1.55273438e-01,  2.91748047e-02, -3.51562500e-02, -8.00781250e-02,
-4.37011719e-02, -6.34765625e-02, -1.20117188e-01,  3.12500000e-01,
 5.05371094e-02,  1.38671875e-01,  9.22851562e-02,  4.15039062e-02,
-1.47705078e-02,  1.61132812e-01,  2.21679688e-01,  1.29882812e-01,
-8.72802734e-03, -6.88476562e-02, -1.94335938e-01,  6.62231445e-03,
-2.05078125e-01, -1.61132812e-01, -6.44531250e-02, -1.23046875e-01,
-9.61914062e-02, -6.34765625e-02, -3.12500000e-02,  4.51660156e-02,
 6.40869141e-03, -1.41601562e-01,  3.97949219e-02, -1.88476562e-01,
 7.47070312e-02,  4.16015625e-01, -2.80761719e-02,  1.99218750e-01,
 2.06054688e-01, -3.53515625e-01,  1.96289062e-01, -9.57031250e-02,
 4.34570312e-02, -1.62109375e-01,  1.01074219e-01, -1.08398438e-01,
-1.92382812e-01, -1.66992188e-01, -4.02832031e-02,  2.14843750e-02,
-1.22558594e-01, -2.41210938e-01, -5.51757812e-02, -2.67578125e-01,
-3.03649902e-03,  5.39550781e-02,  1.25976562e-01,  6.54296875e-02,
 3.32031250e-02, -1.42578125e-01,  3.26171875e-01,  2.26562500e-01,
-7.91015625e-02, -3.29589844e-02, -1.10839844e-01,  8.69140625e-02,
-8.34960938e-02,  2.67578125e-01, -2.59765625e-01, -2.65625000e-01,
 3.04687500e-01,  6.16455078e-03,  9.13085938e-02, -3.97949219e-02,
 4.32128906e-02,  8.64257812e-02, -2.40234375e-01, -1.66015625e-01,
-5.90820312e-02,  5.05371094e-02,  6.00585938e-02,  1.28906250e-01,
-9.27734375e-02,  2.59765625e-01, -2.55126953e-02, -2.94921875e-01,
-6.98242188e-02,  2.48046875e-01, -3.10546875e-01, -8.25195312e-02,
 1.63574219e-02, -2.24609375e-01,  5.00488281e-02,  1.30859375e-01,
-1.65039062e-01,  1.63574219e-02, -4.37011719e-02, -2.11914062e-01,
-8.10546875e-02, -3.75976562e-02,  3.05175781e-02, -1.79443359e-02,
 1.88476562e-01, -4.15039062e-03,  2.26562500e-01, -1.09375000e-01,
-2.30468750e-01,  7.91015625e-02, -3.32031250e-01,  1.31835938e-01,
-3.00598145e-03, -4.22363281e-02, -1.33789062e-01, -1.04492188e-01,
-1.47460938e-01, -1.41601562e-01,  2.05078125e-01,  6.62231445e-03,
-1.12304688e-01, -7.78198242e-03, -1.36718750e-01, -1.01562500e-01,
-2.09960938e-02,  2.56347656e-02, -6.29882812e-02,  3.56445312e-02,
 1.78710938e-01, -3.24707031e-02, -8.93554688e-02,  2.20947266e-02,
-5.83496094e-02,  2.73437500e-01, -9.91210938e-02,  4.07714844e-02,
```

```
        -2.73437500e-01, -2.30468750e-01, -4.83398438e-02, -4.74609375e-01,
         2.69775391e-02,  2.96875000e-01, -2.55126953e-02, -5.44433594e-02,
         2.39257812e-01, -2.17773438e-01, -8.20312500e-02,  9.66796875e-02,
         2.02148438e-01,  3.68118286e-04,  7.56835938e-02,  1.39648438e-01,
        -2.85156250e-01,  5.85937500e-02,  8.39843750e-02, -8.25195312e-02,
         6.49414062e-02, -2.86102295e-04, -2.55859375e-01,  2.34375000e-01,
        -1.14746094e-01,  4.00390625e-02,  1.47460938e-01, -8.98437500e-02,
         2.08984375e-01, -1.84570312e-01,  1.30859375e-01,  2.57568359e-0
2],
       dtype=float32),
 'check': array([-0.14550781, -0.00592041, -0.12304688,  0.00537109, -0.040
2832 ,
         0.17675781,  0.16503906,  0.11621094, -0.11425781, -0.19238281,
         0.12890625, -0.13867188, -0.06591797,  0.02856445, -0.06689453,
         0.14746094,  0.07324219, -0.00182343, -0.20898438, -0.02355957,
         0.31054688,  0.00084686, -0.08740234,  0.01403809, -0.171875  ,
         0.02441406, -0.08056641,  0.08398438, -0.02819824, -0.25585938,
        -0.26171875, -0.15722656, -0.03149414, -0.17285156, -0.16210938,
        -0.1953125 ,  0.04443359, -0.20898438,  0.09912109,  0.08544922,
        -0.06054688, -0.09326172,  0.11376953, -0.04760742, -0.07617188,
         0.03393555, -0.12792969,  0.12060547,  0.03320312,  0.0859375 ,
        -0.02709961,  0.03735352,  0.13671875, -0.02954102,  0.02429199,
        -0.07128906, -0.11328125, -0.0534668 ,  0.01257324, -0.12353516,
        -0.02111816, -0.02758789, -0.06445312,  0.06640625,  0.07226562,
         0.05175781, -0.02307129, -0.04052734,  0.04052734, -0.20410156,
         0.0625    ,  0.1796875 ,  0.26757812, -0.05566406, -0.22753906,
         0.06640625,  0.16699219,  0.13085938, -0.00473022,  0.19628906,
        -0.09912109, -0.32226562,  0.03564453,  0.06542969,  0.16308594,
        -0.01660156, -0.16601562,  0.02246094, -0.23339844,  0.11425781,
         0.01379395,  0.15429688,  0.0859375 , -0.15917969, -0.22363281,
         0.08789062, -0.0703125 ,  0.07617188,  0.11865234,  0.00509644,
        -0.05615234, -0.40234375,  0.18945312,  0.01794434, -0.05786133,
        -0.19726562, -0.03857422, -0.22265625,  0.08984375,  0.10253906,
         0.07177734, -0.05249023, -0.36523438, -0.04321289, -0.10400391,
         0.09619141,  0.00619507,  0.28320312,  0.08691406,  0.30273438,
         0.04589844,  0.06982422, -0.25976562,  0.24707031,  0.08447266,
         0.17871094, -0.00393677, -0.02758789,  0.14746094, -0.19335938,
        -0.18554688, -0.27539062, -0.01794434,  0.10742188, -0.06933594,
         0.03491211, -0.03613281,  0.24609375, -0.15234375,  0.23046875,
        -0.03271484, -0.05029297, -0.15820312,  0.12792969,  0.08886719,
         0.10644531,  0.17480469, -0.16308594, -0.00994873, -0.09228516,
        -0.03369141,  0.04345703, -0.15039062, -0.03466797, -0.08300781,
         0.0050354 ,  0.04711914, -0.08300781, -0.03857422,  0.09863281,
         0.05737305, -0.2578125 , -0.18261719, -0.02893066,  0.29296875,
        -0.24023438,  0.16210938, -0.2734375 , -0.01904297,  0.12011719,
        -0.109375  , -0.01806641, -0.05273438,  0.09130859, -0.22265625,
         0.00500488,  0.02868652, -0.21679688, -0.04833984,  0.0324707 ,
        -0.22363281, -0.03125   ,  0.12695312, -0.08349609, -0.00805664,
        -0.08007812, -0.296875  , -0.03320312, -0.1953125 ,  0.05664062,
         0.10888672,  0.09667969, -0.11328125, -0.15722656,  0.1015625 ,
         0.04150391,  0.10058594, -0.13964844, -0.10449219, -0.11865234,
         0.12597656,  0.35351562, -0.13476562, -0.09521484,  0.27148438,
         0.01989746, -0.15625   ,  0.03808594,  0.33398438,  0.02099609,
         0.27734375,  0.11083984, -0.28125   ,  0.07666016, -0.26171875,
         0.18457031,  0.21484375,  0.2578125 , -0.33398438, -0.28125   ,
         0.21191406,  0.0703125 ,  0.11621094, -0.24707031,  0.1328125 ,
        -0.02319336, -0.13964844,  0.16699219, -0.28320312, -0.21191406,
         0.02709961, -0.140625  ,  0.01519775, -0.17871094,  0.15625   ,
         0.10595703,  0.2734375 , -0.10742188, -0.01293945,  0.00280762,
         0.17089844, -0.07910156,  0.01037598, -0.19726562,  0.07324219,
         0.09619141,  0.07373047,  0.15332031,  0.08398438,  0.01000977,
         0.02087402, -0.01428223, -0.18554688, -0.14160156,  0.03100586,
         0.05297852,  0.0213623 ,  0.20703125, -0.07666016,  0.09423828,
         0.12109375,  0.3046875 , -0.23632812, -0.19824219, -0.0378418 ,
```

```
        -0.12890625,  0.03491211, -0.07470703, -0.06152344, -0.08447266,
         0.05053711,  0.30078125, -0.05712891,  0.13574219, -0.0213623 ,
        -0.12792969,  0.05810547, -0.3828125 , -0.19726562,  0.35742188,
         0.06445312,  0.09277344,  0.02441406, -0.01672363,  0.24707031,
         0.23535156, -0.10693359,  0.14160156, -0.02270508, -0.12304688,
         0.078125  ,  0.24414062,  0.03015137,  0.10742188,  0.04296875,
        -0.24023438, -0.21191406, -0.16992188,  0.13867188, -0.20117188],
       dtype=float32),
 'number': array([ 0.13964844, -0.04101562,  0.09277344, -0.03564453, -0.02
709961,
        -0.26953125, -0.06054688,  0.0133667 ,  0.20214844,  0.12890625,
        -0.02478027,  0.03686523,  0.05883789,  0.11767578, -0.27929688,
        -0.05786133, -0.08789062,  0.03222656, -0.15429688, -0.18457031,
         0.05712891, -0.19335938, -0.09863281, -0.07128906, -0.2421875 ,
        -0.00112152, -0.04516602,  0.07128906, -0.15917969,  0.20996094,
         0.00970459,  0.00312805,  0.07958984, -0.203125  , -0.03198242,
        -0.17480469,  0.18164062,  0.13085938, -0.06176758,  0.07666016,
         0.23925781,  0.1484375 , -0.15917969,  0.18945312,  0.06079102,
        -0.16503906, -0.16113281,  0.0625    , -0.11865234, -0.07666016,
        -0.03198242,  0.05224609, -0.03369141, -0.22460938,  0.07910156,
        -0.0144043 ,  0.18457031,  0.05029297, -0.02038574,  0.21289062,
         0.06030273,  0.0612793 , -0.00045776, -0.19433594,  0.17871094,
        -0.00909424, -0.06079102,  0.17871094, -0.109375  ,  0.08740234,
        -0.11914062, -0.06884766,  0.18261719,  0.09228516, -0.08886719,
         0.07568359,  0.11572266,  0.09472656,  0.10351562,  0.09619141,
         0.07763672, -0.18554688, -0.06738281, -0.0559082 , -0.16894531,
        -0.12988281, -0.34960938, -0.21289062, -0.03662109, -0.04956055,
         0.05371094,  0.31640625, -0.17578125, -0.3125    ,  0.12890625,
         0.02539062, -0.09960938, -0.0534668 , -0.00448608, -0.08789062,
         0.12402344, -0.11523438, -0.05957031,  0.12451172,  0.12988281,
        -0.08398438, -0.17578125,  0.01721191, -0.03076172, -0.11474609,
        -0.00598145, -0.11035156,  0.10498047, -0.05566406, -0.03613281,
         0.06298828, -0.08349609, -0.09375   ,  0.37695312,  0.01989746,
        -0.2890625 ,  0.34570312, -0.11816406,  0.18945312,  0.10986328,
         0.03564453, -0.0625    , -0.10693359,  0.0480957 ,  0.15722656,
         0.33203125, -0.12988281, -0.14550781, -0.19726562, -0.02661133,
        -0.04345703, -0.05297852,  0.00524902,  0.01403809, -0.07128906,
         0.04248047, -0.01806641,  0.17089844,  0.20019531,  0.24414062,
         0.23925781,  0.00436401,  0.05566406, -0.22167969,  0.05493164,
         0.00640869,  0.00047684, -0.21875   , -0.02478027,  0.0098877 ,
        -0.12792969,  0.04711914, -0.0703125 , -0.07470703, -0.07421875,
        -0.28320312,  0.08789062,  0.02246094, -0.13769531,  0.11328125,
        -0.006073  , -0.18847656, -0.12695312, -0.11865234, -0.06835938,
        -0.25      ,  0.01428223, -0.15917969, -0.16894531, -0.01647949,
        -0.10302734, -0.16796875, -0.12402344, -0.02929688, -0.06884766,
        -0.10400391, -0.07714844, -0.04101562,  0.04248047,  0.14160156,
        -0.05957031, -0.0267334 ,  0.26953125, -0.03808594,  0.07617188,
        -0.00282288, -0.12890625, -0.17480469, -0.10400391, -0.10351562,
         0.09130859,  0.07275391,  0.12207031, -0.00442505, -0.28125   ,
         0.12988281,  0.2421875 , -0.04638672, -0.25      , -0.24707031,
        -0.05200195, -0.25585938,  0.12060547,  0.05615234,  0.25976562,
         0.05786133, -0.03051758, -0.09667969, -0.25976562, -0.06201172,
        -0.015625  ,  0.04321289, -0.03735352, -0.33789062,  0.15625   ,
         0.01208496,  0.0050354 ,  0.01031494,  0.08837891,  0.07763672,
        -0.01708984,  0.04003906, -0.11523438,  0.05859375, -0.09521484,
         0.01251221, -0.04003906,  0.16796875,  0.01867676,  0.01037598,
        -0.13574219,  0.01733398,  0.00079346, -0.13378906, -0.03588867,
        -0.04394531,  0.11865234,  0.05151367, -0.07666016,  0.23632812,
         0.1328125 ,  0.06347656,  0.17382812,  0.0559082 , -0.07666016,
        -0.10986328, -0.12988281, -0.00643921, -0.17480469,  0.18457031,
         0.125     ,  0.22753906, -0.14941406, -0.19238281, -0.18066406,
         0.19042969,  0.01025391, -0.03564453,  0.00105286,  0.03686523,
         0.04589844, -0.07421875,  0.22460938,  0.02062988, -0.1328125 ,
         0.15039062,  0.08105469,  0.08251953, -0.12451172,  0.01477051,
```

```
         0.09326172,  0.05371094, -0.20019531,  0.05175781, -0.14648438,
         0.06152344,  0.03881836,  0.11962891, -0.16796875, -0.13183594,
         0.07275391, -0.07763672, -0.04541016, -0.00552368,  0.171875  ,
         0.05004883,  0.04638672, -0.08398438, -0.23632812,  0.13574219,
         0.09277344,  0.03369141,  0.02185059, -0.10791016, -0.06030273],
        dtype=float32),
 'regard': array([ 0.0480957 ,  0.20605469, -0.05761719,  0.05151367, -0.16
796875,
         0.20214844,  0.2734375 , -0.08544922,  0.09912109,  0.15234375,
        -0.06494141, -0.0402832 ,  0.04418945,  0.08935547, -0.20703125,
        -0.04394531,  0.09179688,  0.171875  , -0.06738281, -0.04174805,
         0.15039062, -0.07226562, -0.04321289, -0.00448608,  0.24316406,
         0.07373047, -0.11035156,  0.07177734, -0.12207031,  0.13183594,
         0.171875  , -0.11425781, -0.07470703,  0.11621094, -0.1015625 ,
         0.01586914,  0.23730469, -0.01586914,  0.06591797, -0.18164062,
         0.18359375,  0.14257812, -0.01495361,  0.10644531, -0.03271484,
        -0.296875  , -0.11865234,  0.04956055, -0.12451172, -0.24804688,
         0.05004883, -0.04492188, -0.07617188, -0.23046875,  0.02490234,
        -0.04931641, -0.02441406, -0.1484375 ,  0.14160156,  0.05712891,
        -0.12695312,  0.17285156,  0.09082031, -0.0378418 , -0.09765625,
         0.08056641, -0.2734375 ,  0.14453125, -0.19433594, -0.05517578,
        -0.01611328, -0.08056641,  0.19628906,  0.00836182,  0.03979492,
        -0.18164062, -0.11328125,  0.05517578,  0.24804688,  0.36132812,
        -0.02685547, -0.02124023, -0.09228516, -0.13476562,  0.00182343,
        -0.25585938, -0.19335938, -0.11132812, -0.04931641,  0.11181641,
         0.20410156,  0.01177979,  0.07617188,  0.01245117,  0.05639648,
        -0.29882812,  0.08691406,  0.07666016,  0.0625    ,  0.03295898,
        -0.04516602, -0.03222656, -0.09033203,  0.06542969, -0.0612793 ,
        -0.04736328, -0.10253906, -0.05078125,  0.08691406, -0.08349609,
        -0.14941406,  0.03613281, -0.1328125 ,  0.36523438,  0.03198242,
        -0.0039978 ,  0.2578125 , -0.01818848,  0.02075195,  0.12207031,
        -0.12304688,  0.09912109, -0.29492188,  0.18261719, -0.07958984,
         0.12060547, -0.06835938, -0.12792969, -0.10107422,  0.01403809,
        -0.12890625, -0.18359375, -0.13964844, -0.04370117,  0.06542969,
        -0.05761719,  0.04516602,  0.23339844, -0.02441406, -0.00582886,
         0.08740234,  0.30273438, -0.09277344,  0.15039062, -0.13378906,
         0.20019531, -0.05664062,  0.05419922, -0.13671875,  0.14355469,
         0.00040817, -0.02075195, -0.1953125 , -0.12304688, -0.03540039,
        -0.15625   , -0.03613281,  0.0222168 , -0.0189209 , -0.0324707 ,
         0.05615234, -0.078125  , -0.00367737, -0.08398438,  0.08691406,
        -0.07910156, -0.09765625, -0.02233887, -0.04443359,  0.03173828,
        -0.03881836, -0.11132812,  0.21679688, -0.19140625,  0.09619141,
        -0.09716797,  0.06103516, -0.30664062, -0.05786133, -0.01745605,
         0.03051758,  0.10205078,  0.02697754, -0.03112793, -0.07226562,
        -0.11376953,  0.00735474, -0.12353516, -0.03112793,  0.33789062,
        -0.14160156,  0.20019531, -0.02502441,  0.07128906,  0.04736328,
        -0.01708984, -0.06933594,  0.10009766,  0.21289062, -0.02807617,
        -0.15625   ,  0.08447266, -0.09033203, -0.11474609, -0.04101562,
        -0.15039062, -0.16992188,  0.03295898,  0.09814453,  0.03759766,
         0.08251953, -0.16894531,  0.01904297,  0.00866699, -0.20410156,
        -0.04272461, -0.01330566,  0.04248047,  0.04174805, -0.046875  ,
         0.05908203,  0.00765991, -0.24414062,  0.09472656,  0.04907227,
        -0.08740234,  0.3046875 ,  0.01538086,  0.01287842, -0.02246094,
         0.00144958,  0.03369141,  0.09570312,  0.16699219,  0.25585938,
         0.00485229,  0.17382812, -0.08251953,  0.14453125,  0.09619141,
        -0.23632812, -0.07519531,  0.06835938,  0.08398438, -0.16699219,
        -0.06689453, -0.19335938,  0.06396484, -0.04467773,  0.15429688,
         0.03320312,  0.09667969,  0.02966309,  0.15625   , -0.00750732,
        -0.11572266,  0.08154297,  0.1171875 ,  0.05517578,  0.00668335,
         0.03564453, -0.03637695,  0.09033203,  0.02160645,  0.21191406,
         0.2578125 ,  0.11767578, -0.109375  , -0.13085938, -0.04882812,
        -0.01867676,  0.09912109,  0.12402344, -0.01391602, -0.14355469,
         0.04663086, -0.03039551, -0.125     ,  0.03515625, -0.03039551,
         0.06176758,  0.14941406,  0.04174805,  0.12988281, -0.07470703,
```

```
         0.08154297, -0.05712891,  0.01483154,  0.00592041, -0.05615234,
        -0.20507812, -0.03515625,  0.15527344,  0.05517578,  0.00799561,
        -0.10253906, -0.12695312,  0.10839844, -0.20703125,  0.10351562],
       dtype=float32),
 'gmail': array([-6.44531250e-02, -1.47460938e-01,  4.49218750e-02,  3.6914
0625e-01,
        -2.67578125e-01,  6.44531250e-02, -5.22460938e-02, -9.37500000e-02,
         1.78710938e-01,  2.08984375e-01,  3.38745117e-03, -8.44726562e-02,
        -1.56250000e-01, -3.08593750e-01,  1.97265625e-01,  3.39843750e-01,
         2.91015625e-01,  1.24023438e-01,  2.89306641e-02, -1.78710938e-01,
         8.83789062e-02,  2.24609375e-01,  3.57421875e-01, -3.61328125e-02,
        -3.41796875e-01, -2.81250000e-01, -4.32128906e-02,  3.08593750e-01,
         2.31445312e-01,  4.07714844e-02, -2.92968750e-01, -2.34375000e-01,
         6.89697266e-03, -1.33789062e-01, -2.95410156e-02, -3.00781250e-01,
         1.04980469e-01,  2.96630859e-02,  1.92382812e-01,  7.32421875e-02,
        -4.51660156e-02,  5.20019531e-02,  3.84765625e-01,  4.27734375e-01,
         1.41601562e-01, -2.55126953e-02, -2.24609375e-01, -6.54296875e-02,
        -3.35937500e-01, -1.80664062e-01, -3.51562500e-01, -9.66796875e-02,
        -9.32617188e-02,  7.47070312e-02,  2.19726562e-03,  6.78710938e-02,
        -6.20117188e-02,  1.47460938e-01,  5.10253906e-02, -2.43164062e-01,
        -1.10351562e-01, -3.53515625e-01,  3.75976562e-02,  2.46093750e-01,
        -3.49609375e-01, -2.59765625e-01, -1.50390625e-01, -1.85966492e-05,
        -1.64062500e-01,  2.55859375e-01, -2.07031250e-01,  2.16796875e-01,
        -2.44140625e-01, -1.46484375e-01, -3.02734375e-01, -1.36718750e-01,
         6.98242188e-02, -3.30078125e-01,  3.49121094e-02, -5.12695312e-02,
        -6.64062500e-02,  3.33984375e-01,  2.06054688e-01,  3.02734375e-02,
         1.44531250e-01,  6.29882812e-02,  1.09863281e-01,  2.64892578e-02,
        -1.67968750e-01,  1.93359375e-01, -8.98437500e-02, -1.41601562e-01,
        -2.85156250e-01, -3.88671875e-01,  1.81640625e-01,  2.10937500e-01,
        -1.25976562e-01, -7.47070312e-02,  5.58593750e-01, -8.69140625e-02,
        -1.24511719e-02, -3.41796875e-01, -9.13085938e-02,  3.18359375e-01,
         1.28906250e-01,  1.30859375e-01, -4.08203125e-01,  3.12500000e-01,
         2.08740234e-02,  6.07910156e-02, -3.35937500e-01, -2.57812500e-01,
        -2.44140625e-01, -4.76074219e-02,  8.30078125e-02,  3.63281250e-01,
        -4.44335938e-02, -3.94531250e-01,  2.09960938e-01,  3.82812500e-01,
        -5.51757812e-02, -1.66992188e-01, -2.65625000e-01,  1.31835938e-01,
         2.91015625e-01, -6.64062500e-02, -4.07714844e-02,  2.04101562e-01,
        -6.25000000e-02, -4.88281250e-01, -3.45703125e-01, -1.22070312e-02,
        -3.27148438e-02,  2.11914062e-01, -1.60156250e-01, -2.35351562e-01,
         1.75781250e-01, -8.83789062e-02, -3.12500000e-02, -2.25585938e-01,
         1.80664062e-01, -2.49023438e-01, -1.01562500e-01, -1.03515625e-01,
         2.14843750e-01,  7.27539062e-02, -1.89453125e-01, -1.33789062e-01,
        -3.06640625e-01, -3.65234375e-01,  4.80468750e-01, -3.16406250e-01,
        -1.77734375e-01,  1.59179688e-01, -8.64257812e-02, -1.52343750e-01,
        -1.14746094e-01,  3.17382812e-03, -7.12890625e-02,  8.34960938e-02,
        -3.02734375e-01, -1.64794922e-02, -3.35937500e-01,  2.92968750e-01,
         1.21093750e-01, -1.89453125e-01,  6.34765625e-03, -1.00585938e-01,
        -7.10937500e-01,  2.12890625e-01, -2.24609375e-01,  1.96289062e-01,
         1.63574219e-02,  3.49609375e-01,  1.16699219e-01, -2.40234375e-01,
         3.43750000e-01, -2.87109375e-01,  1.37695312e-01, -3.14453125e-01,
        -8.39843750e-02,  1.83593750e-01, -3.73046875e-01,  3.71093750e-01,
         4.23828125e-01, -1.18652344e-01, -1.78222656e-02,  5.07812500e-01,
        -1.54296875e-01, -1.54296875e-01, -1.62109375e-01,  6.73828125e-02,
        -3.82812500e-01, -1.74560547e-02,  3.02734375e-01,  2.50000000e-01,
        -3.12500000e-01, -1.78710938e-01,  7.03125000e-02, -1.86523438e-01,
        -1.98242188e-01,  9.86328125e-02, -1.22680664e-02, -1.33666992e-02,
         2.49023438e-01,  2.26562500e-01, -1.65039062e-01, -6.12792969e-02,
        -1.62109375e-01,  1.25976562e-01, -5.32226562e-02, -1.73339844e-02,
        -1.43554688e-01, -7.08007812e-02, -2.91015625e-01, -1.43554688e-01,
        -2.20703125e-01,  1.36718750e-01, -2.28515625e-01, -2.39257812e-01,
        -2.10937500e-01,  1.84570312e-01, -4.10156250e-02, -4.90722656e-02,
        -6.15234375e-02,  1.91406250e-01,  2.55126953e-02, -5.76171875e-02,
        -1.71875000e-01, -9.86328125e-02, -1.11328125e-01, -7.51953125e-02,
        -2.67333984e-02, -2.41210938e-01,  2.05078125e-01, -7.22656250e-02,
```

```
         1.38671875e-01, -1.61132812e-01,  5.93261719e-02, -6.22558594e-02,
        -7.66601562e-02,  8.25195312e-02, -1.43554688e-01, -2.89062500e-01,
        -9.13085938e-02, -5.05371094e-02, -5.95703125e-02,  3.88671875e-01,
        -3.28125000e-01, -1.33666992e-02, -3.96484375e-01,  1.11328125e-01,
        -2.47802734e-02,  4.53125000e-01,  1.44531250e-01, -1.27929688e-01,
         2.69531250e-01, -3.34472656e-02, -1.77734375e-01, -2.59765625e-01,
         3.32031250e-01, -1.66992188e-01,  1.91406250e-01, -3.02734375e-01,
        -2.15820312e-01, -6.00585938e-02, -1.30859375e-01, -6.39648438e-02,
        -1.06933594e-01, -2.05078125e-01,  1.01928711e-02,  1.24511719e-01,
         8.74023438e-02, -1.19140625e-01,  1.93359375e-01, -1.95312500e-01,
         1.79687500e-01, -4.80468750e-01,  1.04980469e-01,  3.30078125e-01,
        -2.49023438e-01,  1.98242188e-01, -5.24902344e-02,  1.92382812e-01,
        -2.30407715e-03, -9.86328125e-02,  1.11816406e-01,  6.44531250e-02,
         3.93676758e-03,  2.55859375e-01,  2.67578125e-01,  1.93359375e-01,
        -4.37011719e-02, -2.61718750e-01,  1.95312500e-01, -3.75000000e-01,
         1.44531250e-01,  4.93164062e-02, -2.53906250e-01,  2.61230469e-0
2],
       dtype=float32),
 'google': array([ 0.11279297, -0.22949219,  0.01782227,  0.19238281, -0.22
558594,
         0.00933838, -0.01708984, -0.17285156,  0.1953125 , -0.05444336,
         0.13867188, -0.27148438, -0.26757812,  0.08056641, -0.21191406,
         0.31835938,  0.10693359, -0.00732422,  0.02758789, -0.40234375,
        -0.07763672,  0.2421875 ,  0.09912109,  0.06689453, -0.36328125,
        -0.09521484, -0.09423828,  0.11474609, -0.07128906, -0.14355469,
        -0.10302734,  0.11376953, -0.22070312,  0.01489258, -0.125     ,
         0.05566406, -0.07080078,  0.14648438,  0.32226562,  0.21679688,
         0.12207031, -0.09863281,  0.05566406,  0.31445312,  0.20605469,
        -0.0246582 ,  0.07226562, -0.25390625, -0.13085938, -0.20800781,
        -0.22851562,  0.0189209 , -0.06787109, -0.00218201, -0.0112915 ,
         0.04101562, -0.04907227, -0.10791016,  0.06591797, -0.02526855,
         0.046875  , -0.27148438, -0.13476562,  0.08544922, -0.30078125,
        -0.09375   , -0.36523438, -0.17871094, -0.07666016, -0.02770996,
        -0.06201172,  0.42773438, -0.13769531, -0.02062988, -0.20800781,
        -0.09375   , -0.12109375,  0.11083984,  0.00476074,  0.07861328,
         0.05297852,  0.2578125 ,  0.21582031, -0.03930664,  0.16210938,
         0.00479126, -0.00375366,  0.20507812, -0.18847656,  0.03637695,
         0.03588867, -0.01623535, -0.13378906, -0.21875   ,  0.0246582 ,
         0.12304688,  0.03759766,  0.08496094,  0.43164062,  0.26953125,
        -0.1953125 , -0.19042969, -0.10546875,  0.05834961,  0.0390625 ,
         0.29296875, -0.55859375,  0.03088379,  0.20117188, -0.18066406,
        -0.28515625,  0.07080078, -0.20800781, -0.16113281,  0.40234375,
         0.0112915 , -0.09570312, -0.36914062, -0.01464844,  0.18457031,
        -0.01623535,  0.03955078, -0.32421875, -0.14648438,  0.11181641,
         0.18261719, -0.04736328,  0.17285156, -0.05175781, -0.14160156,
        -0.3359375 , -0.21972656, -0.06396484,  0.2421875 , -0.14550781,
        -0.23046875,  0.04125977, -0.2265625 ,  0.10058594,  0.12158203,
         0.24023438, -0.20019531, -0.11572266, -0.17285156,  0.19140625,
        -0.10546875, -0.04492188, -0.16113281, -0.10449219, -0.40625   ,
         0.07470703, -0.38085938, -0.3046875 ,  0.03417969, -0.03491211,
        -0.15234375, -0.07373047,  0.06396484,  0.05664062, -0.03613281,
        -0.09814453,  0.29101562, -0.15625   , -0.11230469,  0.203125  ,
        -0.4765625 ,  0.16992188,  0.02990723, -0.296875  ,  0.02111816,
        -0.01623535,  0.34960938,  0.01782227,  0.06835938, -0.10693359,
         0.01843262,  0.31640625, -0.03369141,  0.265625  , -0.38476562,
         0.00817871, -0.13964844, -0.00756836,  0.01306152,  0.1875    ,
         0.17382812,  0.11767578,  0.16015625, -0.05957031, -0.08398438,
         0.11914062,  0.25390625,  0.02709961, -0.05493164,  0.10107422,
         0.45117188, -0.26953125, -0.3203125 ,  0.11865234, -0.11083984,
        -0.25390625,  0.24316406, -0.02282715, -0.109375  , -0.16113281,
         0.09179688, -0.265625  , -0.11816406, -0.02001953,  0.40429688,
         0.01745605,  0.16015625, -0.31054688, -0.02648926, -0.14257812,
         0.02954102,  0.12792969, -0.04272461, -0.14160156,  0.06542969,
        -0.01123047, -0.02148438,  0.10400391,  0.17382812, -0.12451172,
```

```
        -0.01361084, -0.08886719,  0.02490234, -0.19042969,  0.01226807,
         0.18164062, -0.18066406, -0.20117188, -0.09570312,  0.13769531,
         0.04052734,  0.22558594,  0.09960938,  0.27929688,  0.15527344,
         0.09863281,  0.28320312,  0.06030273,  0.08056641,  0.00494385,
         0.14160156,  0.11083984,  0.43945312, -0.30273438, -0.0612793 ,
        -0.00915527, -0.05029297,  0.0612793 ,  0.19238281,  0.06640625,
        -0.23242188, -0.10058594, -0.20605469,  0.10546875, -0.20214844,
         0.2265625 ,  0.00854492,  0.23730469, -0.25585938,  0.07470703,
        -0.05004883, -0.07714844, -0.0534668 ,  0.02746582, -0.24414062,
         0.04125977,  0.09228516,  0.26171875,  0.07910156, -0.12597656,
        -0.06445312, -0.11328125, -0.25390625,  0.08984375,  0.3046875 ,
        -0.22753906,  0.08740234, -0.11572266,  0.24121094, -0.09912109,
         0.00518799, -0.08691406,  0.03979492, -0.01159668,  0.21484375,
         0.43359375,  0.25585938, -0.20019531,  0.27734375,  0.04638672,
        -0.3203125 , -0.02453613, -0.26171875, -0.13671875, -0.08154297],
       dtype=float32),
 'drive': array([-0.02587891,  0.09765625,  0.00897217, -0.09765625, -0.122
07031,
        -0.10351562,  0.03076172, -0.16796875, -0.00662231,  0.28710938,
        -0.01116943, -0.02929688, -0.05859375, -0.0071106 ,  0.1640625 ,
        -0.15234375,  0.21386719,  0.14941406,  0.14648438, -0.19628906,
         0.08544922,  0.09423828, -0.06445312,  0.17089844,  0.2421875 ,
         0.08154297, -0.22558594,  0.00546265,  0.20996094, -0.03320312,
        -0.02868652, -0.00125885,  0.0030365 , -0.05712891, -0.1484375 ,
        -0.01025391,  0.18457031, -0.171875  ,  0.12792969,  0.0246582 ,
         0.10498047,  0.16699219,  0.04614258,  0.02636719, -0.21582031,
         0.01275635, -0.06396484, -0.02075195,  0.20800781,  0.10400391,
         0.04858398,  0.08105469,  0.18554688,  0.16503906, -0.08056641,
         0.0267334 , -0.09960938, -0.01098633, -0.09130859, -0.00732422,
         0.07470703, -0.0625    , -0.43945312,  0.10351562,  0.26367188,
         0.12597656, -0.14550781,  0.19335938, -0.01184082,  0.11230469,
         0.00753784, -0.18359375,  0.05615234, -0.36523438, -0.07666016,
        -0.13574219,  0.05932617,  0.11230469,  0.16308594,  0.02368164,
        -0.00092697, -0.24804688, -0.04125977, -0.08007812,  0.046875  ,
         0.20703125, -0.07080078,  0.20605469, -0.140625  , -0.07958984,
        -0.08349609,  0.05834961, -0.0402832 ,  0.078125  ,  0.09716797,
        -0.10742188,  0.05859375,  0.19238281, -0.11669922,  0.1875    ,
        -0.02478027,  0.01916504,  0.08056641,  0.22460938,  0.13769531,
        -0.30664062, -0.07324219, -0.14160156,  0.03588867, -0.09472656,
         0.05712891, -0.27539062, -0.09912109, -0.02648926,  0.22363281,
        -0.01031494,  0.04907227, -0.06396484,  0.03515625,  0.12792969,
         0.17089844,  0.13964844, -0.13085938,  0.30859375, -0.08496094,
         0.10253906,  0.15625   ,  0.0100708 ,  0.10546875, -0.03039551,
         0.171875  , -0.06884766,  0.19042969, -0.03051758,  0.08544922,
         0.09179688,  0.17089844,  0.03039551, -0.21582031, -0.10058594,
         0.06494141, -0.18261719,  0.04980469,  0.01904297,  0.09667969,
        -0.06396484,  0.21875   , -0.07421875, -0.04443359, -0.20410156,
         0.16699219,  0.10546875,  0.05322266,  0.22265625, -0.08007812,
         0.06494141, -0.08105469,  0.05883789, -0.27148438, -0.15136719,
        -0.09228516,  0.04321289, -0.01220703, -0.12353516, -0.14160156,
         0.04125977,  0.38671875, -0.140625  , -0.03588867, -0.40039062,
        -0.203125  ,  0.04223633, -0.06884766, -0.140625  , -0.1328125 ,
         0.19921875, -0.08447266,  0.01123047, -0.09960938,  0.04467773,
        -0.20703125, -0.04516602,  0.05151367,  0.06396484, -0.23925781,
        -0.01251221,  0.07080078,  0.05029297,  0.1328125 , -0.19042969,
         0.05419922, -0.08837891,  0.14550781,  0.07324219, -0.13769531,
         0.02111816, -0.01940918,  0.01831055, -0.08544922,  0.03955078,
         0.06835938,  0.1171875 , -0.01647949,  0.02172852,  0.19824219,
        -0.04052734,  0.19921875, -0.23535156,  0.19824219, -0.11621094,
         0.03222656,  0.18359375, -0.21972656,  0.1640625 , -0.07568359,
         0.1640625 ,  0.22460938,  0.08251953, -0.17578125,  0.02319336,
        -0.04443359, -0.24902344,  0.45703125, -0.27734375,  0.08105469,
         0.09179688,  0.00689697, -0.125     ,  0.17675781, -0.14550781,
         0.20019531,  0.01696777,  0.12402344, -0.16113281, -0.12890625,
```

```
       -0.11865234, -0.15722656,  0.0546875 , -0.02648926, -0.17089844,
       -0.15722656, -0.0201416 , -0.17675781, -0.15527344, -0.03039551,
        0.0324707 , -0.09228516, -0.08203125,  0.26171875,  0.06933594,
       -0.03735352,  0.12890625, -0.03076172,  0.13671875,  0.08203125,
       -0.06787109,  0.07714844,  0.05688477, -0.0135498 , -0.06542969,
       -0.12207031,  0.14453125,  0.01928711,  0.16894531,  0.140625  ,
        0.03564453,  0.08886719,  0.05908203, -0.09472656,  0.17871094,
       -0.10253906,  0.08251953,  0.17773438,  0.08544922, -0.08154297,
       -0.00280762, -0.06982422, -0.13085938, -0.19726562,  0.10546875,
        0.13476562,  0.00312805,  0.01074219, -0.06298828, -0.12890625,
        0.01165771, -0.01049805,  0.12060547, -0.02502441,  0.12158203,
       -0.01177979,  0.38085938, -0.18164062,  0.2578125 ,  0.11328125,
       -0.06933594, -0.01647949, -0.02563477, -0.07617188, -0.12792969],
      dtype=float32),
 'doc': array([-8.15429688e-02,  2.42187500e-01, -2.07519531e-02,  1.738281
25e-01,
        1.49414062e-01,  2.37304688e-01,  8.93554688e-02,  2.99072266e-02,
        1.51367188e-01, -4.02343750e-01, -2.67578125e-01, -2.49023438e-01,
       -8.25195312e-02,  1.05957031e-01, -1.40625000e-01,  2.02148438e-01,
       -5.76782227e-03,  1.49414062e-01, -1.04980469e-01, -1.62109375e-01,
        1.34765625e-01,  6.25000000e-02, -8.25195312e-02,  1.75781250e-01,
        6.43920898e-03, -1.67968750e-01, -2.57812500e-01,  4.63867188e-03,
        9.47265625e-02, -3.34472656e-02, -8.88671875e-02,  2.55859375e-01,
       -1.49414062e-01, -1.57226562e-01, -2.24609375e-01, -6.49414062e-02,
        6.78710938e-02,  7.17773438e-02,  3.08593750e-01, -2.12890625e-01,
        1.32812500e-01, -3.02734375e-01,  4.07714844e-02,  3.45703125e-01,
        2.84423828e-02,  2.81982422e-02,  1.45507812e-01, -9.32617188e-02,
        2.65625000e-01, -3.54003906e-03, -2.42187500e-01, -3.37890625e-01,
       -2.20703125e-01,  1.64794922e-02,  7.61718750e-02, -2.01171875e-01,
        1.80664062e-02,  2.50000000e-01, -1.25976562e-01, -4.10156250e-02,
        1.16210938e-01, -4.66308594e-02, -1.16825104e-04,  3.47656250e-01,
        4.39453125e-02, -2.17773438e-01, -2.13867188e-01,  7.56835938e-02,
        5.85937500e-02, -1.71875000e-01,  4.76837158e-04,  1.99218750e-01,
       -1.69921875e-01, -2.99072266e-02, -3.10546875e-01,  1.26953125e-01,
        1.23535156e-01,  2.19726562e-02, -1.46484375e-01,  2.44140625e-01,
        4.00390625e-02,  2.29492188e-02, -5.10253906e-02, -1.67968750e-01,
        9.46044922e-03, -1.25976562e-01, -1.21582031e-01,  1.56250000e-02,
        2.08007812e-01, -1.93359375e-01, -1.35742188e-01,  4.12109375e-01,
        3.80859375e-01, -8.05664062e-02,  7.12890625e-02,  4.39453125e-01,
        7.51953125e-02, -4.51660156e-02,  1.64062500e-01, -2.39257812e-01,
       -1.00585938e-01, -3.20312500e-01,  8.88671875e-02, -1.83593750e-01,
        2.15820312e-01,  4.54101562e-02, -3.53515625e-01, -2.19726562e-01,
        1.16699219e-01, -2.39257812e-01, -5.31005859e-03, -4.02832031e-03,
       -1.13281250e-01, -3.33984375e-01,  1.87500000e-01,  1.37695312e-01,
       -2.53906250e-01, -2.77343750e-01,  9.81445312e-02,  5.22460938e-02,
       -1.70898438e-01, -1.05468750e-01,  2.23388672e-02, -1.99218750e-01,
        2.77343750e-01, -6.05468750e-02, -1.68945312e-01, -2.19726562e-02,
        1.41601562e-01,  5.79833984e-03, -2.23632812e-01, -3.16406250e-01,
        1.97265625e-01, -1.55273438e-01, -5.07354736e-04,  1.30859375e-01,
        2.51953125e-01, -8.98437500e-02, -5.17578125e-02,  3.75000000e-01,
        2.63671875e-01, -2.94921875e-01,  9.57031250e-02,  2.10937500e-01,
        9.76562500e-02, -3.84765625e-01,  2.28515625e-01,  3.55468750e-01,
       -2.98828125e-01,  6.17675781e-02, -4.69970703e-03, -2.69531250e-01,
        1.72119141e-02, -4.17480469e-02,  1.86767578e-02, -4.21875000e-01,
       -1.60156250e-01,  7.66601562e-02, -2.91015625e-01,  4.37011719e-02,
        1.18652344e-01,  9.71679688e-02, -5.29785156e-02,  1.28906250e-01,
        4.34570312e-02, -1.95312500e-01,  8.93554688e-02, -1.36718750e-01,
       -3.20312500e-01, -9.86328125e-02, -4.78515625e-02, -9.96093750e-02,
        2.40234375e-01, -1.76757812e-01,  1.09375000e-01, -1.08886719e-01,
        2.49023438e-01, -8.48388672e-03,  1.43554688e-01,  1.55273438e-01,
       -1.20117188e-01, -2.05078125e-01, -4.07714844e-02, -2.77343750e-01,
       -4.07714844e-02,  2.94921875e-01,  1.00585938e-01, -1.67083740e-03,
       -7.86132812e-02, -1.25976562e-01,  4.44335938e-02, -2.61230469e-02,
        3.71093750e-01,  1.84570312e-01,  1.00097656e-01,  2.32421875e-01,
```

```
        -3.57421875e-01, -2.08007812e-01, -4.02832031e-02,  2.47070312e-01,
        -2.00195312e-01,  2.79296875e-01, -3.34472656e-02,  1.05468750e-01,
         1.40625000e-01, -4.44412231e-04, -2.87109375e-01,  1.40625000e-01,
        -1.24511719e-01, -3.12500000e-02,  2.11181641e-02,  3.30078125e-01,
        -1.02233887e-03,  1.47460938e-01, -2.16796875e-01,  7.71484375e-02,
        -2.67578125e-01, -1.10351562e-01, -7.32421875e-02, -1.42578125e-01,
        -1.78710938e-01, -7.37304688e-02,  2.86865234e-02,  3.00781250e-01,
        -6.98242188e-02, -1.43554688e-01,  1.83593750e-01, -1.51367188e-02,
        -6.54296875e-02, -2.46582031e-02, -1.40625000e-01,  1.58691406e-02,
        -1.53320312e-01, -1.70898438e-01,  3.17382812e-02,  9.22851562e-02,
         2.83203125e-01,  2.57812500e-01,  6.83593750e-02, -2.04101562e-01,
         4.49218750e-01,  4.58984375e-02,  3.32031250e-02,  7.91015625e-02,
        -1.60156250e-01,  3.41796875e-02, -2.51953125e-01,  4.10156250e-01,
         3.00781250e-01,  4.66308594e-02, -9.03320312e-03, -3.32031250e-01,
         1.67968750e-01,  1.56250000e-01,  1.83593750e-01,  2.18750000e-01,
        -3.41796875e-02, -1.08886719e-01,  1.25976562e-01,  1.09863281e-02,
        -2.61230469e-02,  2.94921875e-01, -7.17773438e-02, -3.75000000e-01,
         1.20605469e-01,  1.66992188e-01, -6.49414062e-02, -1.04980469e-01,
         4.05883789e-03, -2.42187500e-01, -1.85546875e-02,  1.72119141e-02,
         2.44140625e-01,  1.58691406e-02,  3.84765625e-01, -1.56250000e-01,
        -2.19726562e-01, -5.44433594e-02, -2.77099609e-02,  2.29492188e-01,
         6.05468750e-02, -4.33593750e-01, -1.67236328e-02,  4.25781250e-01,
         1.59179688e-01,  2.12890625e-01, -5.82885742e-03, -1.57226562e-01,
        -2.79541016e-02,  9.47265625e-02,  6.16455078e-03, -1.64062500e-01,
        -1.84570312e-01,  2.55859375e-01, -3.51562500e-01,  7.71484375e-02,
        -2.15820312e-01, -9.96093750e-02, -1.63085938e-01, -2.46582031e-0
2],
       dtype=float32),
 'sheet': array([ 0.05859375, -0.00479126,  0.18261719, -0.2265625 ,  0.096
19141,
         0.07080078,  0.12255859, -0.05688477, -0.05200195, -0.12695312,
         0.09912109, -0.28320312,  0.02429199,  0.01953125, -0.12304688,
        -0.13867188, -0.07617188, -0.23925781,  0.15722656, -0.12597656,
         0.02404785,  0.16601562, -0.328125  , -0.140625  ,  0.08398438,
        -0.1328125 ,  0.16113281, -0.09814453, -0.23242188,  0.07470703,
        -0.08447266, -0.09619141,  0.02038574,  0.24902344,  0.06884766,
         0.21875   , -0.04663086,  0.39453125,  0.27148438,  0.01989746,
        -0.17382812,  0.04516602, -0.05078125, -0.05126953,  0.11816406,
        -0.21582031,  0.07666016,  0.03271484,  0.18945312,  0.12011719,
         0.02099609, -0.11669922, -0.21191406, -0.0625    ,  0.21972656,
        -0.09863281,  0.06298828, -0.12451172, -0.10839844,  0.13476562,
        -0.09960938,  0.22167969, -0.07910156, -0.08203125, -0.05517578,
         0.01196289, -0.28125   , -0.13574219,  0.36914062, -0.03015137,
         0.41015625, -0.05737305,  0.1796875 , -0.15625   , -0.4453125 ,
        -0.05517578,  0.21972656,  0.08886719,  0.01159668, -0.10107422,
         0.30273438, -0.27929688, -0.21484375, -0.04736328,  0.42382812,
         0.05737305, -0.02978516,  0.03833008,  0.2578125 ,  0.05883789,
         0.00056839, -0.03955078,  0.001091  , -0.12011719, -0.4296875 ,
         0.1875    ,  0.0859375 ,  0.08398438,  0.25      , -0.05737305,
         0.00582886, -0.15429688, -0.19824219, -0.00836182, -0.3515625 ,
         0.04394531,  0.06152344, -0.23925781, -0.01257324,  0.00118256,
        -0.11230469, -0.11816406, -0.09228516, -0.05688477, -0.12060547,
         0.13964844,  0.17089844, -0.13964844, -0.01293945,  0.26171875,
        -0.203125  ,  0.0456543 , -0.31054688,  0.08886719,  0.24707031,
        -0.08251953,  0.04370117, -0.18066406,  0.04370117,  0.28515625,
         0.08251953,  0.20214844,  0.14550781, -0.11962891,  0.1484375 ,
        -0.03808594, -0.21777344, -0.11279297,  0.0625    ,  0.09326172,
         0.14648438,  0.12695312,  0.14746094,  0.07324219, -0.16894531,
         0.19238281, -0.15039062, -0.12890625,  0.05688477,  0.06054688,
         0.17480469, -0.1875    , -0.02197266,  0.06689453,  0.11083984,
        -0.02087402, -0.41210938, -0.07373047, -0.14550781,  0.3203125 ,
         0.00604248,  0.04980469,  0.22363281,  0.0032959 ,  0.12988281,
         0.02441406,  0.08300781, -0.01348877, -0.28125   ,  0.08496094,
        -0.04858398, -0.13085938,  0.01611328,  0.17089844, -0.06591797,
```

```
        -0.10400391, -0.13476562, -0.43359375, -0.01623535, -0.20507812,
        -0.19335938, -0.16601562, -0.00254822,  0.27539062, -0.07373047,
        -0.00958252, -0.09130859,  0.17675781,  0.07861328,  0.22949219,
         0.26953125, -0.10498047, -0.10986328,  0.12304688,  0.06884766,
         0.02844238,  0.05566406, -0.22070312, -0.23046875, -0.24609375,
        -0.04882812,  0.03320312, -0.22753906,  0.02026367,  0.17773438,
         0.11328125,  0.18359375,  0.09521484,  0.23632812,  0.19140625,
        -0.21484375,  0.16796875, -0.16894531,  0.01501465,  0.05102539,
        -0.01611328,  0.31445312,  0.08056641, -0.4140625 , -0.01287842,
         0.11425781,  0.11425781, -0.24023438, -0.06298828, -0.08740234,
         0.00805664,  0.0402832 ,  0.08691406,  0.04370117, -0.19042969,
        -0.08056641, -0.17871094,  0.22070312, -0.20996094, -0.21679688,
        -0.23730469,  0.12402344,  0.04443359,  0.05908203, -0.02416992,
         0.05761719, -0.07666016,  0.10107422, -0.10253906,  0.10253906,
        -0.10058594,  0.17675781, -0.03112793, -0.31640625,  0.04296875,
         0.28125   ,  0.10400391,  0.12695312, -0.08740234, -0.06982422,
        -0.01940918, -0.26757812,  0.18164062,  0.05932617, -0.09521484,
        -0.05224609,  0.13378906, -0.40039062, -0.52734375, -0.00854492,
         0.20019531,  0.01904297,  0.05834961,  0.1328125 , -0.5234375 ,
         0.03088379,  0.07373047,  0.17480469, -0.00891113,  0.11328125,
         0.08056641,  0.12792969, -0.21386719, -0.00799561,  0.06591797,
         0.00952148, -0.13378906, -0.15527344,  0.33007812,  0.06054688,
        -0.2265625 ,  0.234375  ,  0.15234375,  0.05200195,  0.06640625,
         0.00521851, -0.10302734, -0.12890625,  0.11035156, -0.02160645,
        -0.06103516,  0.04882812, -0.03491211, -0.296875  , -0.06201172],
       dtype=float32),
 'email': array([-3.93066406e-02, -7.86132812e-02, -1.18164062e-01,  5.7128
9062e-02,
         9.57031250e-02,  3.71093750e-01,  2.16064453e-02,  1.96289062e-01,
         1.02539062e-01, -5.02929688e-02,  1.01074219e-01,  5.22460938e-02,
         3.51562500e-02, -6.73828125e-02,  1.57226562e-01,  2.41210938e-01,
         2.53906250e-01, -7.59887695e-03,  1.67236328e-02, -3.54003906e-02,
         3.06640625e-01,  5.39550781e-02,  2.67578125e-01, -2.69531250e-01,
        -1.66015625e-01, -7.76367188e-02, -7.47070312e-02,  2.65625000e-01,
         1.92382812e-01, -3.24707031e-02,  3.80859375e-02, -2.23632812e-01,
        -1.20605469e-01, -2.91015625e-01,  6.98242188e-02, -2.75390625e-01,
         3.86718750e-01,  2.04101562e-01,  2.09960938e-01, -1.41601562e-01,
        -1.07910156e-01, -1.42578125e-01,  9.61914062e-02,  1.73828125e-01,
         8.39233398e-04, -4.19921875e-02,  8.54492188e-02, -1.46484375e-01,
        -3.65234375e-01, -2.09960938e-01, -1.56250000e-01,  5.76171875e-02,
         7.27539062e-02,  1.65039062e-01,  1.90429688e-01,  5.56640625e-02,
         3.26171875e-01, -4.44335938e-02, -1.19140625e-01, -1.43554688e-01,
         1.90429688e-02, -2.86865234e-02, -2.71484375e-01,  2.48046875e-01,
        -2.65625000e-01,  3.32031250e-02, -2.61718750e-01, -5.07812500e-02,
         2.65625000e-01,  3.33984375e-01, -3.20312500e-01,  1.80664062e-01,
         1.39648438e-01, -1.08398438e-01, -1.67846680e-03, -2.61718750e-01,
        -4.95605469e-02, -1.03515625e-01,  2.53906250e-01,  2.13623047e-02,
         6.12792969e-02,  1.18652344e-01,  1.14746094e-01,  1.10839844e-01,
         2.03125000e-01, -2.48046875e-01, -7.27539062e-02, -1.56250000e-01,
        -1.55273438e-01,  2.59765625e-01,  1.82617188e-01, -1.40625000e-01,
        -3.33984375e-01, -2.96875000e-01,  2.29492188e-02,  1.09863281e-01,
         1.38549805e-02,  1.43554688e-01,  2.63671875e-01,  1.01562500e-01,
        -2.12402344e-02, -1.93359375e-01, -5.49316406e-02, -2.18505859e-02,
         1.61132812e-02, -1.50146484e-02, -2.73437500e-01,  1.50390625e-01,
        -6.83593750e-02,  2.65625000e-01, -2.39257812e-01, -9.86328125e-02,
        -4.95605469e-02, -1.67968750e-01,  6.44531250e-02,  1.66015625e-01,
        -3.14941406e-02, -2.32421875e-01,  4.98046875e-01,  2.81250000e-01,
        -9.71679688e-02, -1.71875000e-01, -1.20117188e-01,  2.34375000e-01,
         1.06445312e-01, -2.89062500e-01, -1.12792969e-01,  2.99072266e-02,
         3.04687500e-01,  9.32617188e-02, -3.08593750e-01, -2.40234375e-01,
        -2.53906250e-01,  3.35937500e-01, -1.80664062e-01, -2.26562500e-01,
         1.92382812e-01, -1.25976562e-01, -1.28173828e-02, -3.54003906e-02,
         6.17675781e-02, -5.90820312e-02, -1.10839844e-01, -3.39843750e-01,
         3.08593750e-01, -1.03759766e-02,  9.61914062e-02, -3.32031250e-01,
```

```
        -4.05273438e-02, -1.70898438e-01,  4.37500000e-01,  4.14062500e-01,
         1.66992188e-01,  1.03027344e-01,  2.92968750e-01, -2.83203125e-01,
        -2.77343750e-01,  3.43322754e-03, -1.87500000e-01,  1.44042969e-02,
        -2.67578125e-01,  2.92968750e-01, -3.84765625e-01,  2.38281250e-01,
         1.01562500e-01, -4.98046875e-02, -2.94921875e-01, -2.87109375e-01,
        -3.20312500e-01,  3.41796875e-01, -1.55273438e-01,  1.39648438e-01,
         3.12500000e-02, -1.68457031e-02, -4.63867188e-02, -2.30468750e-01,
         3.12500000e-01,  1.07421875e-01,  4.30297852e-03, -5.20019531e-02,
        -2.71484375e-01, -9.22851562e-02, -5.37109375e-02,  4.00390625e-02,
         1.65039062e-01, -5.41992188e-02, -3.51562500e-01,  2.21679688e-01,
        -6.93359375e-02,  3.22265625e-01, -1.61132812e-01,  1.56402588e-03,
        -1.24023438e-01, -1.44653320e-02,  1.11328125e-01,  2.13623047e-02,
         4.21875000e-01,  7.51953125e-02,  2.98828125e-01, -1.66015625e-02,
         1.51367188e-01,  6.98242188e-02,  1.50390625e-01,  7.91015625e-02,
        -1.53808594e-02,  1.55273438e-01,  1.25000000e-01,  9.32617188e-02,
         2.16064453e-02,  1.06933594e-01,  1.61132812e-01,  5.95703125e-02,
         3.66210938e-02, -1.10351562e-01, -2.43164062e-01,  1.54296875e-01,
         5.83496094e-02,  1.41601562e-01, -1.32812500e-01, -1.18164062e-01,
         2.00195312e-02,  2.75390625e-01, -2.88085938e-02, -3.43750000e-01,
         1.67968750e-01,  5.10253906e-02,  8.30078125e-02, -7.08007812e-02,
        -1.76757812e-01, -8.00781250e-02, -1.67968750e-01,  2.94921875e-01,
        -2.79296875e-01, -4.74609375e-01, -5.83496094e-02, -5.29785156e-02,
         2.28515625e-01, -4.78515625e-02, -7.17773438e-02, -1.34765625e-01,
         9.22851562e-02,  2.16796875e-01, -1.51367188e-01, -2.55859375e-01,
         1.38671875e-01,  7.51953125e-02,  1.13281250e-01,  2.50000000e-01,
         1.97265625e-01, -4.19921875e-02, -8.25195312e-02,  1.48437500e-01,
        -2.10937500e-01,  4.27734375e-01,  1.13281250e-01, -2.61718750e-01,
         2.20703125e-01, -8.00781250e-02, -3.37890625e-01, -1.12792969e-01,
         3.59375000e-01,  2.29492188e-02, -7.42187500e-02, -2.27539062e-01,
        -1.65039062e-01,  1.46865845e-04, -2.23632812e-01, -5.54199219e-02,
        -1.29882812e-01, -3.30078125e-01,  1.54296875e-01,  3.43750000e-01,
        -1.47460938e-01, -1.62109375e-01, -1.09863281e-01, -2.26562500e-01,
         8.39843750e-02, -1.17187500e-01,  4.88281250e-01,  1.82617188e-01,
        -1.59179688e-01,  8.39843750e-02, -2.02148438e-01, -1.58203125e-01,
         4.80957031e-02,  2.96875000e-01,  3.32031250e-01,  2.87109375e-01,
         2.34375000e-01,  3.18359375e-01,  1.83593750e-01,  8.93554688e-02,
        -3.71093750e-02, -2.87109375e-01, -2.57568359e-02, -1.60156250e-01,
         8.83789062e-02, -1.84570312e-01, -1.45507812e-01, -1.69677734e-0
2],
       dtype=float32),
 'includes': array([-8.30078125e-02, -8.98437500e-02,  1.61132812e-01, -3.3
4472656e-02,
         8.69140625e-02,  4.15039062e-02, -7.66601562e-02, -4.76074219e-02,
        -6.93359375e-02, -2.23388672e-02, -2.19726562e-02,  9.17968750e-02,
         1.48437500e-01,  6.05468750e-02,  2.18750000e-01,  3.16406250e-01,
        -5.18798828e-03, -2.13623047e-02, -1.69921875e-01,  6.03027344e-02,
        -2.87109375e-01,  1.25000000e-01, -4.72656250e-01,  4.58984375e-01,
        -1.00097656e-01,  1.73187256e-03, -2.29492188e-01,  2.04101562e-01,
        -3.32031250e-02,  1.59179688e-01,  1.29882812e-01, -1.15234375e-01,
         7.32421875e-03,  3.47656250e-01,  1.97265625e-01, -1.61132812e-02,
        -1.25000000e-01,  4.63867188e-02, -1.57470703e-02, -1.36566162e-03,
         2.65625000e-01,  1.01074219e-01,  9.91210938e-02,  2.09960938e-01,
        -2.13867188e-01, -2.50000000e-01, -2.41699219e-02, -1.86523438e-01,
         1.97265625e-01, -1.42578125e-01, -9.13085938e-02,  9.91821289e-04,
         4.24804688e-02, -1.60156250e-01, -1.15234375e-01,  1.66015625e-01,
        -1.58203125e-01,  7.78198242e-03,  2.14843750e-01,  1.30859375e-01,
        -3.95507812e-02,  1.58203125e-01, -3.49121094e-02, -2.92968750e-01,
         2.92968750e-01,  1.21459961e-02, -1.24511719e-01,  1.22070312e-01,
        -5.44433594e-02,  6.15234375e-02,  2.65625000e-01,  6.49414062e-02,
         4.12109375e-01,  2.38281250e-01, -3.22265625e-02, -9.71679688e-02,
         1.32812500e-01,  6.17675781e-02, -1.23535156e-01,  2.00195312e-01,
        -1.77001953e-03, -2.96875000e-01,  1.00708008e-02,  1.37695312e-01,
         1.26953125e-01, -2.04101562e-01, -3.22265625e-01, -7.47070312e-02,
         3.88183594e-02, -1.12792969e-01,  4.39453125e-02, -9.61914062e-02,
```

```
         8.69140625e-02, -4.66308594e-02,  2.27355957e-03, -8.54492188e-02,
        -4.41894531e-02,  2.57812500e-01, -1.08398438e-01,  8.69140625e-02,
         1.21093750e-01, -3.46679688e-02, -3.08593750e-01,  1.33789062e-01,
        -3.18359375e-01, -8.25195312e-02,  5.66406250e-02,  1.50390625e-01,
        -1.35742188e-01,  2.17285156e-02, -1.88476562e-01,  6.83593750e-03,
        -2.44140625e-02, -7.76367188e-02,  1.27929688e-01,  1.28906250e-01,
        -1.74804688e-01,  1.66015625e-01,  2.33398438e-01,  4.44335938e-02,
         1.23046875e-01, -1.34765625e-01,  9.57031250e-02,  1.88476562e-01,
         2.22656250e-01, -1.96289062e-01, -3.73535156e-02, -4.19921875e-02,
         2.98828125e-01,  3.45703125e-01, -5.52368164e-03,  1.09375000e-01,
         1.72119141e-02,  6.22558594e-02, -1.48437500e-01,  8.44726562e-02,
         1.42578125e-01,  1.64985657e-04,  8.44726562e-02, -1.25000000e-01,
         1.91406250e-01,  1.16699219e-01,  9.37500000e-02,  1.09863281e-01,
         3.71093750e-02, -1.75781250e-01,  2.54821777e-03, -1.44531250e-01,
         3.71093750e-02,  2.95410156e-02,  3.20312500e-01,  4.37011719e-02,
         2.85644531e-02, -1.51367188e-01,  1.17797852e-02, -1.40190125e-04,
         2.66113281e-02,  9.81445312e-02, -1.03515625e-01, -1.29882812e-01,
         2.47070312e-01,  4.83398438e-02, -4.41894531e-02,  1.06201172e-02,
         7.86132812e-02,  3.93066406e-02,  2.69531250e-01, -1.03515625e-01,
        -1.66992188e-01, -1.64062500e-01, -5.41992188e-02, -1.48437500e-01,
         2.38281250e-01, -3.17382812e-02, -1.40380859e-02, -6.17675781e-02,
        -1.24511719e-01,  3.10058594e-02,  7.66601562e-02,  2.55859375e-01,
        -3.02734375e-01, -6.39648438e-02, -8.25195312e-02,  4.24804688e-02,
        -2.96875000e-01,  2.49023438e-01, -1.36718750e-01,  5.59082031e-02,
         3.03955078e-02, -8.69140625e-02,  1.06445312e-01, -1.25976562e-01,
         1.05468750e-01, -1.93359375e-01, -2.98828125e-01,  2.08984375e-01,
        -2.40478516e-02, -1.52343750e-01, -9.47265625e-02, -3.65234375e-01,
         3.37890625e-01, -1.44531250e-01, -1.66992188e-01,  6.39648438e-02,
        -2.23632812e-01,  2.35351562e-01, -1.17797852e-02,  5.41992188e-02,
         3.08837891e-02,  1.10839844e-01, -1.85546875e-02, -1.62109375e-01,
         2.05078125e-01,  1.25976562e-01,  9.42382812e-02,  2.00195312e-01,
         2.73437500e-01,  1.51367188e-01, -1.46484375e-01,  2.88085938e-02,
        -4.66308594e-02, -1.45507812e-01, -3.54003906e-02, -1.08398438e-01,
         1.42578125e-01, -5.51757812e-02, -1.69921875e-01,  3.51562500e-02,
         7.03125000e-02,  5.54199219e-02,  1.36718750e-01, -5.05371094e-02,
        -9.13085938e-02,  3.96484375e-01, -2.37304688e-01,  1.38671875e-01,
         1.25976562e-01, -1.62109375e-01,  1.12792969e-01,  8.10546875e-02,
        -2.68554688e-02,  2.42187500e-01,  2.59765625e-01, -3.14941406e-02,
         9.76562500e-03,  2.77099609e-02, -3.75976562e-02,  2.19726562e-01,
        -1.04492188e-01, -1.77734375e-01, -1.21093750e-01,  1.68945312e-01,
        -9.32617188e-02,  1.06933594e-01, -1.57226562e-01,  1.24023438e-01,
        -1.59179688e-01, -2.75390625e-01, -1.12792969e-01,  5.00488281e-02,
        -8.00781250e-02, -2.42919922e-02,  1.68945312e-01, -5.76171875e-02,
        -7.56835938e-02,  1.89453125e-01, -3.90625000e-02, -1.56250000e-01,
        -4.73632812e-02, -1.72851562e-01, -1.21582031e-01, -6.03027344e-02,
        -9.57031250e-02, -2.08740234e-02,  5.11718750e-01, -2.09960938e-01,
         1.39648438e-01, -2.77343750e-01, -9.37500000e-02, -1.09100342e-03,
        -5.73730469e-02, -1.45507812e-01, -2.65625000e-01,  2.79296875e-01,
         2.95410156e-02,  2.30712891e-02, -1.29882812e-01, -2.00195312e-02,
         8.20312500e-02, -2.67578125e-01, -1.57226562e-01, -1.47460938e-01,
         1.21093750e-01,  1.51367188e-01, -4.80957031e-02,  3.68652344e-02,
         3.90625000e-02, -4.48608398e-03,  8.20312500e-02,  1.88476562e-0
1],
       dtype=float32),
 'file': array([ 2.85156250e-01,  2.31933594e-02, -3.17382812e-02, -2.97851
562e-02,
         5.34667969e-02, -9.91210938e-02, -1.34765625e-01,  1.37695312e-01,
         3.69140625e-01, -5.61523438e-02, -1.79687500e-01,  1.89453125e-01,
        -2.15820312e-01,  1.87500000e-01,  9.76562500e-02, -7.61718750e-02,
         3.22265625e-01,  3.19824219e-02, -1.96289062e-01, -1.69921875e-01,
        -1.66015625e-02,  3.78417969e-02, -1.50390625e-01, -1.33666992e-02,
         2.87109375e-01, -1.42578125e-01, -3.58886719e-02, -2.22656250e-01,
        -2.84423828e-02, -1.09252930e-02, -2.80380249e-04, -1.19628906e-01,
         5.34667969e-02,  2.09960938e-02, -3.37890625e-01, -6.93359375e-02,
```

```
 2.67578125e-01,  1.51367188e-01, -2.46582031e-02,  1.57226562e-01,
 1.30859375e-01,  2.63671875e-01,  1.83593750e-01, -2.74658203e-02,
-2.55859375e-01, -1.32812500e-01, -2.03125000e-01,  3.95507812e-02,
-1.93359375e-01,  2.42187500e-01, -4.49218750e-02, -4.31640625e-01,
 1.39648438e-01, -2.13867188e-01, -1.02539062e-01,  2.00195312e-01,
-4.07714844e-02, -2.61718750e-01, -2.21679688e-01,  5.10253906e-02,
 2.26562500e-01, -4.49218750e-02, -5.35156250e-01,  1.86523438e-01,
-1.72851562e-01,  1.60156250e-01,  1.31225586e-02, -2.02148438e-01,
 1.14746094e-01, -8.10546875e-02,  2.26562500e-01,  3.44238281e-02,
 1.31835938e-01, -8.15429688e-02, -1.58691406e-02, -9.52148438e-02,
 3.02734375e-01, -2.07031250e-01,  1.70898438e-01, -2.29492188e-01,
-3.32031250e-02, -5.78613281e-02, -9.08203125e-02,  4.05273438e-02,
 4.37500000e-01, -1.06445312e-01,  6.49414062e-02,  1.51367188e-01,
 1.00097656e-01, -2.37304688e-01,  2.05078125e-02, -2.73437500e-01,
 7.75146484e-03, -3.07617188e-02,  8.93554688e-02, -1.08642578e-02,
 1.88476562e-01,  1.84570312e-01,  2.02148438e-01, -3.54003906e-02,
-1.46484375e-01, -4.24804688e-02, -1.25000000e-01, -7.47070312e-02,
 7.32421875e-02,  1.03027344e-01, -1.36108398e-02,  4.07714844e-02,
 2.59765625e-01, -1.39648438e-01,  1.11816406e-01, -3.32031250e-01,
-2.99072266e-02, -1.01562500e-01,  4.95605469e-02,  4.56542969e-02,
-9.37500000e-02, -2.28515625e-01,  4.12109375e-01,  1.82617188e-01,
-1.82617188e-01, -2.23632812e-01,  4.29687500e-02,  2.48046875e-01,
 2.85156250e-01, -4.93164062e-02, -2.74658203e-02, -1.42578125e-01,
 3.37890625e-01,  4.49218750e-02,  2.38281250e-01, -8.88671875e-02,
 1.22558594e-01, -1.10839844e-01,  3.07617188e-02, -2.92968750e-01,
-6.10351562e-02, -1.32812500e-01, -4.34570312e-02,  2.27539062e-01,
-2.45361328e-02, -7.56835938e-02, -1.28906250e-01,  1.81640625e-01,
 1.33789062e-01, -1.97265625e-01, -4.66308594e-02,  2.61230469e-02,
-7.56835938e-02,  1.34765625e-01,  2.08984375e-01,  1.75781250e-01,
 1.06811523e-02, -8.39843750e-02,  1.90429688e-01, -2.18750000e-01,
-6.05468750e-02, -9.22851562e-02, -7.71484375e-02,  1.99218750e-01,
 1.97753906e-02,  1.92382812e-01, -3.22265625e-01, -5.34667969e-02,
 2.31445312e-01, -1.76757812e-01, -1.12304688e-01,  6.78710938e-02,
-3.03955078e-02, -4.46777344e-02, -1.26953125e-01, -2.69531250e-01,
-1.39648438e-01,  1.59179688e-01,  2.01171875e-01, -9.61914062e-02,
 1.21093750e-01,  7.91015625e-02, -9.33837891e-03, -2.73437500e-02,
-9.86328125e-02, -3.32031250e-01, -2.63671875e-01, -1.08398438e-01,
-1.60156250e-01,  1.53320312e-01, -2.55859375e-01,  1.32812500e-01,
 1.54296875e-01,  2.07031250e-01,  1.82617188e-01, -2.85156250e-01,
-3.55468750e-01,  3.01513672e-02,  3.59375000e-01,  1.25000000e-01,
-3.93066406e-02,  3.71093750e-02, -1.90429688e-01,  2.25585938e-01,
-1.11328125e-01, -1.52343750e-01,  1.20117188e-01, -4.27246094e-02,
-1.57470703e-02,  1.35742188e-01,  1.66015625e-02,  1.43554688e-01,
 2.89062500e-01, -7.81250000e-02,  2.45117188e-01,  3.78906250e-01,
-3.56445312e-02,  1.83105469e-02, -2.83203125e-01,  2.00195312e-01,
-1.25976562e-01,  1.75781250e-01, -5.85937500e-02, -2.91015625e-01,
-2.73437500e-01, -8.93554688e-02, -1.87500000e-01,  1.00097656e-01,
-8.85009766e-03, -1.73828125e-01, -9.57031250e-02,  3.66210938e-02,
 8.78906250e-02,  2.13867188e-01, -6.98242188e-02,  6.49414062e-02,
-5.07812500e-02, -1.65039062e-01, -3.14941406e-02, -2.16796875e-01,
 1.53320312e-01, -1.48437500e-01,  1.04003906e-01, -3.24218750e-01,
-3.26171875e-01, -9.17968750e-02, -8.64257812e-02,  9.08203125e-02,
 4.29687500e-02,  1.88476562e-01, -2.50244141e-02,  6.43920898e-03,
 3.61328125e-01, -3.27148438e-02, -1.94335938e-01,  3.49609375e-01,
-3.36914062e-02, -2.61718750e-01, -2.35351562e-01, -9.03320312e-02,
 2.89306641e-02,  7.32421875e-02,  3.01513672e-02, -2.96875000e-01,
-4.54101562e-02, -1.02539062e-01, -1.91406250e-01, -1.62109375e-01,
 1.68945312e-01,  1.31835938e-01,  1.55273438e-01, -2.61230469e-02,
-1.13769531e-01, -6.00585938e-02,  2.65625000e-01,  2.79296875e-01,
 1.04003906e-01,  2.13867188e-01,  9.81445312e-02, -1.07421875e-01,
-1.71875000e-01, -2.81250000e-01, -5.00488281e-02, -5.59082031e-02,
 2.38037109e-02,  3.26171875e-01,  2.24609375e-02,  2.53906250e-01,
 8.00781250e-02,  8.11767578e-03,  2.13867188e-01,  2.67578125e-01,
 3.56445312e-02,  2.92968750e-01,  1.80664062e-01,  8.54492188e-02,
```

```
        -2.18505859e-02,  1.81640625e-01,  1.74560547e-02, -3.71093750e-02,
        -1.89208984e-02, -1.44531250e-01, -2.87109375e-01,  2.05078125e-0
1],
       dtype=float32),
 'hr': array([-0.37890625,  0.10791016, -0.31054688,  0.17871094, -0.211914
06,
         0.01446533, -0.33007812, -0.39257812, -0.02282715,  0.10986328,
        -0.21582031,  0.15332031, -0.09716797,  0.01879883, -0.00424194,
         0.34960938, -0.1015625 ,  0.08544922,  0.03662109, -0.30078125,
        -0.37890625, -0.28515625,  0.09570312,  0.18164062, -0.42773438,
         0.04956055, -0.6328125 ,  0.1953125 ,  0.06396484,  0.13183594,
        -0.1640625 , -0.13867188, -0.16503906, -0.36132812, -0.58984375,
        -0.06738281, -0.44335938,  0.20410156, -0.3828125 ,  0.11376953,
         0.18261719, -0.2734375 ,  0.25976562, -0.23632812, -0.17871094,
        -0.09765625, -0.29296875,  0.34765625,  0.07177734,  0.03076172,
        -0.29296875, -0.21875   , -0.375     ,  0.35351562,  0.03930664,
        -0.07714844, -0.07373047, -0.23535156, -0.18164062, -0.22949219,
        -0.13476562,  0.05810547, -0.38476562, -0.35546875,  0.0480957 ,
        -0.13574219, -0.3359375 ,  0.13769531,  0.13769531,  0.06298828,
        -0.15527344,  0.30859375, -0.30273438, -0.13574219, -0.32617188,
        -0.15625   ,  0.15625   , -0.11669922, -0.14746094, -0.19433594,
        -0.09863281,  0.21289062,  0.13378906,  0.10351562,  0.00494385,
         0.33398438, -0.09863281,  0.24414062,  0.29296875,  0.2890625 ,
        -0.13867188,  0.38867188, -0.05297852, -0.12792969, -0.12255859,
         0.12304688, -0.09619141,  0.0612793 ,  0.40039062, -0.07177734,
         0.38867188,  0.06787109, -0.17382812, -0.15820312, -0.08203125,
         0.03271484,  0.0177002 , -0.140625  , -0.07226562,  0.03686523,
         0.28125   ,  0.15917969, -0.14648438, -0.07617188,  0.15136719,
         0.515625  ,  0.05029297, -0.00964355,  0.08935547,  0.05126953,
        -0.27148438,  0.05444336,  0.21386719,  0.19238281,  0.40039062,
         0.1328125 ,  0.01000977,  0.27148438,  0.41601562,  0.03881836,
        -0.10644531,  0.03637695,  0.01757812, -0.16992188, -0.22363281,
         0.03369141, -0.10205078, -0.17480469, -0.125     ,  0.24902344,
         0.15527344, -0.08251953,  0.13867188, -0.11865234, -0.39257812,
        -0.203125  ,  0.0177002 ,  0.23046875,  0.00811768, -0.29101562,
         0.11865234, -0.37304688, -0.10693359, -0.1640625 , -0.03637695,
        -0.16894531,  0.24121094,  0.36914062, -0.05834961, -0.21777344,
         0.12988281,  0.13085938, -0.19921875,  0.203125  ,  0.07275391,
         0.08251953, -0.05712891,  0.15039062, -0.1640625 , -0.04516602,
        -0.02990723, -0.20019531,  0.17871094,  0.01330566,  0.00958252,
         0.21289062, -0.22753906,  0.1328125 ,  0.06689453, -0.06054688,
        -0.34375   ,  0.17773438,  0.15820312, -0.01159668, -0.05615234,
         0.17578125,  0.07080078, -0.09521484,  0.12695312, -0.21875   ,
        -0.11230469,  0.04199219, -0.02270508,  0.15332031,  0.14746094,
         0.13476562, -0.13574219,  0.10253906, -0.10400391, -0.17480469,
        -0.27734375,  0.203125  , -0.14941406,  0.234375  ,  0.2578125 ,
         0.17382812, -0.22460938, -0.01263428,  0.01159668, -0.03320312,
         0.28320312,  0.06005859, -0.33007812, -0.15820312,  0.140625  ,
         0.140625  ,  0.13964844,  0.07373047, -0.22558594, -0.06079102,
        -0.11279297,  0.20605469,  0.16015625,  0.03930664, -0.078125  ,
        -0.11523438,  0.05541992,  0.00256348, -0.22753906, -0.12060547,
         0.3125    , -0.22070312,  0.00325012,  0.01525879, -0.1953125 ,
        -0.14941406,  0.0213623 ,  0.05126953,  0.06494141,  0.11328125,
         0.00283813,  0.20800781,  0.234375  , -0.08544922, -0.26953125,
        -0.14648438, -0.51171875,  0.20410156, -0.17871094, -0.29101562,
         0.34375   ,  0.26171875,  0.01116943,  0.25195312,  0.13671875,
         0.10742188,  0.23144531, -0.14257812,  0.10986328, -0.13183594,
         0.1640625 ,  0.00314331,  0.13183594, -0.2265625 ,  0.2578125 ,
         0.171875  ,  0.14257812, -0.04418945,  0.11279297,  0.08203125,
         0.01098633,  0.02429199, -0.03637695,  0.05639648, -0.13574219,
         0.12304688, -0.06396484, -0.10595703, -0.02941895,  0.22167969,
        -0.03979492,  0.296875  , -0.07910156, -0.04833984,  0.16113281,
         0.03564453, -0.06689453, -0.05688477, -0.06982422,  0.12792969,
         0.125     ,  0.17675781, -0.15234375,  0.27734375, -0.453125  ,
```

```
        -0.4375    , -0.58203125, -0.07568359, -0.0039978 ,  0.1328125 ],
       dtype=float32),
 'department': array([-0.12988281, -0.04785156,  0.01525879, -0.02636719, -
0.04272461,
        -0.10058594,  0.13378906, -0.1484375 , -0.32226562, -0.02380371,
         0.07177734, -0.11425781, -0.109375  , -0.140625  , -0.42578125,
         0.04321289,  0.04541016, -0.27929688, -0.0324707 , -0.07568359,
         0.10693359, -0.12988281, -0.01867676, -0.1484375 ,  0.05029297,
         0.04638672, -0.29101562,  0.15429688, -0.25195312, -0.20507812,
        -0.12402344, -0.23144531,  0.01092529,  0.05786133, -0.03344727,
        -0.11669922,  0.0703125 ,  0.09863281,  0.12695312,  0.01672363,
         0.1328125 , -0.07421875, -0.09863281, -0.00375366, -0.13964844,
        -0.04907227, -0.125     , -0.03112793, -0.20507812,  0.08203125,
         0.09228516, -0.07617188,  0.11376953, -0.06005859, -0.01953125,
        -0.16796875, -0.15039062,  0.05834961, -0.06005859,  0.08789062,
        -0.06933594,  0.10253906, -0.10253906, -0.11035156,  0.11328125,
         0.20117188, -0.18847656,  0.04077148, -0.14453125, -0.18847656,
        -0.15136719, -0.02441406,  0.16796875,  0.04394531, -0.07373047,
         0.12695312,  0.00497437,  0.09130859, -0.10205078, -0.13476562,
         0.29296875,  0.08105469,  0.16601562,  0.07128906, -0.12304688,
         0.01611328, -0.23925781,  0.10058594, -0.01074219,  0.30859375,
         0.09667969, -0.05126953,  0.01623535, -0.13183594, -0.09179688,
         0.09619141, -0.04223633,  0.11523438,  0.04321289,  0.09960938,
         0.07226562,  0.07421875, -0.11914062, -0.05078125,  0.15234375,
        -0.25976562, -0.17480469, -0.03198242,  0.04248047, -0.29101562,
        -0.08984375, -0.0402832 ,  0.14746094, -0.03320312,  0.10009766,
         0.11621094, -0.14453125, -0.04272461,  0.18261719,  0.13964844,
        -0.36523438, -0.04516602, -0.3046875 ,  0.20410156,  0.16699219,
         0.15625   ,  0.15136719, -0.00680542,  0.12207031,  0.09130859,
         0.04882812, -0.33203125, -0.09423828, -0.14453125, -0.04125977,
        -0.07861328, -0.02758789,  0.125     , -0.05175781,  0.0189209 ,
         0.14941406, -0.15625   , -0.03198242,  0.05322266, -0.25390625,
        -0.03515625, -0.02844238, -0.05810547, -0.25195312,  0.21875   ,
         0.27539062,  0.17578125, -0.08154297,  0.2734375 ,  0.12402344,
        -0.03320312,  0.109375  , -0.0246582 ,  0.06738281,  0.03198242,
         0.18847656,  0.03637695,  0.09179688, -0.0025177 ,  0.00297546,
        -0.0480957 , -0.02075195, -0.14453125,  0.10253906,  0.05297852,
         0.22558594, -0.08203125, -0.04223633,  0.04296875,  0.09570312,
        -0.01269531,  0.10546875,  0.10058594, -0.13964844,  0.06884766,
        -0.10644531,  0.12988281,  0.12353516, -0.17285156, -0.1875    ,
        -0.12304688, -0.01818848,  0.13085938,  0.05932617,  0.19824219,
         0.10009766, -0.171875  , -0.24902344,  0.23730469,  0.0480957 ,
        -0.08935547,  0.171875  , -0.14648438, -0.16308594,  0.24511719,
        -0.24902344, -0.17480469,  0.14257812,  0.01019287, -0.10205078,
        -0.21191406,  0.14257812, -0.01977539, -0.08496094,  0.03198242,
         0.14550781, -0.12353516, -0.09326172,  0.13964844, -0.02404785,
         0.06689453, -0.10400391,  0.13476562, -0.16894531,  0.07421875,
        -0.14257812,  0.09619141, -0.07910156,  0.06982422,  0.15820312,
        -0.13964844,  0.03735352,  0.140625  , -0.01226807,  0.02429199,
         0.15332031,  0.19726562, -0.30273438, -0.01501465, -0.02368164,
         0.05859375,  0.10742188, -0.11914062, -0.13769531, -0.11621094,
         0.11669922,  0.0067749 , -0.12792969, -0.12988281, -0.09716797,
        -0.21582031,  0.02966309, -0.22558594, -0.01177979, -0.12011719,
        -0.07177734,  0.10546875, -0.05444336, -0.06787109,  0.20703125,
        -0.2265625 , -0.05419922,  0.22460938, -0.02392578, -0.04907227,
         0.0402832 ,  0.06933594, -0.00994873,  0.03833008,  0.21289062,
        -0.03979492,  0.07128906, -0.12792969,  0.03344727,  0.11523438,
         0.13183594, -0.07666016, -0.15429688,  0.18554688, -0.05493164,
        -0.10351562,  0.31054688, -0.16601562,  0.02124023, -0.04174805,
        -0.23828125, -0.02563477,  0.37695312,  0.11083984,  0.03735352,
         0.18066406,  0.06640625,  0.06176758,  0.47070312,  0.15722656,
        -0.22363281, -0.07861328, -0.07666016,  0.23144531,  0.16210938,
         0.04663086,  0.02478027, -0.32421875, -0.08056641, -0.01708984],
       dtype=float32),
```

```
 'reliable': array([-9.32617188e-02, -1.46484375e-01, -8.64257812e-02, -8.5
9375000e-02,
        -8.98437500e-02,  2.47070312e-01, -5.03540039e-04, -1.25976562e-01,
         4.14062500e-01,  2.10937500e-01,  1.93359375e-01,  8.88671875e-02,
         5.88378906e-02,  1.85546875e-01,  9.42230225e-04,  8.64257812e-02,
         8.59375000e-02, -1.89453125e-01, -1.80664062e-02, -1.31835938e-01,
        -5.27343750e-02,  8.10546875e-02, -8.05664062e-02,  2.11914062e-01,
         1.10473633e-02, -1.13769531e-01, -3.65234375e-01,  1.38671875e-01,
         3.71093750e-02, -2.73437500e-01,  2.92968750e-01, -1.44531250e-01,
        -3.36914062e-02,  1.00708008e-02, -2.38037109e-02, -2.55126953e-02,
        -1.60156250e-01, -7.76367188e-02, -1.80664062e-01, -5.63964844e-02,
         3.54003906e-02, -9.82666016e-03, -1.70898438e-02, -1.10839844e-01,
         2.08984375e-01, -9.61914062e-02, -1.30859375e-01, -5.41992188e-02,
         4.24194336e-03,  2.91015625e-01,  8.44726562e-02,  9.03320312e-03,
        -1.64062500e-01, -1.26953125e-01, -1.28906250e-01,  1.78710938e-01,
        -3.96728516e-03, -1.15234375e-01, -8.10546875e-02, -3.32031250e-02,
        -1.06933594e-01, -1.20117188e-01, -5.07812500e-01, -5.71289062e-02,
         1.28906250e-01,  8.69140625e-02, -3.61328125e-01, -6.44531250e-02,
        -5.05371094e-02,  9.86328125e-02,  1.24511719e-01,  2.25585938e-01,
         1.51367188e-01, -3.53515625e-01, -1.98242188e-01,  3.36914062e-02,
        -1.84570312e-01,  1.83593750e-01,  2.28515625e-01,  2.07031250e-01,
        -4.85839844e-02, -3.02734375e-02,  3.32031250e-01, -9.71679688e-02,
         1.43554688e-01, -1.76757812e-01, -1.33789062e-01,  3.46374512e-03,
         9.71679688e-02,  1.62109375e-01,  9.91210938e-02,  6.88476562e-02,
         1.07421875e-01, -1.03027344e-01, -1.10839844e-01, -1.81640625e-01,
        -2.63671875e-01,  1.78710938e-01,  8.10546875e-02, -1.54296875e-01,
         1.09375000e-01,  1.75781250e-01, -7.86132812e-02, -1.20239258e-02,
        -1.18164062e-01, -1.36718750e-01, -4.07714844e-02,  1.59179688e-01,
         1.74804688e-01,  3.63769531e-02,  1.13281250e-01, -3.44238281e-02,
        -2.77343750e-01,  6.49414062e-02,  1.23535156e-01,  1.00097656e-01,
         1.56250000e-01,  2.41699219e-02,  1.66015625e-01, -1.64062500e-01,
        -2.71484375e-01,  1.29882812e-01,  1.62109375e-01, -1.21093750e-01,
        -2.29492188e-02,  1.04492188e-01,  3.39355469e-02, -2.11181641e-02,
        -2.11914062e-01, -2.88085938e-02, -2.87109375e-01,  8.34960938e-02,
        -9.39941406e-03,  3.16406250e-01, -8.74023438e-02, -2.59765625e-01,
         3.67187500e-01, -1.06445312e-01,  1.68457031e-02,  3.69140625e-01,
        -1.18652344e-01,  3.58886719e-02,  1.11328125e-01,  3.63281250e-01,
        -1.14257812e-01, -2.26562500e-01, -2.25585938e-01, -1.79687500e-01,
         1.55273438e-01, -4.85839844e-02, -1.13769531e-01, -4.61425781e-02,
         2.30712891e-02, -1.80664062e-01, -4.24804688e-02,  4.61425781e-02,
         4.29687500e-02,  1.16210938e-01, -1.20605469e-01, -3.69140625e-01,
        -2.09960938e-01,  1.92382812e-01,  8.83789062e-02,  5.78613281e-02,
        -6.64062500e-02,  4.60815430e-03, -2.35351562e-01, -9.81445312e-02,
        -4.61425781e-02, -3.39843750e-01, -2.81982422e-02, -5.70678711e-03,
         5.22460938e-02, -1.48437500e-01,  9.66796875e-02,  6.12792969e-02,
         3.19824219e-02, -3.55468750e-01, -2.24609375e-01, -3.68652344e-02,
        -9.03320312e-02, -2.59765625e-01,  1.49414062e-01, -2.04101562e-01,
         8.05664062e-03, -3.09753418e-03, -2.91015625e-01, -2.00195312e-01,
        -7.47680664e-03,  2.53906250e-01, -2.02148438e-01,  5.90820312e-02,
        -8.64257812e-02, -2.41210938e-01, -9.86328125e-02, -1.97265625e-01,
         4.34570312e-02, -3.24218750e-01, -1.02233887e-03, -2.08007812e-01,
         3.17382812e-02,  2.35351562e-01, -4.15039062e-02,  1.56250000e-01,
        -2.06054688e-01, -1.62109375e-01,  2.08740234e-02, -2.20703125e-01,
        -3.90625000e-02, -1.25000000e-01, -2.73437500e-01,  2.08007812e-01,
        -5.90820312e-02, -7.42187500e-02,  6.78710938e-02,  3.54003906e-02,
         2.18750000e-01,  7.86132812e-02, -2.79296875e-01,  2.89062500e-01,
         1.54296875e-01,  4.95605469e-02, -1.41601562e-01, -3.39355469e-02,
         6.59179688e-02,  1.71875000e-01,  2.43164062e-01,  1.41601562e-01,
         4.05273438e-02, -1.59179688e-01, -8.93554688e-02,  1.50390625e-01,
         4.86328125e-01, -7.12890625e-02, -1.47094727e-02,  1.45507812e-01,
        -4.68750000e-01, -4.04296875e-01, -9.47265625e-02, -1.66015625e-02,
        -6.20117188e-02, -7.71484375e-02, -9.96093750e-02,  3.12500000e-02,
         1.63085938e-01,  2.75390625e-01,  1.32812500e-01, -1.10351562e-01,
         9.76562500e-03, -2.52685547e-02, -2.20947266e-02, -4.24804688e-02,
```

```
         3.80859375e-02,  7.95898438e-02,  4.10156250e-02,  4.73632812e-02,
        -2.45117188e-01, -7.32421875e-02, -2.53906250e-01, -1.53320312e-01,
         2.20703125e-01,  1.78222656e-02, -3.14941406e-02,  2.46093750e-01,
         2.36816406e-02,  2.69531250e-01, -1.46484375e-01, -4.12109375e-01,
         4.27246094e-02,  6.22558594e-03,  6.93359375e-02, -7.95898438e-02,
        -1.58691406e-02,  6.88476562e-02, -7.81250000e-03,  6.29882812e-02,
        -2.15820312e-01, -1.30859375e-01,  1.75781250e-02,  1.07910156e-01,
        -2.35351562e-01,  1.52343750e-01,  1.34887695e-02,  5.10253906e-02,
        -6.15234375e-02, -5.85937500e-02,  2.13867188e-01, -1.10839844e-01,
         2.49023438e-02,  1.45263672e-02,  2.20703125e-01,  3.10546875e-01,
         6.73828125e-02,  2.67578125e-01, -7.81250000e-02,  2.49023438e-01,
        -1.59179688e-01, -6.20117188e-02,  5.90820312e-02,  1.95312500e-0
1],
       dtype=float32),
 'insured': array([-0.18847656, -0.0703125 ,  0.04614258,  0.02148438,  0.0
3662109,
         0.02539062,  0.26953125, -0.09716797,  0.6796875 , -0.12451172,
         0.04638672,  0.01855469, -0.11376953, -0.07373047, -0.02966309,
        -0.00315857,  0.28710938,  0.33007812, -0.01660156,  0.16699219,
         0.21484375, -0.17773438, -0.10009766,  0.26367188,  0.05395508,
         0.24511719, -0.203125  ,  0.21582031, -0.0559082 , -0.15429688,
        -0.25390625, -0.00601196,  0.18554688,  0.09912109,  0.07763672,
        -0.0168457 ,  0.01586914, -0.19921875,  0.00473022,  0.18164062,
         0.10986328, -0.02661133,  0.03149414, -0.26757812, -0.07421875,
        -0.546875  ,  0.23046875, -0.01574707, -0.06640625, -0.16308594,
        -0.02770996, -0.06494141, -0.37695312, -0.25      , -0.1796875 ,
         0.0168457 , -0.13085938, -0.16113281, -0.17285156, -0.17382812,
         0.01074219, -0.06738281,  0.01989746, -0.05786133, -0.05566406,
        -0.0267334 , -0.359375  ,  0.04272461, -0.27148438, -0.06591797,
        -0.19628906, -0.06079102,  0.39648438, -0.02856445, -0.40625   ,
        -0.10107422,  0.01074219, -0.23925781, -0.12597656,  0.01879883,
         0.09521484, -0.20214844, -0.34179688,  0.30078125, -0.3046875 ,
         0.1875    , -0.15039062,  0.25976562, -0.38867188, -0.16210938,
        -0.08007812, -0.1328125 ,  0.23828125,  0.12451172,  0.0859375 ,
        -0.13183594,  0.0546875 , -0.16210938,  0.0390625 , -0.17480469,
         0.05126953, -0.22265625, -0.05419922,  0.23535156,  0.11621094,
        -0.07910156,  0.203125  ,  0.03833008,  0.05322266, -0.23339844,
        -0.10693359, -0.02807617, -0.21484375, -0.08349609,  0.05200195,
         0.45703125,  0.40234375, -0.20019531,  0.28320312,  0.36523438,
        -0.01867676,  0.06030273,  0.21289062,  0.00161743,  0.26367188,
         0.21679688,  0.05078125, -0.07910156,  0.09521484,  0.05078125,
        -0.16699219,  0.03588867, -0.35351562, -0.21875   , -0.37109375,
        -0.20117188, -0.4296875 , -0.03149414, -0.09179688,  0.26367188,
        -0.10644531, -0.10302734, -0.1328125 , -0.15039062, -0.09619141,
        -0.25976562,  0.15722656,  0.14453125, -0.00078964, -0.00604248,
        -0.01672363, -0.41210938,  0.22851562, -0.07617188,  0.11914062,
         0.07421875, -0.25      ,  0.22949219,  0.08056641,  0.12890625,
         0.02832031,  0.14355469,  0.07958984,  0.25195312, -0.02441406,
        -0.16015625,  0.03442383,  0.03076172,  0.05151367,  0.06640625,
        -0.18359375,  0.18554688,  0.09716797, -0.171875  , -0.04296875,
         0.00759888,  0.29492188,  0.11523438, -0.17773438, -0.27929688,
        -0.16308594, -0.14453125, -0.16210938, -0.05053711, -0.24121094,
        -0.03063965,  0.09570312,  0.05053711, -0.09765625,  0.16992188,
         0.36914062,  0.06738281, -0.28125   ,  0.00637817, -0.16601562,
         0.07763672, -0.03173828,  0.1640625 ,  0.05957031, -0.03442383,
        -0.09814453,  0.17773438,  0.0062561 , -0.1953125 , -0.43554688,
        -0.06640625, -0.34375   , -0.19921875,  0.3125    , -0.4140625 ,
         0.09570312,  0.24316406,  0.05371094, -0.08984375, -0.203125  ,
         0.16894531, -0.21289062,  0.109375  ,  0.02478027, -0.07128906,
         0.03662109,  0.29882812,  0.14746094, -0.19726562,  0.04248047,
        -0.15917969,  0.16210938,  0.19726562, -0.07128906, -0.41210938,
        -0.00078201, -0.01269531,  0.18945312,  0.1328125 , -0.18457031,
        -0.01599121,  0.1484375 , -0.09521484, -0.15527344, -0.21777344,
        -0.14648438,  0.1953125 ,  0.11083984, -0.10205078, -0.02563477,
```

```
         0.32226562,  0.24707031,  0.15625   ,  0.30664062, -0.43554688,
        -0.2578125 , -0.33007812,  0.14257812, -0.00915527,  0.11279297,
        -0.06689453, -0.33007812,  0.06738281, -0.109375  ,  0.28515625,
        -0.51953125,  0.05151367, -0.12695312,  0.07421875,  0.15625   ,
         0.11523438,  0.06591797,  0.03540039, -0.0859375 ,  0.01080322,
        -0.35742188,  0.3984375 ,  0.30078125,  0.39648438, -0.05786133,
         0.00147247,  0.16699219,  0.09619141,  0.16113281,  0.12792969,
        -0.45507812,  0.10791016,  0.05566406, -0.21777344,  0.01446533,
        -0.19628906,  0.11328125, -0.01171875,  0.15429688, -0.02966309,
         0.28710938,  0.4609375 , -0.1484375 , -0.28320312, -0.05761719,
         0.5546875 , -0.15234375,  0.13964844,  0.1875    , -0.359375  ],
       dtype=float32),
 'reports': array([-0.04638672,  0.02416992, -0.36328125, -0.07324219,  0.0
3173828,
         0.26171875,  0.1953125 , -0.11376953,  0.27148438, -0.13574219,
        -0.20019531, -0.0222168 , -0.10546875,  0.0291748 ,  0.03857422,
         0.02770996, -0.3515625 ,  0.09033203, -0.22167969, -0.16699219,
         0.29492188,  0.02209473, -0.19335938, -0.19238281,  0.12597656,
         0.18554688,  0.05419922,  0.19335938, -0.27148438,  0.01660156,
         0.13964844, -0.17480469, -0.10644531, -0.24414062,  0.0625    ,
         0.04614258,  0.03491211,  0.20214844, -0.00427246,  0.20117188,
        -0.01599121, -0.15820312, -0.07910156,  0.13769531,  0.2734375 ,
         0.015625  ,  0.03222656, -0.01495361,  0.05615234,  0.08837891,
         0.26171875, -0.05273438, -0.16699219,  0.234375  , -0.09570312,
        -0.0032959 ,  0.04248047, -0.17089844,  0.06054688, -0.27734375,
        -0.05761719,  0.19824219, -0.11279297, -0.02441406, -0.078125  ,
         0.14355469,  0.05664062,  0.10107422, -0.11816406, -0.08154297,
         0.04272461,  0.14550781, -0.04052734,  0.09619141,  0.00100708,
         0.265625  , -0.00854492,  0.00772095, -0.08789062, -0.00239563,
         0.10009766, -0.04443359,  0.18066406,  0.19140625, -0.05834961,
        -0.17285156,  0.1015625 , -0.03637695, -0.11962891, -0.28515625,
         0.34570312,  0.13085938, -0.11425781, -0.07275391, -0.28125   ,
         0.05883789, -0.07373047, -0.01550293,  0.46289062, -0.10400391,
         0.24804688,  0.12207031,  0.03710938, -0.12597656,  0.22460938,
         0.07617188, -0.11279297, -0.09570312,  0.17285156, -0.22460938,
         0.13769531,  0.03015137,  0.03710938, -0.27734375, -0.2734375 ,
        -0.21484375, -0.00976562,  0.28125   ,  0.3203125 ,  0.04614258,
        -0.20898438,  0.18261719, -0.11865234, -0.02099609,  0.22363281,
         0.08007812, -0.06054688, -0.04736328,  0.10693359,  0.06835938,
        -0.20214844, -0.1875    ,  0.11572266, -0.12597656, -0.07861328,
         0.04248047,  0.25195312,  0.04003906,  0.08837891,  0.1171875 ,
        -0.11425781,  0.18164062, -0.11669922,  0.22167969,  0.10644531,
         0.06835938,  0.10546875, -0.14941406,  0.1953125 , -0.01068115,
         0.17285156,  0.19628906, -0.06298828,  0.07958984,  0.12402344,
        -0.12988281, -0.06835938, -0.13085938, -0.06225586,  0.02246094,
         0.07080078,  0.1328125 , -0.13867188,  0.10107422, -0.15722656,
        -0.02929688,  0.22558594,  0.09912109,  0.0703125 , -0.1796875 ,
         0.23632812, -0.07714844, -0.08203125, -0.18359375,  0.13671875,
        -0.17382812,  0.11914062, -0.19335938, -0.12255859, -0.19042969,
        -0.09228516, -0.04614258, -0.02453613, -0.04956055,  0.11669922,
         0.07519531, -0.23046875,  0.07470703,  0.10986328,  0.09716797,
         0.10986328, -0.10546875, -0.25390625,  0.06640625,  0.08105469,
         0.01464844,  0.07324219, -0.07177734,  0.14355469,  0.02697754,
         0.17089844, -0.03417969, -0.20117188, -0.01660156,  0.04077148,
         0.1875    ,  0.19238281,  0.16503906,  0.11230469,  0.06298828,
         0.2890625 ,  0.1015625 ,  0.02819824,  0.08007812,  0.05981445,
        -0.04077148,  0.24609375,  0.30078125, -0.06640625,  0.01135254,
         0.02062988,  0.13085938, -0.05541992, -0.10253906, -0.10302734,
         0.02185059,  0.02368164,  0.23632812,  0.23046875, -0.11572266,
         0.1015625 ,  0.10058594,  0.15136719,  0.05004883,  0.04516602,
        -0.07470703,  0.09033203,  0.01538086,  0.07958984, -0.078125  ,
         0.06494141,  0.05737305,  0.04736328, -0.13378906, -0.00146484,
         0.14160156,  0.07763672,  0.09521484,  0.16015625, -0.02038574,
         0.10009766,  0.08056641, -0.15332031, -0.04589844, -0.28320312,
```

```
        -0.17089844, -0.01818848,  0.06152344, -0.07128906,  0.0177002 ,
         0.16992188,  0.15332031, -0.02246094,  0.35351562,  0.12890625,
         0.30664062, -0.28710938,  0.13476562,  0.29882812,  0.05371094,
         0.01733398,  0.20898438,  0.23925781, -0.08935547,  0.11474609,
         0.00340271,  0.06445312, -0.19042969,  0.25976562, -0.03442383,
        -0.22265625,  0.12792969, -0.14257812, -0.01721191,  0.24414062,
        -0.05444336, -0.02722168,  0.11523438,  0.04785156,  0.05981445,
         0.10058594, -0.2734375 ,  0.09814453,  0.08837891,  0.08935547,
        -0.06298828,  0.01293945, -0.18261719,  0.23730469, -0.01495361],
       dtype=float32),
 'operations': array([-6.59179688e-02,  2.20947266e-02,  5.17578125e-02, -
1.00097656e-01,
         5.78613281e-02,  7.99560547e-03,  7.17773438e-02, -4.29687500e-02,
         4.68750000e-02, -9.03320312e-02, -5.81054688e-02, -5.20019531e-02,
        -1.17187500e-01,  1.25976562e-01, -1.83593750e-01, -1.14746094e-01,
        -1.79687500e-01, -7.27539062e-02,  9.61914062e-02, -2.91442871e-03,
        -1.43554688e-01, -2.42919922e-02, -8.64257812e-02, -1.25000000e-01,
         5.39550781e-02,  4.22363281e-02, -1.23046875e-01, -1.38671875e-01,
        -1.00097656e-01, -1.26953125e-01,  2.53906250e-01, -2.03125000e-01,
         6.59179688e-02,  1.34765625e-01,  8.11767578e-03,  1.99218750e-01,
         1.11579895e-04, -3.46374512e-03,  1.20117188e-01,  1.58691406e-02,
         1.23046875e-01, -1.67968750e-01,  9.22851562e-02,  8.05664062e-03,
        -7.81250000e-02, -2.53906250e-01, -1.25000000e-01,  3.12500000e-02,
        -9.22851562e-02,  3.41796875e-01, -5.63964844e-02, -2.10937500e-01,
         1.85546875e-01,  6.68945312e-02,  1.39648438e-01, -2.26562500e-01,
         6.64062500e-02,  1.91406250e-01,  1.40380859e-02, -2.31933594e-02,
        -3.14453125e-01,  9.61914062e-02, -1.61132812e-01, -1.58203125e-01,
        -1.77734375e-01,  1.15234375e-01,  1.14746094e-01,  3.49121094e-02,
         9.71679688e-02, -1.19628906e-01,  4.98046875e-02, -2.12890625e-01,
         4.80957031e-02,  1.84570312e-01, -1.24023438e-01, -2.00195312e-01,
        -1.07910156e-01, -2.50000000e-01,  1.95312500e-02, -1.06933594e-01,
        -7.03125000e-02,  4.05273438e-02,  3.73535156e-02,  2.85156250e-01,
        -5.59082031e-02,  8.77380371e-04, -1.34765625e-01,  2.25585938e-01,
        -1.23901367e-02,  1.50390625e-01,  2.59765625e-01, -9.03320312e-02,
         9.52148438e-03,  1.85546875e-01, -1.84570312e-01,  4.32128906e-02,
        -5.20019531e-02, -2.21679688e-01,  2.67578125e-01,  1.16210938e-01,
         2.42187500e-01, -3.83300781e-02,  1.06933594e-01,  1.04003906e-01,
         8.05664062e-02,  5.93261719e-02, -1.01928711e-02,  8.74023438e-02,
         4.24804688e-02,  2.39257812e-02,  9.37500000e-02, -2.08007812e-01,
        -2.77343750e-01, -8.83789062e-02, -8.98437500e-02,  6.44531250e-02,
        -1.35742188e-01,  8.44726562e-02,  3.61328125e-01,  1.08886719e-01,
        -1.63085938e-01, -5.78613281e-02, -1.31225586e-02,  1.79687500e-01,
        -6.93359375e-02, -1.47460938e-01, -2.40234375e-01,  1.43554688e-01,
         5.88378906e-02,  1.38671875e-01, -2.30712891e-02, -6.00585938e-02,
        -7.75146484e-03, -9.94873047e-03,  1.67236328e-02, -5.07812500e-02,
         4.83398438e-02, -6.29882812e-02, -1.74560547e-02, -7.61718750e-02,
        -8.78906250e-03, -2.02148438e-01,  1.50390625e-01,  2.36328125e-01,
         2.02636719e-02, -1.21582031e-01,  1.97265625e-01, -4.02832031e-02,
        -9.47265625e-02,  6.98242188e-02,  1.25000000e-01,  5.51757812e-02,
         4.41894531e-02,  1.86523438e-01, -1.56250000e-01,  3.44238281e-02,
         6.49414062e-02,  2.36328125e-01,  4.63867188e-02, -7.71484375e-02,
         1.91406250e-01,  2.20703125e-01,  8.93554688e-02,  1.24511719e-01,
        -1.47460938e-01, -2.87109375e-01,  1.21093750e-01, -1.99218750e-01,
         3.84765625e-01, -1.08886719e-01,  1.71875000e-01, -6.44531250e-02,
         9.37500000e-02, -1.42578125e-01,  2.26562500e-01,  5.68847656e-02,
         3.06640625e-01,  9.66796875e-02, -1.90429688e-01, -1.42578125e-01,
        -2.73437500e-01,  3.09753418e-03, -8.25195312e-02, -3.83300781e-02,
        -9.13085938e-02, -3.51562500e-02,  2.24609375e-01,  1.51367188e-01,
         1.85546875e-01,  3.57421875e-01, -2.27539062e-01, -1.59179688e-01,
         4.44335938e-02,  2.75390625e-01, -2.55859375e-01,  8.25195312e-02,
         2.05993652e-03, -6.83593750e-02,  1.25000000e-01, -1.29882812e-01,
         3.26538086e-03,  1.83593750e-01,  1.30859375e-01,  1.15722656e-01,
         1.68945312e-01,  1.22070312e-01,  5.88378906e-02, -5.34667969e-02,
         1.18164062e-01,  2.05078125e-01, -3.12500000e-02, -1.13281250e-01,
```

```
        -3.08593750e-01,  3.12500000e-01,  2.26562500e-01,  5.29785156e-02,
         6.04248047e-03,  3.10058594e-02, -1.93359375e-01, -1.69921875e-01,
         2.42187500e-01,  2.21679688e-01, -8.30078125e-02, -2.99072266e-02,
        -6.25000000e-02, -9.76562500e-02, -4.12109375e-01,  1.63085938e-01,
         9.13085938e-02, -1.56250000e-01,  1.90429688e-01, -1.81640625e-01,
        -7.27539062e-02,  4.46777344e-02,  9.52148438e-03,  4.32128906e-02,
        -1.41601562e-01,  1.68457031e-02, -2.25830078e-03, -8.00781250e-02,
        -1.47460938e-01,  5.27343750e-02,  1.44042969e-02,  2.09960938e-01,
        -2.90527344e-02,  3.44238281e-02, -3.51562500e-02, -2.69531250e-01,
         1.24511719e-01, -3.49121094e-02, -6.73828125e-02, -9.57031250e-02,
        -1.81640625e-01, -1.48437500e-01,  1.13769531e-01, -1.77734375e-01,
         9.81445312e-02,  1.87500000e-01, -7.42187500e-02, -7.95898438e-02,
         2.40234375e-01, -1.16699219e-01,  2.12890625e-01,  3.04687500e-01,
        -2.53906250e-01,  2.19726562e-02, -1.54296875e-01, -2.33398438e-01,
        -3.86718750e-01,  1.29882812e-01, -3.24707031e-02, -6.73828125e-02,
        -4.63867188e-02, -8.54492188e-02, -3.01513672e-02, -2.85156250e-01,
        -1.28906250e-01,  2.51953125e-01, -2.31445312e-01, -3.85742188e-02,
        -1.02050781e-01, -3.41796875e-02,  2.04101562e-01,  1.95312500e-01,
         1.87988281e-02,  1.41601562e-01, -1.06933594e-01, -1.30615234e-02,
         6.83593750e-02, -9.37500000e-02, -1.37695312e-01,  8.78906250e-02,
         1.96289062e-01,  2.50000000e-01, -3.73535156e-02,  1.34277344e-02,
         1.32812500e-01,  6.00585938e-02,  9.96093750e-02, -2.15820312e-0
1],
       dtype=float32),
 'medically': array([-0.32421875, -0.17773438, -0.140625  , -0.02258301, -
0.13085938,
         0.07958984, -0.06933594, -0.02050781,  0.07226562, -0.578125  ,
         0.01507568, -0.24316406,  0.04956055,  0.11572266,  0.16992188,
         0.21484375, -0.17675781,  0.3125    , -0.27734375,  0.11523438,
         0.375     , -0.30078125,  0.24804688,  0.11376953, -0.03613281,
        -0.31054688, -0.26367188,  0.12695312, -0.05078125, -0.20703125,
        -0.08544922,  0.02697754, -0.06494141,  0.18554688, -0.02661133,
         0.06005859,  0.16992188,  0.00274658, -0.26953125, -0.26171875,
         0.05297852,  0.09423828,  0.06884766, -0.10595703,  0.09033203,
        -0.1171875 ,  0.03295898, -0.01196289, -0.03051758,  0.28320312,
        -0.17871094, -0.20214844, -0.51953125,  0.05908203,  0.21386719,
         0.03686523,  0.09179688, -0.07373047, -0.15527344, -0.18554688,
        -0.14746094,  0.03808594,  0.17089844, -0.18164062, -0.06982422,
         0.15625   ,  0.09863281,  0.30664062, -0.31835938, -0.06445312,
        -0.05834961,  0.06640625, -0.04418945, -0.10644531, -0.00102997,
        -0.03540039,  0.12792969, -0.16308594, -0.00836182,  0.24707031,
         0.08447266, -0.08300781, -0.12988281,  0.25390625, -0.14648438,
        -0.06787109, -0.05053711,  0.13378906,  0.31835938, -0.375     ,
         0.04980469,  0.08349609,  0.03271484,  0.0144043 ,  0.45898438,
        -0.09375   ,  0.33007812, -0.01147461,  0.17382812, -0.20410156,
         0.17480469,  0.06494141,  0.18554688,  0.08837891, -0.01586914,
        -0.15429688,  0.04541016, -0.32617188,  0.20117188,  0.02429199,
         0.19824219,  0.11572266, -0.05908203, -0.13769531,  0.0859375 ,
         0.19726562, -0.01196289, -0.1796875 ,  0.13183594,  0.31640625,
        -0.27929688,  0.12451172,  0.01544189, -0.06738281, -0.0088501 ,
        -0.05078125, -0.19628906, -0.1015625 ,  0.17285156,  0.23535156,
        -0.07910156, -0.07421875, -0.17871094, -0.30273438, -0.25      ,
        -0.03222656,  0.20214844,  0.13476562, -0.02148438,  0.44921875,
         0.30859375, -0.19824219, -0.06591797,  0.07373047, -0.05883789,
         0.02990723,  0.0246582 ,  0.16210938, -0.30273438,  0.00436401,
         0.02832031,  0.06884766, -0.15820312, -0.17089844,  0.0090332 ,
         0.13867188,  0.10302734, -0.12158203,  0.23730469, -0.3515625 ,
        -0.10205078,  0.14257812,  0.40429688,  0.13476562,  0.02233887,
        -0.26171875, -0.23535156,  0.0612793 , -0.1796875 , -0.28320312,
         0.12060547, -0.0234375 , -0.24023438, -0.19140625, -0.10888672,
        -0.08154297,  0.07177734, -0.18847656, -0.21972656, -0.01080322,
         0.11132812, -0.26367188, -0.234375  , -0.03637695,  0.10449219,
         0.11914062, -0.1640625 , -0.02197266,  0.03955078,  0.01147461,
        -0.07421875, -0.0201416 , -0.01635742, -0.15722656,  0.34960938,
```

```
        -0.13378906, -0.12109375,  0.01147461,  0.171875  , -0.12060547,
        -0.05419922,  0.08935547, -0.05175781,  0.07324219,  0.0324707 ,
         0.04663086,  0.0098877 , -0.26367188,  0.2578125 , -0.4140625 ,
        -0.20605469,  0.08154297, -0.13183594,  0.15820312, -0.2578125 ,
         0.33984375,  0.17285156,  0.19335938, -0.125     , -0.14160156,
         0.05053711, -0.20800781,  0.03222656, -0.10449219,  0.44726562,
        -0.0189209 , -0.0546875 , -0.21679688, -0.18847656,  0.07958984,
         0.20996094, -0.04858398,  0.04492188, -0.3828125 , -0.05053711,
        -0.02319336, -0.22460938,  0.27929688, -0.10986328, -0.34960938,
         0.0045166 ,  0.01446533,  0.18652344, -0.05517578, -0.14550781,
         0.28710938,  0.12207031,  0.0703125 , -0.37890625,  0.07568359,
        -0.09960938, -0.51953125,  0.19042969,  0.01708984,  0.49414062,
         0.05786133, -0.19628906,  0.0859375 ,  0.15527344, -0.10839844,
        -0.06298828,  0.09375   ,  0.08691406,  0.2109375 , -0.05297852,
         0.140625  ,  0.2265625 , -0.21679688, -0.125     ,  0.00494385,
         0.24804688,  0.23535156,  0.22167969,  0.3125    ,  0.02270508,
        -0.23730469, -0.14355469, -0.08544922, -0.23535156,  0.10546875,
         0.23828125,  0.07910156,  0.13964844, -0.07519531, -0.05273438,
        -0.07861328,  0.09130859, -0.45117188,  0.29296875,  0.10351562,
         0.04052734,  0.203125  , -0.06396484,  0.2109375 ,  0.0025177 ,
         0.35546875, -0.32617188,  0.14257812,  0.23046875,  0.11669922],
       dtype=float32),
 'well': array([-8.25195312e-02,  2.24609375e-02, -1.49414062e-01,  9.91210
938e-02,
        -8.20312500e-02, -3.36914062e-02, -9.61303711e-04,  6.93359375e-02,
         3.17382812e-02, -6.68945312e-02,  5.93261719e-02, -1.97265625e-01,
         1.57226562e-01,  1.29882812e-01, -4.71191406e-02,  1.20849609e-02,
         2.25830078e-02,  1.37695312e-01, -7.42187500e-02,  4.33349609e-03,
        -2.09960938e-02,  8.88671875e-02, -8.05664062e-02, -6.54296875e-02,
         2.73437500e-01,  2.30712891e-02, -1.80664062e-01, -8.00781250e-02,
        -8.05664062e-02, -1.00585938e-01, -1.89208984e-02,  4.76074219e-02,
         1.39648438e-01, -8.20312500e-02, -1.10473633e-02,  1.16699219e-01,
        -5.41992188e-02,  3.80859375e-02,  9.52148438e-03, -9.37500000e-02,
         3.10546875e-01,  7.08007812e-03,  1.03027344e-01,  5.88378906e-02,
        -3.22265625e-02, -3.85742188e-02, -1.62109375e-01, -1.14746094e-02,
         1.38671875e-01,  5.40161133e-03,  1.40625000e-01,  1.02539062e-01,
        -7.03125000e-02,  7.12890625e-02,  1.17187500e-02,  1.27929688e-01,
        -1.20605469e-01,  3.75976562e-02,  1.81640625e-01, -8.54492188e-02,
        -1.60156250e-01,  1.68945312e-01, -2.50000000e-01, -1.93359375e-01,
        -8.36181641e-03,  2.58789062e-02, -5.83496094e-02, -2.47802734e-02,
        -2.18750000e-01,  4.88281250e-02,  4.58984375e-02,  3.01513672e-02,
         3.20312500e-01, -7.27539062e-02, -1.62109375e-01, -7.95898438e-02,
         6.73828125e-02,  2.06054688e-01,  1.00585938e-01,  1.94091797e-02,
        -1.09863281e-01,  7.76367188e-02, -5.95703125e-02,  8.44726562e-02,
         5.20019531e-02,  2.96630859e-02, -2.77343750e-01,  1.08398438e-01,
        -1.16210938e-01,  6.68945312e-02,  1.47460938e-01,  1.96289062e-01,
        -1.99218750e-01,  6.64062500e-02,  1.52343750e-01, -6.86645508e-03,
        -4.71191406e-02,  1.12915039e-02, -9.42382812e-02,  2.38037109e-02,
         4.61425781e-02, -7.61718750e-02, -1.16699219e-01,  1.24511719e-02,
         3.75976562e-02, -7.17773438e-02, -4.22363281e-02, -4.57763672e-03,
         4.19921875e-02,  1.06933594e-01,  1.59912109e-02,  7.91015625e-02,
        -7.56835938e-02, -1.92871094e-02,  4.34570312e-02,  7.86132812e-02,
         8.44726562e-02, -7.71484375e-02, -7.47680664e-03,  1.14135742e-02,
         7.20214844e-03, -5.00488281e-02, -5.00488281e-02,  1.40625000e-01,
        -5.59082031e-02, -8.54492188e-03, -9.32617188e-02, -6.62231445e-03,
         1.50390625e-01, -3.36914062e-02, -3.54003906e-02, -9.13085938e-02,
        -1.30859375e-01, -1.69677734e-02, -2.57812500e-01, -1.16577148e-02,
         2.01171875e-01,  2.08007812e-01,  1.02539062e-01,  2.92968750e-02,
        -2.05993652e-03,  1.81640625e-01,  1.04492188e-01, -4.07714844e-02,
         1.36718750e-01,  1.23291016e-02, -6.44531250e-02,  5.39550781e-02,
        -4.41894531e-02,  7.42187500e-02,  9.82666016e-03,  1.77734375e-01,
        -3.63769531e-02,  1.55273438e-01, -5.85937500e-02,  3.96728516e-03,
        -3.07617188e-02,  7.22656250e-02, -1.33056641e-02,  2.77099609e-02,
         1.52343750e-01,  2.57812500e-01,  3.10058594e-02,  1.92382812e-01,
```

```
         2.23632812e-01, -2.73437500e-02, -1.27929688e-01, -9.17968750e-02,
        -8.30078125e-03, -4.24804688e-02, -2.27539062e-01,  1.08886719e-01,
         8.15429688e-02, -8.83789062e-02,  3.12500000e-02,  1.27929688e-01,
        -3.46679688e-02, -1.78710938e-01,  8.10546875e-02,  5.88378906e-02,
        -6.25000000e-02, -1.74804688e-01, -2.04101562e-01, -1.77734375e-01,
        -1.25976562e-01,  1.60156250e-01, -5.81054688e-02,  9.86328125e-02,
         7.86132812e-02,  1.11816406e-01,  3.14941406e-02,  7.95898438e-02,
         1.71875000e-01, -1.48437500e-01, -2.78320312e-02, -1.36718750e-01,
        -1.56250000e-01, -2.05078125e-02,  6.20117188e-02, -1.09375000e-01,
         8.83789062e-02,  1.03759766e-02, -2.69775391e-02, -1.30615234e-02,
         3.07617188e-02, -2.07031250e-01,  3.79562378e-04, -1.13769531e-01,
         2.56347656e-03,  6.54296875e-02, -1.09375000e-01,  2.53295898e-03,
        -1.05468750e-01, -4.76074219e-02, -3.49121094e-02, -6.49414062e-02,
         1.54296875e-01, -7.78198242e-03, -8.15429688e-02, -5.07812500e-02,
         1.53808594e-02, -1.07421875e-01, -9.13085938e-02, -1.35742188e-01,
         1.11694336e-02,  3.71093750e-02, -5.49316406e-02, -1.84570312e-01,
         1.45507812e-01, -7.47070312e-02,  1.14135742e-02, -2.50000000e-01,
         1.65039062e-01, -9.32617188e-02,  4.27246094e-02,  4.15039062e-02,
        -2.24609375e-01, -4.10156250e-02,  4.93164062e-02, -4.73632812e-02,
        -4.71191406e-02,  1.16210938e-01,  1.38671875e-01,  2.62451172e-03,
        -1.07421875e-01, -1.50756836e-02, -6.49414062e-02, -2.07519531e-02,
        -2.27539062e-01, -6.25000000e-02, -3.32031250e-02,  1.61132812e-01,
         1.06445312e-01, -1.38671875e-01,  6.64062500e-02, -1.69677734e-02,
        -1.13769531e-01,  7.99560547e-03, -1.83105469e-02, -2.69531250e-01,
         9.32617188e-02,  6.29882812e-02, -3.95507812e-02,  3.24707031e-02,
        -8.65936279e-04,  2.55859375e-01, -6.12792969e-02, -2.33154297e-02,
         2.97851562e-02, -4.10156250e-02, -6.88476562e-02, -1.56250000e-01,
         4.68750000e-02,  1.26953125e-01, -2.58789062e-02, -1.18652344e-01,
         1.11328125e-01, -3.26171875e-01, -1.27929688e-01,  1.04492188e-01,
         1.32812500e-01,  1.29882812e-01,  1.06201172e-02,  6.59179688e-02,
        -5.53131104e-04,  2.76565552e-04, -9.61914062e-02, -1.09252930e-02,
         8.10546875e-02,  1.62109375e-01, -3.12500000e-02, -1.52343750e-01,
        -2.51953125e-01,  3.95507812e-02,  7.41577148e-03,  1.64062500e-01,
        -1.77001953e-02, -3.12500000e-02,  4.44335938e-02, -1.47460938e-0
1],
       dtype=float32),
 'professionals': array([-1.31835938e-01, -1.00585938e-01, -6.59179688e-02,
1.24023438e-01,
        -1.11328125e-01,  1.54296875e-01, -6.07910156e-02, -1.34765625e-01,
         7.47070312e-02, -2.92968750e-01, -1.06445312e-01, -1.61132812e-01,
        -1.67968750e-01, -9.57031250e-02,  6.68945312e-02,  1.43554688e-01,
         5.83496094e-02,  1.84570312e-01,  1.75781250e-02, -1.18652344e-01,
         2.18750000e-01, -1.85546875e-01, -1.92382812e-01, -6.93359375e-02,
        -8.00781250e-02,  9.08203125e-02, -1.34765625e-01,  8.83789062e-02,
        -2.39257812e-01, -2.75390625e-01,  1.09375000e-01, -1.98974609e-02,
        -1.13769531e-01, -1.63085938e-01,  7.27539062e-02,  5.76171875e-02,
        -3.78906250e-01, -1.36718750e-01,  1.90429688e-01, -1.24023438e-01,
         1.01928711e-02,  7.78198242e-04, -2.41210938e-01,  7.61718750e-02,
        -9.13085938e-02, -9.08203125e-02, -2.37304688e-01, -1.66015625e-01,
         1.25000000e-01,  8.69140625e-02, -1.07421875e-01,  2.89062500e-01,
        -1.42578125e-01,  2.55859375e-01, -8.44726562e-02,  1.42578125e-01,
         2.44140625e-01, -1.25976562e-01, -3.78906250e-01, -7.56835938e-02,
         4.15039062e-02, -5.44433594e-02, -2.26562500e-01, -1.96289062e-01,
         2.33154297e-02,  1.70898438e-02, -2.33398438e-01,  7.91015625e-02,
         2.18750000e-01,  3.12500000e-02, -2.53906250e-01, -6.50024414e-03,
         2.83203125e-01, -1.26953125e-01, -1.93023682e-03, -3.54003906e-02,
        -1.26953125e-01,  6.34765625e-02, -1.41601562e-01,  2.67578125e-01,
        -5.12695312e-02, -7.27539062e-02, -1.83593750e-01,  2.67578125e-01,
        -7.37304688e-02, -5.27343750e-02, -2.51953125e-01, -6.10351562e-03,
         1.89453125e-01,  1.41601562e-01,  2.41210938e-01, -3.00781250e-01,
        -2.25585938e-01, -2.71484375e-01,  8.39843750e-02,  1.24511719e-01,
        -7.32421875e-02,  1.07910156e-01,  8.10546875e-02, -3.04687500e-01,
         1.04003906e-01, -1.67968750e-01, -2.50000000e-01, -8.93554688e-02,
        -1.30859375e-01,  7.66601562e-02, -4.41894531e-02,  2.35595703e-02,
```

```
         3.98437500e-01, -4.78515625e-01,  1.77734375e-01,  9.13085938e-02,
        -1.81640625e-01,  6.83593750e-02,  2.02148438e-01, -2.52685547e-02,
         8.93554688e-02, -2.46093750e-01,  1.34765625e-01, -3.36914062e-02,
        -1.75781250e-01, -5.37109375e-03, -7.56835938e-02, -1.46484375e-01,
         2.25585938e-01, -7.81250000e-02, -1.77734375e-01, -6.31713867e-03,
         2.08984375e-01,  3.84765625e-01, -1.20605469e-01,  4.02832031e-03,
        -1.01562500e-01, -1.27929688e-01, -1.27929688e-01, -6.34765625e-02,
         5.68847656e-02,  2.34375000e-01,  5.78613281e-02, -1.46484375e-01,
        -1.35742188e-01, -2.98828125e-01,  2.51953125e-01, -3.75976562e-02,
        -1.40625000e-01,  5.34667969e-02,  1.29882812e-01, -4.73632812e-02,
        -4.83398438e-02, -1.57226562e-01, -1.68457031e-02, -3.01361084e-04,
        -2.69531250e-01, -9.57031250e-02,  1.89208984e-02, -3.17382812e-02,
        -1.61132812e-01, -1.16699219e-01, -1.06445312e-01, -2.25585938e-01,
         5.39550781e-02,  9.03320312e-02, -2.71484375e-01, -7.71484375e-02,
         7.71484375e-02, -6.03027344e-02, -9.08203125e-02, -1.45507812e-01,
         2.77343750e-01, -1.87500000e-01, -1.00708008e-02,  1.40625000e-01,
         8.88671875e-02,  4.58984375e-02,  6.59179688e-02, -1.04492188e-01,
        -1.95312500e-02, -2.68554688e-03, -2.65625000e-01, -3.08593750e-01,
        -1.04980469e-01, -5.29785156e-02,  5.24902344e-03, -2.11914062e-01,
        -3.43750000e-01,  1.65039062e-01,  1.51367188e-02,  7.32421875e-02,
         2.33398438e-01,  1.81640625e-01, -8.20312500e-02, -1.90429688e-01,
         3.06640625e-01, -3.73535156e-02, -1.58203125e-01, -9.52148438e-02,
        -5.64575195e-03,  2.55126953e-02, -4.93164062e-02, -3.24218750e-01,
        -6.03027344e-02,  7.66601562e-02, -2.79296875e-01,  2.36816406e-02,
        -3.67187500e-01, -2.96875000e-01, -2.00195312e-02, -2.65625000e-01,
         1.25976562e-01, -7.51953125e-02,  2.35595703e-02, -1.73828125e-01,
         6.64062500e-02, -7.37304688e-02,  3.39355469e-02,  1.91406250e-01,
        -1.66992188e-01,  2.09960938e-01, -5.29785156e-02, -7.76367188e-02,
        -2.47802734e-02, -7.17773438e-02, -1.10351562e-01, -3.93066406e-02,
        -8.72802734e-03, -2.00195312e-01,  4.41894531e-02, -3.61328125e-01,
        -4.41894531e-02, -2.17773438e-01, -1.08886719e-01, -7.27539062e-02,
        -3.11279297e-02, -2.45117188e-01, -1.26953125e-01, -6.34765625e-02,
        -5.11169434e-04,  1.66992188e-01,  7.37304688e-02, -6.88476562e-02,
         1.38549805e-02, -1.06933594e-01, -6.73828125e-02, -7.42187500e-02,
         4.57763672e-03, -5.61523438e-02, -1.24023438e-01,  2.20703125e-01,
        -1.29882812e-01, -9.27734375e-02, -2.36816406e-02,  1.84326172e-02,
        -2.81250000e-01,  9.03320312e-03,  3.95507812e-02, -2.57568359e-02,
        -4.49218750e-02, -1.32446289e-02, -1.04980469e-01,  1.27929688e-01,
        -1.96289062e-01, -1.67968750e-01,  1.57226562e-01,  6.98242188e-02,
         4.76074219e-02,  8.93554688e-02, -6.07910156e-02,  1.25976562e-01,
        -3.95507812e-02, -1.51367188e-02, -1.00097656e-01, -1.28173828e-02,
         9.96093750e-02,  7.56835938e-02,  8.69140625e-02,  1.74804688e-01,
         5.46875000e-02,  1.66992188e-01,  3.17382812e-03,  6.29882812e-02,
        -1.97265625e-01, -2.61718750e-01, -3.63769531e-02,  5.23437500e-01,
        -2.48046875e-01,  1.23046875e-01, -2.31445312e-01, -1.91406250e-01,
         2.05078125e-01,  1.92382812e-01, -1.04492188e-01,  5.44433594e-02,
        -1.41601562e-01,  1.49414062e-01,  6.43920898e-03,  3.75976562e-02,
        -1.01928711e-02, -2.92968750e-01,  8.64257812e-02,  9.03320312e-0
2],
       dtype=float32),
 'evidence': array([-2.71484375e-01, -9.96093750e-02,  2.19726562e-02, -9.9
6093750e-02,
         3.47900391e-03,  2.28515625e-01,  1.38671875e-01, -6.83593750e-02,
         1.69921875e-01,  8.10546875e-02,  3.44238281e-02, -9.17968750e-02,
        -1.52343750e-01,  1.76757812e-01, -9.27734375e-02, -6.31713867e-03,
         2.64892578e-02,  7.71484375e-02, -1.62109375e-01, -3.55468750e-01,
         6.46972656e-03, -1.81640625e-01, -7.87353516e-03,  4.76074219e-02,
         1.09375000e-01, -1.35742188e-01, -2.12890625e-01,  1.48437500e-01,
         1.14746094e-02,  7.03125000e-02,  1.13281250e-01, -1.48437500e-01,
         1.09863281e-01, -1.07910156e-01,  6.04248047e-03,  8.44726562e-02,
         1.65039062e-01, -1.57226562e-01,  8.59375000e-02, -3.88183594e-02,
        -2.02148438e-01, -1.89208984e-02, -6.64062500e-02,  8.88671875e-02,
         6.73828125e-02, -8.39843750e-02, -1.01562500e-01,  6.83593750e-03,
        -1.75781250e-01,  1.94335938e-01,  4.35546875e-01, -2.10937500e-01,
```

```
       -3.18359375e-01, -2.08984375e-01, -1.28906250e-01,  5.39550781e-02,
       -8.59375000e-02, -2.31445312e-01, -5.17578125e-02, -2.69531250e-01,
       -1.53320312e-01,  2.57812500e-01,  7.37304688e-02, -1.76757812e-01,
       -1.71875000e-01, -6.83593750e-02,  1.65039062e-01,  1.75781250e-01,
       -2.65625000e-01,  6.05468750e-02,  1.63085938e-01, -2.02148438e-01,
        1.71875000e-01,  6.00585938e-02, -1.05468750e-01,  1.37695312e-01,
        8.49609375e-02,  1.13769531e-01,  3.55468750e-01, -5.10253906e-02,
        5.63964844e-02,  6.10351562e-02,  2.24609375e-01, -2.87109375e-01,
       -3.36914062e-02, -2.96875000e-01, -3.05175781e-02,  4.98046875e-01,
       -4.78515625e-02,  6.39648438e-02,  9.32617188e-02,  7.61718750e-02,
        1.02996826e-03,  1.86523438e-01,  2.37304688e-01, -4.54101562e-02,
        2.35351562e-01,  1.64062500e-01,  2.79296875e-01, -1.31835938e-01,
       -1.36718750e-01,  6.73828125e-02,  2.63671875e-01,  1.94335938e-01,
        1.25000000e-01, -2.71484375e-01,  1.77734375e-01, -1.57226562e-01,
        8.39843750e-02, -1.58203125e-01, -2.11181641e-02, -4.90722656e-02,
       -8.00781250e-02,  1.11816406e-01, -1.35742188e-01, -1.99218750e-01,
       -9.86328125e-02, -9.61914062e-02, -4.34570312e-02,  2.98828125e-01,
       -9.47265625e-02,  9.66796875e-02, -5.37109375e-02, -2.43164062e-01,
       -8.97216797e-03,  3.32031250e-02, -5.95703125e-02, -1.29882812e-01,
       -7.86132812e-02,  1.77734375e-01, -8.15429688e-02, -1.93359375e-01,
        1.74804688e-01,  3.02734375e-02,  1.97265625e-01, -7.42187500e-02,
        2.03125000e-01,  7.27539062e-02, -2.14843750e-02,  1.34765625e-01,
        8.34960938e-02,  4.37011719e-02,  3.06640625e-01,  1.67968750e-01,
       -2.12890625e-01,  2.24609375e-02, -1.36108398e-02,  1.46484375e-01,
        2.57568359e-02, -1.12792969e-01,  1.07421875e-01, -1.56250000e-02,
       -1.12304688e-01,  5.78613281e-02,  2.21679688e-01, -1.33056641e-02,
       -1.86523438e-01, -1.82617188e-01, -1.25000000e-01,  1.61132812e-01,
       -8.30078125e-02, -1.56250000e-01, -6.00585938e-02, -8.15429688e-02,
       -1.04980469e-01,  6.98242188e-02,  8.15429688e-02,  3.56445312e-02,
       -3.49121094e-02, -1.72851562e-01,  2.50000000e-01,  3.59375000e-01,
       -1.98242188e-01, -1.55273438e-01,  2.06054688e-01, -2.98828125e-01,
       -5.61523438e-02, -6.22558594e-02, -1.81884766e-02, -1.24511719e-01,
        1.76757812e-01, -2.94189453e-02, -1.98242188e-01, -3.39843750e-01,
        1.39648438e-01,  5.85937500e-02, -1.04980469e-01, -3.36914062e-02,
        8.83789062e-02,  2.18505859e-02, -8.49609375e-02,  9.47265625e-02,
        8.48388672e-03, -2.05078125e-02,  4.34570312e-02, -5.00488281e-02,
        2.83203125e-01, -3.32031250e-01,  1.06933594e-01, -1.16210938e-01,
       -3.29589844e-02,  6.49414062e-02, -3.08593750e-01, -1.51367188e-01,
        3.20312500e-01,  5.73730469e-02,  3.63769531e-02,  8.54492188e-02,
        1.34765625e-01, -1.60156250e-01,  1.62109375e-01,  1.83593750e-01,
       -3.24218750e-01, -1.21582031e-01, -1.87500000e-01,  2.25585938e-01,
        1.79687500e-01,  2.16796875e-01,  2.11914062e-01,  1.13769531e-01,
       -4.78515625e-02,  7.12890625e-02, -3.97949219e-02,  6.73828125e-02,
       -1.81640625e-01,  1.91650391e-02, -3.02734375e-02,  9.27734375e-02,
        1.39648438e-01,  7.37304688e-02, -2.15820312e-01, -4.95605469e-02,
       -3.54003906e-02, -1.67968750e-01, -8.05664062e-02,  2.73437500e-02,
       -4.85839844e-02,  1.71875000e-01,  3.00781250e-01, -2.61718750e-01,
       -1.12304688e-02, -8.05664062e-02,  1.91406250e-01,  7.82012939e-04,
       -8.15429688e-02,  2.39257812e-01,  3.14941406e-02,  1.44958496e-04,
        3.80859375e-01,  1.17675781e-01,  1.34765625e-01, -1.81640625e-01,
       -3.20312500e-01, -1.28906250e-01, -8.30078125e-02, -3.22265625e-02,
        2.13623047e-02, -2.27539062e-01, -2.85644531e-02,  2.02636719e-02,
        1.22680664e-02,  1.85546875e-02, -3.45703125e-01, -1.30004883e-02,
        5.32226562e-02,  3.67187500e-01, -1.59179688e-01, -1.17187500e-01,
        7.35473633e-03, -1.74804688e-01,  1.76757812e-01,  2.03125000e-01,
        3.69140625e-01,  1.93359375e-01,  1.05468750e-01,  1.42578125e-01,
       -2.07031250e-01, -1.46484375e-01,  5.27343750e-01, -9.91210938e-02,
       -5.27343750e-02, -6.93359375e-02,  2.22656250e-01, -1.63085938e-01,
       -3.51562500e-01, -1.40625000e-01,  1.38671875e-01,  1.42578125e-01,
        3.22265625e-01,  1.81884766e-02, -1.73828125e-01,  5.82885742e-03,
        1.45507812e-01,  9.81445312e-02, -9.03320312e-02, -2.80761719e-02,
        1.54296875e-01, -5.07812500e-01,  1.81640625e-01, -8.78906250e-0
2],
      dtype=float32),
```

```
 'building': array([-9.76562500e-03,  2.85644531e-02,  5.41992188e-02,  1.7
9443359e-02,
         5.54199219e-02, -1.55273438e-01,  1.99218750e-01, -9.08203125e-02,
         1.72851562e-01, -1.51977539e-02, -6.98242188e-02, -1.38671875e-01,
        -4.88281250e-02, -1.73828125e-01, -1.05468750e-01, -2.18750000e-01,
        -1.37695312e-01, -1.90429688e-01, -6.04248047e-03,  1.40625000e-01,
         1.86523438e-01, -2.06054688e-01, -6.34765625e-02,  6.98852539e-03,
         1.66992188e-01, -5.34667969e-02,  1.77001953e-02,  6.25000000e-02,
        -1.07910156e-01, -3.08593750e-01, -2.94189453e-02, -2.30468750e-01,
        -1.84570312e-01, -8.20312500e-02,  1.26953125e-01, -1.11328125e-01,
         4.68750000e-02,  6.93359375e-02,  1.33056641e-02, -1.01928711e-02,
         1.08642578e-02,  2.50244141e-02,  8.74023438e-02,  1.27929688e-01,
        -8.25195312e-02, -7.56835938e-02, -2.27539062e-01,  9.86328125e-02,
        -1.16210938e-01,  1.69921875e-01,  2.08984375e-01,  1.55029297e-02,
        -1.10473633e-02, -1.95312500e-01,  1.06933594e-01,  1.40625000e-01,
        -8.34960938e-02, -2.51953125e-01,  5.27343750e-02, -2.09960938e-01,
         1.57470703e-02, -1.64794922e-02, -4.39453125e-02, -8.78906250e-02,
        -1.14746094e-01,  1.36718750e-01,  3.85742188e-02,  3.95507812e-02,
        -2.11914062e-01, -1.23046875e-01, -4.29687500e-02,  1.98974609e-02,
         7.81250000e-02, -2.73437500e-01, -1.69921875e-01,  5.66406250e-02,
         1.75781250e-01, -1.64794922e-02, -4.83398438e-02,  4.06265259e-04,
         3.41796875e-02, -4.80957031e-02, -1.16210938e-01,  1.56250000e-02,
         6.65283203e-03, -1.09863281e-01, -1.02539062e-01,  1.17675781e-01,
        -5.76171875e-02, -1.16210938e-01,  3.89099121e-03, -9.42382812e-02,
         4.85229492e-03, -6.73828125e-02,  7.62939453e-03,  2.97851562e-02,
        -1.49414062e-01, -1.24511719e-02, -1.58203125e-01, -2.14843750e-02,
        -1.25000000e-01, -5.93261719e-02,  1.58203125e-01,  1.69921875e-01,
         7.51953125e-02,  3.27148438e-02,  3.34472656e-02, -6.25000000e-02,
        -1.65039062e-01, -6.68945312e-02, -1.51367188e-01,  7.37304688e-02,
        -2.08007812e-01, -1.07288361e-04,  1.70898438e-01, -6.25610352e-03,
         1.63085938e-01,  8.00781250e-02,  1.36718750e-01, -6.12792969e-02,
        -1.47460938e-01, -3.65234375e-01, -2.07031250e-01,  6.64062500e-02,
        -2.23632812e-01, -1.28906250e-01, -7.76367188e-02, -4.22363281e-02,
        -5.12695312e-02,  1.79687500e-01,  2.00195312e-01, -1.29882812e-01,
        -1.90429688e-02, -8.74023438e-02,  8.39843750e-02,  1.28784180e-02,
         2.28271484e-02, -1.92382812e-01, -4.29687500e-02,  8.44726562e-02,
        -2.44140625e-01,  1.91650391e-02, -1.35742188e-01, -5.41992188e-02,
         9.96093750e-02, -2.55859375e-01, -2.46582031e-02, -1.61132812e-01,
        -2.20947266e-02, -3.44238281e-02,  1.22558594e-01, -8.20312500e-02,
         1.97265625e-01,  1.45507812e-01, -2.92968750e-03,  2.50000000e-01,
        -4.02832031e-02, -1.90429688e-01,  2.45361328e-02,  8.39843750e-02,
        -1.79443359e-02,  2.49023438e-02, -1.25000000e-01, -1.34765625e-01,
        -1.01562500e-01, -2.85644531e-02,  8.20312500e-02,  1.91650391e-02,
        -7.56835938e-02,  3.14941406e-02, -1.99218750e-01,  1.42669678e-03,
        -4.51660156e-02, -1.01074219e-01,  7.04956055e-03, -1.43554688e-01,
         1.43554688e-01,  7.03125000e-02, -4.29687500e-02,  1.06445312e-01,
        -5.41992188e-02, -9.37500000e-02, -5.05371094e-02, -1.65039062e-01,
         2.75390625e-01, -3.00781250e-01,  1.35742188e-01,  7.61718750e-02,
         1.72851562e-01,  1.49536133e-02, -3.63769531e-02,  2.19726562e-02,
         8.98437500e-02,  2.15820312e-01, -1.55273438e-01, -7.81250000e-02,
         1.15203857e-03,  1.39648438e-01,  1.20605469e-01, -5.17578125e-02,
        -5.12695312e-02,  2.60009766e-02, -4.66308594e-02, -1.96289062e-01,
        -8.34960938e-02, -4.95605469e-02, -8.54492188e-02, -9.57031250e-02,
         1.85546875e-01, -1.31988525e-03, -6.44531250e-02, -1.79687500e-01,
        -1.81640625e-01,  5.83496094e-02, -3.56445312e-02,  2.39257812e-01,
        -9.66796875e-02,  5.56640625e-02, -1.11328125e-01,  1.29882812e-01,
         1.84570312e-01, -1.74560547e-02, -5.00488281e-03,  5.93261719e-02,
         5.71289062e-02,  1.75781250e-02, -1.66015625e-01,  2.34375000e-01,
        -1.84570312e-01, -2.08984375e-01, -3.56445312e-02, -4.83398438e-02,
        -8.15429688e-02,  1.01074219e-01, -1.01562500e-01, -1.43554688e-01,
        -4.15039062e-02, -9.13085938e-02,  1.23535156e-01,  1.15966797e-02,
         2.87109375e-01,  1.06933594e-01, -8.30078125e-02, -2.25585938e-01,
         1.41601562e-01, -3.12500000e-01, -2.52685547e-02,  1.01318359e-02,
        -2.43164062e-01,  2.81982422e-02, -7.76367188e-02,  2.23632812e-01,
```

```
         4.15039062e-02,  6.73828125e-02,  3.36914062e-02,  3.10058594e-02,
         4.63867188e-03,  1.34765625e-01, -1.56250000e-01,  4.90722656e-02,
        -1.47460938e-01, -2.15820312e-01,  8.48388672e-03,  5.14984131e-04,
         2.17773438e-01,  1.78710938e-01,  1.02539062e-01, -9.91210938e-02,
        -1.17675781e-01,  1.09252930e-02,  9.15527344e-03, -2.16064453e-02,
         1.25000000e-01, -1.66015625e-01, -1.03515625e-01, -1.13769531e-01,
         8.15429688e-02, -1.14746094e-01, -6.73828125e-02, -2.63671875e-01,
        -1.95312500e-01, -1.56250000e-01,  1.72119141e-02,  1.03027344e-01,
         1.75781250e-01, -7.17773438e-02, -5.59082031e-02, -6.39648438e-02,
         1.86523438e-01,  5.00488281e-02, -4.02343750e-01,  1.61132812e-01,
        -1.66992188e-01,  6.83593750e-02, -1.19628906e-01, -4.85839844e-02,
         1.57226562e-01, -1.30004883e-02,  1.16210938e-01,  2.81982422e-0
2],
       dtype=float32),
 'competency': array([-6.22558594e-02, -5.83496094e-02,  3.54003906e-02,
1.98242188e-01,
        -1.57470703e-02,  1.34765625e-01,  2.28515625e-01, -1.10839844e-01,
         1.39648438e-01,  6.00585938e-02,  2.29492188e-01,  4.83398438e-02,
         2.30468750e-01,  1.95312500e-01, -4.15039062e-03,  3.37890625e-01,
         2.33398438e-01,  2.96875000e-01, -2.37304688e-01, -1.26953125e-01,
        -1.69921875e-01, -4.31640625e-01, -1.01562500e-01,  4.29687500e-01,
        -5.00488281e-02,  3.78417969e-02, -2.39257812e-01, -1.20117188e-01,
         7.91015625e-02,  2.67578125e-01,  1.85546875e-02,  2.83203125e-02,
        -2.19726562e-01, -1.68945312e-01,  4.41894531e-02, -1.25976562e-01,
         6.68945312e-02,  2.05078125e-01,  1.28173828e-02, -5.07812500e-01,
        -1.22070312e-01,  1.25000000e-01, -1.39648438e-01, -1.95312500e-01,
        -3.06640625e-01, -9.91210938e-02, -1.95312500e-01,  9.08203125e-02,
        -2.55859375e-01,  3.84765625e-01, -2.16796875e-01,  6.59179688e-02,
        -3.71093750e-01,  2.19726562e-01, -2.42919922e-02,  4.27734375e-01,
         1.11083984e-02, -1.69921875e-01,  4.58984375e-02, -1.11328125e-01,
         1.43554688e-01, -3.97949219e-02,  1.20605469e-01, -2.10937500e-01,
        -1.10351562e-01,  2.16796875e-01, -3.17382812e-02, -1.62109375e-01,
         1.45263672e-02, -2.71484375e-01, -3.55468750e-01, -1.84570312e-01,
        -6.15234375e-02,  9.71679688e-02, -2.23632812e-01, -1.25000000e-01,
         3.28125000e-01,  8.05664062e-02,  2.96875000e-01,  2.32421875e-01,
         3.17382812e-02,  6.44531250e-02, -2.65625000e-01, -3.19824219e-02,
         2.61718750e-01, -2.43164062e-01,  1.14257812e-01,  1.46484375e-01,
         1.79687500e-01, -6.40869141e-03,  1.81640625e-01, -2.13867188e-01,
        -1.82617188e-01, -7.81250000e-02,  6.05468750e-01, -1.33789062e-01,
         6.73828125e-02, -1.40625000e-01, -1.21582031e-01, -6.10351562e-02,
         2.25585938e-01,  3.54003906e-02, -1.98242188e-01, -5.07812500e-02,
         2.34375000e-01, -3.84765625e-01, -3.02734375e-01, -7.93457031e-03,
         2.61718750e-01, -1.44531250e-01, -6.73828125e-02,  4.02832031e-02,
        -3.88671875e-01,  5.20019531e-02, -6.64062500e-02,  6.49414062e-02,
        -1.84570312e-01, -1.50390625e-01,  8.88671875e-02, -5.61523438e-02,
        -1.63085938e-01,  9.27734375e-02,  3.01513672e-02,  4.29687500e-02,
         2.50000000e-01, -5.12695312e-02, -2.61718750e-01,  1.34765625e-01,
         1.62109375e-01, -5.52368164e-03,  4.29687500e-02,  7.51953125e-02,
        -2.10937500e-01, -2.85156250e-01, -1.08642578e-02, -2.22167969e-02,
         3.12500000e-01, -5.49316406e-02, -8.74023438e-02,  1.28906250e-01,
        -1.25976562e-01,  7.08007812e-02,  1.22070312e-01,  1.73828125e-01,
        -3.06640625e-01,  2.28515625e-01,  2.55859375e-01,  1.63085938e-01,
         2.28515625e-01,  1.94335938e-01,  2.12890625e-01,  2.33398438e-01,
        -6.73828125e-02,  1.88476562e-01, -2.63671875e-01, -2.24609375e-01,
        -1.64062500e-01, -1.84570312e-01, -2.09960938e-01, -1.47460938e-01,
         9.81445312e-02, -1.34765625e-01,  2.81250000e-01, -1.70898438e-01,
        -1.80664062e-01,  1.64794922e-02,  3.53515625e-01, -1.62109375e-01,
         1.89208984e-02,  1.69921875e-01,  1.49414062e-01, -2.39257812e-01,
        -4.10156250e-01, -1.42578125e-01,  1.10351562e-01, -3.58886719e-02,
         2.79296875e-01, -1.33789062e-01, -2.42187500e-01, -1.20605469e-01,
        -3.92578125e-01,  7.86132812e-02, -3.69140625e-01, -2.53906250e-01,
        -4.44335938e-02,  9.42382812e-02, -1.01562500e-01, -3.67187500e-01,
         8.34960938e-02, -2.51953125e-01, -2.85156250e-01,  5.55419922e-03,
        -5.88378906e-02, -7.95898438e-02,  7.81250000e-02, -1.90429688e-01,
```

```
         8.39843750e-02,  5.76782227e-03, -6.17675781e-02,  3.56445312e-02,
        -9.61914062e-02,  1.59179688e-01,  1.37695312e-01, -2.67578125e-01,
        -9.81445312e-02, -2.79296875e-01,  1.12792969e-01, -1.57226562e-01,
         3.39843750e-01, -9.96093750e-02,  4.15039062e-02, -9.17968750e-02,
        -5.22460938e-02,  1.26953125e-01,  3.03955078e-02, -2.80761719e-03,
         2.15820312e-01,  8.39843750e-02,  3.03955078e-02, -4.19921875e-02,
        -1.07421875e-01,  2.16796875e-01,  1.85546875e-01, -3.39355469e-02,
         2.72216797e-02, -2.98828125e-01, -4.21142578e-03,  1.55273438e-01,
        -3.47656250e-01,  1.34468079e-04, -4.31640625e-01, -2.87109375e-01,
        -1.22558594e-01, -2.69775391e-02, -1.48437500e-01,  5.88378906e-02,
         1.51367188e-01,  4.16015625e-01,  1.61132812e-01,  2.29492188e-01,
        -1.92382812e-01, -4.80957031e-02, -2.92968750e-01, -1.66992188e-01,
        -9.42382812e-02, -3.93066406e-02, -1.08398438e-01, -4.10156250e-01,
         1.36718750e-01, -1.32812500e-01, -1.93359375e-01,  1.36718750e-01,
        -1.82617188e-01,  3.82812500e-01, -6.68945312e-02, -1.27929688e-01,
        -6.29882812e-02,  1.75781250e-01,  4.88281250e-02,  1.46484375e-01,
         1.00097656e-01, -2.31445312e-01, -1.66015625e-01,  1.87500000e-01,
         1.10351562e-01,  2.09960938e-01,  3.94531250e-01, -7.42187500e-02,
         8.64257812e-02, -2.59765625e-01, -2.17285156e-02, -7.86132812e-02,
        -1.13281250e-01,  1.66992188e-01, -3.67187500e-01,  4.54101562e-02,
        -2.36816406e-02, -2.19726562e-01, -3.65234375e-01, -1.30859375e-01,
         5.22460938e-02, -1.42578125e-01,  1.79687500e-01,  3.45703125e-01,
        -2.49023438e-01, -3.94531250e-01,  1.31835938e-01, -6.25000000e-02,
         3.20312500e-01,  3.10546875e-01, -1.22680664e-02,  1.27929688e-01,
         3.37219238e-03,  8.88671875e-02,  4.00390625e-02,  3.51562500e-01,
         8.64257812e-02, -1.39770508e-02, -1.20117188e-01,  3.24707031e-0
2],
       dtype=float32),
 'pursuing': array([-0.1875    ,  0.3203125 , -0.0112915 ,  0.01324463,  0.
05834961,
         0.03881836,  0.21777344, -0.1328125 , -0.11230469,  0.08691406,
        -0.17675781, -0.09423828, -0.27929688,  0.01953125, -0.05786133,
        -0.24121094, -0.17089844, -0.14453125,  0.1953125 , -0.05761719,
        -0.11962891,  0.01708984, -0.11132812, -0.05810547,  0.01300049,
        -0.03320312, -0.12792969, -0.07324219, -0.14746094,  0.1171875 ,
         0.36132812, -0.20410156, -0.0612793 ,  0.04907227, -0.05175781,
         0.02783203,  0.36914062, -0.16308594,  0.25195312, -0.16503906,
         0.20410156,  0.21582031, -0.30078125,  0.02648926, -0.35742188,
         0.01324463, -0.00970459,  0.09423828,  0.12792969,  0.07421875,
         0.01153564,  0.015625  ,  0.18847656, -0.15429688,  0.16308594,
         0.25390625, -0.12255859, -0.328125  ,  0.0402832 , -0.0390625 ,
        -0.0625    ,  0.30859375,  0.15332031, -0.11083984, -0.19726562,
         0.10742188,  0.0625    , -0.03515625, -0.08398438,  0.03393555,
        -0.21582031,  0.05908203,  0.16015625,  0.15625   , -0.13769531,
        -0.12792969,  0.02185059, -0.00772095,  0.17675781,  0.17480469,
         0.02380371,  0.21386719, -0.01806641,  0.05004883,  0.03112793,
        -0.15722656, -0.04638672,  0.10351562,  0.05371094, -0.26367188,
        -0.03808594, -0.2734375 , -0.11425781,  0.08203125,  0.20703125,
         0.08740234,  0.21679688,  0.03039551, -0.16308594, -0.00540161,
        -0.08398438, -0.11572266,  0.20996094, -0.08642578,  0.03515625,
         0.02148438,  0.00976562, -0.1484375 ,  0.20703125, -0.1640625 ,
        -0.12158203,  0.02978516, -0.05419922,  0.17480469,  0.0703125 ,
         0.27734375,  0.05834961,  0.04394531,  0.30273438,  0.07373047,
         0.17089844,  0.05200195, -0.02685547,  0.20605469, -0.29296875,
        -0.21679688,  0.03637695, -0.15429688, -0.19824219,  0.04296875,
         0.16210938, -0.265625  , -0.01794434, -0.26757812, -0.00460815,
        -0.05517578, -0.09082031, -0.00616455,  0.01300049,  0.13867188,
        -0.03466797, -0.21386719, -0.26367188,  0.17871094, -0.02294922,
         0.18066406, -0.3671875 , -0.265625  , -0.12792969,  0.0279541 ,
        -0.08886719,  0.08105469, -0.12597656, -0.06787109, -0.13378906,
         0.24316406, -0.05053711, -0.24121094,  0.21582031,  0.18847656,
        -0.07324219,  0.21777344, -0.06933594,  0.09472656,  0.00421143,
         0.05566406,  0.03613281,  0.02441406,  0.03979492, -0.18847656,
        -0.09814453, -0.11865234, -0.2421875 , -0.05224609,  0.03637695,
```

```
        -0.23632812,  0.14453125, -0.140625  , -0.35351562, -0.13476562,
        -0.0324707 , -0.22265625, -0.12011719, -0.06396484, -0.203125  ,
        -0.21972656, -0.09765625,  0.18652344,  0.17480469, -0.0246582 ,
         0.10302734,  0.08105469,  0.02514648,  0.14648438,  0.01904297,
         0.24609375, -0.01165771,  0.04638672,  0.25390625,  0.12353516,
         0.00747681,  0.05761719,  0.20703125, -0.11083984, -0.30078125,
        -0.0456543 , -0.2890625 ,  0.07958984, -0.02807617,  0.06445312,
         0.06689453,  0.20996094,  0.09423828, -0.02587891, -0.07275391,
         0.25585938, -0.15234375, -0.12597656,  0.12695312, -0.03759766,
         0.00756836, -0.24804688,  0.00512695,  0.50390625,  0.30078125,
        -0.05834961,  0.22460938, -0.20800781,  0.12353516,  0.06054688,
         0.10400391,  0.03540039, -0.04443359,  0.06542969,  0.19433594,
        -0.11376953,  0.06640625, -0.19433594, -0.05810547,  0.00958252,
        -0.2734375 ,  0.140625  , -0.30273438,  0.0559082 ,  0.18847656,
         0.0546875 , -0.08544922,  0.01483154,  0.23730469, -0.12353516,
        -0.0039978 ,  0.27929688,  0.03857422,  0.15527344, -0.12353516,
         0.22265625,  0.23339844, -0.13769531, -0.23632812, -0.0098877 ,
        -0.04907227,  0.06005859,  0.18945312, -0.00830078, -0.00628662,
         0.20996094, -0.06738281, -0.18457031, -0.21484375,  0.08837891,
         0.12207031,  0.02709961,  0.19238281,  0.11376953,  0.0112915 ,
         0.04272461, -0.09423828,  0.07568359, -0.19335938,  0.08349609,
        -0.1328125 , -0.09423828,  0.00793457,  0.03198242, -0.09814453,
         0.19238281,  0.20703125,  0.23730469,  0.2734375 , -0.06347656,
        -0.0859375 ,  0.16699219, -0.09375   ,  0.17675781, -0.03015137,
        -0.15527344,  0.43164062,  0.16210938,  0.15917969,  0.11425781],
       dtype=float32),
 'personnel': array([ 0.05175781,  0.08251953, -0.02148438,  0.01782227, -
0.12353516,
        -0.17480469, -0.22363281, -0.09033203,  0.05126953, -0.23828125,
         0.20214844, -0.22949219, -0.08349609,  0.15527344, -0.14160156,
         0.05932617, -0.1484375 , -0.11523438, -0.07617188, -0.01696777,
        -0.04858398, -0.19824219,  0.02722168, -0.1015625 , -0.00692749,
        -0.09326172, -0.39257812,  0.05249023, -0.29296875, -0.15722656,
         0.19824219, -0.125     , -0.12255859, -0.02954102,  0.07666016,
        -0.17773438,  0.09521484,  0.10839844,  0.00134277, -0.109375  ,
         0.05004883, -0.29296875, -0.05541992, -0.18457031, -0.04736328,
        -0.16894531, -0.203125  , -0.05297852, -0.06445312,  0.10791016,
         0.00386047, -0.11425781,  0.04785156,  0.11328125, -0.09326172,
        -0.10595703,  0.11816406,  0.14941406, -0.08935547,  0.00704956,
        -0.21386719,  0.23925781, -0.00576782, -0.06689453,  0.1484375 ,
         0.02734375,  0.04394531,  0.10546875,  0.02807617, -0.07714844,
        -0.13183594, -0.11621094, -0.03063965,  0.01611328, -0.05371094,
        -0.20605469,  0.171875  , -0.18945312, -0.10351562,  0.00665283,
         0.2578125 ,  0.1875    ,  0.05053711,  0.25195312, -0.00344849,
        -0.39648438, -0.10009766,  0.09130859, -0.22363281,  0.10839844,
         0.10693359,  0.0324707 ,  0.06494141, -0.00628662,  0.21386719,
        -0.05419922, -0.0300293 ,  0.15820312,  0.10253906, -0.06054688,
         0.21875   ,  0.02966309,  0.09716797,  0.12695312,  0.00799561,
        -0.1171875 ,  0.06201172, -0.11279297,  0.02880859, -0.16503906,
        -0.09960938, -0.00726318, -0.23242188, -0.20996094, -0.03833008,
         0.18359375,  0.2578125 , -0.02966309,  0.2578125 ,  0.0534668 ,
        -0.24609375,  0.10791016, -0.12597656,  0.07470703,  0.12402344,
        -0.11181641, -0.18457031, -0.08837891,  0.11425781,  0.125     ,
        -0.01391602, -0.08789062, -0.24511719, -0.13671875,  0.0534668 ,
        -0.12011719, -0.22753906, -0.13574219, -0.21582031, -0.03833008,
         0.06347656, -0.16601562,  0.21289062,  0.10351562, -0.14941406,
        -0.02185059,  0.02807617, -0.01361084, -0.13476562,  0.13671875,
        -0.02502441,  0.10302734, -0.04223633,  0.08789062, -0.0324707 ,
        -0.09130859,  0.05175781,  0.04882812, -0.09375   , -0.11181641,
         0.04321289,  0.01135254, -0.13378906,  0.03466797,  0.01470947,
        -0.16015625, -0.37890625, -0.00952148,  0.36328125, -0.14355469,
         0.26171875, -0.13671875,  0.18457031, -0.08740234,  0.203125  ,
        -0.14648438,  0.14648438,  0.00159454, -0.16308594, -0.4453125 ,
        -0.01068115,  0.03540039, -0.16894531, -0.04003906, -0.2890625 ,
```

```
         0.04296875,  0.37304688,  0.03686523,  0.20507812,  0.24804688,
        -0.16503906, -0.07177734,  0.03637695,  0.24902344, -0.02844238,
         0.05712891, -0.10986328,  0.1484375 , -0.20019531, -0.03369141,
         0.11132812,  0.23339844, -0.19335938,  0.06054688, -0.04614258,
        -0.29296875, -0.0062561 , -0.20410156,  0.18652344,  0.08740234,
         0.10986328, -0.21582031, -0.10205078, -0.09326172, -0.07666016,
         0.05981445,  0.15820312,  0.11669922, -0.359375  ,  0.01611328,
         0.0612793 , -0.07714844,  0.01391602, -0.21289062, -0.00338745,
        -0.17382812, -0.0859375 ,  0.09912109,  0.18261719, -0.14550781,
         0.11914062,  0.15625   , -0.09082031, -0.0859375 ,  0.01806641,
        -0.16113281,  0.03588867,  0.0546875 , -0.04003906, -0.26171875,
         0.05004883,  0.27734375, -0.08105469, -0.11328125, -0.265625  ,
         0.07470703, -0.23925781, -0.1171875 , -0.00219727,  0.02648926,
        -0.16308594,  0.09130859, -0.06689453, -0.10107422, -0.06298828,
        -0.35351562,  0.11962891,  0.10546875, -0.06738281,  0.06298828,
         0.0859375 ,  0.06738281,  0.02709961, -0.04077148,  0.09033203,
        -0.07666016, -0.12158203,  0.08056641, -0.22753906,  0.02770996,
         0.03833008,  0.16699219, -0.09375   ,  0.04077148,  0.01635742,
         0.06640625,  0.15820312, -0.01977539, -0.01904297, -0.03808594,
        -0.22167969,  0.03344727,  0.04785156,  0.33984375, -0.01806641,
         0.17773438, -0.171875  , -0.13378906,  0.40820312,  0.04589844,
        -0.08544922, -0.03881836, -0.01318359,  0.01068115,  0.12304688,
        -0.04736328, -0.11279297, -0.12988281,  0.03271484,  0.00393677],
       dtype=float32),
 'multiple': array([ 2.27050781e-02, -1.12792969e-01, -2.48046875e-01,  9.5
7031250e-02,
        -2.68554688e-02, -1.22070312e-01, -1.02050781e-01,  2.03125000e-01,
         2.06054688e-01, -5.51757812e-02, -2.45117188e-01, -1.49414062e-01,
         3.27148438e-02,  1.82617188e-01, -9.91210938e-02,  2.56347656e-02,
        -3.35937500e-01,  2.99072266e-02, -3.02734375e-01, -1.51367188e-01,
        -1.61132812e-01, -1.35742188e-01, -2.07031250e-01, -1.33056641e-02,
        -7.42187500e-02, -9.91210938e-02, -1.58203125e-01,  5.66406250e-02,
         5.49316406e-02, -2.06054688e-01, -4.88281250e-02,  8.83789062e-02,
         1.70898438e-01, -2.36328125e-01, -1.03515625e-01,  1.90429688e-02,
         2.77343750e-01, -2.89062500e-01, -2.22167969e-02, -7.47070312e-02,
         2.89062500e-01,  1.30004883e-02,  1.51062012e-03, -3.22265625e-02,
         5.34667969e-02,  2.47802734e-02,  1.06933594e-01,  1.20117188e-01,
         4.17480469e-02, -1.00097656e-01, -2.47802734e-02,  7.17773438e-02,
        -3.41796875e-01, -2.55126953e-02, -2.47070312e-01,  1.18164062e-01,
         1.44531250e-01, -1.31835938e-01,  1.89453125e-01,  1.77734375e-01,
        -3.34472656e-02,  2.31445312e-01,  2.06054688e-01,  6.64062500e-02,
         3.58886719e-02,  5.56640625e-02, -4.22363281e-02,  2.04101562e-01,
        -1.13769531e-01,  1.42822266e-02,  1.31835938e-01,  7.71484375e-02,
         8.39843750e-02, -8.88671875e-02, -1.46484375e-01,  8.25195312e-02,
         1.24511719e-02,  2.61230469e-02,  8.30078125e-02,  9.96093750e-02,
        -7.91015625e-02,  2.62451172e-02, -6.44531250e-02, -2.19726562e-01,
         1.76757812e-01, -1.00097656e-01, -1.88476562e-01,  1.33789062e-01,
        -2.59765625e-01,  1.34765625e-01, -5.46875000e-02,  2.16064453e-02,
        -2.07031250e-01, -8.20312500e-02, -1.74560547e-02,  1.32812500e-01,
         5.88378906e-02,  4.12597656e-02,  1.24023438e-01,  1.78710938e-01,
         2.69775391e-02, -1.87500000e-01,  4.46777344e-02, -2.12890625e-01,
         7.27539062e-02,  6.54296875e-02, -2.75878906e-02, -1.20117188e-01,
         2.96875000e-01, -5.93261719e-02, -1.35742188e-01, -1.72851562e-01,
         2.30712891e-02, -1.59179688e-01,  2.46093750e-01,  1.17675781e-01,
        -1.04492188e-01, -4.66918945e-03,  2.75390625e-01, -6.54296875e-02,
        -2.08007812e-01, -2.18505859e-02,  5.24902344e-02,  1.25976562e-01,
         1.50390625e-01, -2.30468750e-01,  4.90722656e-02,  1.43554688e-01,
         5.93261719e-02,  2.08007812e-01,  1.77734375e-01, -1.13281250e-01,
        -9.27734375e-02,  1.15356445e-02,  1.28173828e-02, -1.99218750e-01,
         2.55126953e-02, -1.39648438e-01,  5.34667969e-02,  1.04003906e-01,
        -1.43554688e-01, -1.56250000e-02,  9.57031250e-02,  2.42187500e-01,
         1.26953125e-01, -2.35595703e-02,  4.12597656e-02, -1.84326172e-02,
         3.49121094e-02,  1.25000000e-01, -6.71386719e-03,  5.78613281e-02,
         5.10253906e-02, -1.10839844e-01, -1.30859375e-01, -9.22851562e-02,
```

```
         4.80957031e-02,  3.66210938e-02,  6.78710938e-02,  1.40380859e-02,
        -3.04687500e-01,  8.34960938e-02, -9.03320312e-02, -7.47070312e-02,
         1.14746094e-01,  1.06445312e-01, -8.34960938e-02, -1.89453125e-01,
         3.85742188e-02, -6.17675781e-02, -2.43164062e-01, -2.53906250e-01,
        -1.43554688e-01, -3.28125000e-01, -1.22070312e-02, -1.06933594e-01,
        -5.59082031e-02, -2.43164062e-01, -1.31835938e-01, -9.52148438e-02,
        -2.12890625e-01, -1.01928711e-02, -6.78710938e-02,  5.02929688e-02,
         1.66992188e-01,  1.26953125e-01, -4.93164062e-02,  1.34765625e-01,
         1.21582031e-01, -2.10937500e-01,  1.44531250e-01, -3.90625000e-01,
        -5.10253906e-02, -2.96875000e-01, -3.14941406e-02, -8.78906250e-02,
         7.91015625e-02, -2.03125000e-01, -8.83789062e-02, -1.79687500e-01,
         2.26562500e-01,  2.08984375e-01,  1.51367188e-01, -5.88378906e-02,
        -9.08203125e-02, -1.09375000e-01, -1.50390625e-01, -5.51757812e-02,
        -4.78515625e-02,  6.25000000e-02,  9.17968750e-02,  3.22265625e-02,
        -2.67333984e-02, -2.30712891e-02,  1.90429688e-01, -1.49414062e-01,
         6.05468750e-02,  1.75781250e-01, -2.94921875e-01, -1.33789062e-01,
        -5.24902344e-02, -7.03125000e-02, -9.57031250e-02, -2.01171875e-01,
         9.13085938e-02, -1.08398438e-01, -9.81445312e-02,  1.04003906e-01,
         1.58203125e-01, -4.73632812e-02, -2.38037109e-02,  2.46093750e-01,
         2.70843506e-04,  1.22558594e-01, -1.16699219e-01, -2.46093750e-01,
         4.15039062e-03, -1.45507812e-01, -6.78710938e-02,  2.04101562e-01,
        -1.70898438e-01,  7.17773438e-02, -1.28906250e-01, -2.12890625e-01,
         1.04003906e-01,  1.58691406e-02,  1.04492188e-01,  8.49609375e-02,
        -2.67333984e-02, -1.51367188e-01,  1.44042969e-02,  1.20117188e-01,
         7.75146484e-03, -1.52343750e-01,  9.57031250e-02,  2.12402344e-02,
        -6.54296875e-02, -1.33789062e-01,  1.50756836e-02, -1.56250000e-01,
         1.41601562e-01, -7.71484375e-02, -1.86523438e-01, -5.49316406e-02,
         1.85546875e-01, -2.90527344e-02,  5.83496094e-02,  7.86132812e-02,
        -2.53906250e-01, -9.81445312e-02,  1.26953125e-01, -1.03759766e-02,
        -3.07617188e-02,  8.98437500e-02,  2.53906250e-01,  1.03149414e-02,
        -2.11914062e-01, -7.17163086e-03,  1.44531250e-01, -7.08007812e-02,
        -1.54296875e-01,  6.88476562e-02,  6.93359375e-02, -1.93359375e-01,
        -9.22851562e-02,  2.43164062e-01, -1.29394531e-02,  5.27343750e-02,
         3.12500000e-02,  3.57421875e-01,  6.59179688e-02,  5.51757812e-02,
         2.81982422e-02,  7.17773438e-02, -2.26562500e-01,  1.28906250e-01,
         1.11328125e-01, -5.39550781e-02, -1.42578125e-01,  6.59179688e-0
2],
       dtype=float32),
 'pathways': array([-1.27929688e-01,  7.76367188e-02,  1.47460938e-01,  1.7
3828125e-01,
        -2.38281250e-01, -3.49609375e-01, -5.66406250e-02, -1.62353516e-02,
        -1.38671875e-01, -1.83105469e-03, -9.66796875e-02, -3.61328125e-01,
         8.44726562e-02, -2.73437500e-01,  9.96093750e-02, -2.24609375e-01,
        -1.27929688e-01,  1.02539062e-01,  2.23632812e-01, -1.16210938e-01,
         1.71875000e-01,  1.12792969e-01, -8.00781250e-02,  1.93359375e-01,
        -1.20117188e-01, -1.34765625e-01, -3.35937500e-01, -6.07910156e-02,
        -1.08337402e-03, -5.71289062e-02,  9.22851562e-02, -1.64062500e-01,
         1.44042969e-02,  1.35742188e-01, -3.55468750e-01, -3.94531250e-01,
         1.66992188e-01, -1.60156250e-01,  1.26342773e-02, -2.21679688e-01,
        -1.41601562e-01,  1.42578125e-01, -2.18750000e-01,  1.38671875e-01,
         9.08203125e-02, -1.58203125e-01,  1.72851562e-01,  8.98437500e-02,
        -2.18750000e-01,  1.15722656e-01, -1.99218750e-01, -3.97949219e-02,
         1.28784180e-02, -3.40270996e-03,  3.41796875e-01, -1.64062500e-01,
        -3.47656250e-01, -6.32812500e-01, -8.00781250e-02, -7.27539062e-02,
        -2.09960938e-01,  9.76562500e-02,  1.73828125e-01,  8.15429688e-02,
        -2.44140625e-01,  5.98144531e-02,  1.15722656e-01,  2.33398438e-01,
        -1.71875000e-01, -4.37011719e-02, -1.57226562e-01, -1.27929688e-01,
         2.05078125e-01, -3.32031250e-01, -3.71093750e-02, -4.98046875e-01,
         1.87500000e-01,  7.22656250e-02,  3.17382812e-02, -1.48437500e-01,
        -1.73828125e-01,  5.71289062e-02,  1.61132812e-01, -1.27929688e-01,
         2.40234375e-01,  1.03027344e-01, -7.91015625e-02,  2.08007812e-01,
         8.39843750e-02,  9.86328125e-02,  4.49218750e-02, -4.95605469e-02,
        -4.08203125e-01,  2.78320312e-02,  2.81250000e-01, -1.62353516e-02,
         7.37304688e-02, -4.14062500e-01, -1.58203125e-01, -1.63085938e-01,
```

```
         1.11816406e-01, -6.73828125e-02, -2.66113281e-02, -5.05371094e-02,
         8.44726562e-02, -1.28906250e-01, -1.63085938e-01, -3.36914062e-02,
         1.91406250e-01,  2.96630859e-02, -2.73437500e-01, -1.23046875e-01,
         2.51953125e-01, -2.09960938e-01,  5.03906250e-01, -9.86328125e-02,
        -1.56250000e-01, -7.81250000e-02, -2.02148438e-01, -4.76837158e-04,
         6.03027344e-02,  8.85009766e-03,  2.71484375e-01, -1.56250000e-01,
         1.64062500e-01,  8.54492188e-02, -2.29492188e-01,  3.75000000e-01,
         1.06445312e-01,  2.08007812e-01,  4.73632812e-02,  9.39941406e-03,
         1.93359375e-01, -2.24609375e-01,  1.55639648e-03, -1.02050781e-01,
         1.66992188e-01, -1.10351562e-01, -1.97753906e-02,  2.31445312e-01,
         1.62353516e-02,  1.98242188e-01, -2.20703125e-01,  2.34375000e-01,
         5.20019531e-02,  1.57470703e-02, -1.84570312e-01, -1.45507812e-01,
        -2.75390625e-01, -1.84326172e-02, -1.27929688e-01, -1.34765625e-01,
        -1.22070312e-01,  5.39550781e-02, -5.10253906e-02,  3.12500000e-01,
        -1.60156250e-01, -1.98242188e-01, -6.12792969e-02,  3.17382812e-02,
         2.71484375e-01,  2.16796875e-01,  5.22460938e-02,  2.37304688e-01,
        -7.17773438e-02,  3.36914062e-02,  6.64062500e-02, -2.05078125e-01,
        -8.59375000e-02, -2.19726562e-01, -1.25976562e-01,  2.67578125e-01,
        -4.16015625e-01,  8.54492188e-02,  3.10546875e-01, -6.54296875e-02,
        -5.93261719e-02, -1.64062500e-01, -1.05957031e-01,  2.45117188e-01,
        -3.02734375e-01,  1.04980469e-01,  1.23291016e-02, -5.98144531e-03,
        -3.10546875e-01,  2.20947266e-02, -6.59179688e-02,  3.08227539e-03,
         3.41796875e-01, -8.15429688e-02, -4.00390625e-02, -3.45703125e-01,
        -7.86132812e-02,  3.81469727e-03, -3.47900391e-03, -3.49609375e-01,
        -2.22656250e-01, -1.78710938e-01, -2.19726562e-02,  5.27343750e-02,
         2.87109375e-01, -3.97949219e-02, -3.93066406e-02, -1.02539062e-01,
        -1.02050781e-01, -9.86328125e-02,  1.57226562e-01, -3.11279297e-02,
        -1.02539062e-02, -2.57812500e-01,  4.29687500e-02, -3.08593750e-01,
        -4.58984375e-01,  2.25585938e-01,  1.50390625e-01,  7.17773438e-02,
         2.07519531e-02,  1.37695312e-01,  1.47460938e-01, -1.03515625e-01,
         8.20312500e-02, -4.76562500e-01,  1.30859375e-01,  4.22363281e-02,
        -1.77734375e-01, -3.54003906e-02,  4.71191406e-02, -9.22851562e-02,
         4.49218750e-02,  3.35937500e-01, -3.78417969e-02,  7.61718750e-02,
         2.98828125e-01,  7.71484375e-02, -1.17675781e-01, -2.96875000e-01,
        -7.38525391e-03, -1.56250000e-02,  1.58203125e-01, -1.02539062e-01,
         7.22656250e-02, -9.32617188e-02, -2.74658203e-02, -1.40625000e-01,
        -1.12792969e-01, -9.81445312e-02, -1.28784180e-02,  6.36718750e-01,
        -3.63281250e-01, -3.33984375e-01,  1.07421875e-01, -5.46875000e-02,
         1.54418945e-02,  2.17773438e-01,  1.21582031e-01, -4.02343750e-01,
         2.47070312e-01, -5.07812500e-02, -5.23437500e-01, -2.25830078e-02,
        -2.81982422e-02, -5.03906250e-01, -4.63867188e-02,  2.33398438e-01,
        -7.17773438e-02,  3.30078125e-01,  6.68945312e-02, -4.17480469e-02,
        -1.74804688e-01,  2.14843750e-02, -1.29882812e-01, -4.46777344e-02,
         7.91015625e-02,  1.05957031e-01,  1.16699219e-01,  2.12890625e-01,
         1.31835938e-01,  1.90429688e-02,  2.94921875e-01,  1.16699219e-01,
        -8.34960938e-02, -1.48437500e-01, -1.93359375e-01, -2.15820312e-01,
         1.22558594e-01, -9.03320312e-03, -1.48437500e-01,  1.35742188e-01,
         1.15234375e-01,  1.21582031e-01, -9.52148438e-02, -1.59179688e-01,
        -1.85546875e-02,  6.05468750e-02, -1.01562500e-01,  1.35742188e-01,
         8.93554688e-02, -1.80664062e-01,  2.89062500e-01,  7.76367188e-0
2],
       dtype=float32),
 'center': array([ 0.04516602,  0.11425781,  0.13769531, -0.07714844, -0.16
894531,
        -0.11328125,  0.12695312, -0.06542969, -0.20996094, -0.01226807,
        -0.10693359, -0.14453125,  0.06591797, -0.1640625 ,  0.06494141,
        -0.15429688, -0.03491211, -0.20898438,  0.19921875, -0.15429688,
         0.11621094,  0.13378906, -0.04614258,  0.08544922,  0.05053711,
        -0.16601562, -0.03735352, -0.03515625,  0.10449219, -0.18261719,
         0.14941406, -0.03588867, -0.19628906,  0.08837891, -0.08984375,
        -0.34765625, -0.17578125, -0.0057373 ,  0.03491211, -0.0859375 ,
        -0.0625    , -0.22460938, -0.15039062, -0.02331543, -0.00393677,
        -0.16796875, -0.02783203,  0.05029297,  0.09179688,  0.04492188,
         0.02124023,  0.3046875 , -0.14550781, -0.13085938, -0.07421875,
```

```
        -0.12695312, -0.21484375, -0.08251953, -0.13671875, -0.1640625 ,
        -0.01586914, -0.18847656, -0.11328125, -0.421875  ,  0.09228516,
        -0.01361084, -0.11181641,  0.09863281,  0.15625   , -0.04663086,
        -0.14160156, -0.015625  ,  0.17675781, -0.05517578, -0.2890625 ,
         0.00546265, -0.12304688,  0.140625  , -0.00222778, -0.02294922,
         0.11425781,  0.11083984,  0.00159454, -0.23144531,  0.14355469,
        -0.20410156, -0.13085938, -0.01916504,  0.12109375, -0.09326172,
         0.12451172, -0.00253296,  0.00695801, -0.18066406,  0.01611328,
         0.15722656,  0.10546875, -0.07568359, -0.13183594,  0.0291748 ,
         0.04589844, -0.01721191,  0.04125977,  0.10351562, -0.04785156,
        -0.17871094, -0.13183594, -0.09619141, -0.08886719, -0.21972656,
        -0.02563477,  0.07763672,  0.08886719,  0.02746582, -0.03149414,
         0.11621094,  0.11035156,  0.10791016,  0.20800781,  0.02233887,
        -0.14550781, -0.20800781, -0.01879883,  0.29101562, -0.11376953,
        -0.07666016, -0.140625  ,  0.02331543,  0.34375   , -0.01953125,
         0.13183594, -0.13085938,  0.07568359,  0.14355469, -0.04248047,
        -0.265625  , -0.02929688,  0.10253906, -0.07421875, -0.17675781,
        -0.00747681, -0.07617188,  0.3984375 ,  0.08203125, -0.06689453,
        -0.17578125, -0.03344727,  0.09716797, -0.13964844, -0.04882812,
         0.34375   ,  0.17871094, -0.22949219,  0.21289062,  0.17285156,
         0.09179688, -0.03564453, -0.01000977,  0.19140625, -0.15527344,
         0.00253296,  0.06640625,  0.18164062, -0.18359375, -0.01281738,
         0.11035156,  0.046875  , -0.06738281, -0.12207031, -0.18945312,
         0.06542969, -0.20410156, -0.05297852, -0.125     ,  0.18164062,
         0.04174805,  0.11523438,  0.00228882,  0.13964844,  0.08740234,
        -0.0534668 ,  0.0189209 , -0.01361084, -0.03393555, -0.02685547,
        -0.19628906,  0.09033203,  0.08203125,  0.0625    ,  0.02929688,
        -0.0177002 , -0.13085938,  0.24121094, -0.03173828,  0.02648926,
        -0.04003906, -0.05664062,  0.00479126,  0.04589844, -0.10351562,
        -0.171875  , -0.14941406, -0.08398438, -0.16113281,  0.25585938,
        -0.04101562,  0.40625   , -0.05249023,  0.25      , -0.11669922,
         0.0065918 , -0.171875  , -0.21679688,  0.08740234, -0.00057983,
         0.01550293, -0.10205078,  0.01940918, -0.15722656,  0.14160156,
         0.19628906,  0.17285156, -0.03686523, -0.15722656,  0.01806641,
         0.13867188, -0.18164062,  0.13574219, -0.10449219, -0.12451172,
         0.22851562,  0.01647949,  0.01135254, -0.13476562, -0.09472656,
         0.08544922, -0.14550781, -0.01074219,  0.03881836, -0.09082031,
         0.09423828,  0.02319336,  0.06640625, -0.11376953, -0.03686523,
        -0.11865234,  0.12207031, -0.01831055,  0.10253906, -0.16015625,
        -0.02929688, -0.0859375 ,  0.09472656, -0.07763672,  0.0546875 ,
        -0.14550781, -0.00753784,  0.08154297, -0.44921875,  0.11962891,
         0.01855469, -0.08886719, -0.05639648,  0.21875   ,  0.27929688,
         0.02575684,  0.24902344,  0.09765625, -0.23242188,  0.32421875,
        -0.09667969, -0.17089844, -0.07373047, -0.27929688,  0.10205078,
         0.125     ,  0.0020752 , -0.13085938, -0.24707031, -0.04663086,
         0.02685547,  0.07373047,  0.12207031,  0.25      , -0.06787109,
         0.0291748 ,  0.09814453,  0.05517578,  0.18945312,  0.09765625,
         0.05639648,  0.13964844, -0.04248047,  0.13867188,  0.06030273,
        -0.12792969,  0.13476562, -0.03271484, -0.1171875 ,  0.07373047],
       dtype=float32),
 'currently': array([-2.18505859e-02, -1.51367188e-01,  9.13085938e-02,  1.
32446289e-02,
        -1.13281250e-01,  2.87109375e-01,  1.40991211e-02, -8.54492188e-02,
         2.71484375e-01, -1.98242188e-01, -2.40234375e-01,  1.33789062e-01,
        -1.90429688e-02, -4.41894531e-02, -2.05078125e-01,  7.32421875e-02,
        -2.89062500e-01,  6.49414062e-02, -3.39843750e-01,  1.39648438e-01,
        -2.29492188e-01, -2.89916992e-03, -2.19726562e-01, -8.59375000e-02,
         1.96289062e-01,  7.47070312e-02, -1.01074219e-01,  2.41210938e-01,
        -1.92382812e-01, -1.44531250e-01,  1.62353516e-02,  2.34375000e-02,
         8.78906250e-03,  5.37109375e-02,  2.32421875e-01, -2.92968750e-02,
        -1.33789062e-01, -7.71484375e-02, -6.44531250e-02, -3.06640625e-01,
         1.84570312e-01, -1.08886719e-01, -1.94335938e-01, -1.84326172e-02,
         5.49316406e-02, -1.13281250e-01, -4.24804688e-02, -2.52685547e-02,
        -6.22558594e-02, -1.57226562e-01,  1.49414062e-01,  6.64062500e-02,
```

```
        8.69140625e-02, -9.32617188e-02,  1.15722656e-01,  5.85937500e-02,
       -9.91210938e-02, -1.42578125e-01,  1.14746094e-01, -9.22851562e-02,
       -1.67968750e-01, -1.08032227e-02,  1.33514404e-03, -1.01074219e-01,
       -1.87500000e-01, -4.71191406e-02, -2.80761719e-02,  5.29785156e-02,
       -2.81250000e-01,  1.65039062e-01,  5.85937500e-02,  5.46875000e-02,
        2.38281250e-01,  1.23046875e-01,  6.54296875e-02, -1.60156250e-01,
       -9.76562500e-02, -7.27539062e-02,  5.43212891e-03,  1.70898438e-02,
        7.91015625e-02, -2.03125000e-01,  1.74804688e-01, -1.50390625e-01,
        8.98437500e-02, -4.93164062e-02, -3.26171875e-01,  2.43164062e-01,
        2.40234375e-01, -8.74023438e-02,  1.06933594e-01,  4.17480469e-02,
       -9.13085938e-02, -7.47070312e-02, -3.36914062e-02, -5.00488281e-02,
        9.37500000e-02, -1.82617188e-01,  3.68652344e-02,  1.13281250e-01,
        2.19726562e-01, -3.94821167e-04, -6.54296875e-02, -3.49121094e-02,
        1.01074219e-01, -1.83593750e-01, -3.39355469e-02,  4.32128906e-02,
       -2.61230469e-02,  1.01562500e-01,  4.51171875e-01, -6.31713867e-03,
       -1.81640625e-01,  1.50146484e-02, -1.13281250e-01,  1.77734375e-01,
        9.27734375e-02, -2.98828125e-01,  3.49609375e-01,  2.57568359e-02,
       -1.61132812e-02, -1.48925781e-02,  4.91333008e-03,  1.74804688e-01,
        2.67333984e-02,  4.07714844e-02, -2.10937500e-01,  8.69140625e-02,
       -1.51367188e-01,  1.49414062e-01,  3.67187500e-01, -1.32812500e-01,
        6.10351562e-02, -1.52343750e-01, -1.66992188e-01, -5.12695312e-02,
        5.63964844e-02,  7.42187500e-02,  7.37304688e-02,  1.40625000e-01,
        5.58471680e-03,  3.73840332e-03,  2.26562500e-01,  8.78906250e-02,
        9.91210938e-02,  1.62353516e-02, -6.25000000e-02, -1.25732422e-02,
       -8.97216797e-03, -1.28906250e-01,  1.01562500e-01,  2.46093750e-01,
        5.78613281e-02, -8.48388672e-03,  1.16210938e-01, -5.10253906e-02,
       -8.49609375e-02, -1.59179688e-01,  3.54003906e-02, -8.93554688e-02,
        5.46875000e-02,  3.14453125e-01,  1.66015625e-01, -1.61132812e-02,
        2.30468750e-01,  2.53906250e-01, -2.18505859e-02,  2.12402344e-02,
       -4.07714844e-02, -1.45507812e-01,  1.26953125e-02, -3.21960449e-03,
        2.34375000e-01, -1.30859375e-01,  9.86328125e-02, -2.47802734e-02,
       -7.17773438e-02, -1.51367188e-01, -5.78613281e-02, -8.97216797e-03,
       -5.59082031e-02, -9.96093750e-02, -1.72851562e-01,  6.64062500e-02,
        3.01513672e-02,  1.16210938e-01,  2.81250000e-01,  1.28906250e-01,
        1.17187500e-01, -3.68652344e-02,  2.33154297e-02,  4.80957031e-02,
       -3.78417969e-02, -1.64062500e-01, -6.31713867e-03,  2.98828125e-01,
       -1.22070312e-02, -1.55273438e-01, -6.59179688e-02, -2.91015625e-01,
        1.25976562e-01,  1.43432617e-02,  6.98242188e-02,  1.94335938e-01,
       -8.83789062e-02,  5.90820312e-02, -4.29687500e-02,  8.49609375e-02,
       -1.19628906e-01,  8.44726562e-02,  1.38671875e-01,  2.53906250e-02,
       -1.93359375e-01,  3.00292969e-02, -1.55029297e-02,  2.15148926e-03,
        7.17773438e-02, -1.23535156e-01, -1.33789062e-01,  1.20605469e-01,
       -1.38671875e-01,  5.81054688e-02, -1.22558594e-01, -1.00585938e-01,
        2.32421875e-01,  8.59375000e-02, -2.28515625e-01, -5.61523438e-02,
       -3.41796875e-02,  4.83398438e-02, -2.19726562e-02, -1.03027344e-01,
        1.89453125e-01,  3.00781250e-01, -5.46875000e-02,  7.81250000e-02,
        3.39355469e-02,  4.63867188e-02, -2.06298828e-02,  1.46484375e-01,
       -8.39843750e-02, -2.47802734e-02,  1.18652344e-01, -2.18750000e-01,
       -5.66406250e-02, -6.22558594e-02,  9.37500000e-02, -6.03027344e-02,
       -2.67578125e-01, -1.25976562e-01,  9.22851562e-02, -1.34765625e-01,
        1.41601562e-02,  8.93554688e-02,  1.32812500e-01, -3.27148438e-02,
        1.61132812e-02,  1.75781250e-01,  8.42285156e-03,  1.62109375e-01,
       -3.02734375e-02,  6.73828125e-02,  6.20117188e-02,  1.47460938e-01,
        1.23535156e-01,  1.34765625e-01, -5.79833984e-04,  9.57031250e-02,
       -3.75976562e-02, -8.64257812e-02,  1.26953125e-02, -6.78710938e-02,
        1.04492188e-01, -5.71289062e-02, -1.14257812e-01,  1.99218750e-01,
        3.00292969e-02, -3.24218750e-01,  6.22558594e-02, -8.93554688e-02,
        3.36914062e-02, -1.12792969e-01, -1.29882812e-01,  2.83203125e-01,
        8.00781250e-02,  4.63867188e-02, -1.79687500e-01, -1.43554688e-01,
        3.41796875e-01, -1.51367188e-01, -1.64062500e-01, -1.26953125e-01,
       -2.38037109e-02,  4.29687500e-02,  5.70678711e-03,  1.27929688e-01,
        6.07910156e-02,  1.39648438e-01, -4.46777344e-02, -5.34667969e-0
2],
       dtype=float32),
```

```
 'hiring': array([-0.05639648,  0.25      ,  0.05126953,  0.10058594, -0.03
930664,
        -0.16894531,  0.02526855, -0.16503906, -0.03955078,  0.1796875 ,
         0.375     ,  0.18164062, -0.11572266, -0.19824219, -0.1796875 ,
         0.1328125 , -0.09082031, -0.01708984, -0.17285156, -0.18554688,
        -0.1796875 , -0.03198242,  0.2265625 , -0.03637695, -0.12011719,
         0.16015625, -0.25195312,  0.28320312, -0.34179688,  0.47851562,
        -0.10791016, -0.16503906, -0.08007812, -0.2265625 ,  0.28710938,
        -0.26757812,  0.21289062,  0.13574219,  0.12890625, -0.3515625 ,
         0.296875  ,  0.04248047,  0.09130859, -0.2265625 , -0.29882812,
        -0.04223633, -0.20410156,  0.06396484, -0.3046875 ,  0.4140625 ,
         0.25976562, -0.13671875, -0.2734375 ,  0.125     , -0.01635742,
         0.05004883,  0.359375  ,  0.25      , -0.0456543 ,  0.03271484,
        -0.12060547,  0.16894531, -0.3359375 ,  0.00650024, -0.09863281,
         0.171875  ,  0.03613281, -0.16699219,  0.17382812,  0.10058594,
        -0.24511719, -0.0612793 , -0.05395508,  0.18652344,  0.1171875 ,
        -0.01660156,  0.06298828,  0.03076172, -0.01269531,  0.17578125,
        -0.00315857,  0.20996094,  0.00185394,  0.11669922,  0.15039062,
        -0.01843262, -0.06396484,  0.22363281,  0.10839844, -0.0168457 ,
         0.19042969,  0.02075195, -0.203125  , -0.00439453,  0.2421875 ,
        -0.14355469,  0.18554688,  0.19824219,  0.03076172,  0.08349609,
        -0.17773438, -0.34765625,  0.26953125, -0.02270508,  0.17382812,
        -0.18261719,  0.07226562, -0.00854492, -0.06347656, -0.40234375,
        -0.1640625 ,  0.20605469, -0.11914062, -0.23925781,  0.17773438,
        -0.20117188,  0.21777344, -0.15136719,  0.29492188, -0.0559082 ,
        -0.30859375,  0.34179688, -0.12353516,  0.10986328,  0.3125    ,
        -0.14941406, -0.13769531, -0.03540039, -0.06494141,  0.04907227,
        -0.08056641, -0.296875  ,  0.00811768,  0.05639648,  0.012146  ,
        -0.03112793, -0.07080078,  0.26757812,  0.09082031, -0.10839844,
        -0.19726562, -0.31835938, -0.40820312,  0.07177734, -0.0255127 ,
         0.04443359, -0.01275635,  0.13183594,  0.29296875, -0.01477051,
        -0.0625    , -0.10742188, -0.04589844,  0.16699219,  0.20410156,
         0.12353516, -0.05395508, -0.13476562,  0.15625   , -0.07666016,
         0.04101562, -0.19140625, -0.0144043 , -0.30859375, -0.15039062,
        -0.31054688, -0.12060547, -0.2578125 , -0.03149414, -0.0625    ,
        -0.02734375, -0.10546875,  0.07763672,  0.01672363,  0.01239014,
         0.14160156,  0.05249023,  0.1875    , -0.04858398, -0.07324219,
        -0.32226562, -0.16796875,  0.05859375, -0.50390625, -0.01098633,
        -0.04492188, -0.10400391, -0.01647949,  0.41210938,  0.07910156,
         0.01287842,  0.17382812, -0.13964844, -0.05664062, -0.14550781,
        -0.03369141, -0.23828125, -0.00137329,  0.0222168 , -0.20019531,
        -0.00793457,  0.15820312,  0.03833008,  0.09521484, -0.21484375,
        -0.26171875, -0.01599121, -0.02502441,  0.17285156,  0.11083984,
        -0.00769043,  0.0378418 , -0.08642578,  0.07568359,  0.1953125 ,
         0.27929688,  0.10400391, -0.1171875 , -0.14160156, -0.1015625 ,
         0.09667969,  0.02453613,  0.08496094,  0.08935547,  0.03295898,
        -0.171875  ,  0.01196289,  0.21484375, -0.26171875, -0.02929688,
         0.02294922, -0.04003906, -0.23144531,  0.21972656, -0.10693359,
        -0.10400391,  0.25195312, -0.38085938, -0.16113281, -0.19238281,
        -0.0859375 ,  0.32226562, -0.13671875, -0.22753906, -0.24609375,
        -0.09570312, -0.09570312,  0.15234375,  0.09619141, -0.38867188,
        -0.28515625, -0.08544922, -0.08007812,  0.38671875, -0.13476562,
         0.01495361,  0.21582031,  0.21582031,  0.03320312,  0.05200195,
         0.24316406,  0.07666016, -0.00765991,  0.24316406, -0.24511719,
        -0.01867676, -0.16015625,  0.07324219, -0.0402832 , -0.10644531,
         0.13476562, -0.07226562,  0.06298828,  0.07080078, -0.24902344,
        -0.18554688,  0.01062012,  0.15234375,  0.23046875,  0.03393555,
        -0.17285156, -0.34765625, -0.05297852,  0.18945312,  0.13964844,
        -0.05126953, -0.03686523, -0.11328125,  0.48046875, -0.09570312,
        -0.10253906,  0.15917969, -0.00479126,  0.20605469,  0.11035156,
        -0.03613281,  0.3828125 ,  0.11083984, -0.08398438, -0.10498047],
       dtype=float32),
 'sandy': array([ 0.04199219,  0.26757812,  0.02587891,  0.04443359,  0.064
94141,
```

```
        -0.296875  , -0.26757812, -0.15625   , -0.18066406,  0.12988281,
         0.00680542,  0.04223633, -0.10107422,  0.17089844, -0.12451172,
        -0.06298828, -0.01342773,  0.171875  , -0.20410156,  0.0480957 ,
        -0.24414062,  0.21679688, -0.18261719, -0.02844238,  0.17578125,
        -0.35351562, -0.07617188,  0.05957031,  0.12890625, -0.23339844,
        -0.10302734,  0.3046875 ,  0.19921875, -0.14550781, -0.26757812,
        -0.25195312,  0.19824219, -0.12060547,  0.0168457 , -0.03930664,
         0.0015564 , -0.234375  ,  0.05859375, -0.0625    , -0.06835938,
        -0.12255859, -0.09765625,  0.08056641, -0.07324219, -0.0234375 ,
         0.26757812,  0.19824219,  0.13769531,  0.13574219,  0.13476562,
         0.24707031,  0.00215149,  0.07666016, -0.07861328, -0.07714844,
        -0.22167969, -0.22167969, -0.20703125, -0.14746094,  0.11962891,
         0.13867188, -0.01519775, -0.18261719,  0.29101562,  0.05200195,
         0.25195312, -0.12988281, -0.31445312,  0.04296875, -0.05419922,
        -0.140625  ,  0.03710938, -0.34960938, -0.11474609,  0.09570312,
         0.11816406,  0.08300781, -0.12304688,  0.06542969,  0.08447266,
         0.12988281, -0.03393555, -0.07519531,  0.1171875 , -0.00939941,
        -0.24023438,  0.09960938, -0.04394531,  0.07666016, -0.11328125,
        -0.18847656,  0.18652344, -0.27148438,  0.18066406, -0.0133667 ,
         0.22851562,  0.15234375,  0.09277344,  0.13574219, -0.27734375,
         0.18359375,  0.44335938, -0.05761719, -0.05981445, -0.17675781,
         0.05786133, -0.18554688,  0.23632812, -0.07910156,  0.12304688,
        -0.16894531,  0.10888672, -0.10205078,  0.03063965,  0.00463867,
        -0.22265625,  0.06933594, -0.01977539,  0.04199219,  0.09619141,
        -0.19628906, -0.24414062, -0.26757812,  0.27929688, -0.0625    ,
        -0.22753906,  0.06298828,  0.07861328,  0.34765625, -0.12792969,
        -0.10498047,  0.171875  , -0.23925781,  0.16210938,  0.28515625,
        -0.0234375 ,  0.06835938,  0.10302734, -0.0324707 ,  0.06884766,
         0.18554688, -0.13183594,  0.0111084 , -0.0703125 , -0.02099609,
        -0.07080078, -0.18554688, -0.33203125,  0.14160156, -0.28515625,
         0.0324707 , -0.07617188, -0.10595703,  0.02282715,  0.24023438,
         0.17480469, -0.11230469,  0.12597656, -0.30273438,  0.15234375,
         0.00946045,  0.32617188, -0.23925781, -0.20117188, -0.02319336,
        -0.04956055,  0.44140625, -0.27148438,  0.04223633, -0.08300781,
        -0.02722168, -0.02368164, -0.25976562, -0.11767578,  0.04736328,
        -0.20410156, -0.26757812, -0.22460938,  0.13964844, -0.33203125,
        -0.01208496,  0.24414062,  0.02307129,  0.21386719,  0.20410156,
         0.03417969,  0.07080078,  0.11035156,  0.06933594, -0.11376953,
         0.49414062, -0.06176758,  0.00166321,  0.21484375, -0.10253906,
         0.47070312,  0.12304688, -0.36132812, -0.36132812,  0.23242188,
         0.125     , -0.16015625,  0.04858398, -0.38085938, -0.00787354,
         0.18945312, -0.0534668 , -0.20898438,  0.07714844,  0.24121094,
         0.00772095,  0.00909424, -0.18164062,  0.07666016, -0.0071106 ,
         0.10888672,  0.17773438,  0.00531006,  0.10058594, -0.09912109,
         0.06738281,  0.26757812,  0.00772095,  0.08105469,  0.15136719,
        -0.05932617, -0.2890625 ,  0.15234375,  0.00393677, -0.01098633,
        -0.0625    ,  0.12597656,  0.24511719,  0.2734375 ,  0.10107422,
         0.25195312, -0.12402344, -0.26757812, -0.17480469,  0.03320312,
        -0.25      ,  0.15527344,  0.2265625 , -0.09375   ,  0.11328125,
         0.19238281, -0.13769531,  0.09130859,  0.34765625,  0.18554688,
        -0.55078125, -0.05957031, -0.09326172, -0.28515625,  0.28320312,
        -0.04467773, -0.07421875, -0.16015625,  0.15722656,  0.17480469,
         0.10107422, -0.2265625 , -0.36523438, -0.10498047, -0.00442505,
        -0.17773438, -0.17675781,  0.04248047,  0.05541992, -0.25      ,
         0.10107422,  0.04370117, -0.18945312,  0.04443359, -0.13769531,
         0.21484375, -0.21875   ,  0.23632812, -0.00631714,  0.16894531,
        -0.33398438, -0.23339844,  0.09765625, -0.32421875,  0.41601562,
        -0.06445312,  0.13183594, -0.16308594, -0.10302734,  0.03808594,
         0.2890625 , -0.11230469, -0.26367188, -0.03417969,  0.20605469],
       dtype=float32),
 'springs': array([ 8.88671875e-02,  2.89062500e-01,  1.12304688e-01,  2.01
171875e-01,
        -1.46484375e-01, -3.85742188e-02,  9.22851562e-02,  4.51660156e-02,
        -1.57226562e-01,  3.45703125e-01, -5.49316406e-02, -1.07421875e-01,
```

```
-1.76757812e-01,  1.50390625e-01,  2.91748047e-02,  1.10351562e-01,
-1.10839844e-01,  4.08203125e-01,  6.22558594e-02,  1.81640625e-01,
-7.61718750e-02,  4.08203125e-01, -2.81250000e-01,  1.54296875e-01,
-6.83593750e-02,  7.12890625e-02,  2.31933594e-02,  5.82031250e-01,
-1.66992188e-01, -7.61718750e-02,  6.54296875e-02,  2.74658203e-02,
 3.86047363e-03,  3.45703125e-01, -8.30078125e-02, -3.10546875e-01,
-4.90722656e-02,  6.98242188e-02, -1.83593750e-01, -1.84326172e-02,
 4.82177734e-03, -4.04357910e-04,  1.22558594e-01, -6.98242188e-02,
 3.18359375e-01, -2.16796875e-01, -1.22070312e-01, -7.12890625e-02,
 3.90625000e-01,  1.30859375e-01,  4.12597656e-02, -2.37304688e-01,
-3.06640625e-01,  2.41699219e-02,  2.87109375e-01,  1.41601562e-01,
 1.49414062e-01, -5.61523438e-02,  2.04101562e-01,  3.39355469e-02,
 8.00781250e-02,  1.53808594e-02,  2.08984375e-01, -1.64062500e-01,
-5.21850586e-03, -2.17773438e-01, -1.19628906e-01, -1.04980469e-01,
-5.98144531e-02,  3.22265625e-02,  2.51953125e-01, -2.71484375e-01,
 3.10058594e-02, -2.05078125e-01, -1.94335938e-01, -1.51367188e-01,
-9.61914062e-02,  1.97753906e-02, -4.06265259e-04, -6.46972656e-03,
 2.51953125e-01, -1.74804688e-01,  8.00781250e-02, -1.62109375e-01,
 4.85839844e-02,  8.44726562e-02, -1.10351562e-01, -1.37695312e-01,
 1.41601562e-01, -7.81250000e-02,  1.37695312e-01,  2.98828125e-01,
-7.86132812e-02,  1.39648438e-01, -2.81250000e-01, -8.69140625e-02,
-1.83105469e-02, -2.07031250e-01,  2.51953125e-01, -8.54492188e-03,
-1.66992188e-01, -4.98046875e-02,  1.51367188e-01, -1.91406250e-01,
-1.84570312e-01, -1.64062500e-01, -1.05468750e-01,  7.47070312e-02,
-9.91210938e-02, -7.42187500e-02, -1.32812500e-01,  1.98242188e-01,
 1.10839844e-01, -8.88671875e-02,  2.53906250e-01, -9.76562500e-02,
-1.00097656e-01,  3.12500000e-01, -1.78710938e-01, -1.09252930e-02,
-1.06445312e-01,  2.50000000e-01, -6.31713867e-03, -7.47070312e-02,
-1.83105469e-02,  3.27148438e-02, -1.45874023e-02, -7.71484375e-02,
 2.33398438e-01, -6.93359375e-02, -1.13769531e-01, -1.25976562e-01,
-2.20703125e-01,  4.15039062e-02,  1.84570312e-01, -2.25585938e-01,
 1.48437500e-01, -1.25000000e-01, -1.26953125e-01,  1.93359375e-01,
 1.54296875e-01, -8.10546875e-02,  1.66992188e-01, -1.03149414e-02,
-3.90625000e-02,  4.80957031e-02, -2.75878906e-02,  2.59765625e-01,
 4.92095947e-04,  5.66406250e-02,  3.53515625e-01, -2.20703125e-01,
-2.06054688e-01,  7.87353516e-03,  1.83593750e-01, -8.34960938e-02,
-7.17773438e-02,  1.43554688e-01,  1.21582031e-01, -5.61523438e-02,
 3.65234375e-01, -1.51367188e-01, -1.43554688e-01,  8.20312500e-02,
-2.22167969e-02, -1.44195557e-03, -1.51367188e-01,  2.18750000e-01,
-6.83593750e-02,  8.10546875e-02, -1.18164062e-01,  1.62109375e-01,
-5.88378906e-02, -6.59179688e-02,  6.68945312e-02,  5.56640625e-02,
 8.10546875e-02, -7.78198242e-03, -5.98144531e-02, -7.17773438e-02,
-3.20312500e-01,  5.68847656e-02,  1.61132812e-01, -8.74023438e-02,
 8.93554688e-02,  5.61523438e-02, -1.53320312e-01,  1.54113770e-03,
 7.42187500e-02,  1.67968750e-01, -1.45507812e-01,  1.26953125e-01,
 1.37695312e-01,  2.40234375e-01, -3.06396484e-02,  1.84570312e-01,
-3.47656250e-01, -1.29882812e-01, -5.59082031e-02, -9.25064087e-05,
 3.26171875e-01, -9.71679688e-02, -6.64062500e-02,  2.77343750e-01,
 1.94091797e-02,  4.24804688e-02,  7.71484375e-02, -2.11914062e-01,
 2.66113281e-02,  2.96875000e-01, -1.11816406e-01,  1.26953125e-01,
-1.33789062e-01, -2.09960938e-02, -1.17675781e-01,  5.34667969e-02,
 2.11181641e-02, -1.28906250e-01,  1.53808594e-02,  3.14453125e-01,
 4.10156250e-02, -2.75390625e-01,  2.92968750e-02,  1.66015625e-01,
 4.91333008e-03,  2.67578125e-01, -1.25976562e-01,  1.06933594e-01,
 2.56347656e-02,  1.44531250e-01, -2.75390625e-01,  6.59179688e-02,
-2.14843750e-02,  1.20605469e-01, -2.69531250e-01,  2.08984375e-01,
 3.56445312e-02, -2.69531250e-01,  1.75781250e-01,  5.93261719e-02,
 4.97436523e-03,  5.02929688e-02, -8.05664062e-02, -9.61914062e-02,
 1.51977539e-02, -2.23388672e-02, -1.20605469e-01,  7.66601562e-02,
-3.14941406e-02,  4.54101562e-02,  8.34960938e-02,  2.97851562e-02,
 2.19726562e-01,  1.88476562e-01, -1.20117188e-01, -1.36718750e-01,
-7.11059570e-03, -3.33984375e-01,  1.28936768e-03,  1.16210938e-01,
-1.68945312e-01,  7.76367188e-02, -5.29785156e-02,  3.90625000e-01,
 2.51953125e-01,  7.32421875e-02,  1.00585938e-01, -1.18164062e-01,
```

```
         7.76367188e-02,  5.67626953e-03, -1.39648438e-01,  2.21679688e-01,
        -1.62109375e-01, -8.69140625e-02,  1.18408203e-02,  9.61914062e-02,
        -1.87500000e-01, -9.52148438e-02, -1.15356445e-02,  1.85546875e-01,
         1.47460938e-01, -7.17773438e-02,  3.22265625e-01,  2.63671875e-02,
         2.35351562e-01, -8.98437500e-02, -3.24707031e-02,  1.07910156e-01,
        -5.61523438e-02,  1.69921875e-01, -2.02148438e-01,  2.01171875e-01,
        -4.02343750e-01,  3.61328125e-02,  5.17578125e-02, -2.46093750e-01,
         2.84423828e-02, -2.22656250e-01,  8.64257812e-02, -1.62353516e-0
2],
       dtype=float32),
 'johns': array([-4.57031250e-01,  1.38671875e-01, -1.51367188e-01, -6.0791
0156e-02,
        -2.09960938e-01, -1.59179688e-01, -2.37304688e-01,  2.14843750e-01,
        -7.42187500e-02,  3.86718750e-01,  1.54296875e-01, -1.63085938e-01,
         1.58203125e-01,  3.26171875e-01, -3.88183594e-02, -4.76074219e-02,
         2.25830078e-02, -3.35693359e-03,  1.89453125e-01, -3.43750000e-01,
        -8.72802734e-03, -2.10937500e-01, -5.76171875e-02, -1.57226562e-01,
         1.00585938e-01, -2.73437500e-01, -5.46875000e-02,  2.81250000e-01,
         2.23388672e-02, -2.42187500e-01,  1.58203125e-01,  6.12792969e-02,
         5.59082031e-02, -1.60156250e-01,  1.80664062e-01,  1.64062500e-01,
        -1.96289062e-01,  2.46582031e-02,  1.66992188e-01,  4.63867188e-03,
        -1.32812500e-01,  5.07812500e-01,  1.36718750e-01, -3.12500000e-01,
        -3.18359375e-01, -3.66210938e-02,  3.28125000e-01, -1.96289062e-01,
        -1.51367188e-01,  3.82812500e-01,  1.76757812e-01, -9.82666016e-03,
         2.62451172e-02,  2.06054688e-01, -2.12890625e-01, -2.46093750e-01,
        -5.29785156e-02,  2.73437500e-01, -1.13281250e-01,  5.22460938e-02,
         3.03955078e-02,  1.93359375e-01, -1.16699219e-01,  3.02734375e-01,
        -3.41796875e-02, -2.15820312e-01, -9.21875000e-01,  1.74804688e-01,
         1.22833252e-03,  3.14453125e-01,  3.71093750e-01,  4.19921875e-01,
        -1.83593750e-01,  1.22070312e-01,  9.52148438e-03,  2.38281250e-01,
         1.68945312e-01,  2.19726562e-01, -4.56542969e-02, -3.00781250e-01,
        -6.20117188e-02, -8.83789062e-02, -2.75390625e-01,  1.54296875e-01,
         1.97753906e-02,  3.82812500e-01,  1.05957031e-01,  3.24218750e-01,
         2.89062500e-01,  1.49414062e-01, -5.37109375e-02, -1.10839844e-01,
        -1.36718750e-01,  1.58203125e-01, -1.09863281e-01, -1.78710938e-01,
        -2.51464844e-02, -2.06054688e-01,  5.34667969e-02, -1.82617188e-01,
        -3.20312500e-01, -2.83203125e-01, -6.17675781e-02, -3.04687500e-01,
         3.44238281e-02,  9.21630859e-03,  1.70898438e-01,  4.23828125e-01,
         1.43554688e-01, -9.37500000e-02,  1.01074219e-01,  9.66796875e-02,
         1.82617188e-01,  3.39355469e-02, -6.86645508e-03, -3.10546875e-01,
         2.41210938e-01,  1.22680664e-02, -3.88183594e-02,  9.03320312e-02,
        -2.15820312e-01,  1.31225586e-02, -3.53515625e-01,  1.93359375e-01,
         4.17968750e-01, -2.96875000e-01,  7.27539062e-02,  4.31640625e-01,
         1.06445312e-01,  1.68945312e-01, -2.73437500e-01, -1.70898438e-01,
         3.51562500e-01, -1.34765625e-01, -2.53906250e-01,  2.94921875e-01,
         6.78710938e-02, -1.15234375e-01,  1.29882812e-01,  6.54296875e-02,
         2.14843750e-01, -1.60156250e-01, -3.27148438e-02,  8.54492188e-02,
        -3.51562500e-02,  8.54492188e-02, -6.54296875e-02, -1.81640625e-01,
         4.17480469e-02, -1.16210938e-01,  6.01562500e-01, -1.47460938e-01,
        -1.95312500e-01, -2.75390625e-01,  4.63867188e-02,  7.47070312e-02,
        -2.44140625e-02,  2.07031250e-01, -1.72851562e-01, -2.94189453e-02,
         1.79687500e-01,  2.43164062e-01,  1.15234375e-01, -1.61132812e-02,
         3.26171875e-01,  2.65625000e-01, -2.21679688e-01, -2.30468750e-01,
        -1.13769531e-01, -5.98144531e-02,  1.94335938e-01,  1.09863281e-01,
        -7.81250000e-02,  2.05078125e-01, -2.37304688e-01, -3.19824219e-02,
        -1.69921875e-01, -3.61328125e-01, -2.13867188e-01,  9.17968750e-02,
         4.00390625e-01, -2.75390625e-01,  1.39648438e-01,  9.91210938e-02,
        -6.25000000e-02, -4.29687500e-01,  2.19726562e-01,  2.09960938e-02,
         1.67968750e-01,  2.57812500e-01, -1.04492188e-01,  1.48437500e-01,
         2.11914062e-01,  1.52343750e-01,  1.21582031e-01,  1.87500000e-01,
        -8.69140625e-02, -2.31933594e-02,  8.78906250e-02,  1.64062500e-01,
         3.06396484e-02,  4.71191406e-02,  2.63671875e-01, -1.02050781e-01,
         8.34960938e-02,  4.12597656e-02, -1.71875000e-01, -5.79833984e-03,
         3.27148438e-02,  4.31640625e-01, -4.57031250e-01,  1.92382812e-01,
```

```
        -3.04687500e-01,  5.22460938e-02, -6.64062500e-02, -9.08203125e-02,
        -1.13281250e-01,  1.33789062e-01, -3.47656250e-01,  1.34765625e-01,
        -2.98828125e-01, -2.77343750e-01,  1.98242188e-01,  3.07617188e-02,
         2.75390625e-01, -8.93554688e-02,  2.42919922e-02,  2.13623047e-02,
        -2.35351562e-01, -2.79296875e-01,  1.78710938e-01,  2.50000000e-01,
        -1.93359375e-01,  3.31115723e-03, -5.12695312e-02, -2.75390625e-01,
         3.14453125e-01, -6.62231445e-03,  7.32421875e-02, -1.24023438e-01,
         4.62890625e-01,  5.00488281e-02, -8.54492188e-02, -1.74804688e-01,
        -1.72851562e-01, -6.25000000e-02, -2.65625000e-01,  3.02734375e-01,
         8.25195312e-02, -9.13085938e-02, -2.02148438e-01,  3.49609375e-01,
         1.85546875e-01,  1.41601562e-01, -4.78515625e-02, -2.38281250e-01,
         2.03125000e-01,  5.76171875e-02, -9.81445312e-02, -1.18652344e-01,
        -9.57031250e-02, -3.73535156e-02, -9.57031250e-02, -3.32031250e-02,
        -5.82885742e-03,  1.10351562e-01, -1.38671875e-01, -1.06811523e-02,
         1.52343750e-01, -8.39843750e-02, -1.04980469e-01,  2.51953125e-01,
         1.04003906e-01,  6.75781250e-01,  1.82617188e-01, -6.78710938e-02,
         5.39550781e-02, -9.13085938e-02, -7.66601562e-02,  3.90625000e-01,
         9.03320312e-02, -8.54492188e-02,  4.96093750e-01, -9.91210938e-02,
        -1.70898438e-01,  1.20605469e-01, -2.89062500e-01, -3.84765625e-01,
        -3.49609375e-01,  6.90460205e-04,  1.24023438e-01,  1.32812500e-01,
        -2.44140625e-01,  3.04687500e-01,  2.96020508e-03,  2.73437500e-02,
         3.41796875e-02,  2.55126953e-02,  3.88183594e-02,  3.18359375e-0
1],
       dtype=float32),
 'creek': array([ 4.24804688e-02, -1.26647949e-03, -9.52148438e-02, -6.2255
8594e-02,
         1.26953125e-01, -3.02734375e-01, -2.63671875e-01,  1.46484375e-02,
         2.13867188e-01,  1.36718750e-01,  2.12402344e-02, -4.73632812e-02,
         7.03125000e-02, -9.52148438e-02, -1.61132812e-02, -3.92578125e-01,
        -1.02050781e-01,  2.05078125e-01,  3.61328125e-02,  1.49414062e-01,
        -9.37500000e-02,  3.85742188e-02, -1.27929688e-01, -8.34960938e-02,
         2.06054688e-01, -3.53515625e-01, -3.49609375e-01, -2.16064453e-02,
         8.00781250e-02, -1.65039062e-01, -1.13281250e-01,  2.50000000e-01,
         1.35742188e-01,  5.06591797e-03, -2.43164062e-01, -2.65625000e-01,
         2.61718750e-01, -1.38671875e-01,  7.95898438e-02, -1.87500000e-01,
        -4.39453125e-01,  9.66796875e-02,  1.47460938e-01, -1.73828125e-01,
        -3.76953125e-01, -3.00781250e-01, -9.96093750e-02,  1.25000000e-01,
         9.42382812e-02,  2.67578125e-01,  1.07910156e-01, -1.96289062e-01,
         1.09375000e-01, -1.69921875e-01,  1.58203125e-01, -1.24023438e-01,
         1.41601562e-01,  1.89453125e-01,  2.17773438e-01, -3.29589844e-02,
         5.39550781e-02,  1.03515625e-01,  1.37695312e-01,  7.91015625e-02,
         1.24511719e-01,  7.81250000e-02,  2.08740234e-02,  9.46044922e-03,
        -9.32617188e-02, -9.37500000e-02, -1.04492188e-01, -1.88476562e-01,
         8.20312500e-02, -2.50000000e-01,  1.34887695e-02, -5.24902344e-02,
         2.73437500e-01, -2.14843750e-01,  4.55078125e-01, -1.88476562e-01,
         1.50390625e-01, -2.20947266e-02,  1.25976562e-01, -1.30859375e-01,
         1.59912109e-02,  4.86328125e-01,  1.38671875e-01, -1.38671875e-01,
         1.97265625e-01, -1.57226562e-01, -2.37304688e-01,  4.37500000e-01,
         1.68457031e-02,  5.93261719e-02, -5.81054688e-02,  2.47802734e-02,
        -2.25585938e-01, -9.61914062e-02, -4.41894531e-02,  1.24511719e-02,
        -1.79687500e-01,  1.70898438e-01,  3.00781250e-01, -1.27929688e-01,
         7.56835938e-02, -6.10351562e-02,  8.20312500e-02,  1.24023438e-01,
        -4.42504883e-03,  3.88183594e-02, -2.42187500e-01, -1.81640625e-01,
         5.29785156e-02, -1.76757812e-01,  2.53906250e-01, -3.37890625e-01,
         1.27929688e-01,  1.40625000e-01, -5.03906250e-01,  2.73437500e-01,
         5.49316406e-02,  2.18750000e-01, -1.09375000e-01,  2.65625000e-01,
         1.30859375e-01, -2.05078125e-01, -1.78710938e-01,  1.04003906e-01,
         2.27539062e-01,  6.75201416e-04, -3.86718750e-01, -1.72851562e-01,
        -1.89453125e-01,  1.71875000e-01, -2.37304688e-01,  7.66601562e-02,
         8.34960938e-02, -1.45507812e-01,  2.23632812e-01,  5.23437500e-01,
        -1.42578125e-01,  1.18164062e-01, -1.95312500e-02, -7.95898438e-02,
        -4.42504883e-03,  3.65234375e-01, -7.95898438e-02,  2.20703125e-01,
        -5.10253906e-02, -2.91015625e-01,  3.71093750e-01, -1.24511719e-01,
        -3.73046875e-01,  3.75000000e-01, -3.71093750e-01, -1.38671875e-01,
```

```
         1.70898438e-01, -3.95507812e-02, -4.93164062e-02,  1.81640625e-01,
         1.84326172e-02,  1.91406250e-01, -2.52685547e-02, -1.78710938e-01,
         8.10546875e-02, -1.00585938e-01,  3.73046875e-01, -8.83789062e-02,
         1.03515625e-01, -6.68945312e-02, -2.01171875e-01,  1.66015625e-01,
        -1.48437500e-01,  3.00781250e-01,  1.04980469e-01, -2.53906250e-01,
         3.92578125e-01,  2.09960938e-02, -2.08007812e-01, -7.42187500e-02,
        -2.96875000e-01, -2.15820312e-01,  2.00195312e-01, -8.91113281e-03,
         9.61914062e-02, -1.09863281e-01,  5.29785156e-02,  1.44531250e-01,
         6.34765625e-02,  1.41601562e-01, -3.14941406e-02, -1.67968750e-01,
        -4.96093750e-01,  9.17968750e-02, -7.86132812e-02,  7.66601562e-02,
        -2.75390625e-01,  3.75976562e-02,  4.34570312e-02, -3.35937500e-01,
         1.45507812e-01, -4.39453125e-02, -2.55859375e-01, -8.83789062e-02,
         1.02050781e-01, -2.18505859e-02, -3.36914062e-02, -5.63964844e-02,
        -1.42578125e-01,  1.26953125e-01, -1.26953125e-01,  1.11328125e-01,
        -1.94335938e-01,  2.06054688e-01,  4.19921875e-02,  5.37109375e-02,
        -1.42578125e-01, -1.41601562e-02,  2.38037109e-02,  1.26953125e-01,
         5.63964844e-02,  1.47094727e-02,  2.24609375e-01,  2.14843750e-02,
         4.24804688e-02, -2.06298828e-02,  8.15429688e-02,  2.48046875e-01,
         7.47070312e-02,  3.06640625e-01, -9.76562500e-02, -7.61718750e-02,
         1.84631348e-03, -7.56835938e-02, -3.63769531e-02,  1.00097656e-01,
         3.94531250e-01, -1.44531250e-01,  2.94921875e-01,  1.94335938e-01,
        -1.76239014e-03, -1.25976562e-01, -1.62109375e-01, -2.14843750e-02,
         5.81054688e-02, -4.44335938e-02,  2.32421875e-01,  7.76367188e-02,
        -9.03320312e-02, -6.64062500e-02,  1.88476562e-01, -4.43359375e-01,
         6.19506836e-03,  4.45312500e-01,  2.12890625e-01, -3.06640625e-01,
        -4.39453125e-02, -6.68945312e-02, -1.16699219e-01,  6.59179688e-02,
        -2.11914062e-01, -5.34667969e-02, -5.32226562e-02,  2.46093750e-01,
         3.41796875e-01,  4.17968750e-01, -3.88671875e-01, -7.32421875e-02,
        -9.17968750e-02,  1.66015625e-01,  7.47070312e-02, -1.39648438e-01,
        -1.81640625e-01,  2.28271484e-02,  1.92642212e-04, -4.44335938e-02,
         2.01171875e-01, -1.16210938e-01,  3.08593750e-01, -1.07421875e-01,
         7.86132812e-02, -2.08007812e-01,  4.17968750e-01,  4.16015625e-01,
        -2.45361328e-02, -1.39648438e-01, -1.03027344e-01,  3.02734375e-01,
        -5.07812500e-02,  5.11718750e-01,  7.87353516e-03,  6.03027344e-02,
        -3.65234375e-01, -3.49121094e-02, -9.86328125e-02,  3.32031250e-02,
        -1.07421875e-01, -2.96875000e-01,  3.22265625e-01, -5.29785156e-0
2],
       dtype=float32),
 'available': array([-6.39648438e-02, -2.20703125e-01, -2.02148438e-01,  1.
38671875e-01,
        -1.62109375e-01,  8.05664062e-02,  2.14843750e-01,  8.34960938e-02,
         4.12109375e-01,  2.40478516e-02, -2.20703125e-01, -3.88183594e-02,
        -1.80664062e-01, -1.65039062e-01, -5.39550781e-02,  1.93359375e-01,
         1.65039062e-01, -1.47460938e-01,  7.91015625e-02,  4.44335938e-02,
        -9.76562500e-02,  1.88446045e-03, -2.69531250e-01,  4.21875000e-01,
        -2.67578125e-01,  1.37695312e-01, -1.31835938e-01, -1.41601562e-02,
        -1.53350830e-03, -1.06933594e-01, -1.04980469e-01,  1.09252930e-02,
        -1.42578125e-01, -1.64062500e-01, -1.26953125e-02, -2.61230469e-02,
        -1.34765625e-01, -1.80664062e-01,  1.19140625e-01, -1.80664062e-01,
         3.53515625e-01,  1.09375000e-01, -8.39843750e-02, -1.61132812e-01,
         1.46484375e-01, -2.71484375e-01, -2.00195312e-01,  4.58984375e-02,
        -7.03125000e-02,  4.44335938e-02,  2.00195312e-01, -1.44531250e-01,
         1.34765625e-01, -7.08007812e-02, -1.06445312e-01, -1.36718750e-01,
        -1.25000000e-01, -7.51953125e-02,  3.36914062e-02,  1.66015625e-01,
        -2.17773438e-01, -1.04980469e-01, -2.19726562e-01, -2.42187500e-01,
         4.10156250e-02, -2.15820312e-01, -1.87500000e-01,  1.17675781e-01,
         1.01318359e-02,  1.02050781e-01,  1.51367188e-01, -1.46484375e-01,
         2.08740234e-02,  1.87500000e-01,  1.25976562e-01,  3.78417969e-02,
         1.18164062e-01, -1.38671875e-01, -1.13281250e-01,  2.32421875e-01,
         1.48437500e-01,  3.07083130e-04, -7.53784180e-03,  1.74804688e-01,
         1.82617188e-01, -4.88281250e-03, -1.57226562e-01, -3.68652344e-02,
         7.14111328e-03,  1.36718750e-01, -1.10351562e-01, -8.05664062e-03,
         2.45117188e-01, -1.11328125e-01,  2.49023438e-02, -5.61523438e-02,
         2.07031250e-01,  8.98437500e-02, -2.92968750e-02, -2.50244141e-03,
```

```
         1.67968750e-01,  1.17187500e-01, -1.05957031e-01,  4.12597656e-02,
        -1.70898438e-01, -1.95312500e-02, -1.66992188e-01, -5.24902344e-03,
        -3.66210938e-03, -7.22656250e-02,  1.11816406e-01,  2.12890625e-01,
        -1.43554688e-01, -2.04101562e-01, -5.54199219e-02, -2.04101562e-01,
        -1.46484375e-01, -1.09863281e-01,  5.23437500e-01,  7.08007812e-02,
         3.78417969e-02, -3.06396484e-02,  3.66210938e-02,  9.17968750e-02,
         4.90722656e-02, -7.56835938e-02, -2.20703125e-01, -1.96838379e-03,
         8.98437500e-02,  1.29882812e-01,  5.95703125e-02,  8.49609375e-02,
        -4.49218750e-02,  5.66406250e-02, -6.44531250e-02, -3.20312500e-01,
        -4.66308594e-02, -1.21093750e-01,  1.30859375e-01,  1.46484375e-01,
         1.19018555e-02,  1.79687500e-01, -6.25000000e-02, -1.59179688e-01,
         4.32128906e-02,  9.57031250e-02,  4.24804688e-02, -4.90722656e-02,
         5.24902344e-02, -1.18652344e-01,  2.85644531e-02,  1.98242188e-01,
        -1.10351562e-01, -1.77734375e-01,  3.49121094e-02, -7.81250000e-02,
        -1.48437500e-01, -1.21093750e-01, -3.26171875e-01, -5.15136719e-02,
         2.61718750e-01,  1.07421875e-02,  1.03515625e-01, -3.80859375e-02,
        -1.86523438e-01, -1.92382812e-01, -5.54199219e-02,  1.62109375e-01,
         1.52343750e-01, -3.61328125e-01, -2.43164062e-01, -8.44726562e-02,
         1.50390625e-01,  4.44335938e-02, -1.48437500e-01, -9.33837891e-03,
        -1.22070312e-01, -3.61328125e-01, -1.67968750e-01,  6.34765625e-02,
        -9.61914062e-02, -9.22851562e-02, -1.83593750e-01, -2.49023438e-02,
        -1.38671875e-01, -5.68847656e-02, -2.42187500e-01,  1.25976562e-01,
         1.26953125e-01,  5.27343750e-02, -1.10473633e-02, -1.97265625e-01,
        -2.97851562e-02, -2.65625000e-01, -2.47070312e-01,  1.70898438e-01,
         1.58203125e-01, -1.80664062e-01, -1.50390625e-01, -2.94921875e-01,
         1.09100342e-03,  2.18750000e-01, -3.49121094e-02,  1.03515625e-01,
        -3.63281250e-01,  1.58203125e-01,  8.20312500e-02, -3.19824219e-02,
        -2.02148438e-01,  1.84570312e-01,  1.24511719e-01,  1.34765625e-01,
         2.20947266e-02,  9.71679688e-02,  7.81250000e-02,  2.55859375e-01,
         1.82617188e-01,  4.95605469e-02, -4.71191406e-02,  2.02148438e-01,
         8.00781250e-02, -2.86865234e-02,  6.12792969e-02,  2.27539062e-01,
        -2.92968750e-02,  2.91748047e-02, -1.92382812e-01,  4.97436523e-03,
        -1.86767578e-02, -1.28906250e-01,  1.15722656e-01,  2.09960938e-01,
         2.18750000e-01,  2.77343750e-01,  1.57226562e-01,  4.56542969e-02,
         2.64892578e-02, -1.78710938e-01, -1.70898438e-01,  1.58203125e-01,
         1.39648438e-01,  1.64062500e-01, -1.25976562e-01, -5.78613281e-02,
        -6.15234375e-02,  1.73828125e-01, -4.88281250e-02,  3.32031250e-01,
         9.37500000e-02, -2.32421875e-01,  6.73828125e-02,  1.15722656e-01,
         2.20947266e-02,  1.55273438e-01,  2.06054688e-01,  1.67968750e-01,
        -2.94921875e-01, -2.25585938e-01, -1.54296875e-01, -5.22460938e-02,
        -7.27539062e-02, -8.69140625e-02,  1.74560547e-02, -1.94091797e-02,
        -4.46777344e-02, -1.31835938e-01,  2.55859375e-01,  1.31835938e-02,
         7.81250000e-03, -3.02734375e-01,  2.21679688e-01,  1.58203125e-01,
        -7.51953125e-02,  6.68945312e-02,  2.59765625e-01, -1.72119141e-02,
         2.13867188e-01, -3.26171875e-01, -1.53320312e-01,  1.01562500e-01,
        -2.48046875e-01, -2.64892578e-02,  2.44140625e-01, -8.30078125e-02,
        -4.37011719e-02,  4.63867188e-02,  1.21093750e-01,  2.22656250e-01,
         1.23535156e-01,  1.00097656e-02,  1.26953125e-01, -1.69921875e-01,
         7.76367188e-02,  1.39648438e-01,  2.79296875e-01,  1.85546875e-01,
        -2.49023438e-02, -2.29492188e-01,  1.85546875e-02, -1.51367188e-0
1],
       dtype=float32),
 'base': array([-6.64062500e-02,  1.08398438e-01,  1.31835938e-01,  1.20117
188e-01,
        -4.29687500e-01, -1.92382812e-01, -1.30859375e-01, -2.17773438e-01,
        -2.67028809e-04,  7.81250000e-02,  1.24023438e-01, -1.45507812e-01,
         1.50390625e-01,  1.15234375e-01, -5.15136719e-02, -5.39550781e-02,
        -3.32031250e-02,  2.83203125e-02, -4.78515625e-02, -1.05468750e-01,
        -9.17968750e-02, -7.86132812e-02,  8.64257812e-02, -1.22070312e-02,
         1.49414062e-01, -2.45117188e-01, -3.61328125e-01,  2.07031250e-01,
         4.48608398e-03, -1.47460938e-01,  4.29687500e-01, -2.10937500e-01,
        -7.51953125e-02, -2.49023438e-02,  1.14746094e-01, -3.20312500e-01,
        -5.10253906e-02, -4.12597656e-02,  7.51953125e-02, -1.79687500e-01,
         2.56347656e-03, -3.65234375e-01, -5.10253906e-02, -6.12792969e-02,
```

```
 3.93066406e-02, -1.32812500e-01, -4.46777344e-02,  8.54492188e-02,
 7.08007812e-02, -1.34277344e-02,  1.72851562e-01, -1.56250000e-01,
 8.39843750e-02,  9.22851562e-02, -2.61718750e-01, -4.37011719e-02,
 7.61718750e-02,  2.15820312e-01, -1.97753906e-02, -1.50390625e-01,
 1.13281250e-01, -1.53320312e-01, -1.05468750e-01, -1.24023438e-01,
 1.15234375e-01,  5.02929688e-02, -1.12915039e-02, -9.42382812e-02,
 1.19628906e-01,  2.02148438e-01, -2.78320312e-02, -2.81250000e-01,
 3.46679688e-02, -1.28906250e-01, -2.34375000e-01,  1.72119141e-02,
 1.78710938e-01, -1.13525391e-02, -5.83496094e-02, -2.30468750e-01,
 1.19140625e-01,  9.13085938e-02,  2.27050781e-02,  1.68945312e-01,
 9.52148438e-02, -4.16015625e-01, -2.41210938e-01,  4.10156250e-01,
 1.44042969e-02, -1.45507812e-01, -1.25000000e-01, -9.13085938e-02,
-1.49414062e-01, -1.04492188e-01, -1.09375000e-01, -8.74023438e-02,
 6.17675781e-02, -1.31835938e-01, -1.96289062e-01, -5.49316406e-02,
-2.52685547e-02, -1.11816406e-01, -8.20312500e-02,  5.97656250e-01,
 1.21582031e-01, -9.81445312e-02,  3.46679688e-02,  1.96289062e-01,
 1.12304688e-01, -1.87500000e-01,  6.07299805e-03, -2.94921875e-01,
-5.81054688e-02, -6.78710938e-02, -1.66015625e-02,  2.61718750e-01,
-1.75781250e-01,  1.79687500e-01, -3.68652344e-02,  7.17773438e-02,
 1.12304688e-01, -6.22558594e-03, -1.91650391e-02,  3.63281250e-01,
-1.11816406e-01, -9.13085938e-02,  9.76562500e-03,  5.37109375e-02,
 5.95703125e-02, -2.20947266e-02,  1.58203125e-01, -2.06054688e-01,
 3.19824219e-02, -2.17285156e-02,  1.18164062e-01, -6.78710938e-02,
 3.97949219e-02, -2.12890625e-01, -1.50390625e-01,  9.61914062e-02,
-2.25585938e-01,  2.61718750e-01,  8.30078125e-02,  3.71093750e-01,
-6.54296875e-02,  3.36914062e-02, -7.56835938e-02,  1.23901367e-02,
 1.84570312e-01,  1.42578125e-01, -1.14746094e-01, -2.86865234e-02,
 1.71875000e-01, -7.32421875e-02, -7.81250000e-02, -1.35742188e-01,
-5.76171875e-02,  3.61328125e-02, -1.31835938e-01,  1.37695312e-01,
-3.08837891e-02,  8.34960938e-02, -1.08398438e-01, -1.90429688e-01,
-1.46484375e-01,  1.31835938e-01,  7.27539062e-02, -1.67968750e-01,
 3.51562500e-02,  9.91210938e-02, -1.50390625e-01,  3.83300781e-02,
 2.38281250e-01, -1.16699219e-01,  1.49414062e-01,  3.93066406e-02,
 1.49414062e-01, -3.22265625e-01, -2.40478516e-02, -6.05468750e-02,
-2.17773438e-01, -3.41796875e-02, -5.32226562e-02,  5.93261719e-02,
-7.66601562e-02, -8.59375000e-02,  1.25976562e-01,  1.10839844e-01,
 4.35546875e-01,  1.32812500e-01,  5.07812500e-02, -2.48046875e-01,
 2.45117188e-01, -7.71484375e-02, -2.71484375e-01,  2.81250000e-01,
 3.97949219e-02,  1.23046875e-01, -1.06445312e-01, -1.46484375e-01,
-9.86328125e-02, -4.37011719e-02, -4.83398438e-02, -1.03515625e-01,
 1.93359375e-01,  4.49218750e-02,  6.73828125e-02, -6.25000000e-02,
-2.25585938e-01, -1.41601562e-01,  1.98242188e-01,  1.47460938e-01,
-1.41601562e-01,  8.20312500e-02, -4.39453125e-02,  4.11987305e-03,
 1.40991211e-02, -5.07812500e-02, -8.88671875e-02,  1.90429688e-01,
 1.58203125e-01,  1.75781250e-01, -1.63085938e-01, -2.48046875e-01,
 1.41601562e-01,  2.86865234e-02, -2.33398438e-01,  1.15722656e-01,
 2.13867188e-01,  1.40625000e-01, -3.73535156e-02, -1.45507812e-01,
-6.17675781e-02, -1.54296875e-01, -1.16210938e-01,  7.44628906e-03,
-1.51367188e-01,  1.14257812e-01,  8.34960938e-02,  4.34570312e-02,
-1.22558594e-01,  9.52148438e-02,  1.23046875e-01,  9.13085938e-02,
 1.34765625e-01, -9.71679688e-02, -6.78710938e-02,  1.04980469e-02,
-3.68652344e-02,  2.13867188e-01, -1.19628906e-01, -5.15136719e-02,
 1.05957031e-01, -1.01318359e-02, -6.54296875e-02,  7.95898438e-02,
-6.29882812e-02,  1.11328125e-01, -3.08593750e-01, -2.65625000e-01,
-1.57165527e-03, -2.40234375e-01, -1.62109375e-01,  3.30078125e-01,
-5.60760498e-04,  4.00390625e-02,  3.34472656e-02, -3.06640625e-01,
-2.31445312e-01,  1.18652344e-01,  7.61718750e-02,  2.34375000e-02,
-3.17382812e-02, -1.01318359e-02,  1.14746094e-01,  6.78710938e-02,
-9.22851562e-02, -7.87353516e-03,  1.52587891e-03,  1.43554688e-01,
 1.44531250e-01,  1.53320312e-01,  1.44531250e-01,  2.51953125e-01,
-1.78710938e-01, -5.49316406e-03,  5.71289062e-02, -6.44531250e-02,
-9.57031250e-02, -1.64062500e-01,  6.34765625e-02, -3.75976562e-02,
-2.03125000e-01, -1.83593750e-01,  2.13867188e-01, -4.56542969e-02,
-1.00585938e-01,  1.33789062e-01, -3.75976562e-02, -1.77734375e-0
```

```
1],
       dtype=float32),
 'salaried': array([ 0.09814453,  0.03735352, -0.10546875,  0.27734375,  0.
04101562,
        -0.04760742,  0.11669922, -0.04248047,  0.13769531,  0.05932617,
         0.20117188,  0.29101562,  0.07177734,  0.12060547, -0.07763672,
         0.08056641,  0.07568359,  0.10693359,  0.296875  ,  0.09619141,
        -0.14257812, -0.10498047,  0.21777344, -0.5       ,  0.10351562,
         0.22558594, -0.28710938,  0.21875   , -0.16992188,  0.19140625,
         0.14355469, -0.16894531,  0.21972656,  0.125     , -0.00436401,
        -0.36523438,  0.18066406,  0.28125   , -0.00787354, -0.10351562,
         0.08691406, -0.265625  ,  0.14648438, -0.01513672, -0.53515625,
        -0.16894531, -0.23730469,  0.05029297, -0.13769531,  0.08056641,
         0.02563477, -0.2890625 ,  0.00613403,  0.22753906,  0.06738281,
        -0.05053711,  0.08837891,  0.16894531, -0.15917969,  0.31835938,
         0.09521484,  0.08349609, -0.46679688,  0.03344727,  0.24707031,
        -0.08691406, -0.00473022,  0.33203125,  0.234375  , -0.12207031,
        -0.03369141, -0.12988281,  0.04858398,  0.27539062, -0.07714844,
        -0.078125  , -0.07177734, -0.03833008, -0.05908203, -0.26171875,
         0.23144531, -0.01239014, -0.0071106 ,  0.453125  ,  0.24121094,
        -0.00108337, -0.04125977,  0.13378906,  0.33203125, -0.3125    ,
        -0.37304688,  0.02905273, -0.1484375 , -0.04077148, -0.12353516,
        -0.28320312,  0.23535156,  0.01672363,  0.05493164, -0.02319336,
        -0.14257812, -0.35351562, -0.20410156,  0.1640625 ,  0.13671875,
        -0.2578125 ,  0.14941406,  0.27734375,  0.0067749 , -0.2578125 ,
         0.3203125 , -0.10595703, -0.22949219,  0.15625   ,  0.24804688,
        -0.37890625,  0.20117188, -0.34765625,  0.34765625, -0.13476562,
        -0.06298828,  0.08544922, -0.1328125 ,  0.13964844,  0.3515625 ,
        -0.08789062,  0.01531982, -0.29882812,  0.04516602, -0.07617188,
        -0.13574219,  0.09423828,  0.05810547, -0.28515625,  0.1640625 ,
        -0.26367188, -0.7578125 ,  0.12304688,  0.13574219,  0.01599121,
        -0.04467773, -0.2734375 ,  0.12695312,  0.09716797, -0.19824219,
         0.14648438,  0.00357056,  0.2890625 ,  0.11035156, -0.04907227,
         0.18652344, -0.06445312, -0.15527344,  0.01672363,  0.07226562,
        -0.07226562,  0.06494141, -0.21875   ,  0.1875    , -0.3359375 ,
         0.1015625 , -0.01928711, -0.09667969, -0.19433594, -0.28515625,
        -0.38085938, -0.32617188, -0.07470703, -0.06542969,  0.171875  ,
         0.03881836, -0.23828125,  0.01068115,  0.04516602,  0.23339844,
        -0.30273438,  0.0859375 ,  0.265625  , -0.05444336, -0.07763672,
        -0.38085938, -0.36132812, -0.25      ,  0.07714844, -0.3984375 ,
         0.296875  ,  0.0703125 ,  0.18359375,  0.4453125 ,  0.25390625,
        -0.26171875, -0.09863281, -0.37109375, -0.07861328, -0.16992188,
         0.10693359,  0.06884766, -0.01318359,  0.10644531, -0.16503906,
         0.01434326,  0.04174805, -0.09716797,  0.21582031, -0.51953125,
        -0.19042969, -0.17382812,  0.08837891,  0.23730469, -0.05761719,
         0.00765991, -0.33398438, -0.00946045,  0.15332031,  0.2890625 ,
         0.08935547, -0.15429688,  0.24023438, -0.39257812, -0.25195312,
        -0.07861328, -0.14941406,  0.19628906,  0.11279297,  0.2890625 ,
        -0.14453125, -0.08447266, -0.07910156, -0.296875  , -0.06787109,
         0.09765625, -0.18554688,  0.26953125,  0.03198242,  0.375     ,
        -0.09765625,  0.03588867, -0.29492188, -0.27734375, -0.10693359,
        -0.05371094,  0.07470703,  0.11035156, -0.2265625 , -0.46484375,
         0.12207031, -0.26757812, -0.32226562, -0.12011719, -0.17578125,
        -0.00280762, -0.18652344, -0.09570312,  0.16308594, -0.04760742,
        -0.22265625, -0.03039551, -0.16113281, -0.00714111, -0.03833008,
         0.30078125, -0.0456543 , -0.20996094,  0.07519531, -0.13574219,
        -0.01696777,  0.18359375,  0.08691406,  0.12353516, -0.25390625,
         0.08398438,  0.14355469, -0.01153564, -0.3125    ,  0.16308594,
        -0.00732422, -0.07958984,  0.07080078, -0.03564453,  0.47851562,
        -0.24609375, -0.32617188,  0.02258301,  0.16308594,  0.08056641,
        -0.11572266, -0.23730469,  0.23242188,  0.38085938, -0.17382812,
        -0.19042969,  0.11279297, -0.31640625, -0.04272461, -0.39257812,
         0.12792969,  0.33398438,  0.05004883,  0.22167969, -0.47070312],
       dtype=float32),
```

```
 'start': array([-3.44238281e-02,  1.03515625e-01,  2.16064453e-02,  1.2988
2812e-01,
        -1.14257812e-01, -1.25976562e-01, -1.29882812e-01, -2.61718750e-01,
         1.95312500e-01,  4.54101562e-02,  1.15234375e-01,  2.05078125e-02,
        -1.95312500e-02, -1.32812500e-01, -1.55273438e-01,  9.13085938e-02,
         1.23046875e-01,  1.04980469e-01,  2.43164062e-01, -1.45507812e-01,
        -1.35742188e-01,  2.20703125e-01,  7.27539062e-02,  7.71484375e-02,
         1.59179688e-01,  1.01074219e-01,  7.42187500e-02,  2.42614746e-03,
        -3.51562500e-02,  1.68945312e-01, -1.40625000e-01,  4.10156250e-02,
        -4.44335938e-02, -1.80664062e-01,  2.67333984e-02,  1.08886719e-01,
        -3.05175781e-02, -1.06445312e-01, -1.78222656e-02,  1.20117188e-01,
         3.59375000e-01, -1.68945312e-01,  2.96875000e-01,  1.30859375e-01,
         8.74023438e-02,  6.07910156e-02, -2.11914062e-01,  6.59179688e-02,
        -1.01562500e-01,  3.28125000e-01,  2.28515625e-01,  1.62109375e-01,
        -1.57226562e-01, -4.54101562e-02,  4.68750000e-02, -5.29785156e-02,
        -5.37109375e-02, -2.47070312e-01,  1.55029297e-02, -3.37890625e-01,
        -1.42578125e-01, -1.56250000e-01, -1.34765625e-01, -1.12304688e-01,
        -8.54492188e-02, -6.49414062e-02, -1.13281250e-01,  3.41796875e-02,
        -1.64062500e-01,  2.38281250e-01, -1.22070312e-01,  2.31933594e-02,
         8.39843750e-02, -1.11328125e-01, -5.71289062e-02, -1.61132812e-01,
         3.71093750e-02,  2.72216797e-02, -1.76757812e-01,  1.23046875e-01,
         3.22265625e-02, -2.96630859e-02,  1.08398438e-01, -1.54296875e-01,
         2.43164062e-01,  5.07812500e-02,  1.10351562e-01, -5.98144531e-02,
         2.36328125e-01,  3.61328125e-02,  8.10546875e-02,  7.51953125e-02,
         1.81884766e-02, -3.53515625e-01,  1.48437500e-01, -2.04101562e-01,
        -1.25000000e-01,  6.34765625e-03, -1.10351562e-01,  3.54003906e-02,
        -3.44238281e-02,  2.41699219e-02, -6.88476562e-02,  1.66015625e-01,
        -4.88281250e-02, -1.48437500e-01, -2.52685547e-02, -3.01513672e-02,
        -2.86865234e-02,  1.49414062e-01,  1.87500000e-01, -1.04980469e-01,
         1.35742188e-01, -3.18359375e-01, -2.58789062e-02, -1.01562500e-01,
         1.85546875e-01,  7.37304688e-02, -5.12695312e-02,  1.40625000e-01,
         2.29492188e-02, -1.36718750e-02,  1.34765625e-01,  9.57031250e-02,
         6.44531250e-02,  4.73632812e-02, -1.38671875e-01, -1.36718750e-01,
        -1.53198242e-02,  1.15234375e-01, -9.91210938e-02, -1.95312500e-01,
         6.64062500e-02, -1.04492188e-01, -3.75976562e-02, -8.34960938e-02,
         1.15722656e-01,  3.56445312e-02, -1.24511719e-01,  7.03125000e-02,
        -1.77001953e-02,  5.85937500e-02,  5.68847656e-02,  9.17968750e-02,
        -7.61718750e-02, -5.76171875e-02,  9.08203125e-02, -2.08984375e-01,
        -5.24902344e-02, -1.71875000e-01,  6.59179688e-02,  1.20117188e-01,
        -2.02148438e-01,  1.15234375e-01,  7.42187500e-02, -6.44531250e-02,
        -3.01513672e-02, -3.08593750e-01, -1.03027344e-01, -2.58789062e-02,
        -6.92749023e-03, -6.49414062e-02,  4.80957031e-02, -2.02148438e-01,
        -7.71484375e-02,  9.52148438e-02,  4.71191406e-02, -1.02539062e-01,
         1.31835938e-01, -1.38671875e-01, -2.27539062e-01, -2.89062500e-01,
        -1.14135742e-02, -8.64257812e-02,  4.07714844e-02,  3.58886719e-02,
         1.36718750e-01,  1.38671875e-01,  9.91210938e-02,  1.89453125e-01,
        -4.12597656e-02, -1.91406250e-01,  8.74023438e-02,  5.46875000e-02,
        -4.71191406e-02,  3.14941406e-02, -1.62109375e-01, -9.88769531e-03,
         1.28906250e-01, -1.00585938e-01, -8.44726562e-02,  4.51660156e-02,
        -8.05664062e-02, -1.77001953e-02, -2.90527344e-02,  5.59082031e-02,
         1.08886719e-01,  6.54296875e-02,  4.44335938e-02, -6.78710938e-02,
         5.12695312e-02, -1.50390625e-01,  5.18798828e-03,  4.54101562e-02,
         4.51660156e-02,  1.99890137e-03, -1.57226562e-01, -1.69921875e-01,
         2.99072266e-02, -4.56542969e-02,  6.49414062e-02,  2.16796875e-01,
        -2.40478516e-02,  4.71191406e-02,  2.72216797e-02, -5.95703125e-02,
         9.86328125e-02, -1.79687500e-01,  4.49218750e-02, -1.04980469e-01,
        -3.61328125e-02,  5.10253906e-02, -1.39648438e-01,  4.68750000e-02,
         1.48437500e-01, -7.51953125e-02, -1.37695312e-01, -3.27148438e-02,
        -4.34570312e-02,  6.59179688e-02,  9.96093750e-02,  3.24707031e-02,
        -1.60156250e-01,  1.29882812e-01, -1.76757812e-01,  7.76367188e-02,
        -1.38671875e-01,  1.01318359e-02, -4.11987305e-03,  3.65078449e-06,
         1.23901367e-02,  7.47070312e-02, -2.25585938e-01, -2.85156250e-01,
        -2.84423828e-02, -8.98437500e-02,  1.27563477e-02,  9.86328125e-02,
         1.51062012e-03, -2.00195312e-02,  4.61425781e-02, -3.95507812e-02,
```

```
         7.56835938e-02, -3.63769531e-02, -6.93359375e-02,  7.37304688e-02,
         2.11914062e-01,  1.08398438e-01, -9.57031250e-02, -4.41894531e-02,
         1.04003906e-01,  1.26953125e-01, -4.76074219e-02,  9.96093750e-02,
         9.61914062e-02, -3.06396484e-02, -1.96533203e-02, -5.46875000e-02,
        -6.49414062e-02, -1.11328125e-01,  2.73437500e-02,  7.66601562e-02,
         1.31835938e-01,  2.68554688e-02,  2.46093750e-01,  3.75976562e-02,
        -6.17675781e-02, -1.63085938e-01,  7.03125000e-02, -6.83593750e-02,
         2.87109375e-01, -1.11328125e-01,  9.32617188e-02,  1.14257812e-01,
         3.10058594e-02,  7.56835938e-02, -6.73828125e-02, -7.51953125e-02,
         1.45507812e-01,  9.91210938e-02, -3.28063965e-03,  2.57812500e-01,
        -3.08593750e-01,  5.76171875e-02,  4.76074219e-02,  5.82885742e-03,
         8.69140625e-02,  7.32421875e-02,  3.32031250e-02,  3.83300781e-0
2],
       dtype=float32),
 'relocation': array([-1.61132812e-01,  3.57421875e-01, -9.17968750e-02,
5.31005859e-03,
        -5.41992188e-02, -1.55273438e-01, -1.62353516e-02,  1.26342773e-02,
         2.98828125e-01,  1.18652344e-01, -3.39355469e-02,  1.04003906e-01,
        -1.41601562e-01,  2.55126953e-02,  3.29589844e-02,  5.05371094e-02,
        -1.04492188e-01, -1.32812500e-01, -1.32812500e-01,  1.02539062e-01,
         2.23388672e-02,  1.30859375e-01,  6.68945312e-02, -1.32812500e-01,
        -3.32031250e-01,  2.47802734e-02, -9.96093750e-02, -8.10546875e-02,
        -2.73437500e-01, -1.63085938e-01,  3.69140625e-01,  8.39843750e-02,
        -1.28906250e-01, -8.78906250e-03,  1.29882812e-01, -1.82617188e-01,
         1.46484375e-01,  2.09960938e-02,  3.90625000e-02, -4.49218750e-01,
        -1.37695312e-01, -2.34375000e-02,  1.42578125e-01,  8.48388672e-03,
        -4.25781250e-01, -1.33789062e-01,  4.66308594e-02, -3.32031250e-02,
        -1.73828125e-01,  2.30468750e-01,  2.23632812e-01, -2.23632812e-01,
        -7.47070312e-02, -2.03125000e-01, -3.30078125e-01, -2.01171875e-01,
        -1.80664062e-01,  1.40625000e-01,  7.91015625e-02,  1.06445312e-01,
        -2.50000000e-01, -9.96093750e-02, -4.32128906e-02, -2.69531250e-01,
        -1.12304688e-01, -1.66992188e-01, -1.21582031e-01,  1.09375000e-01,
        -1.01074219e-01,  1.46484375e-01,  1.09375000e-01, -7.91015625e-02,
         2.73437500e-02, -1.19140625e-01, -1.63085938e-01, -3.12500000e-01,
        -2.87109375e-01,  3.49121094e-02, -1.47460938e-01, -1.62353516e-02,
         2.04101562e-01,  1.73828125e-01, -4.61425781e-02,  2.32421875e-01,
         1.92382812e-01, -1.81640625e-01, -1.41601562e-01,  2.32421875e-01,
         1.49414062e-01, -2.23632812e-01,  1.67968750e-01, -2.75878906e-02,
        -8.74023438e-02, -2.25830078e-02,  1.39648438e-01,  3.26171875e-01,
         1.30859375e-01,  3.54003906e-02,  5.49316406e-02,  1.42578125e-01,
        -1.03027344e-01,  3.02734375e-01,  3.93066406e-02,  3.49609375e-01,
         1.08886719e-01,  1.05590820e-02,  1.05957031e-01, -6.93359375e-02,
         2.22167969e-02, -6.59179688e-02,  5.59082031e-02,  7.53784180e-03,
         8.44726562e-02,  1.61132812e-01,  1.05590820e-02, -2.67333984e-02,
         4.49218750e-01, -6.00585938e-02,  1.87500000e-01, -1.66015625e-02,
        -1.38671875e-01,  1.27929688e-01, -3.30078125e-01,  9.47265625e-02,
        -1.35742188e-01,  2.25585938e-01, -3.12500000e-01, -1.51367188e-01,
         9.52148438e-02, -1.13525391e-02,  1.25000000e-01,  5.29785156e-02,
        -9.86328125e-02, -9.86328125e-02, -2.69531250e-01,  5.00488281e-02,
        -3.28125000e-01, -2.23632812e-01, -8.15429688e-02,  1.74804688e-01,
         9.17968750e-02, -4.19921875e-02, -1.35742188e-01,  1.71875000e-01,
         1.89453125e-01, -1.24023438e-01, -1.58203125e-01,  2.92968750e-01,
        -3.51562500e-01, -4.49218750e-02,  1.92382812e-01, -3.66210938e-02,
         2.16796875e-01, -1.98974609e-02, -8.39843750e-02, -1.09375000e-01,
         1.51367188e-01, -5.88378906e-02,  2.69531250e-01,  1.61132812e-02,
        -7.17773438e-02, -1.01074219e-01, -3.03955078e-02, -1.36718750e-02,
        -1.48437500e-01,  5.05371094e-02,  3.14453125e-01, -6.44531250e-02,
        -7.47070312e-02,  1.04980469e-01,  2.59765625e-01, -1.69921875e-01,
         1.04492188e-01,  7.95898438e-02,  2.57812500e-01,  6.88476562e-02,
         6.78710938e-02,  2.16796875e-01,  2.71484375e-01,  1.22558594e-01,
        -2.98828125e-01, -9.22851562e-02,  1.70898438e-01, -3.53515625e-01,
         3.34472656e-02,  2.80761719e-03,  1.35742188e-01,  1.53320312e-01,
         2.17773438e-01,  2.02148438e-01,  2.82287598e-04, -3.95507812e-02,
         2.75390625e-01,  2.04101562e-01,  8.30078125e-03, -9.66796875e-02,
```

```
         9.17968750e-02, -6.54296875e-02,  8.54492188e-02, -3.41796875e-01,
         2.05078125e-01, -1.69921875e-01, -2.46582031e-02, -3.54003906e-02,
        -1.09375000e-01,  8.97216797e-03,  5.15136719e-02,  3.17382812e-02,
         6.09375000e-01,  2.40234375e-01,  2.85644531e-02, -1.88476562e-01,
        -9.03320312e-02,  1.26342773e-02,  3.32031250e-02,  1.84570312e-01,
         8.74023438e-02, -7.81250000e-02, -1.09375000e-01, -1.01074219e-01,
         3.12500000e-02,  1.78710938e-01, -3.20434570e-04, -6.39648438e-02,
        -5.12695312e-02, -2.16796875e-01, -2.35351562e-01,  2.67333984e-02,
        -8.78906250e-02, -4.34570312e-02,  2.65625000e-01, -1.33789062e-01,
        -1.11328125e-01, -5.39550781e-02,  5.78613281e-02, -8.30078125e-02,
        -1.01562500e-01, -3.16406250e-01, -5.00488281e-02, -2.77099609e-02,
        -2.42614746e-03, -2.39257812e-02, -8.25195312e-02, -3.47656250e-01,
         3.11279297e-02,  5.56640625e-02, -1.80664062e-02,  1.25000000e-01,
        -2.02148438e-01, -8.69140625e-02, -1.25000000e-01,  3.39843750e-01,
         7.71484375e-02,  2.23388672e-02,  1.54296875e-01,  7.61718750e-02,
         9.96093750e-02,  1.38671875e-01, -2.81250000e-01,  2.14843750e-01,
         2.35351562e-01, -1.59179688e-01, -5.88378906e-02,  3.37890625e-01,
         2.27050781e-02,  2.17773438e-01, -1.37695312e-01, -7.32421875e-02,
        -1.81640625e-01,  4.37011719e-02, -1.30615234e-02,  3.97949219e-02,
         5.68847656e-02, -1.43554688e-01, -7.12890625e-02, -1.27929688e-01,
        -2.37304688e-01,  1.87500000e-01,  1.04980469e-01, -8.39843750e-02,
        -6.82830811e-04, -2.38281250e-01,  6.13403320e-03,  2.27539062e-01,
         1.01074219e-01,  3.39843750e-01, -1.04980469e-01,  4.95605469e-02,
        -9.81445312e-02, -1.88476562e-01, -3.76953125e-01,  1.88476562e-01,
        -4.37011719e-02,  1.97265625e-01,  2.21679688e-01,  1.86523438e-01,
        -7.56835938e-02,  1.08886719e-01, -7.71484375e-02, -2.10937500e-0
1],
       dtype=float32),
 'range': array([-0.07958984,  0.11816406, -0.15332031,  0.02856445,  0.022
82715,
         0.02966309,  0.09667969, -0.08544922,  0.19140625,  0.11767578,
        -0.11328125, -0.0703125 , -0.04956055, -0.05053711, -0.13183594,
        -0.15332031, -0.10449219,  0.16699219,  0.10205078, -0.1796875 ,
        -0.140625  , -0.23144531, -0.12792969, -0.05151367,  0.02294922,
        -0.09472656, -0.36328125,  0.04467773,  0.14648438, -0.15917969,
        -0.25      , -0.16894531, -0.05615234,  0.03857422, -0.24316406,
        -0.08740234, -0.15234375, -0.0625    , -0.08105469, -0.20507812,
         0.05761719,  0.06835938, -0.26171875, -0.04785156, -0.21289062,
        -0.2109375 ,  0.12304688, -0.07226562,  0.13671875, -0.0480957 ,
         0.21972656, -0.23144531, -0.05078125,  0.1328125 , -0.10009766,
         0.01361084,  0.23535156, -0.02624512,  0.07666016,  0.11914062,
        -0.2734375 ,  0.02770996,  0.16210938, -0.14257812,  0.05444336,
         0.02722168, -0.10888672,  0.14941406,  0.04541016,  0.25195312,
        -0.06982422, -0.26171875,  0.16113281,  0.08154297, -0.01696777,
        -0.03930664,  0.03930664,  0.04125977, -0.01147461,  0.08642578,
         0.07080078, -0.09179688, -0.05810547, -0.02526855,  0.296875  ,
         0.36328125, -0.13671875, -0.04663086,  0.15429688,  0.05810547,
         0.08837891,  0.05004883, -0.17089844,  0.14160156, -0.140625  ,
        -0.2578125 , -0.14355469, -0.04882812,  0.04125977,  0.18554688,
        -0.01269531,  0.04956055, -0.3125    ,  0.00340271,  0.21484375,
        -0.13769531,  0.07763672,  0.08007812,  0.14746094, -0.1484375 ,
         0.02722168,  0.10253906, -0.17773438,  0.12255859,  0.140625  ,
         0.06738281, -0.16992188, -0.05126953,  0.01733398, -0.20703125,
        -0.04711914, -0.12060547, -0.0213623 , -0.10351562,  0.21484375,
         0.03540039, -0.15917969, -0.05688477,  0.04052734, -0.02526855,
         0.26757812,  0.09033203,  0.04663086, -0.19824219, -0.23339844,
        -0.09814453,  0.33398438, -0.06298828,  0.0222168 , -0.02844238,
        -0.16699219,  0.0145874 , -0.01586914,  0.19726562,  0.00775146,
        -0.37109375,  0.06445312, -0.19238281,  0.01586914,  0.36132812,
         0.20996094,  0.06542969, -0.22949219, -0.11425781, -0.05834961,
        -0.14355469, -0.14941406, -0.08740234, -0.14648438,  0.04492188,
         0.01574707,  0.3046875 ,  0.25976562, -0.03222656,  0.10839844,
         0.30078125,  0.09179688,  0.15917969, -0.09277344, -0.08056641,
        -0.3671875 ,  0.05126953, -0.03881836, -0.25976562,  0.07275391,
```

```
         0.02905273, -0.04150391, -0.10253906, -0.12109375,  0.17382812,
        -0.46484375, -0.06030273,  0.08105469,  0.16894531, -0.09619141,
        -0.3046875 , -0.01660156,  0.140625  ,  0.16992188, -0.09375   ,
         0.18652344, -0.11865234,  0.17480469, -0.20410156, -0.37109375,
         0.02062988,  0.02880859, -0.06201172, -0.13769531, -0.25585938,
         0.0088501 , -0.12451172, -0.15234375,  0.11669922,  0.07519531,
        -0.01794434, -0.11816406, -0.125     , -0.10693359,  0.00646973,
        -0.05761719, -0.22558594,  0.11669922,  0.20898438, -0.03637695,
        -0.03857422,  0.08300781,  0.01062012, -0.19628906, -0.01281738,
        -0.28320312,  0.08837891, -0.2109375 , -0.19433594,  0.21777344,
        -0.04394531,  0.07568359, -0.17675781,  0.04858398, -0.09082031,
         0.16210938, -0.13964844,  0.10791016,  0.07421875,  0.04101562,
         0.23730469, -0.17480469,  0.2265625 ,  0.02038574,  0.08447266,
        -0.01794434,  0.23242188, -0.171875  , -0.10302734,  0.07910156,
         0.42578125, -0.3125    , -0.07421875,  0.13476562, -0.03759766,
        -0.05200195,  0.20605469,  0.19433594, -0.04370117,  0.21582031,
        -0.01165771,  0.01068115,  0.00360107,  0.00570679, -0.10791016,
         0.06982422, -0.0625    , -0.17285156, -0.140625  ,  0.07910156,
        -0.04370117, -0.13867188, -0.16894531, -0.03369141, -0.07714844,
        -0.14257812, -0.19824219,  0.03173828, -0.08251953,  0.31835938,
        -0.00848389, -0.04541016, -0.24804688,  0.03881836,  0.11962891,
        -0.09619141,  0.21777344, -0.04003906, -0.11376953, -0.07128906,
        -0.02075195,  0.08789062, -0.08935547,  0.00598145,  0.18457031,
         0.12597656,  0.09619141, -0.24902344, -0.07666016,  0.08007812,
         0.0032196 ,  0.29296875,  0.0088501 , -0.02758789,  0.140625  ],
       dtype=float32),
 'fee': array([ 2.59765625e-01,  9.42382812e-02,  2.10937500e-01, -3.295898
44e-02,
         7.04956055e-03,  1.06933594e-01,  2.69531250e-01,  6.22558594e-02,
         1.09863281e-01, -1.32446289e-02,  4.22363281e-02,  1.61132812e-01,
         7.03125000e-02, -1.75781250e-01, -1.35040283e-03,  4.78515625e-01,
         2.47070312e-01, -1.81640625e-01,  1.91406250e-01,  1.47460938e-01,
        -1.17187500e-01,  5.54199219e-02, -3.93066406e-02,  7.42187500e-02,
        -2.17773438e-01,  2.07031250e-01, -1.54296875e-01,  1.42578125e-01,
        -1.35742188e-01,  1.28906250e-01, -2.45361328e-02, -1.40625000e-01,
         1.71875000e-01, -4.00390625e-01,  3.04687500e-01, -3.24218750e-01,
         9.37500000e-02,  1.53320312e-01, -2.09960938e-01,  4.98046875e-02,
        -1.25122070e-02, -5.34667969e-02,  3.41796875e-01, -3.45703125e-01,
        -1.84570312e-01, -3.80859375e-01,  3.82812500e-01,  1.44531250e-01,
        -2.57812500e-01,  7.76367188e-02,  5.98144531e-02, -4.45312500e-01,
        -3.68652344e-02, -2.14843750e-01,  1.46484375e-01,  1.73828125e-01,
         3.01513672e-02, -9.17968750e-02,  1.12304688e-01, -9.86328125e-02,
         1.43554688e-01, -1.01074219e-01, -1.76757812e-01, -2.98828125e-01,
         4.10156250e-02, -3.80859375e-01, -1.72851562e-01,  1.10839844e-01,
        -6.93359375e-02,  7.76367188e-02, -7.27539062e-02, -4.56542969e-02,
         4.04296875e-01, -2.58789062e-02,  1.19018555e-02, -2.21679688e-01,
         3.35937500e-01, -2.57568359e-02, -8.78906250e-02, -5.05371094e-02,
        -1.80664062e-02, -2.51953125e-01, -3.24218750e-01,  1.60156250e-01,
         1.36718750e-01, -2.50000000e-01, -2.25585938e-01,  8.10546875e-02,
        -4.54711914e-03,  7.66601562e-02,  1.92382812e-01,  1.39648438e-01,
        -2.05078125e-02, -5.07812500e-01,  2.98828125e-01, -8.49609375e-02,
        -1.79687500e-01,  8.15429688e-02, -7.76367188e-02, -9.58251953e-03,
         1.40625000e-01, -7.22656250e-02, -6.39648438e-02,  8.93554688e-02,
         6.93359375e-02,  1.53320312e-01,  2.36328125e-01, -1.92382812e-01,
         2.12890625e-01, -6.68945312e-02,  1.32812500e-01, -1.80664062e-01,
        -3.68652344e-02, -5.63964844e-02, -8.25195312e-02,  3.78417969e-02,
         1.17675781e-01, -1.82617188e-01,  3.28125000e-01,  1.67236328e-02,
         2.85156250e-01, -1.63085938e-01, -1.48437500e-01,  4.06250000e-01,
         2.44140625e-01,  1.26342773e-02,  1.07421875e-01,  2.83203125e-01,
         5.19531250e-01,  1.48925781e-02, -1.42578125e-01, -2.89062500e-01,
        -2.75390625e-01, -2.98828125e-01, -2.05078125e-01,  4.27246094e-02,
         4.34570312e-02,  2.50000000e-01, -5.29785156e-02,  1.90429688e-01,
        -3.61328125e-01, -7.72094727e-03, -3.14941406e-02,  1.11816406e-01,
         1.75781250e-01, -5.17578125e-02,  6.64062500e-02,  3.06640625e-01,
```

```
         2.47802734e-02, -1.16699219e-01, -2.68554688e-02,  1.38671875e-01,
        -3.00781250e-01, -1.48437500e-01,  2.44140625e-01, -2.16796875e-01,
         7.61718750e-02,  1.42578125e-01, -8.98437500e-02,  9.66796875e-02,
        -1.57226562e-01, -1.15234375e-01,  1.57226562e-01,  1.85546875e-01,
        -5.81054688e-02,  8.74023438e-02,  1.75781250e-01, -2.91015625e-01,
        -1.40625000e-01, -3.75747681e-04, -2.88085938e-02, -2.37304688e-01,
         1.84570312e-01,  1.53320312e-01, -1.02539062e-01, -2.69531250e-01,
         2.16796875e-01, -2.16796875e-01, -3.06640625e-01,  2.42187500e-01,
        -7.37304688e-02, -2.75390625e-01,  1.99218750e-01,  2.98828125e-01,
        -1.00097656e-01, -2.83203125e-02,  3.78906250e-01,  2.30468750e-01,
         7.51953125e-02,  7.86132812e-02, -2.79296875e-01,  8.69140625e-02,
        -2.20703125e-01,  1.25000000e-01, -2.77343750e-01,  4.51660156e-02,
        -1.87500000e-01, -1.79687500e-01, -2.34375000e-01, -1.25122070e-02,
         2.30468750e-01, -6.98242188e-02, -1.82617188e-01, -7.81250000e-02,
        -3.07617188e-02,  1.26953125e-01, -4.44335938e-02,  5.46875000e-02,
         3.14453125e-01,  6.98242188e-02,  1.83593750e-01,  2.35351562e-01,
        -4.63867188e-02,  4.73632812e-02, -2.48046875e-01,  3.22265625e-01,
        -2.32421875e-01,  2.71484375e-01, -1.89453125e-01, -2.23632812e-01,
         4.39453125e-02,  1.33789062e-01,  3.24218750e-01, -3.93066406e-02,
        -9.13085938e-02, -1.16210938e-01,  2.94921875e-01, -2.94921875e-01,
         4.23828125e-01,  4.85839844e-02,  4.24804688e-02, -3.53515625e-01,
         2.00195312e-01,  1.36718750e-01, -9.66796875e-02,  2.38281250e-01,
         2.67578125e-01, -4.17480469e-02, -6.39648438e-02,  2.50000000e-01,
         1.90429688e-01, -1.28906250e-01,  8.74023438e-02, -6.64062500e-02,
        -5.24902344e-02, -5.00488281e-03,  5.88378906e-02,  1.52343750e-01,
        -1.43554688e-01, -1.39648438e-01,  2.21679688e-01,  6.29882812e-02,
        -1.19140625e-01,  1.25976562e-01,  5.10253906e-02,  1.66015625e-01,
         1.56250000e-01,  2.46093750e-01, -3.43750000e-01,  1.00097656e-01,
         4.34570312e-02,  1.14746094e-02, -6.29882812e-02, -2.08984375e-01,
        -3.78417969e-03,  7.27539062e-02, -2.36328125e-01, -6.00585938e-02,
         1.75781250e-01, -1.50390625e-01,  1.84570312e-01,  4.88281250e-03,
         6.17675781e-02,  1.00708008e-02,  1.87500000e-01,  2.59765625e-01,
         7.91015625e-02,  1.87500000e-01,  4.95605469e-02, -4.02832031e-02,
        -1.66015625e-02,  2.57812500e-01,  2.67578125e-01,  2.49023438e-01,
        -4.66308594e-02,  4.78515625e-02, -1.01074219e-01,  3.35937500e-01,
         1.66015625e-02,  1.02539062e-01, -2.43164062e-01,  1.50390625e-01,
         6.73828125e-02,  1.00097656e-01,  9.26971436e-04,  3.61328125e-01,
         1.28906250e-01, -1.74804688e-01, -1.03027344e-01, -2.27539062e-0
1],
       dtype=float32),
 'owned': array([-1.60156250e-01, -1.28906250e-01,  1.06933594e-01, -2.2656
2500e-01,
        -2.96020508e-03, -2.25585938e-01,  5.78613281e-02, -9.57031250e-02,
         3.76953125e-01, -1.41906738e-03,  2.21679688e-01,  1.73187256e-03,
        -2.83203125e-01, -1.81640625e-01, -6.49414062e-02,  1.43432617e-02,
        -1.17187500e-01,  1.61132812e-01, -1.88476562e-01,  2.41210938e-01,
        -4.15039062e-02,  7.51953125e-02,  8.30078125e-02,  4.02832031e-02,
         1.21093750e-01,  2.53906250e-01, -4.58984375e-01,  1.93359375e-01,
        -2.04101562e-01,  6.25610352e-03,  1.66992188e-01, -1.33789062e-01,
        -9.76562500e-02,  2.38281250e-01,  1.30859375e-01,  1.13281250e-01,
         8.34960938e-02, -9.47265625e-02, -9.86328125e-02,  1.82617188e-01,
         2.61718750e-01,  7.61718750e-02, -2.33154297e-02, -1.42578125e-01,
         9.96093750e-02, -9.81445312e-02,  1.31225586e-03,  1.59179688e-01,
        -1.06445312e-01, -2.74658203e-02,  7.32421875e-02,  4.90722656e-02,
         1.05957031e-01, -2.07031250e-01, -1.18652344e-01,  1.80664062e-01,
         6.25000000e-02, -1.13677979e-03, -4.68750000e-02, -3.10058594e-02,
         8.49609375e-02,  5.71289062e-02,  7.66601562e-02,  1.17187500e-02,
        -8.74023438e-02,  1.28906250e-01,  3.19824219e-02, -1.15234375e-01,
         2.62451172e-02,  8.59375000e-02,  1.25000000e-01, -1.73828125e-01,
         5.63964844e-02, -1.30859375e-01,  1.63574219e-02,  2.11181641e-02,
        -1.27929688e-01,  6.59179688e-02, -2.36816406e-02, -1.64794922e-02,
         2.25585938e-01, -2.92968750e-01,  1.81640625e-01,  2.10937500e-01,
        -7.37304688e-02, -8.83789062e-02, -6.34765625e-02,  1.63085938e-01,
        -1.05957031e-01, -8.93554688e-02, -1.13769531e-01,  2.41699219e-02,
```

```
        -8.25195312e-02,  2.75390625e-01,  1.60156250e-01,  1.20849609e-02,
        -1.36718750e-01, -1.04492188e-01, -2.03125000e-01,  4.51660156e-02,
         1.70898438e-01, -1.44531250e-01,  1.39160156e-02,  9.37500000e-02,
         2.05078125e-01, -8.10546875e-02, -2.77099609e-02,  2.69531250e-01,
         1.25732422e-02, -4.68750000e-02,  8.78906250e-02, -6.64062500e-02,
        -7.95898438e-02, -1.44531250e-01, -2.03125000e-01, -9.03320312e-02,
         8.10546875e-02, -1.09375000e-01,  2.73437500e-01,  9.47265625e-02,
         1.91650391e-02,  5.41992188e-02,  1.79687500e-01, -1.62109375e-01,
        -1.32812500e-01, -1.56250000e-01,  1.60980225e-03,  7.86132812e-02,
         9.91210938e-02, -1.43554688e-01, -7.03125000e-02,  2.77343750e-01,
         2.37304688e-01,  7.81250000e-02, -6.83593750e-02,  1.15722656e-01,
        -3.63281250e-01,  1.42578125e-01, -1.89453125e-01,  1.11816406e-01,
        -1.66015625e-02, -9.96093750e-02, -3.17382812e-02, -1.47460938e-01,
         1.00708008e-02, -2.32421875e-01, -5.02929688e-02, -7.95898438e-02,
         2.21679688e-01, -4.34570312e-02,  2.75390625e-01,  2.21679688e-01,
         5.12695312e-02,  4.19921875e-02, -4.32128906e-02,  1.60156250e-01,
        -5.73730469e-02, -4.71191406e-02,  1.17187500e-01,  1.01928711e-02,
        -1.67236328e-02,  1.78710938e-01,  4.76074219e-02,  7.61718750e-02,
         1.56250000e-01,  2.56347656e-02, -9.61914062e-02, -1.87500000e-01,
         3.81469727e-03, -2.05078125e-01, -6.93359375e-02, -6.73828125e-02,
         3.14453125e-01, -3.08593750e-01,  7.37304688e-02, -1.62353516e-02,
         2.28515625e-01, -1.88476562e-01, -1.07421875e-02, -7.50732422e-03,
        -1.25976562e-01, -1.21582031e-01, -3.04687500e-01, -1.18652344e-01,
        -2.57568359e-02, -1.95312500e-01,  9.61914062e-02,  1.25000000e-01,
        -5.73730469e-02, -9.52148438e-03, -1.27929688e-01, -6.72340393e-05,
        -3.44238281e-02,  5.56640625e-02, -1.50390625e-01,  2.99072266e-02,
         5.52368164e-03,  1.95312500e-01,  2.32421875e-01,  1.68457031e-02,
         2.26562500e-01,  1.68945312e-01, -1.48773193e-03, -6.07910156e-02,
        -3.14453125e-01,  7.03125000e-02,  1.07910156e-01,  6.44531250e-02,
         1.76757812e-01, -6.68945312e-02,  1.28906250e-01,  8.30078125e-02,
         2.12890625e-01,  4.17968750e-01,  3.88671875e-01,  2.98828125e-01,
         9.08203125e-02, -1.38671875e-01, -1.42578125e-01,  1.50146484e-02,
        -4.17480469e-02,  3.39843750e-01, -8.64257812e-02,  2.75878906e-02,
        -7.66601562e-02,  3.54003906e-02, -1.08642578e-02,  6.83593750e-02,
        -3.33984375e-01, -1.83593750e-01,  1.10839844e-01, -1.81640625e-01,
        -3.11279297e-02,  3.45703125e-01,  1.23046875e-01,  1.04003906e-01,
         4.00390625e-01, -2.40478516e-02,  1.61132812e-01,  9.22851562e-02,
        -1.48437500e-01, -3.14453125e-01, -1.12304688e-01,  8.59375000e-02,
         6.59179688e-02, -3.27148438e-02,  3.14453125e-01,  1.65039062e-01,
         1.52343750e-01, -4.27734375e-01, -9.94873047e-03, -1.53808594e-02,
         6.03027344e-02,  9.71679688e-02,  2.59765625e-01, -6.17675781e-02,
        -1.52343750e-01, -3.41796875e-02, -1.46484375e-01,  2.73437500e-01,
        -1.57226562e-01,  3.11279297e-02,  2.43164062e-01,  1.84326172e-02,
         6.83593750e-02,  1.89453125e-01, -1.40625000e-01,  1.99218750e-01,
         1.56250000e-01,  2.91015625e-01, -1.91406250e-01,  1.16210938e-01,
         5.07812500e-02, -5.32226562e-02, -1.66992188e-01, -2.12890625e-01,
        -2.61718750e-01, -1.68945312e-01, -4.71191406e-02, -2.27539062e-01,
        -2.55859375e-01,  4.56542969e-02,  4.54101562e-02,  6.22558594e-02,
         9.71679688e-02, -1.58203125e-01,  2.91748047e-02,  3.08593750e-01,
         8.30078125e-02, -1.17675781e-01, -2.49023438e-01,  1.50390625e-01,
        -2.79296875e-01,  1.05468750e-01, -8.78906250e-03,  4.56542969e-02,
        -1.90429688e-01, -5.34667969e-02, -6.83593750e-02, -1.98242188e-0
1],
       dtype=float32),
 'award': array([-2.16796875e-01,  7.08007812e-02, -1.18652344e-01,  2.9101
5625e-01,
         4.17968750e-01,  1.41601562e-02,  2.34375000e-01, -2.71484375e-01,
         1.03515625e-01,  5.46875000e-02, -1.14257812e-01,  1.63574219e-02,
         1.83593750e-01, -1.55273438e-01,  1.47460938e-01,  2.91015625e-01,
         1.24511719e-01, -1.22070312e-02, -4.56542969e-02,  2.89916992e-04,
         6.22558594e-02,  3.33984375e-01, -2.85156250e-01, -1.09375000e-01,
         2.29492188e-01, -2.57812500e-01,  4.44335938e-02,  4.02832031e-02,
        -1.30615234e-02,  4.98046875e-02,  6.12792969e-02, -1.58203125e-01,
        -3.54003906e-02, -1.15722656e-01,  5.23437500e-01, -1.23535156e-01,
```

```
 1.07421875e-01, -3.01513672e-02,  7.61718750e-02,  1.89453125e-01,
 9.13085938e-02,  1.25000000e-01, -3.44238281e-02,  2.29492188e-01,
-7.47070312e-02,  5.37109375e-02, -5.68847656e-02, -2.10937500e-01,
 7.99560547e-03,  1.58203125e-01, -1.01074219e-01,  4.41894531e-02,
 2.08984375e-01, -4.69970703e-03,  6.29882812e-02, -1.06933594e-01,
 1.65039062e-01, -7.42187500e-02,  3.83300781e-02,  3.44238281e-02,
 4.00390625e-02,  1.25976562e-01,  3.17382812e-02, -2.08007812e-01,
-9.22851562e-02,  6.80541992e-03,  2.19726562e-02,  6.73828125e-02,
 1.50390625e-01,  7.03125000e-02, -1.45507812e-01, -2.51953125e-01,
 9.91210938e-02,  2.96020508e-03, -1.14257812e-01, -1.40625000e-01,
 2.63671875e-01,  2.50000000e-01, -4.02832031e-03, -1.04370117e-02,
 1.38671875e-01, -3.06640625e-01,  6.44531250e-02,  8.64257812e-02,
 1.89208984e-02, -3.26171875e-01, -5.17578125e-02,  9.32617188e-02,
-2.25585938e-01, -8.93554688e-02,  1.46484375e-01,  1.05468750e-01,
-2.01171875e-01, -1.34765625e-01,  7.91015625e-02,  2.11914062e-01,
-2.48046875e-01,  1.49414062e-01,  2.19726562e-01, -1.38671875e-01,
-8.88671875e-02,  1.49414062e-01, -1.18164062e-01, -1.74560547e-02,
-6.73828125e-02, -2.21679688e-01, -7.37304688e-02, -1.63085938e-01,
-7.37304688e-02,  5.12695312e-02,  1.41601562e-01,  3.41796875e-02,
 1.18408203e-02,  1.31835938e-01,  3.29589844e-02, -2.96875000e-01,
-1.38671875e-01,  7.72094727e-03,  8.83789062e-02, -1.66015625e-01,
 1.31835938e-01,  9.61914062e-02, -1.15722656e-01,  2.01416016e-02,
 4.12597656e-02,  1.49414062e-01,  1.04003906e-01, -1.69677734e-02,
-2.18505859e-02,  8.72802734e-03,  3.17382812e-02, -1.68945312e-01,
-1.82617188e-01,  7.08007812e-02, -2.08984375e-01,  1.30859375e-01,
-7.42187500e-02,  2.20703125e-01,  1.42578125e-01,  2.08007812e-01,
-2.98828125e-01,  1.21582031e-01,  1.62109375e-01, -1.05957031e-01,
-3.45703125e-01, -2.69531250e-01, -1.59179688e-01, -7.95898438e-02,
 1.72851562e-01, -7.81250000e-02, -7.76367188e-02,  9.76562500e-02,
 2.02148438e-01,  1.44531250e-01,  1.37329102e-02, -2.01171875e-01,
 1.25732422e-02, -3.61328125e-02, -9.66796875e-02, -1.89453125e-01,
-6.05468750e-02,  4.98046875e-02, -6.54296875e-02,  2.28515625e-01,
-3.67187500e-01, -1.12304688e-01, -4.37011719e-02, -2.75390625e-01,
-3.18359375e-01,  2.15820312e-01, -2.79541016e-02, -2.08984375e-01,
-1.63085938e-01, -1.74804688e-01, -1.84570312e-01, -2.04101562e-01,
 1.12304688e-01, -1.35742188e-01, -1.94335938e-01, -1.13281250e-01,
-2.09960938e-01,  9.71679688e-02, -1.38549805e-02, -2.73437500e-01,
-5.71289062e-02,  9.91210938e-02, -8.54492188e-02, -1.39770508e-02,
-2.00195312e-01,  2.57812500e-01,  4.34570312e-02, -2.62451172e-02,
 2.33398438e-01, -1.71875000e-01, -1.61132812e-01, -2.04101562e-01,
 2.12890625e-01,  1.25976562e-01, -7.22656250e-02, -3.80859375e-02,
-1.16210938e-01, -1.08032227e-02, -7.08007812e-02,  2.20703125e-01,
-2.77099609e-02,  2.49023438e-01,  1.19628906e-01,  1.58203125e-01,
 8.44726562e-02, -5.34667969e-02,  2.73437500e-01, -1.16699219e-01,
-1.19628906e-01, -5.17578125e-02,  1.13769531e-01,  4.12109375e-01,
 1.47460938e-01,  1.41601562e-01,  5.00488281e-02, -1.93359375e-01,
 5.49316406e-02,  5.66406250e-02, -1.87500000e-01,  1.80664062e-01,
-7.32421875e-02,  9.66796875e-02,  8.00781250e-02, -8.83789062e-02,
-1.22680664e-02, -1.25000000e-01,  1.20117188e-01, -2.29492188e-02,
-1.66992188e-01, -2.66113281e-02, -2.53906250e-02, -2.27539062e-01,
-5.71289062e-02, -9.08203125e-02,  1.62109375e-01,  2.23632812e-01,
-3.78906250e-01, -3.78906250e-01,  1.37695312e-01, -1.30859375e-01,
-1.91406250e-01,  1.05468750e-01,  1.47460938e-01,  5.85937500e-02,
 3.73840332e-03, -3.04687500e-01,  1.17675781e-01, -1.44531250e-01,
-2.30468750e-01,  5.22460938e-02, -1.21582031e-01,  2.71484375e-01,
-1.01318359e-02,  1.95312500e-03, -3.08593750e-01,  1.19140625e-01,
-6.34765625e-02,  4.04296875e-01, -2.77343750e-01, -9.22851562e-02,
 1.57226562e-01,  5.39550781e-02, -6.59179688e-02, -2.51464844e-02,
-1.26953125e-01, -1.06933594e-01, -1.44531250e-01, -3.20312500e-01,
-4.83398438e-02, -3.99780273e-03,  2.61718750e-01,  1.04980469e-01,
-1.80664062e-01,  1.93359375e-01, -4.55078125e-01,  2.74658203e-02,
-1.95312500e-01,  6.34765625e-02,  8.34960938e-02,  1.32446289e-02,
-1.45507812e-01,  4.00390625e-01, -7.03125000e-02, -7.04956055e-03,
 3.49121094e-02,  1.01074219e-01,  5.56640625e-02,  3.68652344e-02,
```

```
        -2.04101562e-01, -2.06054688e-01,  1.96533203e-02,  3.29589844e-02,
        -2.67333984e-02,  2.94921875e-01, -6.59179688e-02,  2.61718750e-0
1],
       dtype=float32),
 'georgia': array([-0.09960938, -0.25      ,  0.00460815,  0.43945312,  0.2
34375  ,
         0.03833008, -0.10253906,  0.04125977, -0.33789062,  0.15527344,
        -0.27734375, -0.13769531, -0.11083984, -0.16308594, -0.03955078,
         0.4375    , -0.06933594,  0.1796875 ,  0.10888672, -0.18652344,
         0.171875  , -0.12207031,  0.24511719,  0.03222656, -0.34960938,
         0.05444336, -0.43164062,  0.23535156, -0.05664062, -0.13769531,
         0.29882812,  0.23242188, -0.15332031, -0.421875  , -0.01080322,
        -0.08496094, -0.3671875 ,  0.05175781,  0.265625  , -0.08349609,
        -0.08886719, -0.16210938,  0.24023438,  0.10742188,  0.30859375,
         0.04394531,  0.03344727, -0.01190186, -0.24707031, -0.04882812,
        -0.09960938,  0.25976562,  0.41601562,  0.08789062, -0.02954102,
        -0.12451172, -0.57421875, -0.10400391,  0.01586914, -0.16308594,
        -0.2578125 , -0.13574219,  0.09423828,  0.125     , -0.00964355,
        -0.18945312,  0.06982422, -0.10302734, -0.09814453,  0.078125  ,
         0.10644531,  0.08496094, -0.22753906, -0.04174805, -0.23046875,
        -0.06982422,  0.29882812, -0.09277344, -0.22753906,  0.22363281,
        -0.34179688,  0.16992188, -0.13671875, -0.16796875,  0.33007812,
         0.24316406,  0.01123047, -0.02954102, -0.03125   , -0.02001953,
        -0.16699219,  0.01495361, -0.25585938, -0.171875  , -0.22363281,
         0.48242188,  0.08251953,  0.12304688,  0.15039062,  0.25585938,
        -0.421875  ,  0.29296875,  0.01434326, -0.01525879, -0.15039062,
         0.09130859, -0.38671875, -0.00708008,  0.05151367, -0.13671875,
        -0.25      , -0.2109375 ,  0.13867188, -0.00848389, -0.04223633,
         0.11767578, -0.05371094,  0.03149414, -0.19628906,  0.08447266,
        -0.04467773, -0.0456543 , -0.14648438, -0.03271484,  0.51953125,
         0.10205078, -0.03857422,  0.11962891,  0.23339844,  0.00158691,
        -0.06835938, -0.08837891, -0.05126953,  0.1953125 , -0.0859375 ,
         0.01141357, -0.39453125,  0.04931641,  0.23730469, -0.0546875 ,
         0.1640625 , -0.21875   ,  0.08544922, -0.06347656, -0.27929688,
        -0.05932617, -0.07177734, -0.11865234, -0.06445312, -0.18164062,
         0.12890625, -0.16503906, -0.16015625, -0.06933594, -0.52734375,
        -0.24511719,  0.46679688,  0.28125   , -0.15332031,  0.31640625,
         0.05419922, -0.01928711,  0.09277344, -0.13476562,  0.30078125,
        -0.29492188,  0.0534668 , -0.296875  , -0.27148438,  0.2265625 ,
        -0.46289062,  0.06689453,  0.11083984, -0.04589844,  0.13769531,
        -0.22265625,  0.1015625 , -0.20410156,  0.34765625, -0.328125  ,
        -0.14453125, -0.22558594, -0.07128906,  0.11669922, -0.10302734,
         0.26367188,  0.01782227,  0.11767578,  0.27734375,  0.09960938,
         0.36132812,  0.03344727, -0.05273438, -0.1875    ,  0.26367188,
         0.31640625, -0.13574219, -0.20117188,  0.31445312, -0.25585938,
        -0.07275391,  0.03662109,  0.10986328, -0.01586914, -0.02270508,
        -0.20019531,  0.1953125 , -0.47460938, -0.26953125,  0.41601562,
         0.25390625,  0.23730469, -0.2578125 , -0.10351562, -0.23828125,
         0.07421875,  0.11523438, -0.15332031, -0.12988281, -0.03466797,
         0.08447266, -0.36523438,  0.43554688, -0.00171661,  0.03540039,
        -0.04467773,  0.48046875,  0.06933594, -0.12890625, -0.00738525,
         0.26367188, -0.03112793,  0.2890625 , -0.21289062, -0.14941406,
         0.18652344,  0.06347656, -0.08740234,  0.06298828,  0.140625  ,
         0.28515625, -0.06494141, -0.10205078,  0.03466797, -0.29101562,
         0.27734375, -0.09765625,  0.20996094,  0.01049805, -0.15917969,
         0.02026367,  0.19921875,  0.22558594,  0.05786133,  0.25585938,
        -0.3125    , -0.01904297, -0.0703125 ,  0.34570312, -0.10644531,
        -0.1640625 , -0.05664062,  0.08496094, -0.04077148,  0.140625  ,
        -0.08300781, -0.23535156,  0.03759766, -0.04223633, -0.16601562,
        -0.14453125,  0.18945312,  0.09472656,  0.07519531, -0.12792969,
        -0.01818848,  0.06933594, -0.21484375, -0.39257812,  0.16015625,
        -0.30859375,  0.07910156,  0.203125  ,  0.29296875, -0.390625  ,
        -0.14746094, -0.16308594,  0.14355469,  0.26757812,  0.14746094,
        -0.05517578,  0.31835938, -0.0016861 ,  0.18945312,  0.14941406,
```

```
        -0.33789062, -0.1484375 ,  0.04980469, -0.07177734,  0.00253296],
       dtype=float32),
 'small': array([ 1.59179688e-01,  9.57031250e-02, -1.25000000e-01,  1.0253
9062e-01,
        -3.61328125e-02, -2.29492188e-01,  9.61914062e-02, -1.49414062e-01,
         1.59912109e-02,  1.41601562e-01,  3.97949219e-02, -1.14257812e-01,
        -8.20312500e-02,  1.40991211e-02, -8.88671875e-02,  6.19506836e-03,
        -1.07421875e-01,  4.06250000e-01, -2.71484375e-01,  7.61718750e-02,
        -8.83789062e-02,  4.37011719e-02, -1.71875000e-01,  2.39257812e-02,
        -1.23535156e-01, -4.37011719e-02, -1.78710938e-01,  1.72424316e-03,
         5.71289062e-02, -7.17773438e-02, -1.59179688e-01, -3.06396484e-02,
         7.27539062e-02, -1.21582031e-01, -5.22460938e-02, -1.84570312e-01,
         3.54003906e-02,  9.76562500e-02,  1.22680664e-02,  8.30078125e-02,
         6.12792969e-02,  2.53906250e-01,  2.06298828e-02,  1.37329102e-02,
        -2.84423828e-02,  6.07910156e-02, -7.71484375e-02,  5.51757812e-02,
         2.84423828e-02, -2.27539062e-01, -1.53350830e-03, -1.41601562e-01,
         5.34667969e-02, -9.42382812e-02, -1.48437500e-01,  1.87988281e-02,
         5.56640625e-02, -2.25830078e-02, -3.08837891e-02, -8.54492188e-02,
         7.81250000e-03,  2.81250000e-01, -2.34375000e-01, -2.34375000e-01,
         9.27734375e-02, -1.00585938e-01,  3.46679688e-02,  1.26953125e-01,
        -2.49023438e-02,  1.92382812e-01,  1.02050781e-01, -1.75781250e-01,
         1.38671875e-01,  5.72204590e-05, -2.75390625e-01,  5.81054688e-02,
        -4.66308594e-02,  3.80859375e-02, -9.32617188e-02, -1.35498047e-02,
         1.06933594e-01, -4.00390625e-02, -9.66796875e-02,  9.61914062e-02,
        -1.29882812e-01, -2.67578125e-01, -1.23046875e-01,  1.52343750e-01,
         2.17773438e-01,  6.88476562e-02, -9.17968750e-02, -2.73437500e-02,
        -2.58789062e-02, -8.83789062e-02, -5.66406250e-02,  1.32812500e-01,
        -8.23974609e-03, -1.37695312e-01, -2.08007812e-01, -1.08886719e-01,
        -7.81250000e-02, -7.27539062e-02,  2.01416016e-02, -1.04980469e-01,
         4.22363281e-02,  1.82617188e-01,  1.60156250e-01,  1.27929688e-01,
         2.75390625e-01, -2.24609375e-01,  2.00195312e-02, -1.35742188e-01,
        -1.20117188e-01, -8.25195312e-02,  2.70996094e-02,  2.62451172e-02,
         9.13085938e-02,  1.00708008e-02,  2.05078125e-01,  7.86132812e-02,
         1.70898438e-02, -8.54492188e-02, -1.83593750e-01, -5.85937500e-02,
        -4.80957031e-02,  1.82617188e-01,  5.20019531e-02, -8.10546875e-02,
         9.71679688e-02,  7.81250000e-03,  6.31713867e-03,  2.89306641e-02,
         1.45507812e-01,  2.46093750e-01,  1.70898438e-01,  6.15234375e-02,
        -3.00292969e-02, -7.08007812e-02,  5.39550781e-02, -1.89453125e-01,
        -7.66601562e-02, -1.79687500e-01,  1.13281250e-01, -1.14746094e-01,
         1.74713135e-03, -8.69140625e-02, -1.74804688e-01, -3.22265625e-02,
         3.08837891e-02, -2.78320312e-02,  7.20214844e-03, -9.96093750e-02,
        -1.40625000e-01,  7.47070312e-02, -1.35498047e-02,  2.84423828e-02,
         5.56640625e-02,  6.34765625e-02, -1.67968750e-01,  1.05957031e-01,
        -1.10839844e-01,  7.03125000e-02, -1.00585938e-01, -7.12890625e-02,
         3.12500000e-01, -6.59179688e-02,  1.51367188e-01, -1.80664062e-02,
        -4.73632812e-02, -2.19726562e-01, -1.75781250e-01, -1.47460938e-01,
        -1.13525391e-02, -1.92382812e-01,  5.02929688e-02,  4.66308594e-02,
         1.43554688e-01,  8.00781250e-02, -2.97851562e-02,  1.39648438e-01,
         4.32128906e-02, -1.97265625e-01, -1.76757812e-01, -1.63269043e-03,
        -1.22558594e-01, -5.41992188e-02,  3.14941406e-02,  2.91442871e-03,
         2.81982422e-02,  9.66796875e-02, -5.07812500e-02, -1.04980469e-02,
        -6.98242188e-02, -1.29882812e-01, -1.80664062e-01, -2.70996094e-02,
        -1.58203125e-01, -2.13867188e-01,  3.02124023e-03, -6.15234375e-02,
         2.08007812e-01,  1.38671875e-01,  1.61132812e-01, -1.79687500e-01,
        -4.42504883e-03, -6.34765625e-02,  6.89697266e-03, -4.45556641e-03,
        -2.11914062e-01, -1.66015625e-01, -6.88476562e-02,  8.10546875e-02,
        -2.79541016e-02,  3.90625000e-02, -7.17773438e-02,  2.00195312e-01,
         1.71875000e-01, -8.59375000e-02, -1.39648438e-01,  5.02929688e-02,
         1.54296875e-01,  2.18750000e-01, -2.02148438e-01, -2.89062500e-01,
        -2.75390625e-01, -9.81445312e-02,  1.82617188e-01,  3.10058594e-02,
         1.00097656e-02, -3.41796875e-02,  6.34765625e-02, -2.53906250e-02,
        -2.83203125e-02,  1.19628906e-01, -1.12304688e-01, -1.93359375e-01,
         4.56542969e-02,  1.51367188e-02, -4.10156250e-02,  4.76074219e-02,
         7.12890625e-02, -7.17163086e-03, -6.29882812e-02,  3.19824219e-02,
```

```
         7.32421875e-02, -2.39257812e-01,  9.13085938e-02, -4.37011719e-02,
         1.45507812e-01, -1.13281250e-01,  1.73339844e-02, -9.88769531e-03,
         3.02734375e-01, -1.98974609e-02,  1.58203125e-01,  6.44531250e-02,
         1.69677734e-02,  5.66406250e-02, -1.23535156e-01,  6.15234375e-02,
         9.88769531e-03, -2.61718750e-01, -1.23046875e-01,  1.22558594e-01,
        -8.64257812e-02,  4.71191406e-02, -1.09863281e-01,  3.24707031e-02,
        -2.06054688e-01, -3.36914062e-02, -3.12805176e-03,  1.11816406e-01,
         5.02929688e-02, -4.02832031e-02, -1.37939453e-02, -2.26562500e-01,
         3.41796875e-02, -1.23535156e-01,  1.10351562e-01, -1.64062500e-01,
        -8.78906250e-02,  9.70458984e-03,  1.35742188e-01, -3.19824219e-02,
        -1.91406250e-01, -1.31225586e-03, -3.02734375e-01,  2.03857422e-02,
        -1.87500000e-01,  5.46264648e-03, -1.76757812e-01, -1.49536133e-02,
        -2.77099609e-02, -1.39648438e-01,  1.90429688e-02,  1.25976562e-01,
         1.20849609e-02,  2.91015625e-01,  2.41699219e-02, -1.13281250e-0
1],
       dtype=float32),
 'persons': array([ 0.15917969, -0.16210938,  0.05688477,  0.12402344, -0.0
8349609,
        -0.13378906, -0.08984375,  0.24121094, -0.06982422, -0.28515625,
         0.12890625, -0.0859375 , -0.11181641,  0.09667969, -0.04882812,
        -0.01550293, -0.06591797,  0.01422119, -0.20507812,  0.10058594,
         0.09716797, -0.44921875, -0.07080078, -0.17089844,  0.08203125,
        -0.06347656, -0.10205078,  0.04663086, -0.07519531, -0.11328125,
        -0.07373047, -0.2109375 , -0.19921875,  0.27734375, -0.21679688,
         0.125     , -0.10986328, -0.30273438, -0.20996094, -0.05151367,
        -0.08251953,  0.24804688,  0.13378906,  0.14257812,  0.22753906,
        -0.20996094, -0.109375  , -0.10107422, -0.0625    , -0.16699219,
         0.13671875, -0.00753784,  0.21777344,  0.109375  , -0.07568359,
        -0.12597656, -0.03271484, -0.11132812, -0.00842285, -0.15722656,
         0.13378906,  0.17578125, -0.1875    , -0.15527344,  0.05444336,
        -0.04589844,  0.07421875,  0.28515625,  0.03039551, -0.09326172,
        -0.13085938, -0.1796875 ,  0.25585938,  0.19628906, -0.02636719,
        -0.171875  , -0.03588867, -0.1953125 , -0.01757812,  0.23828125,
         0.15429688, -0.11962891, -0.01550293,  0.12695312, -0.06298828,
         0.12402344,  0.08984375, -0.19726562,  0.16503906, -0.09033203,
         0.12988281, -0.05224609,  0.04150391, -0.16015625,  0.140625  ,
        -0.02978516,  0.22070312,  0.05737305,  0.25976562, -0.07958984,
         0.02929688, -0.12890625,  0.16992188,  0.02160645,  0.10253906,
        -0.07617188,  0.06542969,  0.06201172,  0.37109375, -0.07128906,
        -0.140625  , -0.01116943, -0.0456543 , -0.0390625 ,  0.02697754,
         0.17382812,  0.15917969, -0.20019531,  0.12207031,  0.07324219,
        -0.05566406,  0.3515625 , -0.28515625, -0.21972656, -0.27734375,
         0.17675781,  0.22363281,  0.06445312, -0.00588989,  0.328125  ,
        -0.06347656,  0.00494385, -0.13964844, -0.265625  , -0.13574219,
        -0.23144531,  0.00970459, -0.14160156,  0.08837891, -0.15820312,
         0.20898438,  0.06445312, -0.13476562,  0.14453125, -0.10888672,
         0.24023438, -0.09472656,  0.02453613, -0.24902344,  0.15039062,
         0.3515625 , -0.21289062, -0.30664062, -0.03857422,  0.04321289,
        -0.14160156, -0.09960938, -0.078125  , -0.01452637, -0.1015625 ,
        -0.06787109,  0.09033203, -0.17285156,  0.15429688, -0.07910156,
         0.05322266, -0.15332031,  0.36523438,  0.06445312, -0.12988281,
         0.03295898,  0.02307129, -0.00454712, -0.20996094,  0.10302734,
        -0.26171875,  0.08300781, -0.18652344, -0.125     , -0.26171875,
         0.25585938,  0.02514648, -0.16601562, -0.20800781, -0.04663086,
         0.25      ,  0.19335938, -0.00680542,  0.1484375 ,  0.15234375,
        -0.265625  , -0.01574707, -0.18847656,  0.22070312,  0.0703125 ,
        -0.04736328, -0.05029297,  0.11230469, -0.04956055, -0.00976562,
         0.06640625,  0.10595703, -0.14355469, -0.04125977, -0.20214844,
        -0.31054688, -0.07568359, -0.16113281,  0.18359375, -0.09082031,
        -0.03759766, -0.20898438, -0.14746094,  0.01464844, -0.17675781,
         0.06152344, -0.24804688,  0.07714844, -0.42773438, -0.00334167,
         0.01831055, -0.16503906,  0.06640625, -0.02758789,  0.1875    ,
         0.13378906,  0.27539062,  0.05566406,  0.05883789, -0.12207031,
        -0.05151367,  0.12451172, -0.16601562,  0.34765625, -0.24023438,
```

```
        -0.17285156,  0.37109375, -0.0088501 ,  0.13769531, -0.0246582 ,
         0.11181641,  0.02319336,  0.00866699, -0.04638672,  0.08300781,
         0.3359375 , -0.08251953,  0.22558594, -0.04492188,  0.03662109,
         0.31835938,  0.11230469, -0.10693359, -0.09521484,  0.17578125,
        -0.11474609,  0.00878906,  0.06738281,  0.14648438,  0.01116943,
         0.13476562, -0.35546875,  0.10302734, -0.05981445,  0.08984375,
         0.34179688,  0.08105469,  0.29101562, -0.11083984, -0.06738281,
        -0.1796875 ,  0.16015625,  0.07861328,  0.21191406,  0.03955078,
         0.04223633,  0.17382812, -0.06884766, -0.04638672,  0.3046875 ,
        -0.23242188, -0.16894531, -0.17285156,  0.13964844, -0.01373291,
        -0.01318359, -0.21484375, -0.32226562,  0.04614258,  0.09863281,
         0.0534668 ,  0.12597656, -0.13769531, -0.15625   ,  0.34570312,
         0.10009766, -0.21386719, -0.18164062,  0.05981445, -0.09033203],
       dtype=float32),
 'us': array([ 0.02990723,  0.05639648,  0.0037384 ,  0.22851562, -0.079101
56,
         0.00860596,  0.00787354, -0.13769531, -0.34765625,  0.09619141,
        -0.20507812, -0.12109375,  0.02758789, -0.0703125 , -0.296875  ,
         0.21582031,  0.12451172,  0.05004883, -0.0111084 ,  0.13964844,
         0.10498047,  0.08935547,  0.17773438,  0.08056641,  0.3046875 ,
         0.18945312,  0.07373047, -0.14648438,  0.03735352, -0.16503906,
         0.125     ,  0.08007812,  0.00469971, -0.02429199,  0.10498047,
        -0.11572266, -0.09472656, -0.07763672,  0.21875   ,  0.20800781,
         0.07177734, -0.09765625,  0.15136719, -0.16015625,  0.14355469,
         0.03076172,  0.01037598, -0.15429688, -0.04199219, -0.02636719,
         0.01171875,  0.0201416 ,  0.09765625,  0.06787109,  0.0559082 ,
        -0.07861328,  0.01367188, -0.04052734,  0.09863281, -0.02111816,
        -0.06347656, -0.00646973, -0.17285156, -0.11279297, -0.04785156,
         0.08398438,  0.02746582,  0.09472656, -0.00772095,  0.17871094,
         0.03857422,  0.06494141,  0.14941406, -0.17382812, -0.07177734,
        -0.08447266, -0.1171875 ,  0.27929688,  0.05639648,  0.17285156,
        -0.01782227,  0.05541992,  0.07128906, -0.07177734, -0.06225586,
        -0.13769531,  0.02209473,  0.07568359,  0.01831055, -0.09423828,
         0.23339844, -0.02844238, -0.01171875, -0.15136719,  0.02868652,
        -0.12792969, -0.00708008,  0.13085938,  0.14550781, -0.18554688,
        -0.25585938, -0.02148438,  0.12304688,  0.08886719, -0.12890625,
        -0.00793457, -0.16015625,  0.19433594,  0.046875  , -0.0246582 ,
        -0.19824219, -0.0402832 , -0.00415039, -0.01916504,  0.03857422,
         0.00280762,  0.07861328, -0.1015625 ,  0.08886719,  0.10400391,
        -0.23632812, -0.00756836, -0.10253906,  0.13183594, -0.22851562,
        -0.00915527, -0.14453125, -0.05371094, -0.04931641,  0.07666016,
        -0.15917969, -0.03759766, -0.25195312, -0.10107422,  0.27148438,
        -0.1640625 ,  0.05273438, -0.0703125 ,  0.07958984,  0.20507812,
         0.13574219, -0.09960938,  0.04150391, -0.07128906,  0.08349609,
        -0.02697754,  0.02783203, -0.27148438, -0.03833008,  0.02978516,
         0.23730469,  0.04101562, -0.06445312, -0.04345703, -0.15136719,
         0.09716797, -0.00485229, -0.24414062, -0.04760742, -0.00352478,
        -0.05444336,  0.2109375 ,  0.02539062,  0.08251953,  0.13671875,
        -0.33789062,  0.01464844,  0.05444336,  0.05493164,  0.0291748 ,
        -0.06396484,  0.02380371,  0.1484375 , -0.21386719, -0.00340271,
         0.00805664,  0.00750732, -0.25976562,  0.00732422, -0.01806641,
        -0.04589844,  0.10009766,  0.22070312, -0.03088379, -0.03393555,
        -0.08935547,  0.08007812,  0.0703125 ,  0.22558594,  0.10351562,
        -0.10546875,  0.07373047,  0.2578125 , -0.10839844, -0.05419922,
        -0.17089844,  0.01928711,  0.09863281, -0.25976562, -0.16699219,
        -0.03686523,  0.0859375 , -0.03564453,  0.13183594,  0.11767578,
         0.07568359, -0.01879883, -0.00221252, -0.12890625,  0.0234375 ,
         0.04467773,  0.140625  , -0.26953125,  0.08105469, -0.26953125,
         0.07861328,  0.27734375, -0.08203125, -0.17089844,  0.0534668 ,
        -0.01275635,  0.05395508, -0.05761719, -0.13964844,  0.13378906,
        -0.13867188,  0.16601562,  0.17480469, -0.06396484,  0.07373047,
        -0.05200195,  0.19628906, -0.02258301,  0.00817871, -0.02294922,
        -0.01855469, -0.18847656,  0.05883789,  0.19628906,  0.00616455,
         0.09814453,  0.03271484, -0.1953125 ,  0.07617188, -0.10742188,
```

```
         0.05273438,  0.08935547,  0.21289062, -0.12353516,  0.03662109,
         0.09228516,  0.14160156, -0.13671875, -0.03833008, -0.09228516,
        -0.22167969,  0.10888672, -0.24707031, -0.02941895, -0.24804688,
        -0.16503906, -0.0456543 , -0.22949219, -0.08740234, -0.09375   ,
         0.09570312,  0.140625  , -0.14746094, -0.19140625,  0.01806641,
        -0.06152344,  0.09521484,  0.02160645,  0.13964844,  0.04223633,
        -0.07128906,  0.05224609,  0.02490234, -0.02600098, -0.18457031,
        -0.08447266, -0.19726562,  0.08886719,  0.03173828,  0.0018158 ,
         0.12255859, -0.0546875 , -0.03051758, -0.0267334 ,  0.1484375 ,
        -0.04296875,  0.28710938, -0.24316406, -0.09472656, -0.15625   ,
         0.10449219,  0.07470703, -0.02416992,  0.01086426, -0.14746094],
       dtype=float32),
 'administration': array([-9.94873047e-03,  8.25195312e-02,  2.45666504e-0
3,  1.16210938e-01,
        -4.12597656e-02, -3.22265625e-01, -5.05371094e-02,  6.20117188e-02,
        -5.64575195e-03, -3.41796875e-02, -4.27246094e-02, -1.11694336e-02,
        -3.66210938e-02,  8.69140625e-02, -2.50000000e-01,  2.20703125e-01,
        -1.03515625e-01, -3.20312500e-01,  1.14746094e-01, -2.89062500e-01,
        -1.59179688e-01,  1.15722656e-01,  2.49023438e-01,  4.66308594e-02,
         1.05957031e-01,  5.39550781e-02,  3.14941406e-02, -8.30078125e-02,
         6.54296875e-02,  3.56445312e-02,  6.20117188e-02, -1.78710938e-01,
        -1.43554688e-01, -1.04980469e-02,  8.15429688e-02, -1.87500000e-01,
         2.02148438e-01,  1.28906250e-01, -3.90625000e-02,  4.93164062e-02,
         2.05078125e-01,  4.10156250e-02, -9.22851562e-02,  2.10937500e-01,
        -1.33789062e-01, -7.51953125e-02, -3.89099121e-03,  7.42187500e-02,
        -4.19921875e-01,  8.64257812e-02,  1.54296875e-01, -6.64062500e-02,
        -1.25000000e-01, -8.30078125e-02,  2.40478516e-02,  1.38671875e-01,
        -1.97265625e-01,  1.06445312e-01,  4.46777344e-02,  4.10156250e-02,
        -9.76562500e-02,  2.11914062e-01, -1.96289062e-01,  4.98046875e-02,
        -1.38671875e-01,  5.03540039e-03,  7.51953125e-02,  1.87500000e-01,
        -4.69970703e-03, -9.91210938e-02, -5.78613281e-02,  2.69531250e-01,
         3.22265625e-01, -6.00585938e-02,  3.32031250e-02, -1.65039062e-01,
         1.56250000e-01,  3.71093750e-02, -1.60156250e-01,  7.71484375e-02,
         2.32421875e-01,  1.29882812e-01, -1.66015625e-02,  4.41894531e-02,
         5.73730469e-02,  1.03712082e-05, -1.55273438e-01,  5.98144531e-02,
        -1.09863281e-01,  1.01074219e-01,  5.12695312e-02, -5.66406250e-02,
         1.13281250e-01, -1.02539062e-01,  1.68609619e-03,  2.09045410e-03,
         4.10156250e-02, -6.92749023e-03,  7.32421875e-02, -1.13281250e-01,
         9.08203125e-02,  1.18164062e-01, -2.51464844e-02, -6.78710938e-02,
        -6.29425049e-04,  7.27539062e-02, -9.76562500e-02, -1.37695312e-01,
         1.91406250e-01, -2.36328125e-01,  1.94091797e-02, -1.11694336e-02,
        -6.68945312e-02,  2.63671875e-01,  9.71679688e-02,  2.53906250e-01,
         8.54492188e-02, -9.61914062e-02,  2.04101562e-01,  1.96533203e-02,
        -2.18750000e-01, -1.78222656e-02,  1.09375000e-01,  5.06591797e-03,
        -3.05175781e-02, -7.61718750e-02,  2.12890625e-01, -1.56250000e-01,
         1.81640625e-01, -1.17675781e-01, -2.35351562e-01, -1.44195557e-03,
         8.05664062e-02, -3.35937500e-01, -1.47705078e-02, -1.18652344e-01,
         2.38037109e-02, -8.25195312e-02, -3.01513672e-02,  5.78613281e-02,
        -1.02539062e-01, -7.27539062e-02, -1.80664062e-01,  2.71484375e-01,
        -6.15234375e-02,  7.81250000e-02, -1.82617188e-01,  1.38671875e-01,
         9.37500000e-02,  1.03515625e-01,  4.08203125e-01, -2.44140625e-01,
        -9.52148438e-02,  4.54101562e-02, -1.33789062e-01, -8.15429688e-02,
         9.88769531e-03, -7.22656250e-02, -8.34960938e-02,  1.52343750e-01,
         7.03125000e-02,  1.79443359e-02,  6.25000000e-02, -5.00488281e-02,
        -1.82617188e-01, -6.73828125e-02,  1.94335938e-01,  1.00585938e-01,
         2.02148438e-01, -3.39355469e-02, -5.21850586e-03,  1.43554688e-01,
         7.12890625e-02, -4.85839844e-02,  7.91015625e-02, -1.15722656e-01,
         2.50244141e-02,  8.64257812e-02, -1.07421875e-01,  6.49414062e-02,
        -3.43750000e-01,  1.11328125e-01,  7.47070312e-02, -1.42578125e-01,
         1.75781250e-01,  6.68945312e-02,  6.01196289e-03,  3.24707031e-02,
         3.56445312e-02,  1.48437500e-01, -5.34667969e-02,  3.76892090e-03,
         9.86328125e-02,  2.69531250e-01, -1.96289062e-01,  9.17968750e-02,
        -3.51562500e-02, -7.17773438e-02,  2.24609375e-02,  1.69921875e-01,
        -3.84765625e-01, -9.52148438e-02,  2.94921875e-01, -5.27343750e-02,
```

```
         8.74023438e-02, -1.42578125e-01,  1.56250000e-01,  1.33056641e-02,
        -1.25000000e-01, -3.41796875e-02, -1.74804688e-01, -1.78710938e-01,
        -1.13769531e-01,  1.79687500e-01,  5.73730469e-02,  2.99072266e-02,
        -2.36328125e-01,  1.07910156e-01,  9.66796875e-02,  5.76171875e-02,
        -1.84570312e-01,  9.81445312e-02,  6.98242188e-02,  1.40625000e-01,
         2.19726562e-01, -1.27929688e-01,  6.98242188e-02,  2.01171875e-01,
         2.08984375e-01,  3.29589844e-02,  4.05883789e-03,  4.44335938e-02,
        -6.00585938e-02, -1.19140625e-01,  1.59179688e-01, -4.17480469e-02,
        -9.03320312e-03,  4.61425781e-02,  2.61230469e-02, -1.96289062e-01,
        -1.57226562e-01, -8.98437500e-02, -7.03125000e-02, -1.19628906e-01,
        -9.71679688e-02, -7.37304688e-02, -1.30859375e-01,  1.05468750e-01,
         1.72119141e-02,  1.94335938e-01, -6.49414062e-02, -6.93359375e-02,
         3.73535156e-02, -1.14257812e-01,  5.73730469e-02,  6.04248047e-03,
         2.64892578e-02,  1.57226562e-01, -5.27343750e-02, -1.48437500e-01,
         7.37304688e-02,  6.68945312e-02,  8.83789062e-02, -2.37304688e-01,
        -3.12500000e-02,  2.41210938e-01, -2.33398438e-01, -1.80664062e-01,
        -3.37890625e-01, -1.23535156e-01, -1.15356445e-02,  2.19726562e-01,
         1.48437500e-01,  3.34167480e-03, -1.12792969e-01,  5.73730469e-02,
         2.42187500e-01, -1.87500000e-01,  7.22656250e-02, -1.62109375e-01,
        -1.43554688e-01, -8.78906250e-02,  6.54296875e-02, -3.97949219e-02,
         6.73828125e-02, -1.72119141e-02, -2.15820312e-01,  3.49121094e-02,
         4.06250000e-01, -1.46484375e-01, -2.39257812e-01, -6.49414062e-02,
         2.57568359e-02, -1.23535156e-01,  1.64794922e-02,  9.47265625e-02,
         9.82666016e-03,  1.85546875e-02,  5.68847656e-02,  1.41601562e-0
1],
       dtype=float32),
 'sba': array([-0.0559082 , -0.12792969, -0.07421875,  0.03857422,  0.08837
891,
         0.01940918,  0.11621094,  0.04321289,  0.07373047, -0.07617188,
        -0.08447266,  0.01843262, -0.12255859,  0.05810547, -0.02355957,
         0.06884766,  0.10839844,  0.12011719, -0.12451172,  0.0010376 ,
         0.02941895, -0.08349609,  0.02563477, -0.01538086, -0.28710938,
         0.01031494,  0.06542969, -0.02026367,  0.03100586,  0.05957031,
        -0.109375  , -0.12207031, -0.0324707 , -0.15429688,  0.10253906,
        -0.07470703, -0.01989746, -0.01147461,  0.13574219,  0.05859375,
        -0.11865234, -0.13476562, -0.11865234,  0.07861328,  0.03149414,
        -0.19433594, -0.09082031,  0.03320312, -0.06738281,  0.10839844,
        -0.14941406,  0.10888672,  0.19433594,  0.04101562, -0.08935547,
         0.03808594, -0.09472656, -0.03015137,  0.04760742, -0.14355469,
        -0.07910156, -0.09130859, -0.13183594, -0.06591797, -0.12060547,
        -0.20996094,  0.01293945,  0.0010376 ,  0.19628906, -0.03149414,
        -0.02099609, -0.02038574,  0.01965332, -0.00866699, -0.04370117,
        -0.06201172,  0.1640625 , -0.01611328, -0.10791016,  0.1875    ,
        -0.03833008, -0.06298828,  0.10351562, -0.01409912,  0.15039062,
        -0.03442383,  0.08447266,  0.01263428,  0.10302734,  0.02294922,
         0.0111084 ,  0.00976562, -0.11425781, -0.12988281,  0.11132812,
         0.10498047,  0.12792969, -0.04321289, -0.01165771, -0.00084305,
        -0.0135498 , -0.10839844, -0.10888672,  0.0859375 , -0.13476562,
         0.07373047, -0.08496094,  0.01269531,  0.20019531,  0.04125977,
        -0.03857422, -0.15820312, -0.09814453, -0.01867676,  0.05273438,
         0.13476562, -0.03063965, -0.13476562,  0.29101562,  0.03393555,
         0.07861328,  0.04003906, -0.09082031,  0.15234375,  0.20507812,
         0.15625   , -0.15527344,  0.17871094,  0.23242188,  0.08496094,
        -0.1796875 ,  0.0088501 ,  0.02111816, -0.02087402, -0.18066406,
        -0.22460938, -0.08154297, -0.0625    ,  0.02734375,  0.06982422,
         0.0625    , -0.01531982, -0.01708984, -0.07714844,  0.10058594,
        -0.17285156,  0.00457764,  0.11621094,  0.02429199, -0.02661133,
         0.20507812, -0.11962891, -0.07910156, -0.01409912,  0.140625  ,
        -0.09863281,  0.04663086,  0.12207031, -0.09619141, -0.09472656,
         0.04589844,  0.12255859, -0.20605469, -0.13378906,  0.04931641,
         0.03881836,  0.234375  ,  0.03515625, -0.04272461,  0.08740234,
        -0.24121094, -0.00124359,  0.10351562, -0.05541992, -0.12988281,
         0.03344727,  0.03039551, -0.07568359, -0.04443359, -0.12792969,
        -0.09179688, -0.04296875, -0.00708008, -0.05834961, -0.06835938,
```

```
        -0.12597656, -0.11621094,  0.1171875 ,  0.01477051,  0.02319336,
        -0.07177734,  0.01275635, -0.27734375,  0.0480957 ,  0.01574707,
         0.06738281,  0.00268555, -0.03857422,  0.06982422, -0.14941406,
        -0.22070312,  0.16113281,  0.11767578, -0.09179688,  0.01043701,
        -0.12109375,  0.07568359,  0.16210938, -0.13964844,  0.13574219,
         0.08691406, -0.04150391, -0.078125  ,  0.04272461,  0.02563477,
         0.17675781,  0.05297852, -0.01806641, -0.05273438, -0.09472656,
         0.1015625 ,  0.20898438, -0.06445312, -0.01141357, -0.03735352,
        -0.12792969,  0.01171875,  0.00198364, -0.0324707 , -0.29882812,
         0.04199219,  0.12011719, -0.09765625, -0.04345703, -0.15136719,
         0.06298828,  0.12255859, -0.06152344, -0.11523438,  0.13671875,
         0.02868652,  0.12353516, -0.01696777, -0.02819824, -0.00732422,
        -0.18359375, -0.03808594,  0.36132812, -0.09082031, -0.15429688,
         0.03881836,  0.08154297, -0.10058594, -0.06396484,  0.12255859,
        -0.13671875,  0.04370117, -0.12109375, -0.03515625, -0.11035156,
         0.06884766, -0.03491211,  0.11230469, -0.16601562,  0.01904297,
         0.171875  ,  0.05371094, -0.0279541 , -0.08349609, -0.20507812,
        -0.01483154,  0.22363281, -0.14648438,  0.00531006, -0.00141907,
        -0.11572266,  0.05297852, -0.07470703, -0.10009766, -0.03149414,
        -0.13671875,  0.05834961, -0.00323486,  0.02722168, -0.1015625 ,
         0.06445312,  0.03930664,  0.02819824,  0.11230469,  0.02502441,
         0.03759766,  0.03759766, -0.07666016,  0.06298828,  0.04980469,
        -0.14550781,  0.04418945, -0.10058594,  0.00334167,  0.01635742],
       dtype=float32),
 'success': array([-4.68750000e-02,  4.48608398e-03, -1.41601562e-01, -9.08
203125e-02,
         2.18750000e-01, -2.36328125e-01, -5.66406250e-02, -1.85546875e-01,
         2.71484375e-01,  2.92968750e-01, -9.66796875e-02,  1.53198242e-02,
         3.61328125e-01,  6.64062500e-02, -7.12890625e-02,  1.29882812e-01,
         1.92382812e-01, -3.90625000e-02,  8.88671875e-02, -8.98437500e-02,
        -1.99218750e-01,  2.22656250e-01, -3.22265625e-02,  2.04101562e-01,
         1.11328125e-01, -4.88281250e-03, -1.57470703e-02, -3.08593750e-01,
        -1.22558594e-01,  5.02929688e-02,  6.49414062e-02, -2.77343750e-01,
         2.14843750e-01, -1.67968750e-01,  1.98242188e-01,  2.48046875e-01,
        -3.85742188e-02,  6.17675781e-02,  3.02734375e-02, -1.58203125e-01,
         4.08203125e-01,  3.10058594e-02, -3.14453125e-01,  2.18750000e-01,
        -4.32128906e-02, -2.79296875e-01, -1.06445312e-01,  1.53320312e-01,
         1.83593750e-01, -2.14843750e-02, -6.07910156e-02,  1.82617188e-01,
        -4.71191406e-02, -3.75976562e-02,  9.47265625e-02, -1.25976562e-01,
        -4.19921875e-02, -1.07910156e-01,  4.73022461e-04, -1.34765625e-01,
         1.35742188e-01,  1.73828125e-01,  2.02636719e-02, -2.12890625e-01,
        -3.07617188e-02, -1.95312500e-01,  9.57031250e-02, -5.22460938e-02,
         2.28271484e-02,  1.27929688e-01, -4.57763672e-05, -1.90429688e-01,
         9.61303711e-04,  7.61718750e-02,  9.91210938e-02, -1.06445312e-01,
         1.07421875e-01,  5.39550781e-02,  8.44726562e-02,  2.75390625e-01,
        -1.35742188e-01, -5.95703125e-02,  8.78906250e-02, -6.74438477e-03,
         6.78710938e-02, -2.03125000e-01, -1.63085938e-01,  1.88476562e-01,
         1.44531250e-01,  2.90527344e-02, -5.44433594e-02, -1.14257812e-01,
         8.39843750e-02, -2.27539062e-01,  2.33398438e-01, -2.17285156e-02,
         7.91015625e-02,  8.34960938e-02, -2.39257812e-02, -2.45361328e-02,
         1.09863281e-01,  7.03125000e-02,  1.53320312e-01,  1.69921875e-01,
        -3.39355469e-02, -6.98242188e-02, -2.41210938e-01,  4.49218750e-02,
         6.20117188e-02, -1.73828125e-01,  5.51757812e-02,  1.16699219e-01,
        -1.86523438e-01, -4.88281250e-02,  1.88476562e-01, -5.68847656e-02,
        -1.35742188e-01, -1.57226562e-01, -5.37109375e-02, -1.62109375e-01,
        -1.65039062e-01,  5.46875000e-02,  2.25585938e-01, -6.04248047e-03,
        -7.42187500e-02,  1.98242188e-01, -5.68847656e-02,  1.04980469e-01,
        -6.34765625e-02,  1.77734375e-01, -1.29882812e-01,  4.58984375e-02,
         4.24804688e-02, -4.10156250e-02, -1.89208984e-02,  1.73828125e-01,
         1.74804688e-01, -2.13867188e-01, -1.52343750e-01,  4.80468750e-01,
        -1.74560547e-02, -1.14746094e-01, -5.85937500e-02,  8.05664062e-02,
         1.35742188e-01, -1.01074219e-01,  6.62231445e-03,  2.97851562e-02,
         1.26953125e-01, -5.83496094e-02, -2.17285156e-02,  1.98242188e-01,
        -1.22070312e-01,  3.06640625e-01,  1.09100342e-03, -8.88671875e-02,
```

```
         1.81884766e-02, -1.77734375e-01,  9.03320312e-02, -1.75781250e-01,
        -2.95410156e-02,  8.78906250e-02, -1.91650391e-02,  2.68554688e-02,
         8.15429688e-02, -3.51562500e-01,  9.57031250e-02, -1.64062500e-01,
        -3.02734375e-02,  1.90429688e-01, -4.51660156e-03, -1.58203125e-01,
         1.34765625e-01, -3.57421875e-01, -8.00781250e-02,  2.94921875e-01,
         2.57812500e-01, -2.32421875e-01, -6.29882812e-02,  4.66308594e-02,
        -1.19628906e-01, -3.27148438e-02,  1.74804688e-01, -3.06640625e-01,
         3.66210938e-02, -1.24023438e-01, -1.66992188e-01,  3.58886719e-02,
         6.00585938e-02,  3.95507812e-02, -7.37304688e-02,  4.07714844e-02,
        -6.54296875e-02,  7.17163086e-03, -1.84570312e-01, -3.63769531e-02,
         1.77734375e-01,  9.96093750e-02,  5.71289062e-02, -1.14746094e-01,
         1.99218750e-01,  3.32031250e-01,  2.15820312e-01, -2.47070312e-01,
        -3.01513672e-02, -2.32421875e-01, -1.75781250e-01, -2.07031250e-01,
         2.15148926e-03,  3.26171875e-01,  1.46484375e-01,  2.35351562e-01,
         3.08837891e-02,  1.46484375e-02, -4.00390625e-02, -2.20703125e-01,
         3.43750000e-01, -1.40625000e-01, -1.48437500e-01,  3.24218750e-01,
        -1.80664062e-01, -1.06445312e-01, -1.28906250e-01,  8.20312500e-02,
        -1.10473633e-02, -1.80664062e-01, -1.14440918e-03, -1.90429688e-01,
         1.82617188e-01, -4.32128906e-02, -8.49609375e-02, -4.19921875e-02,
        -1.10473633e-02, -1.32812500e-01, -2.09960938e-02, -4.55078125e-01,
        -2.09960938e-01,  6.39648438e-02,  2.06298828e-02, -1.13281250e-01,
         8.15429688e-02, -7.86132812e-02, -1.24023438e-01,  5.44433594e-02,
         1.96289062e-01,  1.14257812e-01,  1.66992188e-01, -1.16210938e-01,
         1.46484375e-01,  6.29882812e-02, -1.22070312e-01,  5.66406250e-02,
         2.16064453e-02,  5.39550781e-02, -4.80957031e-02,  3.08593750e-01,
         3.73535156e-02, -3.80859375e-02, -2.71484375e-01,  2.27050781e-02,
        -6.64062500e-02, -5.56640625e-02,  4.54101562e-02,  4.19921875e-01,
         2.39257812e-02,  1.89453125e-01,  1.21582031e-01, -1.68945312e-01,
        -1.22070312e-01, -3.28125000e-01, -5.44433594e-02, -1.13769531e-01,
         2.24609375e-02,  5.90820312e-02, -3.05175781e-02,  6.29882812e-02,
        -9.57031250e-02,  5.88378906e-02,  9.03320312e-02, -2.85156250e-01,
         2.71484375e-01,  1.77734375e-01,  1.16699219e-01,  2.31445312e-01,
        -1.56250000e-01, -3.39355469e-02, -1.59179688e-01,  1.25000000e-01,
        -1.93359375e-01, -1.20605469e-01, -1.42578125e-01,  3.61328125e-02,
        -9.27734375e-02, -3.28125000e-01,  3.29589844e-02, -2.05078125e-01,
         2.98828125e-01,  1.16210938e-01, -1.13769531e-01,  3.22265625e-0
2],
       dtype=float32),
 'story': array([ 0.17578125,  0.02453613, -0.16894531,  0.03442383,  0.121
09375,
         0.05297852,  0.49414062,  0.24707031,  0.06689453,  0.07714844,
        -0.14941406, -0.08984375,  0.12890625, -0.14257812, -0.16210938,
         0.16113281,  0.00454712, -0.08349609,  0.01965332, -0.14257812,
         0.17871094, -0.00595093,  0.26757812, -0.11279297,  0.06738281,
         0.06787109,  0.03442383,  0.16601562,  0.18164062, -0.01123047,
         0.06079102, -0.22070312, -0.00518799, -0.12792969,  0.16113281,
         0.03735352,  0.171875  ,  0.18164062,  0.125     ,  0.26757812,
        -0.01086426,  0.12451172, -0.11914062,  0.15429688,  0.11132812,
         0.23535156, -0.00558472, -0.16894531,  0.14648438, -0.1953125 ,
         0.19628906, -0.1328125 , -0.07421875, -0.0008812 ,  0.28320312,
        -0.26171875,  0.08203125,  0.03393555,  0.03686523, -0.34179688,
         0.16796875,  0.22949219,  0.03540039, -0.04052734,  0.09570312,
         0.14160156,  0.18359375, -0.01672363,  0.21972656,  0.16015625,
         0.04907227, -0.00436401, -0.12597656, -0.26171875, -0.02807617,
         0.21679688,  0.21191406, -0.06176758,  0.11376953,  0.11328125,
         0.07519531, -0.02453613,  0.10742188, -0.20800781, -0.1484375 ,
        -0.04931641, -0.08154297, -0.06005859,  0.04785156, -0.29882812,
         0.26171875,  0.16796875, -0.32226562,  0.17675781, -0.12402344,
         0.17382812, -0.10498047, -0.12792969,  0.03881836, -0.12158203,
         0.05908203,  0.2421875 ,  0.17675781, -0.20019531,  0.00049973,
         0.01867676, -0.23339844, -0.19140625,  0.03637695, -0.00714111,
         0.078125  ,  0.04638672,  0.11230469, -0.06103516,  0.01263428,
         0.01147461,  0.15234375,  0.09033203,  0.2109375 ,  0.00448608,
        -0.10791016, -0.4140625 ,  0.05615234,  0.11230469,  0.046875  ,
```

```
         0.06738281, -0.14550781,  0.20703125, -0.06396484, -0.01818848,
        -0.359375  , -0.19726562,  0.00671387, -0.18554688,  0.27148438,
         0.08935547, -0.15820312, -0.27148438, -0.13476562,  0.09179688,
         0.30273438, -0.02075195, -0.13085938, -0.05834961,  0.11376953,
        -0.05932617,  0.13085938, -0.01177979, -0.22265625, -0.21386719,
         0.11035156, -0.00051498,  0.1328125 ,  0.23339844,  0.0234375 ,
        -0.11376953, -0.13964844, -0.12695312, -0.06152344, -0.13476562,
         0.16796875,  0.18164062,  0.11279297,  0.02490234,  0.02587891,
        -0.13476562,  0.46679688, -0.0859375 , -0.00065994,  0.15429688,
         0.02099609, -0.07910156, -0.14257812, -0.390625  , -0.02770996,
         0.10888672, -0.01501465, -0.08837891, -0.20019531, -0.09130859,
        -0.07714844, -0.16601562, -0.11132812, -0.21875   ,  0.00092316,
        -0.17871094, -0.17773438,  0.11376953,  0.17089844,  0.18847656,
         0.14355469, -0.06347656,  0.08740234,  0.16113281,  0.11523438,
         0.26367188,  0.00386047,  0.11132812, -0.08251953,  0.10644531,
         0.15039062, -0.06787109, -0.11914062,  0.00909424, -0.15917969,
         0.14355469, -0.13671875,  0.06396484, -0.0324707 , -0.11816406,
         0.09375   ,  0.22851562,  0.03955078, -0.05932617,  0.05297852,
         0.1875    ,  0.02294922,  0.19238281, -0.15917969, -0.08886719,
         0.19726562,  0.17089844,  0.05322266,  0.09033203,  0.07617188,
        -0.01409912, -0.09521484,  0.07324219, -0.15136719, -0.04882812,
         0.16796875, -0.0703125 ,  0.00756836,  0.07226562, -0.02307129,
        -0.14746094,  0.0189209 ,  0.19726562,  0.19238281, -0.04345703,
         0.14941406, -0.00970459, -0.0246582 , -0.09082031,  0.03662109,
         0.24707031,  0.15039062,  0.34179688,  0.06738281,  0.06347656,
         0.01269531,  0.23828125,  0.01153564,  0.01348877,  0.12207031,
        -0.24023438,  0.01080322, -0.125     , -0.06347656,  0.0234375 ,
        -0.05200195, -0.05322266, -0.203125  ,  0.08349609,  0.02600098,
         0.47460938,  0.04907227, -0.109375  , -0.2421875 , -0.16992188,
         0.2109375 ,  0.04907227,  0.04638672, -0.12890625,  0.1796875 ,
        -0.00254822,  0.06689453, -0.02233887,  0.07958984, -0.19921875,
         0.08496094, -0.3046875 , -0.11328125, -0.05859375,  0.11962891,
        -0.13867188, -0.37304688,  0.22460938, -0.19433594,  0.10498047,
        -0.14355469, -0.0145874 , -0.07910156,  0.02038574, -0.07128906,
        -0.21386719,  0.10742188, -0.3984375 ,  0.01550293,  0.04980469],
       dtype=float32),
 'benefit': array([-8.44726562e-02, -1.91650391e-02, -2.08007812e-01,  1.95
312500e-01,
        -1.51367188e-01,  1.51367188e-01,  1.77734375e-01, -8.39843750e-02,
         7.56835938e-02,  2.47070312e-01,  8.54492188e-02, -5.98144531e-02,
         4.46777344e-02,  3.18359375e-01,  3.51562500e-02,  1.50390625e-01,
         8.05664062e-02,  1.91406250e-01,  1.13769531e-01, -8.54492188e-02,
        -4.80957031e-02,  4.54101562e-02, -1.89208984e-02,  1.18164062e-01,
         1.32812500e-01,  1.12792969e-01, -8.30078125e-02, -5.41992188e-02,
        -9.71679688e-02, -1.04003906e-01,  5.88378906e-02, -7.56835938e-02,
        -1.27929688e-01, -2.12890625e-01,  3.14453125e-01,  1.25000000e-01,
        -8.72802734e-03, -1.13769531e-01,  2.66113281e-02,  7.47070312e-02,
        -1.44042969e-02,  2.53906250e-01,  9.96093750e-02,  3.90625000e-02,
        -1.88476562e-01, -4.94140625e-01, -2.22656250e-01,  1.04492188e-01,
        -6.64062500e-02,  4.05273438e-02,  2.02941895e-03, -9.71679688e-02,
        -1.47460938e-01, -1.70898438e-01, -1.50756836e-02, -1.03515625e-01,
        -6.93359375e-02,  9.61914062e-02,  2.26562500e-01, -1.15234375e-01,
        -5.44433594e-02, -9.91210938e-02, -7.65991211e-03, -2.79541016e-02,
         1.06933594e-01, -8.44726562e-02, -1.71875000e-01,  1.53320312e-01,
        -1.52343750e-01,  1.90429688e-01, -7.93457031e-04, -3.32031250e-01,
         3.47656250e-01, -5.85937500e-02,  1.58203125e-01, -2.28515625e-01,
         1.11328125e-01,  5.59082031e-02,  8.39843750e-02,  8.83789062e-02,
         7.32421875e-02, -1.00708008e-02, -4.02832031e-02,  2.61718750e-01,
        -1.35742188e-01,  2.19726562e-02, -3.55468750e-01, -4.76074219e-02,
         2.28271484e-02, -1.01074219e-01,  3.66210938e-02, -5.46875000e-02,
         1.10839844e-01, -2.07031250e-01,  5.10253906e-02, -1.33789062e-01,
         9.86328125e-02,  3.11279297e-03, -2.27050781e-02, -2.85644531e-02,
        -6.15234375e-02, -7.56835938e-02, -4.00390625e-02,  2.11914062e-01,
        -1.66992188e-01, -3.16406250e-01, -4.34570312e-02, -2.83203125e-01,
```

```
         1.60156250e-01, -1.73828125e-01, -1.08398438e-01,  1.93359375e-01,
         9.82666016e-03,  5.83496094e-02,  1.66992188e-01,  1.75781250e-01,
        -7.47070312e-02, -1.65039062e-01,  4.54101562e-02,  2.08984375e-01,
         1.42578125e-01, -4.56542969e-02, -1.11328125e-01, -6.78710938e-02,
        -1.67236328e-02, -1.62353516e-02, -1.20117188e-01, -1.19628906e-02,
         1.77734375e-01,  8.30078125e-02, -4.10156250e-02,  5.20019531e-02,
        -1.31835938e-02, -1.15722656e-01, -9.86328125e-02, -2.65625000e-01,
         4.10156250e-02,  3.41796875e-02,  1.83593750e-01,  1.42578125e-01,
         7.61718750e-02,  7.99560547e-03, -3.56445312e-02,  2.35351562e-01,
         4.54101562e-02, -2.01171875e-01,  9.96093750e-02,  3.45230103e-04,
         2.06298828e-02, -1.32812500e-01, -4.29687500e-02,  1.31835938e-01,
        -5.39550781e-02,  2.08984375e-01,  8.83789062e-02,  9.39941406e-03,
        -4.32128906e-02,  2.49023438e-02, -2.10937500e-01, -1.66992188e-01,
        -9.52148438e-03,  6.34765625e-02,  1.23046875e-01, -1.19018555e-02,
         8.25195312e-02,  4.80957031e-02, -8.83789062e-02,  5.90820312e-02,
        -7.66601562e-02,  4.27246094e-02, -1.18652344e-01, -2.06054688e-01,
        -1.57226562e-01, -2.57812500e-01,  4.27246094e-02, -8.74023438e-02,
         1.15234375e-01,  8.78906250e-02,  2.89306641e-02,  2.55859375e-01,
        -2.55859375e-01, -7.27539062e-02,  1.21093750e-01,  1.18408203e-02,
        -2.75390625e-01, -7.86132812e-02, -1.21459961e-02,  1.01318359e-02,
         1.94091797e-02, -2.50000000e-01, -1.43554688e-01,  1.75781250e-01,
         2.08007812e-01, -6.20117188e-02, -4.05273438e-02,  9.27734375e-02,
        -5.83496094e-02, -1.88476562e-01,  2.17773438e-01, -1.22558594e-01,
        -9.32617188e-02, -5.02929688e-02,  5.54199219e-02, -1.97265625e-01,
        -2.55859375e-01, -7.27539062e-02, -2.14843750e-01,  1.14257812e-01,
        -6.03027344e-02,  2.15820312e-01,  1.50390625e-01,  2.01171875e-01,
        -2.06298828e-02,  2.03125000e-01,  1.16210938e-01, -5.98144531e-02,
         5.37109375e-02,  1.95312500e-01,  7.32421875e-02,  8.74023438e-02,
        -9.96093750e-02, -1.70898438e-01, -2.41699219e-02, -5.17578125e-02,
        -1.69921875e-01,  7.95898438e-02, -9.96093750e-02, -1.27929688e-01,
         9.32617188e-02,  1.15722656e-01,  4.54101562e-02,  3.97949219e-02,
         1.66015625e-01, -1.57470703e-02,  1.75781250e-01,  3.83300781e-02,
        -1.04370117e-02,  1.02539062e-01,  1.76757812e-01, -8.93554688e-02,
        -4.32128906e-02,  4.02832031e-02,  2.73437500e-01,  5.95703125e-02,
        -7.81250000e-03,  4.27246094e-02,  5.83496094e-02, -1.55639648e-02,
         3.61328125e-02, -2.19726562e-01,  1.40625000e-01,  4.76074219e-02,
        -1.03759766e-02, -7.22656250e-02,  2.92968750e-02,  1.29882812e-01,
        -5.54199219e-02,  1.00585938e-01, -1.45507812e-01,  9.57031250e-02,
        -7.56835938e-02, -6.73828125e-02, -1.12792969e-01,  1.85546875e-01,
        -5.15136719e-02,  1.42211914e-02, -5.81054688e-02,  1.52343750e-01,
        -1.39648438e-01, -3.73046875e-01, -5.10253906e-02, -3.63159180e-03,
        -1.35742188e-01,  7.61718750e-02,  1.48437500e-01, -1.25000000e-01,
         8.85009766e-03,  4.66308594e-02, -2.63671875e-02,  8.23974609e-03,
         6.44531250e-02,  1.65039062e-01,  1.55639648e-02,  9.96093750e-02,
        -1.03027344e-01, -2.25585938e-01,  9.03320312e-03, -3.57055664e-03,
         2.05078125e-01, -2.63671875e-01, -2.06298828e-02,  1.69921875e-01,
        -2.53906250e-02, -6.88476562e-02,  8.25195312e-02,  4.27246094e-02,
         7.35473633e-03, -1.03027344e-01,  4.73632812e-02, -1.57226562e-0
1],
       dtype=float32),
 'aggressive': array([-3.06701660e-03,  2.19726562e-01, -8.25195312e-02,
2.55859375e-01,
        -2.09960938e-01, -1.17187500e-01,  1.09863281e-01,  1.07421875e-01,
         5.95703125e-02,  7.23266602e-03,  5.90820312e-02, -1.52343750e-01,
         2.08984375e-01, -9.57031250e-02, -9.66796875e-02, -3.12500000e-01,
        -1.54296875e-01,  2.47802734e-02,  3.24707031e-02,  2.50000000e-01,
         9.08203125e-02,  1.79443359e-02,  1.05957031e-01,  1.33789062e-01,
        -1.22070312e-01,  1.99218750e-01, -7.37304688e-02, -1.42578125e-01,
         2.03125000e-01,  4.76074219e-02,  2.22656250e-01,  1.95312500e-02,
         2.61230469e-02, -1.38671875e-01,  6.17675781e-02,  1.20605469e-01,
        -8.78906250e-03, -4.78515625e-02,  2.69531250e-01, -1.82617188e-01,
         5.66406250e-01, -2.18750000e-01, -4.34570312e-02, -5.12695312e-02,
        -2.73437500e-01, -8.49609375e-02, -2.40234375e-01, -1.58203125e-01,
         2.21679688e-01, -4.34570312e-02,  3.08593750e-01,  2.21679688e-01,
```

```
       -1.12304688e-01, -1.43432617e-02,  7.03125000e-02,  1.74804688e-01,
       -9.03320312e-02, -3.84765625e-01,  3.28063965e-03, -2.80761719e-03,
       -2.73437500e-01, -1.16210938e-01, -5.42968750e-01, -8.05664062e-03,
       -1.37695312e-01,  2.09960938e-01,  2.31445312e-01, -8.48388672e-03,
       -9.22851562e-02,  2.26562500e-01, -2.18505859e-02, -8.39843750e-02,
        6.93359375e-02,  2.77343750e-01, -2.17773438e-01,  5.71289062e-02,
        2.69531250e-01,  2.18750000e-01,  1.37695312e-01,  9.37500000e-02,
       -1.01562500e-01,  2.81250000e-01,  2.97851562e-02,  1.26953125e-01,
        6.64062500e-02, -1.97753906e-02, -2.87109375e-01,  2.67578125e-01,
        1.95312500e-01, -1.35742188e-01,  1.22070312e-02,  4.88281250e-02,
       -2.37304688e-01,  1.01562500e-01,  2.06054688e-01, -9.13085938e-02,
       -8.59375000e-02,  1.12304688e-01, -8.42285156e-03, -3.71093750e-02,
        9.91210938e-02,  1.84326172e-02, -1.08398438e-01,  3.19824219e-02,
        2.02148438e-01, -2.73437500e-01, -7.87353516e-03, -1.79687500e-01,
        2.58789062e-02, -4.63867188e-02, -1.72851562e-01, -2.02148438e-01,
       -8.64257812e-02, -2.85644531e-02, -3.34472656e-02, -4.78515625e-02,
        1.84570312e-01, -1.46484375e-01,  1.09863281e-01, -2.43164062e-01,
       -2.51953125e-01, -4.55856323e-04, -7.37304688e-02,  1.99218750e-01,
       -2.48046875e-01, -2.65625000e-01,  2.61718750e-01,  3.69262695e-03,
        9.22851562e-02, -1.11816406e-01, -1.18652344e-01, -3.20312500e-01,
        1.21582031e-01,  1.27929688e-01, -1.27929688e-01, -8.74023438e-02,
        2.29492188e-01,  4.05273438e-02, -1.21093750e-01,  2.33398438e-01,
        5.27343750e-02,  2.13867188e-01, -1.11328125e-01, -3.08837891e-02,
       -8.49609375e-02,  5.49316406e-02, -6.88476562e-02,  1.33789062e-01,
       -1.21582031e-01, -2.35351562e-01, -3.19824219e-02,  6.25000000e-02,
       -1.37695312e-01,  2.44140625e-01, -7.03125000e-02, -9.08203125e-02,
       -5.07812500e-02,  4.17480469e-02,  1.66992188e-01,  2.00195312e-01,
        1.67236328e-02,  2.92968750e-01,  2.36816406e-02, -2.32421875e-01,
       -1.13281250e-01, -3.29589844e-02,  3.83300781e-02, -3.57421875e-01,
        1.87500000e-01, -3.41796875e-02, -1.57226562e-01, -2.13867188e-01,
        7.23266602e-03,  1.36718750e-01,  1.84326172e-02,  4.07714844e-02,
        8.93554688e-02,  1.62109375e-01, -5.15136719e-02, -1.09863281e-01,
       -1.42578125e-01, -2.92968750e-01, -4.39453125e-02,  2.00195312e-01,
       -7.91015625e-02, -7.17163086e-03,  1.31835938e-01,  2.06054688e-01,
       -1.25976562e-01, -9.22851562e-02,  1.18652344e-01, -4.22363281e-02,
       -5.44433594e-02, -8.25195312e-02, -2.38281250e-01, -7.81250000e-02,
        5.29785156e-02,  3.60107422e-03, -4.51660156e-02,  1.26953125e-01,
        6.44531250e-02,  2.96875000e-01,  1.45507812e-01, -6.37817383e-03,
        1.58691406e-02, -7.03125000e-02,  3.63769531e-02, -2.77343750e-01,
        3.85742188e-02, -1.12792969e-01, -2.24609375e-01,  1.71875000e-01,
       -1.84570312e-01,  6.25000000e-02,  1.42578125e-01, -1.70898438e-01,
        1.89453125e-01, -6.78710938e-02, -2.39257812e-01, -1.10839844e-01,
       -4.32128906e-02,  8.98437500e-02,  6.98242188e-02,  1.25122070e-02,
        1.62109375e-01, -1.94335938e-01,  4.19921875e-01, -1.16699219e-01,
        1.70898438e-01,  1.19140625e-01, -1.89453125e-01,  1.02050781e-01,
        5.54199219e-02,  2.62451172e-02,  8.54492188e-03,  5.22460938e-02,
       -8.83789062e-02, -2.36328125e-01, -4.10156250e-02, -1.25000000e-01,
       -5.15136719e-02,  2.00195312e-02,  5.17578125e-02, -1.37695312e-01,
        2.06054688e-01, -2.92968750e-02, -1.06445312e-01, -3.90625000e-02,
        2.85156250e-01, -1.86767578e-02,  2.65625000e-01, -7.22656250e-02,
       -9.08203125e-02, -3.06396484e-02, -1.12792969e-01, -1.81640625e-01,
       -6.90460205e-04, -1.71875000e-01, -1.15234375e-01, -1.79687500e-01,
        1.14746094e-01,  3.22265625e-02, -1.62353516e-02, -6.34765625e-02,
        5.46875000e-02, -3.36914062e-02, -2.42187500e-01, -2.92968750e-01,
       -2.29492188e-01,  6.78710938e-02,  6.37817383e-03,  3.45703125e-01,
        2.47802734e-02,  1.48437500e-01,  1.19628906e-01,  1.21582031e-01,
        2.47802734e-02,  8.69140625e-02,  6.68945312e-02,  1.81640625e-01,
        1.20605469e-01,  2.34375000e-01,  3.41796875e-02, -3.06640625e-01,
       -1.24511719e-01,  1.45507812e-01,  2.52685547e-02, -1.38671875e-01,
        3.53515625e-01, -2.27539062e-01, -8.25195312e-02, -3.56445312e-02,
        6.68945312e-02, -8.59375000e-02, -1.59179688e-01, -8.74023438e-02,
        1.86523438e-01,  2.89062500e-01, -7.51953125e-02,  5.07812500e-0
2],
       dtype=float32),
```

```
 'monthly': array([ 0.08984375, -0.21875   , -0.10302734,  0.08447266,  0.1
2304688,
        -0.06445312,  0.02563477,  0.01818848,  0.1875    ,  0.19726562,
         0.05664062,  0.14746094,  0.18066406,  0.07470703,  0.01519775,
         0.21386719,  0.13867188, -0.0534668 ,  0.13085938, -0.07666016,
         0.05444336,  0.01782227, -0.24902344,  0.14355469, -0.14160156,
        -0.12695312,  0.03271484,  0.390625  , -0.1640625 , -0.19335938,
        -0.08398438, -0.3203125 ,  0.04174805, -0.13183594,  0.07666016,
        -0.23535156,  0.0078125 , -0.04833984, -0.15820312, -0.06225586,
        -0.171875  , -0.05688477,  0.30664062,  0.04272461, -0.16894531,
        -0.08789062,  0.140625  , -0.01403809, -0.09179688,  0.05737305,
         0.07666016, -0.20605469,  0.05249023,  0.13378906,  0.11914062,
         0.09716797, -0.27148438,  0.14257812,  0.25      , -0.11523438,
         0.09375   ,  0.04101562, -0.15527344,  0.15234375,  0.27539062,
        -0.0222168 , -0.08789062,  0.16601562,  0.23828125,  0.203125  ,
         0.05859375, -0.12304688,  0.16210938, -0.11474609, -0.11669922,
         0.05639648,  0.09375   ,  0.22167969, -0.06152344,  0.03979492,
        -0.01831055, -0.375     , -0.03759766,  0.35351562,  0.03710938,
        -0.14941406, -0.29101562, -0.01977539,  0.16699219,  0.00585938,
         0.01269531, -0.21679688, -0.00405884, -0.703125  , -0.27929688,
        -0.01239014,  0.10546875, -0.06982422,  0.10742188, -0.09521484,
         0.21972656, -0.30273438, -0.203125  , -0.04321289, -0.06396484,
        -0.11962891, -0.07177734,  0.171875  ,  0.12353516, -0.07910156,
         0.13378906, -0.28320312, -0.01422119,  0.11865234,  0.03051758,
        -0.03857422,  0.14550781,  0.00515747,  0.12890625,  0.19726562,
         0.11474609, -0.05957031,  0.06787109,  0.15917969,  0.25195312,
         0.36523438, -0.22949219,  0.04443359,  0.03540039, -0.04077148,
        -0.23046875, -0.28515625,  0.13378906, -0.1015625 ,  0.01013184,
        -0.01013184,  0.06884766,  0.08837891,  0.09375   ,  0.09814453,
         0.05224609,  0.05883789, -0.39453125,  0.23632812, -0.06005859,
        -0.06005859, -0.00872803,  0.09082031, -0.12402344,  0.01611328,
        -0.13378906,  0.07470703, -0.19042969, -0.03063965,  0.09033203,
        -0.3046875 ,  0.03710938,  0.08007812, -0.06982422, -0.02526855,
        -0.01416016, -0.01141357, -0.32226562,  0.0625    , -0.16015625,
         0.19140625,  0.09277344, -0.015625  ,  0.13671875, -0.12109375,
         0.0703125 , -0.13085938,  0.05297852, -0.07861328, -0.13964844,
        -0.28515625,  0.19628906, -0.21679688, -0.00509644,  0.07324219,
        -0.19042969, -0.22460938, -0.04736328,  0.12792969,  0.16113281,
        -0.07666016,  0.03637695,  0.11425781, -0.12353516,  0.05151367,
         0.09814453, -0.08203125, -0.32226562, -0.23730469, -0.17871094,
        -0.06176758,  0.00210571,  0.1484375 , -0.22363281, -0.12597656,
        -0.19140625,  0.05541992, -0.03295898, -0.11230469,  0.22363281,
        -0.08056641, -0.32421875,  0.06982422, -0.02258301, -0.07324219,
        -0.06152344,  0.32226562, -0.14160156, -0.00350952, -0.09033203,
         0.06982422,  0.13183594,  0.03613281, -0.16992188,  0.1484375 ,
         0.25195312,  0.32226562, -0.04589844, -0.22265625, -0.19042969,
        -0.16015625,  0.02587891,  0.06982422, -0.08496094, -0.24511719,
        -0.14160156,  0.01171875,  0.14160156,  0.20117188,  0.07568359,
         0.10986328,  0.16308594, -0.10498047, -0.15429688,  0.03930664,
         0.22753906, -0.06738281,  0.14648438, -0.08300781,  0.01574707,
         0.00193787,  0.08007812, -0.15039062, -0.11865234, -0.11621094,
        -0.10498047,  0.10839844, -0.2265625 , -0.09863281,  0.02685547,
         0.35351562, -0.00195312, -0.25585938,  0.06298828,  0.16210938,
         0.11669922, -0.12402344,  0.140625  ,  0.08349609, -0.02282715,
        -0.07177734, -0.24023438,  0.14550781,  0.12060547, -0.08056641,
         0.19335938,  0.19726562,  0.10009766,  0.09423828,  0.296875  ,
         0.08544922, -0.15429688, -0.0279541 ,  0.04956055, -0.20605469,
        -0.13378906, -0.04345703,  0.19824219,  0.20800781,  0.12597656,
        -0.05029297,  0.09570312,  0.06591797,  0.33984375,  0.16894531,
         0.02612305, -0.17089844,  0.01000977,  0.08544922, -0.16503906,
         0.04003906, -0.24023438,  0.140625  , -0.01733398, -0.09277344],
       dtype=float32),
 'company': array([-3.56445312e-02, -1.33789062e-01, -7.32421875e-02, -9.37
500000e-02,
```

```
 6.59179688e-02, -3.69262695e-03,  1.39648438e-01,  4.56542969e-02,
 1.20239258e-02, -6.54296875e-02, -8.78906250e-02,  1.54296875e-01,
 1.30859375e-01, -1.86523438e-01, -3.53515625e-01,  5.71289062e-02,
-5.24902344e-03, -6.29882812e-02, -3.02734375e-02, -2.02636719e-02,
-7.29370117e-03,  2.13623047e-02, -1.27929688e-01, -8.49609375e-02,
 2.94189453e-02,  2.84423828e-02, -3.18527222e-04,  1.63085938e-01,
 1.07910156e-01, -1.95312500e-01,  8.78906250e-02, -1.28906250e-01,
-1.06445312e-01,  9.08203125e-02,  4.58984375e-02,  2.02636719e-02,
 2.27539062e-01, -5.20019531e-02,  6.93359375e-02,  4.15039062e-02,
 9.71679688e-02,  1.42578125e-01,  1.41601562e-01,  8.15429688e-02,
-2.30468750e-01, -1.74804688e-01, -1.97753906e-02,  1.06445312e-01,
-1.25976562e-01,  2.01416016e-02,  2.79296875e-01,  3.85742188e-02,
 1.40625000e-01, -4.32128906e-02,  1.15234375e-01, -1.78222656e-02,
-8.05664062e-02,  5.55419922e-03,  1.12792969e-01,  4.41894531e-02,
 8.23974609e-03,  5.81054688e-02, -1.75781250e-01,  3.22265625e-02,
-7.22656250e-02,  2.88085938e-02, -5.00488281e-02, -1.58691406e-02,
 9.42382812e-02,  1.45507812e-01, -1.04980469e-01,  4.54101562e-02,
-1.23291016e-02,  1.94091797e-02, -1.31835938e-01,  1.70898438e-01,
 2.47802734e-02, -7.53784180e-03, -2.27050781e-02, -7.22656250e-02,
-8.72802734e-03, -2.38281250e-01,  3.00292969e-02,  2.03125000e-01,
-6.80541992e-03,  3.27148438e-02, -8.78906250e-02,  2.50000000e-01,
 1.85546875e-02,  6.59179688e-02,  1.90429688e-01, -5.61523438e-02,
-1.60156250e-01, -1.41601562e-02, -1.33789062e-01,  1.20849609e-02,
-2.31445312e-01, -1.50390625e-01,  2.44140625e-01, -1.29699707e-03,
 1.01562500e-01, -1.08398438e-01, -9.22851562e-02,  7.61718750e-02,
 9.32617188e-02, -1.64062500e-01, -1.46484375e-01,  1.14746094e-01,
-7.20977783e-04, -1.73828125e-01, -4.95605469e-02, -6.98242188e-02,
-3.61328125e-02, -7.32421875e-02,  1.46484375e-01, -6.54296875e-02,
-1.39648438e-01, -1.97753906e-02,  1.62109375e-01,  2.08984375e-01,
-6.54296875e-02, -1.04492188e-01, -1.75781250e-01,  5.39550781e-02,
 1.20605469e-01,  1.94091797e-02, -3.17382812e-02, -1.34277344e-02,
 2.60925293e-03,  8.10546875e-02, -9.81445312e-02,  1.24023438e-01,
-2.05078125e-02, -1.20117188e-01,  2.66113281e-02, -2.34375000e-02,
 9.13085938e-02,  2.53906250e-02, -9.66796875e-02,  2.42919922e-02,
 2.07031250e-01, -2.87109375e-01,  2.73437500e-02,  1.55273438e-01,
 3.22265625e-02,  1.16577148e-02,  1.21093750e-01,  2.09960938e-02,
-1.62109375e-01,  5.12695312e-02,  8.05664062e-02, -1.16729736e-03,
-1.66992188e-01,  8.39843750e-02, -3.16406250e-01,  1.11816406e-01,
-2.45361328e-02,  9.76562500e-02,  6.73828125e-02,  1.20117188e-01,
 9.81445312e-02,  1.19140625e-01,  1.39648438e-01,  7.42187500e-02,
 2.52685547e-02, -6.78710938e-02, -8.74023438e-02, -1.67968750e-01,
 1.57226562e-01, -5.10253906e-02,  7.22656250e-02, -2.34375000e-01,
 9.76562500e-02, -2.57812500e-01,  5.63964844e-02, -4.24804688e-02,
-1.31225586e-02,  1.79443359e-02, -5.78613281e-02, -1.14746094e-01,
-1.42578125e-01,  6.20117188e-02, -1.91406250e-01, -1.69921875e-01,
-4.76074219e-02,  3.61328125e-02, -2.94189453e-02,  1.54296875e-01,
-1.24511719e-02, -1.30004883e-02, -3.10546875e-01, -2.42919922e-02,
-8.64257812e-02, -1.53320312e-01, -1.40625000e-01,  1.33056641e-02,
-1.67968750e-01, -1.44531250e-01,  6.88476562e-02, -1.92382812e-01,
-8.00781250e-02,  1.91650391e-02,  7.37304688e-02,  1.52343750e-01,
-1.34765625e-01,  2.92968750e-03,  2.57812500e-01,  1.52343750e-01,
-2.88085938e-02, -1.25000000e-01,  1.34765625e-01, -1.67236328e-02,
-6.34765625e-02,  2.65625000e-01,  1.34765625e-01,  1.38671875e-01,
 1.29394531e-02,  6.54296875e-02, -1.57226562e-01,  2.73437500e-02,
-8.10546875e-02,  1.79687500e-01,  2.84423828e-02,  2.57812500e-01,
 4.78515625e-02, -9.81445312e-02, -2.24609375e-01, -9.76562500e-02,
 7.95898438e-02, -5.83496094e-02,  5.90820312e-02, -6.15234375e-02,
-2.33398438e-01, -1.28906250e-01,  2.47802734e-02,  7.91015625e-02,
 7.42187500e-02, -4.83398438e-02, -9.42382812e-02, -1.69921875e-01,
-5.71289062e-02, -1.67968750e-01, -9.86328125e-02,  1.25976562e-01,
 3.41796875e-01, -2.17773438e-01, -9.32617188e-02, -4.49218750e-02,
 9.03320312e-02, -1.92382812e-01, -6.64062500e-02, -1.54296875e-01,
 5.51757812e-02, -1.59179688e-01, -4.58984375e-02, -1.02539062e-01,
-4.44335938e-02,  4.61425781e-02, -8.98437500e-02,  4.27246094e-02,
```

```
        -1.22680664e-02, -4.71191406e-02,  2.44140625e-02,  1.06445312e-01,
        -2.40478516e-02,  1.98242188e-01, -8.10546875e-02, -1.78710938e-01,
         3.85742188e-02, -3.36914062e-02,  1.41601562e-01, -7.76367188e-02,
         1.18652344e-01, -1.09863281e-01, -7.91015625e-02,  1.71875000e-01,
        -5.64575195e-03,  9.81445312e-02, -5.56640625e-02, -2.67578125e-01,
        -6.20117188e-02, -4.78515625e-02,  1.02050781e-01,  7.76367188e-02,
        -1.20849609e-02, -7.01904297e-03,  1.49414062e-01,  2.40478516e-02,
         7.27539062e-02,  9.47265625e-02,  1.96533203e-02,  7.81250000e-03,
        -2.98828125e-01,  9.08203125e-02,  1.42578125e-01, -1.19018555e-02,
         9.66796875e-02,  2.95410156e-02, -8.49609375e-02, -2.23632812e-0
1],
       dtype=float32),
 'match': array([-1.55273438e-01,  2.50244141e-02,  6.49414062e-02, -1.2451
1719e-01,
         3.61328125e-01,  7.51953125e-02,  1.41601562e-01, -1.58203125e-01,
         7.32421875e-02,  6.25000000e-02,  1.22680664e-02, -1.75781250e-01,
        -1.35742188e-01, -2.02636719e-02, -1.16210938e-01, -2.25830078e-02,
         7.37304688e-02,  2.94921875e-01,  2.18505859e-02, -3.95507812e-02,
        -4.54101562e-02,  5.24902344e-02,  4.65393066e-04, -8.10546875e-02,
         5.71289062e-02, -1.38671875e-01, -1.82617188e-01, -6.68945312e-02,
         3.37890625e-01, -2.18505859e-02, -2.81250000e-01,  1.68945312e-01,
         7.51495361e-04, -1.50390625e-01, -1.62353516e-02,  1.67968750e-01,
        -1.61132812e-01, -7.04956055e-03,  4.58984375e-02,  1.45507812e-01,
         1.75781250e-01,  7.91015625e-02,  3.75000000e-01,  1.82617188e-01,
        -1.53320312e-01, -5.11718750e-01,  1.18652344e-01, -6.68945312e-02,
        -1.77734375e-01,  2.43164062e-01,  6.22558594e-02,  2.34375000e-01,
        -2.75390625e-01, -1.58203125e-01, -1.06445312e-01, -2.71484375e-01,
         5.76171875e-02, -2.47070312e-01,  2.16064453e-02, -1.01562500e-01,
        -1.70898438e-01, -2.59765625e-01, -1.57226562e-01, -1.24511719e-01,
        -2.65625000e-01,  3.14453125e-01,  1.74804688e-01, -1.30859375e-01,
         2.81250000e-01,  1.26953125e-01,  5.17578125e-02, -1.37695312e-01,
         2.70843506e-04, -1.97265625e-01, -2.13867188e-01, -4.57763672e-04,
         3.08837891e-02,  2.57873535e-03,  1.08886719e-01, -1.74804688e-01,
        -1.55273438e-01, -2.03857422e-02, -2.96630859e-02,  1.24023438e-01,
        -9.52148438e-02, -5.61523438e-02, -3.14453125e-01,  8.49609375e-02,
         3.56445312e-02,  1.98242188e-01,  1.56250000e-01,  3.83300781e-02,
         1.38671875e-01,  1.62109375e-01, -2.01416016e-02, -1.91406250e-01,
        -1.52343750e-01, -1.31835938e-02, -3.90625000e-01,  6.39648438e-02,
        -2.03125000e-01,  1.90429688e-01, -1.19018555e-02,  5.68847656e-02,
        -1.06933594e-01, -1.13769531e-01,  1.37939453e-02,  3.54003906e-02,
         2.80761719e-02,  1.11816406e-01,  2.18750000e-01, -2.45117188e-01,
         2.83203125e-02, -2.51464844e-02,  2.47070312e-01, -1.42211914e-02,
         8.78906250e-02,  6.49414062e-02,  7.08007812e-02, -6.28662109e-03,
         9.76562500e-03, -1.78710938e-01,  2.86865234e-02, -3.83300781e-02,
        -2.25585938e-01,  5.17578125e-02, -2.06054688e-01, -1.21093750e-01,
        -1.11816406e-01, -3.83300781e-02, -5.32226562e-02, -3.08593750e-01,
         9.52148438e-03, -2.11914062e-01, -7.47070312e-02, -2.26562500e-01,
        -1.66015625e-02,  2.91015625e-01, -4.41406250e-01, -5.00488281e-02,
        -2.94189453e-02, -4.10156250e-02,  4.68750000e-02, -8.78906250e-02,
        -1.70898438e-01,  6.40625000e-01, -3.10058594e-02, -6.59179688e-02,
        -7.47070312e-02,  2.12890625e-01,  1.81640625e-01,  1.03515625e-01,
        -2.39257812e-01, -1.83593750e-01, -9.61914062e-02, -1.81884766e-02,
        -1.18164062e-01, -1.82617188e-01, -1.51367188e-01, -1.89453125e-01,
        -1.24511719e-01, -2.00195312e-01,  2.36328125e-01, -1.37695312e-01,
        -2.71484375e-01, -2.25585938e-01,  1.63085938e-01, -4.61425781e-02,
        -4.58984375e-02,  1.01562500e-01, -1.42578125e-01, -6.10351562e-02,
         4.73632812e-02,  4.32128906e-02, -7.71484375e-02, -5.44433594e-02,
         2.24609375e-01,  9.66796875e-02, -1.99218750e-01, -4.27246094e-02,
         3.90625000e-02, -1.27929688e-01,  4.84466553e-04, -7.51953125e-02,
         1.58203125e-01,  8.49609375e-02, -6.29882812e-02,  1.35803223e-03,
        -4.54101562e-02, -6.83593750e-02, -2.29492188e-02,  3.36914062e-02,
         1.56250000e-01, -1.00585938e-01, -5.02929688e-02,  2.65625000e-01,
         7.23266602e-03,  1.00097656e-01, -2.13867188e-01, -3.22265625e-02,
        -1.18652344e-01,  1.59179688e-01, -1.19628906e-01,  2.04467773e-03,
```

```
         1.48437500e-01, -1.44531250e-01, -1.66015625e-01,  4.41894531e-02,
         4.68750000e-02, -1.15234375e-01, -2.96630859e-02,  1.11328125e-01,
        -2.21679688e-01,  1.02050781e-01, -8.93554688e-02, -6.44531250e-02,
         1.97265625e-01, -2.20703125e-01, -3.94531250e-01, -7.56835938e-02,
        -1.23046875e-01,  5.34057617e-03,  9.42382812e-02, -1.43554688e-01,
        -7.08007812e-02,  6.25000000e-02,  5.40161133e-03,  9.13085938e-02,
         2.23632812e-01,  8.74023438e-02, -4.39453125e-02,  1.74804688e-01,
        -2.83203125e-02, -1.54418945e-02,  1.78710938e-01,  3.41796875e-02,
        -1.84326172e-02,  1.72851562e-01, -6.13403320e-03,  7.32421875e-02,
         2.83203125e-01, -4.12597656e-02,  2.92968750e-01, -2.79296875e-01,
        -1.10351562e-01, -8.78906250e-03, -2.06054688e-01,  3.79943848e-03,
        -7.47070312e-02,  3.93066406e-02,  9.71679688e-02,  1.42578125e-01,
         6.00585938e-02, -1.34765625e-01, -1.62109375e-01,  1.94335938e-01,
         6.17675781e-02,  2.43164062e-01, -2.30712891e-02, -1.90429688e-02,
         5.06591797e-03,  2.15820312e-01,  1.48437500e-01,  1.38549805e-02,
         4.07714844e-02,  6.64062500e-02, -7.71484375e-02,  7.95898438e-02,
        -8.69140625e-02, -4.78515625e-02, -1.66015625e-01,  2.46582031e-02,
        -1.25976562e-01, -1.45507812e-01,  1.34765625e-01, -4.57763672e-03,
         2.01416016e-02, -1.95312500e-01, -4.88281250e-03,  4.37011719e-02,
         2.06298828e-02, -9.42382812e-02,  3.14941406e-02, -2.09960938e-01,
        -7.56835938e-02, -1.40380859e-02,  1.53320312e-01,  1.57226562e-01,
        -7.75146484e-03,  3.68652344e-02, -1.14746094e-01,  2.53906250e-02,
        -2.05078125e-01,  2.01171875e-01,  9.66796875e-02,  7.81250000e-02,
        -9.61914062e-02, -3.36914062e-02, -1.84570312e-01,  6.31713867e-0
3],
       dtype=float32),
 'robust': array([-1.19140625e-01,  2.01171875e-01, -1.96289062e-01,  2.636
71875e-01,
        -1.81640625e-01, -1.00097656e-01, -9.96093750e-02, -1.21093750e-01,
         1.94335938e-01,  1.09375000e-01, -1.19140625e-01, -3.08837891e-02,
         4.88281250e-02, -6.59179688e-02,  1.13281250e-01,  3.41796875e-02,
         1.89453125e-01, -8.34960938e-02, -2.35351562e-01, -2.50244141e-02,
        -2.20947266e-02,  1.34765625e-01, -1.74804688e-01,  1.77734375e-01,
         1.83105469e-02, -3.14941406e-02, -4.76074219e-02,  5.22460938e-02,
         1.66015625e-01, -1.42578125e-01, -2.61230469e-02, -2.51464844e-02,
        -9.08203125e-02, -2.19726562e-01,  2.29492188e-02,  1.05468750e-01,
        -1.13281250e-01, -1.97265625e-01, -7.95898438e-02,  4.29687500e-02,
         1.88476562e-01, -8.98437500e-02,  1.86523438e-01,  3.04687500e-01,
         1.30615234e-02, -8.98437500e-02, -1.97265625e-01,  4.51660156e-02,
         1.71875000e-01, -4.76074219e-02,  3.61328125e-01, -1.38671875e-01,
        -1.21582031e-01,  7.12890625e-02,  1.65039062e-01,  8.39843750e-02,
        -6.29882812e-02, -3.35937500e-01,  1.02050781e-01, -2.53906250e-01,
        -2.75390625e-01, -1.94091797e-02, -4.17968750e-01, -5.81054688e-02,
        -5.02929688e-02,  1.66992188e-01, -2.00195312e-01, -1.79687500e-01,
         1.46484375e-02, -4.12597656e-02,  9.42382812e-02, -7.12890625e-02,
         2.94921875e-01,  7.71484375e-02, -1.64794922e-02,  6.59179688e-02,
         3.67187500e-01, -5.54199219e-02,  2.32421875e-01,  2.00195312e-01,
        -2.52685547e-02,  5.98144531e-02, -5.66406250e-02,  1.27563477e-02,
        -1.70135498e-03,  5.95092773e-03, -2.21679688e-01,  2.12890625e-01,
        -2.19726562e-01,  2.27050781e-02,  8.49609375e-02, -2.32421875e-01,
        -1.04980469e-01, -1.13281250e-01,  6.64062500e-02,  5.41687012e-04,
        -7.03125000e-02,  1.12792969e-01, -5.32226562e-02, -2.10937500e-01,
        -1.54296875e-01, -4.54101562e-02,  3.56445312e-02, -1.06933594e-01,
        -1.90429688e-02, -1.78710938e-01,  3.29589844e-03,  1.36718750e-01,
         1.47460938e-01, -6.17675781e-02,  1.39160156e-02, -2.79541016e-02,
        -1.62109375e-01,  1.63085938e-01,  9.99450684e-04, -7.91015625e-02,
         7.61718750e-02, -4.17480469e-02,  1.91406250e-01, -5.40161133e-03,
         4.54101562e-02, -1.69921875e-01,  1.49414062e-01,  4.58984375e-02,
        -6.68945312e-02,  8.30078125e-02,  6.34765625e-02,  9.27734375e-02,
        -2.85644531e-02,  1.16699219e-01, -1.63085938e-01,  2.35351562e-01,
         7.71484375e-02,  4.95605469e-02, -5.15136719e-02,  3.14941406e-02,
         3.84765625e-01, -2.95410156e-02, -1.00585938e-01,  9.47265625e-02,
        -2.79541016e-02,  4.44335938e-02,  9.37500000e-02,  1.57226562e-01,
        -4.93164062e-02, -2.21679688e-01, -1.23046875e-01, -3.44238281e-02,
```

```
         3.41796875e-01,  6.74438477e-03, -1.57356262e-05, -1.55273438e-01,
         1.14746094e-01,  1.43554688e-01, -8.59375000e-02, -3.22265625e-02,
        -8.25195312e-02,  1.28906250e-01,  4.63867188e-02, -2.84423828e-02,
        -7.56835938e-02, -6.25000000e-02, -9.27734375e-03, -1.62109375e-01,
         2.31445312e-01,  1.06445312e-01, -1.07421875e-01, -1.23046875e-01,
        -2.31445312e-01, -5.46875000e-02, -1.97265625e-01, -5.88378906e-02,
         1.04370117e-02, -1.49414062e-01,  1.49414062e-01,  1.54296875e-01,
        -1.00097656e-01, -8.88671875e-02, -2.89062500e-01,  1.73339844e-02,
        -2.07031250e-01, -1.30859375e-01, -4.27246094e-02, -2.73437500e-01,
        -1.47705078e-02,  3.58886719e-02, -1.28906250e-01, -6.93359375e-02,
        -1.21093750e-01, -5.71289062e-02, -2.50000000e-01, -9.76562500e-02,
        -9.57031250e-02, -2.14843750e-01, -6.03027344e-02, -9.91210938e-02,
        -1.39770508e-02, -2.34375000e-01, -8.64257812e-02, -1.76757812e-01,
        -3.61328125e-02,  2.61718750e-01,  6.93359375e-02, -1.21459961e-02,
        -1.62353516e-02, -4.17480469e-02,  1.94091797e-02, -2.71484375e-01,
         2.49023438e-02, -1.24023438e-01, -2.02148438e-01,  1.37695312e-01,
        -7.56835938e-02,  1.29882812e-01, -1.30859375e-01, -7.03125000e-02,
         2.83203125e-01,  7.22656250e-02, -5.95703125e-02,  3.06640625e-01,
         2.38037109e-02,  9.13085938e-02, -2.48046875e-01, -5.00488281e-02,
         5.90820312e-02, -2.83203125e-01,  7.22656250e-02, -2.65625000e-01,
         2.37304688e-01,  1.01562500e-01, -1.90429688e-01, -1.84631348e-03,
         2.09960938e-01, -3.71093750e-02, -1.00585938e-01,  4.63867188e-02,
        -1.70898438e-01, -1.07421875e-01,  3.08837891e-02, -6.54296875e-02,
         4.93164062e-02, -1.08642578e-02, -7.42187500e-02,  5.76171875e-02,
         1.68945312e-01, -1.68945312e-01,  9.52148438e-03, -2.25830078e-02,
        -9.66796875e-02, -2.28271484e-02,  4.58984375e-02, -3.97949219e-02,
        -8.44726562e-02, -6.53076172e-03, -1.12792969e-01, -5.93261719e-02,
        -1.19140625e-01, -2.45117188e-01, -1.16210938e-01, -1.03515625e-01,
         2.59765625e-01, -1.68945312e-01,  1.17187500e-01,  1.77734375e-01,
        -5.15136719e-02,  6.03027344e-02, -2.22656250e-01, -3.63281250e-01,
        -1.71875000e-01,  2.02636719e-02,  1.53320312e-01,  7.91015625e-02,
        -1.18652344e-01, -3.06396484e-02,  1.10473633e-02,  3.93066406e-02,
         5.85937500e-02,  3.05175781e-02,  3.54003906e-02,  2.08984375e-01,
        -4.68750000e-02,  2.53906250e-01, -4.24804688e-02, -8.15429688e-02,
         1.25976562e-01,  2.23388672e-02,  1.61132812e-01, -1.35742188e-01,
         2.50000000e-01, -1.11083984e-02, -1.55029297e-02,  3.46679688e-02,
         1.49414062e-01,  7.22656250e-02, -5.10253906e-02,  4.49218750e-02,
         2.41699219e-02, -1.42578125e-01,  5.05371094e-02, -6.98242188e-0
2],
       dtype=float32),
 'pto': array([ 0.0390625 , -0.07324219, -0.3046875 ,  0.07324219, -0.09960
938,
        -0.11279297,  0.00537109, -0.10693359, -0.08935547, -0.19726562,
         0.18261719, -0.0859375 , -0.17382812,  0.1328125 ,  0.17871094,
         0.11181641, -0.22558594, -0.05712891,  0.1484375 , -0.19921875,
         0.01965332,  0.109375  , -0.11279297,  0.39257812,  0.15625   ,
        -0.16113281, -0.34179688,  0.44140625,  0.21679688, -0.06225586,
        -0.08740234,  0.0390625 ,  0.03466797,  0.10253906, -0.08837891,
        -0.14453125,  0.08056641,  0.07519531, -0.0402832 , -0.18457031,
         0.0246582 , -0.04174805, -0.01043701, -0.00823975,  0.20507812,
        -0.15917969,  0.01623535, -0.19042969,  0.16113281,  0.08056641,
        -0.03198242, -0.203125  , -0.12011719, -0.06982422,  0.16113281,
        -0.03662109,  0.09570312,  0.06982422,  0.10449219,  0.08642578,
        -0.18554688, -0.19140625, -0.28515625, -0.19921875,  0.03686523,
        -0.03125   , -0.07226562,  0.04492188, -0.08300781,  0.21484375,
         0.09326172, -0.03808594,  0.03466797, -0.09570312, -0.02685547,
        -0.29492188,  0.1484375 , -0.15527344,  0.05664062, -0.17285156,
         0.19238281,  0.05761719, -0.02185059, -0.06542969,  0.32617188,
         0.10107422, -0.0144043 ,  0.02307129,  0.04516602,  0.03442383,
        -0.19726562,  0.05322266, -0.04003906,  0.05664062, -0.25390625,
        -0.20996094,  0.18066406, -0.359375  ,  0.3203125 , -0.0324707 ,
         0.09130859, -0.31835938, -0.07373047, -0.00823975, -0.16699219,
         0.10302734, -0.14257812, -0.01397705,  0.08740234,  0.10400391,
         0.02331543, -0.27539062, -0.01660156,  0.06884766,  0.21679688,
```

```
         0.01708984,  0.11962891, -0.07763672, -0.15136719, -0.14550781,
         0.18359375, -0.07666016, -0.14257812,  0.12304688, -0.04077148,
         0.15136719, -0.24804688, -0.0177002 , -0.0625    ,  0.19921875,
        -0.15136719,  0.08056641,  0.07861328, -0.06787109, -0.05273438,
         0.05200195,  0.16015625, -0.13085938, -0.17480469,  0.38476562,
         0.08203125, -0.28710938,  0.12988281, -0.11425781, -0.17480469,
         0.19921875, -0.10009766,  0.34179688,  0.03198242, -0.05126953,
         0.30859375, -0.25195312, -0.12695312, -0.06298828,  0.02648926,
        -0.16992188,  0.00079727,  0.32226562, -0.16699219, -0.16796875,
        -0.09423828,  0.11230469,  0.07421875, -0.01953125,  0.11474609,
        -0.23144531, -0.10595703, -0.0246582 , -0.25      , -0.28710938,
        -0.23828125, -0.1015625 , -0.06591797, -0.12988281,  0.00089645,
        -0.10839844,  0.04199219, -0.5859375 , -0.33398438,  0.08300781,
        -0.20703125,  0.03076172,  0.06689453,  0.21777344,  0.19726562,
         0.11669922,  0.0201416 ,  0.05908203, -0.14160156, -0.10986328,
         0.00933838, -0.09423828, -0.12011719, -0.13183594,  0.33984375,
        -0.09082031,  0.00175476, -0.24511719,  0.0013504 , -0.36914062,
         0.15917969, -0.15722656, -0.13476562,  0.14453125,  0.12304688,
        -0.06152344,  0.17871094, -0.07763672,  0.3515625 ,  0.30859375,
         0.35742188,  0.03613281, -0.15332031,  0.09570312, -0.140625  ,
        -0.08105469, -0.11816406,  0.12109375, -0.02075195,  0.22949219,
        -0.17089844,  0.03540039,  0.296875  ,  0.20605469, -0.16992188,
         0.00358582, -0.109375  ,  0.0703125 , -0.02612305, -0.12792969,
        -0.12207031,  0.15625   ,  0.15039062, -0.09179688, -0.328125  ,
         0.16894531,  0.0378418 , -0.12255859, -0.02307129,  0.00668335,
         0.01141357,  0.15527344, -0.02563477, -0.02722168, -0.27929688,
        -0.21972656, -0.31835938,  0.12060547, -0.07666016, -0.18164062,
         0.12402344, -0.01190186,  0.02819824, -0.08447266,  0.06152344,
        -0.17675781,  0.21386719,  0.05883789, -0.078125  ,  0.07861328,
         0.37890625,  0.02490234, -0.16308594, -0.03344727, -0.16796875,
         0.01855469, -0.06347656, -0.20214844, -0.20117188,  0.07617188,
         0.21679688,  0.01513672, -0.02026367,  0.09082031,  0.01733398,
         0.06005859,  0.02697754, -0.05493164,  0.05981445,  0.515625  ,
        -0.07763672, -0.11962891,  0.33007812, -0.17382812,  0.0050354 ,
        -0.09912109,  0.05322266,  0.07275391,  0.21386719,  0.01403809,
        -0.09033203,  0.3203125 , -0.21875   , -0.02941895, -0.12988281,
         0.03198242,  0.01446533, -0.02172852, -0.08398438,  0.0133667 ],
       dtype=float32),
 'holidays': array([ 0.21875   ,  0.16796875, -0.2109375 ,  0.2890625 , -0.
03039551,
        -0.2265625 , -0.03637695, -0.19140625,  0.25390625,  0.05664062,
         0.05249023,  0.04223633, -0.08642578,  0.26953125,  0.03833008,
        -0.05957031, -0.01489258,  0.17480469,  0.17871094, -0.18554688,
         0.29101562,  0.03173828,  0.16894531, -0.015625  , -0.03063965,
         0.10546875,  0.16699219, -0.20996094,  0.078125  ,  0.00092316,
        -0.07666016,  0.06445312,  0.24414062,  0.14648438,  0.09521484,
        -0.34375   , -0.25390625, -0.46484375, -0.16601562, -0.08105469,
         0.20214844, -0.16601562,  0.11083984, -0.03271484,  0.0859375 ,
        -0.22167969, -0.265625  ,  0.19042969, -0.06933594, -0.0112915 ,
         0.02441406,  0.08007812, -0.06689453,  0.40039062,  0.06884766,
        -0.05957031, -0.07421875,  0.03955078, -0.17871094, -0.10693359,
        -0.08886719, -0.01245117, -0.22558594,  0.09375   , -0.06591797,
         0.27929688, -0.14453125, -0.14257812, -0.1015625 , -0.15722656,
         0.23144531, -0.1640625 , -0.20410156,  0.21191406,  0.0625    ,
        -0.05371094, -0.265625  ,  0.06152344,  0.13085938,  0.05957031,
        -0.08203125, -0.07226562, -0.07861328, -0.11669922, -0.32421875,
         0.18554688, -0.24121094, -0.0090332 ,  0.03857422,  0.25390625,
         0.22753906,  0.00323486, -0.11132812, -0.35546875, -0.15820312,
        -0.01519775,  0.25585938,  0.07226562,  0.14257812,  0.03100586,
         0.16113281, -0.18945312,  0.13671875,  0.39648438,  0.2734375 ,
        -0.22949219,  0.12060547,  0.07568359, -0.13183594, -0.1875    ,
        -0.0390625 , -0.10546875,  0.27734375,  0.04150391,  0.16796875,
        -0.15527344,  0.16308594, -0.20410156, -0.06176758,  0.04980469,
        -0.0324707 ,  0.16308594,  0.13964844,  0.15625   ,  0.13671875,
```

```
         0.20996094, -0.00273132, -0.17089844, -0.22460938, -0.06079102,
        -0.08935547, -0.28320312,  0.01293945, -0.10888672, -0.2734375 ,
        -0.0067749 ,  0.04492188,  0.31640625,  0.19238281, -0.04174805,
         0.01733398, -0.19433594,  0.20800781,  0.07324219,  0.05639648,
         0.18359375, -0.04931641,  0.0168457 , -0.04101562, -0.03710938,
         0.22167969,  0.02709961,  0.00222778, -0.02416992, -0.0300293 ,
        -0.21386719,  0.14941406, -0.19433594, -0.25      , -0.07373047,
        -0.16308594,  0.21972656,  0.06738281,  0.10107422,  0.0043335 ,
         0.04711914, -0.16308594,  0.09130859, -0.1171875 ,  0.22949219,
        -0.17773438,  0.00695801, -0.04321289, -0.03491211, -0.15917969,
         0.26953125,  0.31054688, -0.00616455,  0.015625  ,  0.04516602,
        -0.2265625 , -0.14941406, -0.14257812, -0.08691406,  0.35742188,
        -0.21289062, -0.07617188, -0.05834961,  0.45507812,  0.25390625,
        -0.16601562,  0.00830078,  0.04296875,  0.03076172,  0.015625  ,
         0.19042969, -0.05371094,  0.05297852, -0.28710938,  0.04614258,
        -0.05322266, -0.03710938, -0.10351562, -0.09667969,  0.00854492,
        -0.08740234, -0.10546875, -0.08447266, -0.16699219,  0.00521851,
         0.07861328, -0.18164062, -0.01660156,  0.30859375, -0.01940918,
         0.22363281,  0.4140625 ,  0.11914062, -0.00616455,  0.09472656,
         0.07617188, -0.18066406,  0.08105469, -0.06738281, -0.41796875,
        -0.00741577, -0.14648438, -0.00585938, -0.16796875,  0.16308594,
        -0.04174805,  0.02636719, -0.23339844, -0.06689453,  0.07421875,
         0.15136719,  0.12109375, -0.14355469, -0.32226562, -0.16210938,
        -0.08496094,  0.07714844,  0.04638672, -0.28125   , -0.22753906,
        -0.13183594, -0.37304688, -0.02258301,  0.06494141, -0.21582031,
        -0.203125  , -0.01000977,  0.09570312, -0.08886719, -0.04467773,
         0.06933594, -0.05688477, -0.05493164,  0.07128906,  0.30273438,
         0.03686523, -0.28515625, -0.23925781, -0.18457031, -0.18847656,
         0.06982422,  0.03149414,  0.28125   , -0.40820312,  0.05541992,
         0.10791016,  0.41601562,  0.18261719,  0.05444336,  0.17871094,
        -0.21582031,  0.20996094,  0.02233887, -0.13671875, -0.234375  ,
        -0.19238281,  0.02172852, -0.16113281,  0.06738281,  0.25976562,
         0.14648438, -0.10546875,  0.26953125, -0.0032196 ,  0.20410156,
        -0.09228516, -0.04101562,  0.03588867,  0.1015625 ,  0.11767578,
         0.01324463, -0.29296875,  0.04443359,  0.39257812, -0.03588867],
       dtype=float32),
 'scheduling': array([ 0.00601196,  0.17871094, -0.09765625,  0.01000977,
0.02697754,
         0.02600098,  0.06640625, -0.21484375, -0.19628906,  0.15722656,
         0.16503906,  0.07958984,  0.00582886, -0.22167969,  0.11181641,
         0.26171875,  0.10986328, -0.00756836,  0.30859375, -0.09179688,
        -0.2421875 ,  0.15625   , -0.0402832 ,  0.19238281, -0.09277344,
         0.20703125, -0.03881836,  0.07519531, -0.24023438,  0.18164062,
         0.18066406,  0.2578125 , -0.0378418 , -0.11083984,  0.3359375 ,
        -0.00842285,  0.22265625, -0.03271484,  0.36328125, -0.10888672,
         0.30664062,  0.02392578,  0.07910156, -0.20214844, -0.18945312,
        -0.08740234, -0.32421875,  0.2109375 , -0.18847656,  0.03491211,
        -0.27539062, -0.16796875, -0.21289062,  0.08935547, -0.2265625 ,
         0.13085938,  0.23339844, -0.03881836,  0.21582031,  0.12695312,
         0.11865234,  0.06787109,  0.10498047, -0.02514648,  0.05834961,
         0.16015625, -0.10742188,  0.15332031, -0.13476562,  0.13769531,
         0.296875  ,  0.26367188,  0.13769531,  0.06079102,  0.03125   ,
        -0.00442505,  0.07958984, -0.24316406, -0.05664062,  0.45507812,
         0.12597656,  0.234375  , -0.34765625, -0.01184082,  0.3203125 ,
        -0.53515625, -0.06225586,  0.06933594,  0.27148438,  0.14355469,
         0.14355469, -0.14160156,  0.1484375 , -0.33007812,  0.18847656,
        -0.15625   , -0.04101562, -0.19824219, -0.25976562,  0.1640625 ,
         0.11669922, -0.17382812,  0.01806641, -0.5       , -0.00257874,
         0.07373047, -0.02746582, -0.12402344, -0.20898438, -0.09912109,
         0.09912109, -0.19042969,  0.0625    , -0.28515625,  0.26367188,
         0.20507812,  0.17382812, -0.33789062,  0.38867188, -0.00144196,
        -0.31445312, -0.00866699,  0.27539062,  0.42382812,  0.0625    ,
         0.1640625 , -0.375     ,  0.06933594,  0.15917969, -0.20703125,
        -0.05566406, -0.36914062, -0.25585938,  0.15234375, -0.0088501 ,
```

```
        -0.15820312, -0.04467773,  0.23242188, -0.06689453,  0.14257812,
         0.15429688, -0.38476562,  0.10693359, -0.04516602, -0.07666016,
        -0.04638672, -0.00430298, -0.06005859, -0.11083984,  0.42773438,
         0.00717163,  0.08544922,  0.02709961, -0.00213623, -0.01251221,
        -0.30273438,  0.33203125, -0.03295898,  0.02124023,  0.1640625 ,
        -0.515625  , -0.15234375, -0.07373047,  0.09082031, -0.08837891,
         0.3046875 ,  0.00349426, -0.06787109,  0.125     , -0.06396484,
        -0.00110626, -0.08837891,  0.08642578, -0.16894531,  0.07226562,
        -0.32421875,  0.06176758,  0.03149414, -0.22363281,  0.00656128,
        -0.06835938, -0.03466797,  0.234375  , -0.06982422,  0.22558594,
         0.16601562, -0.26171875, -0.12451172,  0.20703125, -0.04638672,
        -0.31835938, -0.07177734,  0.20410156,  0.12792969, -0.16601562,
        -0.20605469, -0.06494141, -0.18847656,  0.00442505, -0.2890625 ,
         0.07128906, -0.04614258, -0.18847656, -0.05566406,  0.08349609,
        -0.16699219,  0.16113281,  0.13964844,  0.28515625,  0.34765625,
         0.11083984,  0.171875  ,  0.10644531,  0.07080078, -0.07226562,
        -0.28320312,  0.06933594,  0.08544922, -0.25195312, -0.22363281,
        -0.08642578, -0.18554688,  0.23632812,  0.19433594, -0.18066406,
        -0.28125   , -0.08642578,  0.04638672,  0.08740234, -0.07861328,
        -0.10742188,  0.06103516, -0.09960938, -0.14941406, -0.06591797,
         0.08740234,  0.06689453, -0.40039062,  0.13964844, -0.14453125,
         0.09765625,  0.2265625 , -0.15136719, -0.48632812, -0.02734375,
         0.05834961, -0.26171875,  0.13183594, -0.32617188, -0.45703125,
        -0.11376953,  0.15332031, -0.26367188, -0.15722656, -0.03417969,
        -0.11767578,  0.04223633,  0.12304688,  0.03759766,  0.28515625,
         0.17675781,  0.01550293, -0.06445312,  0.01342773,  0.04882812,
        -0.07666016,  0.14453125, -0.02697754, -0.14746094, -0.03833008,
         0.20214844,  0.44335938, -0.21386719,  0.11767578,  0.07714844,
        -0.40429688, -0.00964355,  0.07666016,  0.19140625, -0.16601562,
        -0.35546875, -0.00836182,  0.02636719, -0.18359375,  0.16601562,
        -0.0177002 , -0.19921875,  0.0267334 ,  0.19042969,  0.18359375,
        -0.13867188,  0.12158203,  0.01544189, -0.02246094,  0.15234375,
        -0.03417969,  0.01342773,  0.03491211, -0.06396484,  0.03686523],
       dtype=float32),
 'conference': array([-1.46484375e-01,  1.18164062e-01,  2.42187500e-01, -
7.66601562e-02,
         6.29882812e-02, -1.49414062e-01,  1.34765625e-01, -8.39843750e-02,
         6.88476562e-02,  1.14746094e-01, -2.02148438e-01,  1.12304688e-01,
         8.74023438e-02,  8.15429688e-02, -1.51367188e-01, -1.99218750e-01,
         1.46484375e-01, -9.17968750e-02,  2.05993652e-03,  2.42919922e-02,
         1.48437500e-01,  1.21093750e-01, -2.30468750e-01,  1.36718750e-01,
         9.42382812e-02,  1.91406250e-01, -5.93261719e-02,  1.81640625e-01,
        -6.83593750e-02, -1.20849609e-02,  6.34765625e-02, -2.46582031e-02,
        -5.63964844e-02, -2.63671875e-01,  3.76953125e-01,  1.14746094e-01,
         2.41088867e-03,  5.20019531e-02,  2.22656250e-01,  1.23046875e-01,
         7.22656250e-02,  2.07519531e-02,  1.42578125e-01,  2.35351562e-01,
        -1.34765625e-01, -2.34375000e-01,  1.96533203e-02, -2.50244141e-03,
        -2.35351562e-01,  5.31250000e-01,  2.94921875e-01, -3.68652344e-02,
         2.30468750e-01, -3.80859375e-02, -5.07812500e-02, -1.32812500e-01,
        -1.48437500e-01, -7.61718750e-02,  1.15234375e-01, -1.31835938e-01,
        -1.97265625e-01, -1.16577148e-02, -2.16796875e-01, -9.86328125e-02,
        -1.21093750e-01,  5.59082031e-02,  3.97949219e-02,  2.91015625e-01,
         2.51953125e-01,  2.99072266e-02, -1.96533203e-02, -9.33837891e-03,
         1.45263672e-02, -9.13085938e-02, -1.95312500e-01,  8.78906250e-02,
         1.05590820e-02,  3.04687500e-01,  1.15234375e-01, -7.32421875e-03,
         1.81640625e-01,  2.81725079e-08, -4.47265625e-01, -1.46484375e-01,
         3.80859375e-02, -2.61718750e-01, -7.08007812e-03, -9.27734375e-02,
        -6.10351562e-02,  1.93359375e-01,  1.46484375e-01, -2.19726562e-01,
        -1.87988281e-02, -2.92968750e-01, -9.76562500e-02, -1.82617188e-01,
         2.21679688e-01,  1.18408203e-02,  1.47460938e-01,  1.98974609e-02,
         1.57470703e-02, -1.42578125e-01, -1.72851562e-01,  2.49023438e-01,
         8.05664062e-02,  2.59765625e-01,  2.30712891e-02, -2.35351562e-01,
         7.86132812e-02, -2.59765625e-01,  1.09375000e-01, -4.98046875e-02,
         9.96093750e-02, -9.27734375e-02,  4.54101562e-02,  5.29785156e-02,
```

```
        -6.83593750e-02, -2.27539062e-01,  2.42187500e-01, -1.46484375e-01,
         3.73535156e-02, -1.18164062e-01,  1.29394531e-02, -7.81250000e-03,
        -2.55859375e-01, -4.41406250e-01,  1.50390625e-01,  1.02050781e-01,
         4.19921875e-02, -4.73632812e-02,  6.39648438e-02, -2.46093750e-01,
         7.61718750e-02,  8.69140625e-02,  1.35742188e-01, -1.55273438e-01,
         1.59179688e-01,  2.96875000e-01, -1.90429688e-01,  1.04492188e-01,
         4.29687500e-02,  1.51367188e-01,  1.18652344e-01, -4.39453125e-01,
         3.29589844e-02, -9.22851562e-02,  3.85742188e-02, -3.08593750e-01,
         5.73730469e-02,  1.57226562e-01,  6.12792969e-02,  7.42187500e-02,
        -1.93359375e-01,  2.10937500e-01,  2.20703125e-01, -2.32421875e-01,
         7.27539062e-02, -8.05664062e-03, -3.36914062e-02, -2.50000000e-01,
         6.34765625e-02,  1.72851562e-01,  1.09375000e-01, -1.42578125e-01,
        -1.92382812e-01,  1.56250000e-02, -2.33398438e-01, -1.12304688e-02,
         1.16210938e-01,  2.74658203e-02,  7.56835938e-02,  1.01470947e-03,
         1.41601562e-01,  6.80541992e-03,  8.25195312e-02, -3.78906250e-01,
         1.40625000e-01,  2.37304688e-01, -2.13867188e-01, -1.57226562e-01,
         1.02050781e-01,  4.73632812e-02,  1.75781250e-01,  7.38525391e-03,
         3.88183594e-02,  3.12500000e-01, -1.60156250e-01, -8.20312500e-02,
        -1.22070312e-02,  2.11914062e-01,  3.24218750e-01, -1.49414062e-01,
         7.51953125e-02,  1.70898438e-01, -1.38671875e-01,  2.03125000e-01,
        -9.03320312e-02,  4.68750000e-02, -2.17285156e-02, -6.07910156e-02,
         4.37011719e-02,  2.61718750e-01,  1.53320312e-01,  6.43920898e-03,
         8.30078125e-02, -6.64062500e-02,  3.37890625e-01,  2.21679688e-01,
         1.03027344e-01, -5.51757812e-02, -6.15234375e-02, -2.06054688e-01,
        -3.26171875e-01,  9.76562500e-03, -5.93261719e-02,  3.12500000e-01,
        -1.06933594e-01, -1.46484375e-01, -1.06811523e-02, -9.13085938e-02,
         9.46044922e-03,  3.28125000e-01, -1.48437500e-01, -1.71875000e-01,
         4.56542969e-02, -1.19140625e-01, -4.66308594e-02,  8.69140625e-02,
         2.48718262e-03,  1.52587891e-02,  2.01171875e-01,  7.91015625e-02,
        -6.29882812e-02, -1.08398438e-01,  2.13867188e-01, -5.76171875e-02,
        -1.17675781e-01,  1.35742188e-01,  3.66210938e-02,  1.99218750e-01,
        -6.15234375e-02,  8.88671875e-02, -2.47070312e-01,  4.68750000e-02,
         1.12304688e-01,  1.34765625e-01,  1.36718750e-01, -2.19726562e-01,
        -6.20117188e-02, -6.73828125e-02, -2.00195312e-01,  1.83105469e-02,
        -4.73632812e-02, -3.24218750e-01,  8.74023438e-02,  5.00488281e-02,
         2.08007812e-01, -1.66015625e-01,  2.77343750e-01,  2.17773438e-01,
         1.09375000e-01,  9.03320312e-02,  9.61914062e-02,  2.44140625e-01,
         9.32617188e-02,  4.60937500e-01,  3.69140625e-01, -3.29589844e-02,
        -2.89062500e-01,  9.22851562e-02,  1.13769531e-01,  4.10156250e-02,
         4.46777344e-02, -3.14453125e-01,  3.00781250e-01,  1.26953125e-01,
         2.10937500e-01, -3.36914062e-02, -1.94335938e-01,  2.45117188e-01,
        -1.48437500e-01, -2.81250000e-01, -1.37695312e-01, -8.05664062e-02,
         8.17871094e-03, -9.42382812e-02,  1.66015625e-02, -5.00488281e-02,
        -2.16796875e-01,  1.51367188e-01, -1.43554688e-01, -1.18164062e-01,
         7.81250000e-02,  8.72802734e-03,  1.67968750e-01, -1.95312500e-01,
        -1.92382812e-01, -7.66601562e-02, -1.92382812e-01,  3.93066406e-0
2],
       dtype=float32),
 'balance': array([ 0.3203125 ,  0.05029297, -0.00762939, -0.11083984, -0.1
5625   ,
        -0.06445312,  0.01989746, -0.18359375, -0.04760742, -0.02294922,
        -0.28320312, -0.171875  , -0.06835938,  0.29296875, -0.06347656,
         0.08984375,  0.13085938,  0.08154297,  0.23828125, -0.01043701,
         0.19335938,  0.14550781, -0.07568359,  0.25      ,  0.00946045,
         0.19140625, -0.25195312, -0.11865234,  0.25976562,  0.13476562,
        -0.02099609, -0.15039062,  0.3046875 ,  0.19628906, -0.08300781,
        -0.04003906, -0.22070312,  0.09326172,  0.10888672,  0.18261719,
        -0.13183594, -0.20800781, -0.07666016, -0.02380371, -0.21777344,
         0.10302734,  0.14355469, -0.02734375, -0.07910156, -0.18457031,
        -0.13867188,  0.00634766, -0.06982422, -0.15039062, -0.11425781,
         0.006073  , -0.28515625, -0.08984375,  0.03759766, -0.18066406,
        -0.09667969,  0.09277344, -0.10107422, -0.02575684,  0.19628906,
         0.06054688,  0.15722656,  0.0625    ,  0.328125  ,  0.07470703,
        -0.04882812, -0.23730469,  0.07421875, -0.09912109, -0.23925781,
```

```
         0.06982422, -0.13769531,  0.06835938, -0.3125    ,  0.27734375,
         0.02197266, -0.10595703,  0.14453125,  0.04125977,  0.02978516,
        -0.04931641, -0.15917969,  0.06591797,  0.11132812,  0.31640625,
         0.11572266,  0.01385498,  0.16308594,  0.00286865, -0.13183594,
        -0.23339844, -0.15527344,  0.01483154, -0.14648438, -0.21679688,
        -0.12304688, -0.47070312, -0.05688477,  0.19921875,  0.24707031,
        -0.41796875, -0.3046875 , -0.04370117,  0.04931641,  0.00049591,
        -0.19628906, -0.03613281, -0.06152344,  0.11621094, -0.0625    ,
         0.31054688, -0.02563477,  0.18066406, -0.17675781,  0.17578125,
         0.04907227,  0.14941406,  0.40820312,  0.265625  , -0.05834961,
         0.10253906, -0.05517578, -0.03881836,  0.01019287, -0.296875  ,
         0.23242188, -0.0559082 , -0.31835938, -0.03198242,  0.02893066,
        -0.01708984, -0.11035156,  0.02929688,  0.07324219,  0.0123291 ,
        -0.00340271, -0.20703125,  0.02929688,  0.26367188, -0.02978516,
        -0.00811768, -0.25585938,  0.17480469,  0.18554688,  0.17773438,
        -0.00848389, -0.04467773, -0.32226562,  0.13671875, -0.0703125 ,
        -0.08007812, -0.01348877, -0.33398438, -0.23242188,  0.18359375,
        -0.09130859, -0.18554688, -0.01989746, -0.05761719,  0.02856445,
         0.08642578, -0.1171875 , -0.16015625,  0.11230469,  0.07226562,
        -0.28515625,  0.11425781,  0.03417969, -0.03320312, -0.06201172,
        -0.25976562,  0.31445312, -0.11132812, -0.11914062,  0.01904297,
        -0.15527344, -0.03076172,  0.05395508, -0.00637817, -0.02600098,
        -0.21875   ,  0.00512695,  0.23730469,  0.046875  , -0.10253906,
         0.02111816, -0.02038574, -0.30859375, -0.14648438, -0.21679688,
        -0.1015625 ,  0.04931641, -0.02062988, -0.0480957 , -0.22265625,
        -0.171875  ,  0.10839844, -0.1640625 , -0.17675781,  0.05444336,
        -0.16796875, -0.48828125, -0.02502441,  0.05932617,  0.09179688,
        -0.3828125 , -0.0559082 , -0.03088379,  0.07128906, -0.25      ,
        -0.05737305, -0.05297852, -0.03076172, -0.04174805,  0.00107574,
         0.18359375,  0.11279297, -0.13964844, -0.06640625,  0.09863281,
         0.07617188, -0.07910156,  0.00872803, -0.22949219,  0.21191406,
        -0.11474609,  0.109375  ,  0.06884766, -0.07373047,  0.08740234,
        -0.015625  , -0.22753906, -0.00830078,  0.01403809,  0.1328125 ,
        -0.16699219, -0.10644531,  0.22949219, -0.43359375,  0.09179688,
         0.12255859, -0.3359375 , -0.10058594, -0.19042969,  0.08544922,
        -0.02124023,  0.13476562, -0.25390625, -0.01977539,  0.08789062,
        -0.25390625,  0.14355469, -0.04394531, -0.12353516,  0.3125    ,
         0.10302734, -0.06152344, -0.34960938, -0.09472656, -0.02709961,
         0.13183594, -0.15039062, -0.15625   , -0.12890625, -0.015625  ,
        -0.15332031,  0.04760742, -0.03442383,  0.0201416 ,  0.140625  ,
         0.22363281, -0.13085938, -0.20800781, -0.234375  ,  0.23339844,
         0.22851562,  0.21582031, -0.04638672, -0.01116943, -0.01647949,
        -0.19433594, -0.13867188, -0.16992188,  0.33007812,  0.02526855,
        -0.20019531,  0.16992188, -0.06542969, -0.22851562, -0.17285156,
        -0.05615234,  0.24707031,  0.01422119, -0.04589844, -0.078125  ],
       dtype=float32),
 'opportunities': array([-2.44140625e-01,  2.77343750e-01, -7.95898438e-02,
-7.32421875e-02,
         3.51562500e-02, -1.88476562e-01, -3.73535156e-02, -1.39648438e-01,
        -6.25000000e-02, -8.10546875e-02, -1.11328125e-01, -1.55273438e-01,
        -5.95703125e-02, -1.25976562e-01,  1.49536133e-02, -2.73437500e-01,
        -5.12695312e-02,  3.33984375e-01,  2.67578125e-01, -1.76757812e-01,
         8.98437500e-02, -1.33789062e-01,  1.18652344e-01,  3.57421875e-01,
        -1.34765625e-01,  2.71484375e-01, -1.53320312e-01,  1.66015625e-01,
         2.19726562e-02,  1.05957031e-01, -3.58581543e-03,  3.71093750e-02,
         5.27343750e-02, -6.25000000e-02,  7.32421875e-02,  1.63085938e-01,
         1.25000000e-01, -2.13867188e-01,  1.18652344e-01, -4.93164062e-02,
        -1.73828125e-01,  1.91406250e-01, -1.12792969e-01,  1.48437500e-01,
         2.13623047e-04, -1.58203125e-01, -7.86132812e-02,  1.51367188e-01,
        -1.25976562e-01,  1.05957031e-01,  8.74023438e-02,  2.97851562e-02,
        -4.66308594e-02,  1.62109375e-01, -3.32031250e-01, -2.55859375e-01,
         2.21679688e-01, -1.84570312e-01,  1.67968750e-01, -3.41796875e-01,
        -1.31835938e-01, -8.78906250e-02, -1.83593750e-01, -1.45507812e-01,
        -2.31445312e-01,  1.98242188e-01,  1.02050781e-01, -8.64257812e-02,
```

```
         3.31115723e-03,  1.83593750e-01, -2.09960938e-01, -2.30712891e-02,
         1.67968750e-01,  2.79541016e-02, -1.17797852e-02, -1.15234375e-01,
        -1.79687500e-01,  2.63671875e-01,  8.54492188e-02,  7.76367188e-02,
        -3.41796875e-01,  4.70703125e-01,  7.37304688e-02,  1.35742188e-01,
        -7.56835938e-02, -2.17773438e-01, -1.14257812e-01,  1.40625000e-01,
         1.84326172e-02, -1.79687500e-01,  1.99218750e-01,  3.49121094e-02,
        -1.63085938e-01, -8.74023438e-02,  1.52343750e-01, -5.88378906e-02,
        -1.10839844e-01,  2.57812500e-01,  2.13867188e-01, -1.64062500e-01,
        -1.26953125e-01, -1.96289062e-01, -1.61132812e-01,  2.73437500e-01,
         1.87500000e-01, -2.34375000e-01, -3.85742188e-02,  1.40380859e-02,
         1.37695312e-01, -7.76367188e-02,  1.71875000e-01,  1.27929688e-01,
        -3.63769531e-02, -5.07812500e-02,  2.71484375e-01, -6.17675781e-02,
         3.10546875e-01, -2.38281250e-01,  1.00097656e-01, -1.17675781e-01,
        -5.54199219e-02,  5.59082031e-02,  1.82617188e-01,  1.29882812e-01,
        -1.34765625e-01,  1.21459961e-02, -1.63085938e-01,  3.18359375e-01,
        -1.55273438e-01,  2.71484375e-01,  1.04980469e-01,  9.71679688e-02,
         6.34765625e-02, -4.56542969e-02,  9.27734375e-02, -1.29882812e-01,
        -8.83789062e-02,  3.89099121e-03,  1.61132812e-01,  3.55468750e-01,
        -8.93554688e-02,  8.54492188e-03,  1.31835938e-01,  2.96875000e-01,
         1.10351562e-01, -2.35595703e-02,  2.84423828e-02, -4.41894531e-02,
        -2.78320312e-02, -3.34472656e-02, -5.61523438e-02,  4.57031250e-01,
        -5.51757812e-02,  1.54296875e-01,  1.04370117e-02,  2.61718750e-01,
         1.62353516e-02, -3.47656250e-01,  7.93457031e-04, -3.39843750e-01,
         1.42578125e-01,  2.09960938e-01, -3.90625000e-02,  1.57226562e-01,
         7.95898438e-02,  1.80664062e-01,  7.91015625e-02,  7.66601562e-02,
        -7.61718750e-02, -9.03320312e-02, -8.54492188e-02,  2.06054688e-01,
        -2.33398438e-01, -2.85156250e-01,  3.28125000e-01, -3.49426270e-03,
         1.79443359e-02, -1.44531250e-01, -6.34765625e-02, -1.87988281e-02,
        -1.86523438e-01, -2.14843750e-01,  2.83203125e-02,  1.76757812e-01,
        -4.04296875e-01, -2.35351562e-01,  1.29882812e-01,  1.29882812e-01,
         3.41796875e-01,  9.76562500e-02, -1.98242188e-01, -1.90429688e-01,
        -3.58886719e-02,  1.18164062e-01, -1.53320312e-01,  2.57812500e-01,
        -1.86523438e-01, -1.80664062e-01,  3.85742188e-02, -3.80859375e-01,
        -6.49414062e-02,  7.38525391e-03,  8.74023438e-02, -2.43164062e-01,
         4.83398438e-02, -1.15722656e-01,  3.14941406e-02, -6.49414062e-02,
        -1.84570312e-01,  1.03027344e-01,  1.22070312e-01,  2.26562500e-01,
        -2.67578125e-01,  1.80664062e-01,  3.79943848e-03,  1.08398438e-01,
         3.51562500e-01,  5.05371094e-02, -7.17773438e-02,  6.68945312e-02,
         1.32812500e-01, -9.76562500e-02, -2.75390625e-01,  4.39453125e-02,
        -5.93261719e-02, -7.86132812e-02, -2.31933594e-02, -2.63671875e-01,
         1.29882812e-01,  4.83398438e-02, -2.59765625e-01,  1.90429688e-01,
         1.38671875e-01, -7.03125000e-02,  2.69531250e-01, -1.03515625e-01,
        -6.15234375e-02, -3.01513672e-02,  1.06933594e-01, -2.85644531e-02,
        -6.73828125e-02,  1.41601562e-01, -5.00488281e-02, -1.31835938e-01,
         7.71484375e-02, -9.61914062e-02, -4.17480469e-02,  8.00781250e-02,
        -1.03027344e-01, -8.93554688e-02,  2.36328125e-01, -3.71093750e-02,
         1.72119141e-02,  1.18164062e-01, -4.69970703e-03,  3.06396484e-02,
         3.08593750e-01, -1.13769531e-01, -1.92382812e-01, -1.74804688e-01,
        -2.53906250e-01,  2.75390625e-01,  2.53906250e-02,  9.37500000e-02,
         4.71191406e-02,  1.63085938e-01,  2.20703125e-01,  3.16406250e-01,
        -3.08593750e-01, -2.26562500e-01,  1.01318359e-02,  1.59179688e-01,
        -5.76171875e-02,  8.69140625e-02,  2.66113281e-02,  2.30468750e-01,
         3.87573242e-03, -1.90429688e-02, -7.47070312e-02,  2.51953125e-01,
        -2.53906250e-01, -2.75390625e-01,  8.25195312e-02,  2.27539062e-01,
        -2.61718750e-01,  2.43164062e-01,  2.37304688e-01,  1.07421875e-01,
        -8.00781250e-02, -2.20947266e-02, -1.06933594e-01, -1.72119141e-02,
        -3.73046875e-01, -2.53906250e-01,  5.63964844e-02,  1.90429688e-01,
         2.77343750e-01, -4.34570312e-02, -7.81250000e-02, -2.71484375e-0
1],
       dtype=float32),
 'leadership': array([-5.44433594e-02,  6.54296875e-02, -5.51757812e-02, -
1.31835938e-01,
        -8.78906250e-02, -2.45117188e-01, -1.61132812e-01, -2.92968750e-01,
         1.36718750e-01,  6.29882812e-02, -1.19628906e-01,  9.61914062e-02,
```

```
 2.08740234e-02,  1.10839844e-01, -1.19628906e-01,  7.91015625e-02,
 3.49121094e-02,  1.18652344e-01, -2.79296875e-01, -2.63671875e-01,
-2.11181641e-02,  1.34887695e-02,  4.24804688e-02,  2.99072266e-02,
 1.00585938e-01,  4.90722656e-02,  1.08032227e-02, -1.21093750e-01,
 2.45666504e-03, -6.17675781e-02,  3.54003906e-02, -1.97265625e-01,
-1.44531250e-01,  2.09960938e-01,  3.65234375e-01,  1.07421875e-02,
-1.19140625e-01,  1.86523438e-01, -1.19781494e-03, -1.70898438e-01,
 1.50390625e-01, -2.14843750e-01, -1.85546875e-02, -1.71875000e-01,
-9.66796875e-02, -1.76757812e-01, -1.90429688e-01,  1.37329102e-02,
-9.66796875e-02,  1.50146484e-02, -6.29882812e-02,  7.71484375e-02,
-5.17578125e-02,  1.76757812e-01,  8.74023438e-02,  9.52148438e-02,
 7.27539062e-02,  1.09863281e-01, -5.46875000e-02, -1.21093750e-01,
-1.46484375e-01,  3.14453125e-01, -1.19140625e-01,  1.06933594e-01,
-2.86865234e-02, -1.20849609e-02,  8.20312500e-02,  4.17968750e-01,
 3.00781250e-01,  1.85546875e-01, -3.93066406e-02,  1.18164062e-01,
 1.35742188e-01, -1.20117188e-01,  2.27050781e-02, -1.31835938e-01,
 3.75976562e-02,  1.20605469e-01,  1.70898438e-01, -8.78906250e-02,
 2.40234375e-01,  2.06054688e-01,  4.37011719e-02, -3.75976562e-02,
-3.24707031e-02, -2.13867188e-01,  2.69775391e-02, -4.00390625e-02,
-5.61523438e-02,  4.13894653e-04,  2.83203125e-01, -1.93359375e-01,
 1.67968750e-01, -9.03320312e-02,  1.54296875e-01, -5.02929688e-02,
-1.38671875e-01, -1.45263672e-02,  5.39550781e-02, -5.98144531e-02,
-1.65039062e-01, -5.68847656e-02, -1.08398438e-01,  2.75390625e-01,
-2.89306641e-02, -2.41210938e-01,  5.90820312e-02, -2.61718750e-01,
 1.00585938e-01,  4.44335938e-02, -1.32812500e-01, -1.13281250e-01,
-2.39257812e-01,  7.37304688e-02,  9.32617188e-02, -6.44531250e-02,
 1.84570312e-01, -1.24023438e-01,  1.80664062e-01, -1.47460938e-01,
-9.32617188e-02, -2.07031250e-01,  7.32421875e-02,  7.47070312e-02,
-1.60156250e-01, -1.22070312e-01, -4.61425781e-02,  1.89208984e-02,
-6.98242188e-02,  2.37304688e-01, -1.28906250e-01, -2.24609375e-02,
-1.05468750e-01,  9.91210938e-02,  1.29882812e-01,  8.44726562e-02,
 1.89453125e-01, -1.61132812e-01,  1.26953125e-02,  2.21679688e-01,
-2.81250000e-01,  8.64257812e-02,  4.56542969e-02, -8.39843750e-02,
-7.37304688e-02, -6.93359375e-02,  2.24609375e-01, -2.31933594e-02,
 2.05078125e-01,  1.66992188e-01,  1.57226562e-01,  1.88476562e-01,
-9.71679688e-02,  2.39257812e-01, -1.76757812e-01,  8.05664062e-03,
 1.35742188e-01, -1.42578125e-01, -5.49316406e-02, -4.98046875e-02,
 1.89453125e-01,  8.60595703e-03,  3.19824219e-02,  5.78613281e-02,
-3.01513672e-02, -1.09863281e-01,  2.19726562e-01, -2.11181641e-02,
 1.29882812e-01,  1.88476562e-01,  2.37304688e-01,  3.85742188e-02,
 4.32128906e-02, -4.39453125e-01,  3.47656250e-01, -1.61132812e-01,
-9.47265625e-02, -1.36718750e-01,  4.41894531e-02, -3.33984375e-01,
-2.65625000e-01,  3.89099121e-04,  2.64892578e-02, -9.08203125e-02,
-4.19921875e-02,  8.30078125e-02,  2.33154297e-02, -3.73535156e-02,
 1.56250000e-01,  2.63671875e-02,  1.06933594e-01,  3.12500000e-02,
 1.25000000e-01,  1.10351562e-01, -2.83203125e-02, -4.44335938e-02,
 1.77001953e-02,  2.09960938e-01,  1.76757812e-01, -5.85937500e-02,
-4.47265625e-01,  9.47265625e-02,  1.75781250e-01, -4.34570312e-02,
-1.31835938e-01, -1.82617188e-01,  1.42578125e-01, -3.14453125e-01,
 1.11328125e-01, -1.80664062e-01, -1.91406250e-01, -1.78710938e-01,
-4.66308594e-02,  6.34765625e-02,  1.04492188e-01, -6.15234375e-02,
 5.46264648e-03,  1.17797852e-02, -2.41699219e-02,  1.61132812e-01,
-4.27246094e-02,  1.46484375e-01,  1.36718750e-01,  2.02148438e-01,
 1.46484375e-01,  4.73632812e-02,  1.99218750e-01, -6.15234375e-02,
 2.62451172e-02,  1.45507812e-01, -2.65625000e-01,  4.73632812e-02,
-1.77764893e-03, -1.17187500e-01,  1.67968750e-01, -2.40234375e-01,
 2.96630859e-02,  4.66918945e-03,  7.76367188e-02,  5.71289062e-02,
-1.04003906e-01, -1.24511719e-01, -7.51953125e-02,  8.15429688e-02,
 1.93359375e-01, -1.05957031e-01, -2.60009766e-02, -2.81250000e-01,
-5.56640625e-02,  7.32421875e-02, -3.11279297e-02,  2.04101562e-01,
-4.16015625e-01,  1.44531250e-01,  9.09423828e-03, -5.07812500e-02,
 8.88671875e-02,  2.01171875e-01, -1.01562500e-01, -9.03320312e-02,
 2.27539062e-01, -1.04492188e-01,  3.46374512e-03,  2.35351562e-01,
 2.63671875e-02,  1.73828125e-01,  7.91015625e-02,  1.33789062e-01,
```

```
        -4.02343750e-01,  7.27539062e-02, -2.35351562e-01,  2.11914062e-01,
         3.83300781e-02, -6.44531250e-02, -2.19726562e-01,  9.47265625e-02,
        -4.76074219e-02, -1.84570312e-01, -7.27539062e-02, -5.29785156e-02,
        -4.34570312e-02, -7.08007812e-02,  1.64062500e-01,  2.40234375e-01,
        -4.10156250e-02,  5.61523438e-02,  1.48437500e-01, -8.36181641e-03,
         2.21679688e-01, -1.28906250e-01, -2.71484375e-01,  1.15234375e-01,
        -1.87500000e-01, -1.10839844e-01, -9.08203125e-02,  2.62451172e-02,
         1.66015625e-01,  1.15234375e-01, -5.10253906e-02,  2.61718750e-0
1],
       dtype=float32),
 'career': array([ 0.05200195,  0.13867188, -0.14453125,  0.20019531,  0.56
640625,
        -0.16015625,  0.00289917, -0.19238281,  0.19921875, -0.03393555,
         0.12353516, -0.18164062,  0.06591797, -0.18066406, -0.08056641,
         0.05078125,  0.15527344,  0.07421875,  0.08496094, -0.24609375,
         0.01818848,  0.24316406, -0.04882812, -0.04223633, -0.33203125,
        -0.23925781, -0.1640625 , -0.03198242, -0.00695801,  0.3046875 ,
         0.32421875, -0.15722656,  0.17675781, -0.20605469,  0.04077148,
         0.11279297,  0.1171875 , -0.14550781, -0.03112793, -0.07910156,
         0.46484375,  0.10058594, -0.07421875, -0.11132812, -0.04589844,
         0.234375  ,  0.05224609,  0.01196289,  0.25390625,  0.24609375,
        -0.07714844, -0.01281738,  0.14160156,  0.00396729, -0.10791016,
        -0.04907227,  0.02294922, -0.26367188, -0.18652344, -0.11962891,
        -0.1328125 ,  0.1796875 ,  0.14160156, -0.19921875, -0.20410156,
         0.38085938,  0.02209473, -0.09716797,  0.15332031, -0.12402344,
        -0.05541992, -0.06640625,  0.06640625,  0.19726562, -0.22167969,
        -0.19628906, -0.06298828,  0.11328125,  0.109375  , -0.03735352,
        -0.11132812, -0.06347656,  0.16113281, -0.16015625,  0.40234375,
         0.02819824, -0.17773438,  0.11914062,  0.29296875, -0.09570312,
        -0.18261719,  0.03271484, -0.33203125, -0.125     ,  0.06176758,
        -0.24511719,  0.30664062,  0.14746094,  0.05444336, -0.09472656,
         0.07226562,  0.484375  , -0.24121094, -0.15820312, -0.22070312,
         0.12109375,  0.13964844,  0.23242188,  0.17773438,  0.02893066,
         0.24511719,  0.06835938,  0.07226562,  0.04321289,  0.18652344,
        -0.22851562, -0.12792969,  0.02111816,  0.23046875,  0.03393555,
        -0.296875  ,  0.12890625,  0.07275391,  0.13671875,  0.08007812,
        -0.34960938,  0.15429688, -0.03662109, -0.47265625,  0.15625   ,
        -0.13085938, -0.23144531, -0.06152344, -0.29492188, -0.02197266,
         0.13476562, -0.32421875,  0.30273438, -0.15527344, -0.01086426,
        -0.12597656, -0.01330566, -0.28125   ,  0.06738281, -0.00157166,
         0.17773438,  0.16210938,  0.15429688, -0.32617188,  0.12011719,
        -0.10058594, -0.09716797, -0.22167969,  0.07519531, -0.14941406,
        -0.04125977,  0.00692749, -0.43359375,  0.11669922, -0.4765625 ,
        -0.01507568,  0.26367188,  0.04199219,  0.18261719,  0.01696777,
        -0.03735352,  0.02990723, -0.2578125 ,  0.0234375 ,  0.21484375,
         0.00579834, -0.05102539,  0.09033203, -0.30273438,  0.0534668 ,
        -0.15429688,  0.1875    ,  0.03039551, -0.16015625, -0.03149414,
        -0.18359375,  0.06225586,  0.02160645,  0.08544922, -0.33007812,
        -0.14648438, -0.19726562,  0.08789062,  0.19140625,  0.0234375 ,
         0.22167969,  0.20996094,  0.07177734,  0.44335938, -0.02563477,
         0.21777344,  0.01757812, -0.03271484,  0.10400391, -0.01818848,
        -0.19921875,  0.06201172,  0.16796875,  0.07226562,  0.08886719,
        -0.34375   , -0.5       , -0.16601562,  0.01495361,  0.04003906,
        -0.12304688, -0.22851562, -0.01446533,  0.05615234, -0.09033203,
         0.20800781, -0.07226562,  0.203125  , -0.11230469, -0.07666016,
         0.03662109, -0.03112793, -0.05688477, -0.03930664,  0.26953125,
        -0.15625   , -0.28320312, -0.17382812, -0.19335938, -0.04321289,
         0.18945312, -0.05175781, -0.13476562, -0.12060547, -0.01263428,
         0.17871094, -0.28320312,  0.05541992, -0.20410156, -0.00439453,
         0.14453125,  0.07177734,  0.05004883, -0.33789062, -0.08398438,
         0.05883789, -0.00616455, -0.11523438,  0.00976562, -0.08398438,
         0.04272461, -0.17480469, -0.14550781,  0.15039062,  0.0088501 ,
        -0.04077148,  0.02026367,  0.29296875, -0.25195312, -0.03979492,
         0.05834961, -0.01391602,  0.296875  ,  0.3125    ,  0.09521484,
```

```
         0.20214844,  0.02929688,  0.14648438, -0.2578125 , -0.05786133,
        -0.00793457, -0.28515625,  0.11523438,  0.13476562, -0.12304688,
        -0.00230408,  0.11035156, -0.11230469, -0.0100708 ,  0.01611328,
         0.02661133, -0.01025391, -0.04443359,  0.20605469, -0.21679688,
        -0.03881836, -0.02392578,  0.07177734,  0.03295898, -0.0135498 ,
        -0.08300781,  0.01745605, -0.38671875, -0.19238281, -0.26757812,
        -0.24414062,  0.28125   ,  0.04833984, -0.24121094,  0.01422119],
       dtype=float32),
 'advancement': array([-3.04687500e-01, -1.63574219e-02, -1.26953125e-01,
2.99072266e-02,
         5.05371094e-02, -1.16210938e-01,  3.34472656e-02, -5.31250000e-01,
         1.30859375e-01,  2.57812500e-01, -2.57812500e-01, -1.28784180e-02,
         3.68652344e-02,  2.57568359e-02,  7.47070312e-02, -1.94335938e-01,
         1.05957031e-01,  1.95503235e-04, -6.39648438e-02, -6.12792969e-02,
        -1.55273438e-01, -1.84631348e-03, -8.59375000e-02,  7.08007812e-02,
        -9.81445312e-02,  2.26562500e-01, -3.22265625e-01, -1.84326172e-02,
        -1.40625000e-01, -1.19018555e-02, -7.08007812e-03, -3.45703125e-01,
         4.00390625e-02, -2.11914062e-01,  1.21093750e-01,  1.06933594e-01,
         6.93359375e-02,  1.12792969e-01,  1.88476562e-01, -4.06250000e-01,
         7.91015625e-02,  3.39843750e-01, -6.93359375e-02,  6.78710938e-02,
        -1.45507812e-01, -2.50000000e-01, -1.43554688e-01,  7.17773438e-02,
        -2.00195312e-02, -1.20239258e-02,  6.20117188e-02,  6.59179688e-02,
         1.23046875e-01,  6.07910156e-02,  4.49218750e-02,  1.57226562e-01,
        -1.00585938e-01, -2.53906250e-01,  7.17773438e-02,  7.65991211e-03,
        -1.18652344e-01,  4.19921875e-02,  1.33789062e-01,  2.42919922e-02,
        -4.24804688e-02,  1.72851562e-01, -9.03320312e-03,  4.56542969e-02,
        -1.96838379e-03,  1.43554688e-01, -3.26171875e-01, -7.13348389e-04,
         3.03955078e-02,  5.66406250e-02, -5.73730469e-02, -1.96289062e-01,
         3.58886719e-02,  2.02941895e-03,  1.28906250e-01,  3.41796875e-01,
        -1.73339844e-02,  1.98242188e-01,  5.46875000e-02,  1.86523438e-01,
         9.57031250e-02, -6.64062500e-02, -1.49414062e-01,  1.27929688e-01,
         1.06933594e-01,  2.57568359e-02,  1.71875000e-01, -3.24218750e-01,
         7.95898438e-02, -1.18164062e-01,  4.47265625e-01, -5.44433594e-02,
         2.33398438e-01,  1.07910156e-01,  2.41699219e-02, -4.02832031e-02,
        -1.08398438e-01, -8.15429688e-02, -1.74560547e-02, -1.60156250e-01,
         1.79687500e-01,  1.22070312e-01, -1.48437500e-01, -5.39550781e-02,
         2.06054688e-01, -1.68945312e-01, -4.00390625e-02,  1.72119141e-02,
         4.83398438e-02,  2.91015625e-01,  1.71875000e-01,  1.14257812e-01,
         1.64062500e-01, -1.12304688e-01,  1.53320312e-01,  1.13281250e-01,
         9.37500000e-02,  4.41894531e-02,  1.05468750e-01, -1.86920166e-03,
        -1.28906250e-01,  1.40625000e-01, -1.15234375e-01,  1.24023438e-01,
        -1.75781250e-01,  2.27539062e-01,  1.70898438e-01,  1.20605469e-01,
        -1.43554688e-01,  9.91210938e-02, -1.06201172e-02,  7.76367188e-02,
        -1.57226562e-01, -6.93359375e-02, -1.06933594e-01,  7.71484375e-02,
         3.17382812e-02, -2.87109375e-01, -1.06933594e-01,  3.28125000e-01,
        -1.41601562e-01,  1.72119141e-02,  5.17578125e-02, -5.44433594e-02,
         1.47460938e-01,  6.01196289e-03, -5.34667969e-02, -4.41894531e-02,
        -1.80664062e-01, -2.27050781e-02, -1.22070312e-01,  8.05664062e-02,
         2.75878906e-02,  9.46044922e-03,  1.57226562e-01, -3.90625000e-01,
         3.97949219e-02, -1.69921875e-01, -2.65625000e-01,  3.06640625e-01,
         5.54199219e-02, -2.65625000e-01,  7.12890625e-02, -1.24023438e-01,
         4.12597656e-02, -2.41699219e-02,  3.16406250e-01, -7.17163086e-03,
        -4.58984375e-02, -6.17675781e-02,  1.65039062e-01, -1.87988281e-02,
        -2.18750000e-01, -3.86718750e-01,  1.67968750e-01,  1.79687500e-01,
        -1.49414062e-01, -1.46484375e-01,  3.00781250e-01, -2.32421875e-01,
        -2.61718750e-01, -4.19921875e-02,  2.31933594e-02,  1.89453125e-01,
         1.80664062e-01,  2.01171875e-01, -3.85742188e-02,  4.41894531e-02,
        -9.09423828e-03, -9.08203125e-02,  3.56445312e-02,  1.85546875e-02,
        -5.06591797e-03,  1.63085938e-01,  3.97949219e-02, -2.17773438e-01,
        -1.23535156e-01,  1.28906250e-01,  6.83593750e-02, -1.24511719e-01,
        -2.65625000e-01, -2.67578125e-01,  8.54492188e-02, -5.12695312e-02,
        -1.76757812e-01,  3.27148438e-02, -4.32128906e-02,  1.86523438e-01,
        -2.83203125e-01,  2.50000000e-01,  1.33789062e-01,  2.43164062e-01,
         1.13281250e-01, -1.95312500e-01, -2.52685547e-02, -1.60156250e-01,
```

```
        -1.57226562e-01, -3.22265625e-01,  2.18750000e-01,  1.57226562e-01,
         3.44848633e-03,  2.77099609e-02,  1.32812500e-01, -1.13281250e-01,
        -1.35742188e-01,  4.88281250e-02,  1.80664062e-02,  2.29492188e-01,
        -1.98242188e-01, -1.14746094e-01,  9.32617188e-02, -1.33789062e-01,
        -1.30859375e-01, -1.78222656e-02,  1.51367188e-01, -1.66015625e-01,
         1.40625000e-01,  5.51757812e-02,  4.32128906e-02, -6.98242188e-02,
         2.19726562e-02, -1.43554688e-01, -2.40234375e-01,  1.80664062e-02,
        -3.41796875e-01, -2.62451172e-02,  2.50000000e-01, -2.08740234e-02,
        -4.17480469e-02, -3.66210938e-02, -3.22265625e-02, -1.07574463e-03,
         6.64062500e-02, -1.57226562e-01, -1.69921875e-01,  1.63085938e-01,
         8.05664062e-02, -2.01171875e-01, -1.00585938e-01,  2.38281250e-01,
         2.49023438e-01,  1.25000000e-01,  3.08593750e-01, -8.69140625e-02,
        -5.11718750e-01, -1.34765625e-01, -2.02148438e-01, -1.93359375e-01,
        -8.93554688e-02,  4.85229492e-03, -1.68457031e-02, -1.21093750e-01,
        -1.61132812e-01, -8.20312500e-02, -4.71191406e-02,  7.86132812e-02,
         2.35351562e-01,  4.00390625e-02,  1.63085938e-01,  3.06640625e-01,
        -2.29492188e-01,  2.67578125e-01,  1.23046875e-01, -1.81640625e-01,
         6.54296875e-02, -1.39648438e-01, -1.38671875e-01, -7.56835938e-02,
        -3.73046875e-01, -4.42504883e-03, -6.64062500e-02, -1.19140625e-01,
         8.20312500e-02,  4.32128906e-02, -3.46679688e-02,  2.48046875e-0
1],
       dtype=float32),
 'responsible': array([-6.88476562e-02, -1.98242188e-01,  3.69140625e-01, -
1.99218750e-01,
        -2.49023438e-01,  4.95605469e-02,  2.87109375e-01, -1.54418945e-02,
         2.26562500e-01,  2.64892578e-02, -3.63769531e-02, -1.50146484e-02,
        -8.49609375e-02, -2.50000000e-01, -6.59179688e-02, -6.78710938e-02,
        -1.49414062e-01, -2.25585938e-01, -1.56250000e-01, -7.08007812e-02,
         2.51953125e-01,  3.10058594e-02, -1.00097656e-02,  1.40625000e-01,
         2.20703125e-01,  1.36718750e-01, -6.00585938e-02,  5.12695312e-02,
         4.58984375e-02, -2.08007812e-01, -5.12695312e-02, -4.10156250e-01,
        -6.10351562e-02,  1.26953125e-01,  1.51367188e-01,  2.05078125e-02,
         2.08740234e-02, -1.46484375e-01,  2.50000000e-01,  9.76562500e-02,
         2.59765625e-01,  8.10546875e-02, -1.66015625e-01, -4.41406250e-01,
        -4.37011719e-02, -1.25976562e-01, -4.88281250e-02,  5.15136719e-02,
        -1.72851562e-01, -5.66406250e-02,  2.48046875e-01, -1.22070312e-01,
         2.39257812e-01, -3.88183594e-02,  8.69140625e-02,  7.32421875e-03,
        -3.12500000e-02, -1.56250000e-01,  1.49414062e-01, -1.94335938e-01,
        -4.85839844e-02,  2.10937500e-01, -3.00781250e-01,  2.71484375e-01,
        -7.27539062e-02,  1.71875000e-01, -3.07617188e-02,  1.21459961e-02,
        -3.00781250e-01, -5.98144531e-02,  8.98437500e-02,  3.24707031e-02,
         3.47656250e-01, -1.54296875e-01, -3.45703125e-01, -5.44433594e-02,
        -2.12669373e-04,  1.10473633e-02, -1.92382812e-01,  7.27539062e-02,
        -1.14746094e-01,  1.09863281e-02, -1.40625000e-01, -3.75976562e-02,
         1.16699219e-01, -3.16406250e-01,  7.86132812e-02, -1.81640625e-01,
         1.75781250e-01, -1.00097656e-01,  2.50000000e-01, -1.61132812e-01,
         2.06054688e-01, -2.45117188e-01,  2.98828125e-01, -1.48437500e-01,
        -5.61523438e-02, -1.25976562e-01,  1.35742188e-01,  3.12500000e-01,
        -2.35351562e-01,  1.20117188e-01, -1.28906250e-01,  2.49023438e-01,
         1.06933594e-01, -4.39453125e-01,  3.09753418e-03,  4.10156250e-02,
         1.86523438e-01, -5.22460938e-02,  1.16210938e-01, -2.06054688e-01,
        -2.18750000e-01,  2.35351562e-01,  6.64062500e-02, -5.83496094e-02,
        -1.12304688e-01,  2.63671875e-02, -2.96630859e-02,  5.93261719e-02,
        -2.48046875e-01, -7.91015625e-02, -3.56445312e-02, -1.19628906e-01,
        -3.00292969e-02,  1.12304688e-02,  1.37695312e-01,  8.74023438e-02,
         9.76562500e-02,  2.01416016e-02, -2.62451172e-02, -8.10546875e-02,
        -3.18359375e-01,  1.41601562e-01, -3.24707031e-02, -1.63085938e-01,
        -1.62109375e-01,  2.29492188e-01,  1.04980469e-01,  2.14843750e-01,
         2.15820312e-01,  1.10839844e-01,  1.28906250e-01,  2.89306641e-02,
        -2.92968750e-01,  4.90722656e-02, -2.75878906e-02,  1.35742188e-01,
         9.96093750e-02, -1.58203125e-01,  1.59179688e-01,  2.20703125e-01,
        -8.49609375e-02,  2.51953125e-01, -1.20605469e-01,  8.59375000e-02,
        -9.96093750e-02, -5.15136719e-02,  7.56835938e-02,  4.66308594e-02,
         2.59765625e-01, -7.56835938e-02,  1.57226562e-01,  2.83203125e-01,
```

```
         2.17285156e-02,  1.28906250e-01,  3.56445312e-02,  8.34960938e-02,
         1.54296875e-01,  6.54296875e-02,  5.85937500e-03, -1.29882812e-01,
         8.15429688e-02, -2.39257812e-01, -1.04980469e-01, -6.68945312e-02,
         1.13281250e-01, -7.91015625e-02, -4.62890625e-01,  3.88183594e-02,
        -1.64062500e-01, -2.33154297e-02, -6.29882812e-02, -1.48437500e-01,
        -2.40234375e-01,  1.62109375e-01, -2.34375000e-02, -1.52343750e-01,
        -2.36816406e-02,  1.93359375e-01,  1.40625000e-01,  1.99218750e-01,
        -3.97949219e-02, -4.98046875e-02, -3.49609375e-01, -2.95410156e-02,
         3.33984375e-01, -1.60156250e-01,  1.47460938e-01, -2.07031250e-01,
         6.34765625e-02,  3.88671875e-01, -5.76171875e-02, -3.22265625e-02,
        -1.90429688e-01, -2.40234375e-01, -6.73828125e-02, -2.09960938e-02,
         3.10058594e-02, -1.64062500e-01,  2.13867188e-01,  1.18408203e-02,
        -8.39843750e-02,  2.22778320e-03,  7.56835938e-02, -1.25976562e-01,
        -4.95605469e-02, -2.42187500e-01, -1.59179688e-01,  1.16210938e-01,
         1.20605469e-01,  3.51562500e-02, -1.09375000e-01, -6.34765625e-02,
         1.30859375e-01, -4.19921875e-02,  1.89453125e-01, -1.14257812e-01,
        -1.86523438e-01,  1.15234375e-01,  1.16577148e-02, -1.13769531e-01,
        -1.37695312e-01,  2.79296875e-01, -2.57568359e-02, -4.05273438e-02,
         2.07031250e-01, -5.27343750e-02,  3.14941406e-02,  4.07714844e-02,
        -3.54003906e-02, -9.52148438e-02, -6.83593750e-02,  2.59765625e-01,
        -1.55273438e-01, -1.05468750e-01,  2.16796875e-01,  2.46093750e-01,
        -1.12152100e-03, -8.78906250e-02, -3.19824219e-02,  9.08203125e-02,
        -2.28515625e-01,  1.05468750e-01,  2.81250000e-01, -2.13867188e-01,
         2.72216797e-02,  2.63671875e-01, -2.79541016e-02, -3.28125000e-01,
        -2.25585938e-01,  1.45507812e-01,  2.85644531e-02,  2.09960938e-01,
         9.81445312e-02,  1.26953125e-01, -2.51953125e-01,  1.63085938e-01,
        -2.50000000e-01, -1.25976562e-01, -1.57226562e-01, -1.02050781e-01,
         6.78710938e-02,  4.08935547e-03,  4.15039062e-03, -7.95898438e-02,
        -1.04980469e-01,  1.40625000e-01,  3.46679688e-02, -5.02929688e-02,
        -7.99560547e-03,  6.80541992e-03, -1.84570312e-01, -1.39648438e-01,
         6.64062500e-02,  1.19140625e-01, -1.66992188e-01,  1.07421875e-01,
         1.81640625e-01, -1.72851562e-01, -2.91748047e-02,  1.95312500e-01,
         1.87500000e-01,  1.35742188e-01, -2.45117188e-01,  7.76367188e-02,
         1.58691406e-02,  1.25976562e-01,  2.04101562e-01,  2.47070312e-0
1],
       dtype=float32),
 'fidelity': array([ 0.328125  , -0.07617188, -0.07128906,  0.203125  , -0.
21972656,
         0.13183594, -0.0123291 ,  0.20898438,  0.07714844,  0.39257812,
        -0.15136719, -0.19042969, -0.13085938,  0.2578125 , -0.06738281,
         0.15234375,  0.07958984,  0.12353516, -0.00066376, -0.234375  ,
        -0.02526855, -0.42773438, -0.07910156,  0.08642578,  0.10595703,
        -0.28515625, -0.32617188,  0.07373047,  0.08007812, -0.04394531,
        -0.08349609, -0.11230469, -0.15234375, -0.09423828, -0.32421875,
        -0.10644531,  0.1015625 ,  0.15820312,  0.00213623, -0.13867188,
         0.21972656,  0.39257812, -0.04614258, -0.01879883, -0.31640625,
        -0.34179688, -0.10302734,  0.0559082 , -0.03149414, -0.01916504,
         0.03491211,  0.16113281, -0.07080078, -0.16015625,  0.05175781,
         0.33789062, -0.13476562, -0.36914062, -0.12597656,  0.2578125 ,
         0.56640625, -0.08886719, -0.06494141,  0.24804688,  0.07958984,
         0.04663086, -0.07910156,  0.14160156,  0.390625  , -0.125     ,
         0.03063965,  0.08496094,  0.08056641,  0.08544922, -0.03369141,
        -0.11621094,  0.17773438,  0.13671875,  0.13476562,  0.3359375 ,
        -0.11962891,  0.18652344, -0.06298828, -0.21875   ,  0.140625  ,
         0.08789062,  0.05200195,  0.19335938, -0.15136719, -0.06347656,
        -0.15527344, -0.10839844,  0.18652344,  0.19628906, -0.08203125,
        -0.18164062, -0.04077148, -0.07128906, -0.05517578, -0.18066406,
         0.22851562,  0.1875    , -0.11328125, -0.05322266,  0.05444336,
        -0.05932617,  0.16601562,  0.28710938,  0.04321289,  0.07128906,
        -0.19433594,  0.4296875 , -0.03930664,  0.51953125,  0.03564453,
         0.15332031, -0.23242188, -0.29101562,  0.13378906,  0.07910156,
        -0.13574219, -0.00622559,  0.34375   , -0.06103516,  0.31054688,
        -0.10986328, -0.02478027,  0.04589844,  0.2109375 ,  0.20800781,
        -0.13476562, -0.15429688, -0.1328125 , -0.07373047,  0.18066406,
```

```
        -0.11523438,  0.06103516, -0.08935547,  0.16113281,  0.03955078,
        -0.03979492, -0.03369141, -0.25585938,  0.16992188, -0.42773438,
        -0.07519531,  0.07226562, -0.10302734,  0.13671875, -0.03076172,
        -0.02172852,  0.21777344,  0.04541016, -0.23632812,  0.13085938,
        -0.2265625 , -0.15625   ,  0.03027344, -0.19042969, -0.24902344,
        -0.20800781,  0.11035156, -0.08740234,  0.30078125, -0.20019531,
         0.10449219, -0.23730469, -0.05419922, -0.453125  ,  0.12255859,
        -0.00178528, -0.15625   ,  0.00668335, -0.25976562,  0.26367188,
         0.13867188, -0.32226562, -0.40234375, -0.18945312, -0.07128906,
        -0.31445312,  0.05224609,  0.21582031, -0.15917969,  0.22851562,
        -0.04003906, -0.02575684, -0.51953125, -0.02246094,  0.11865234,
         0.3203125 , -0.03662109, -0.1328125 ,  0.07128906, -0.13867188,
         0.40039062,  0.14550781, -0.0078125 ,  0.08544922, -0.07714844,
         0.03417969,  0.36132812, -0.18261719,  0.00637817,  0.02490234,
        -0.05664062, -0.4453125 , -0.04052734,  0.04296875, -0.14160156,
        -0.28125   ,  0.14550781,  0.04296875, -0.10351562, -0.2421875 ,
        -0.20019531,  0.18359375, -0.30664062, -0.33007812,  0.11523438,
        -0.14453125, -0.01037598,  0.10009766,  0.14746094, -0.11962891,
         0.06494141, -0.05639648,  0.2578125 ,  0.2109375 , -0.0625    ,
        -0.21191406, -0.09277344,  0.12011719, -0.0625    , -0.00738525,
         0.00848389, -0.30078125, -0.02319336, -0.10888672,  0.12304688,
         0.01190186, -0.41796875, -0.05371094,  0.140625  , -0.00311279,
        -0.16699219, -0.19335938,  0.05737305,  0.01159668,  0.03808594,
         0.05053711,  0.11328125,  0.09960938, -0.12792969, -0.08496094,
        -0.1796875 ,  0.17773438, -0.27734375,  0.171875  ,  0.15722656,
         0.01782227,  0.14550781,  0.11230469, -0.04467773,  0.11181641,
         0.32617188, -0.00897217, -0.4765625 ,  0.02941895, -0.006073  ,
        -0.2890625 ,  0.06054688,  0.08007812,  0.00276184,  0.00312805,
        -0.23632812, -0.10888672, -0.02026367, -0.53515625,  0.11914062,
        -0.00714111,  0.06298828,  0.25195312,  0.27929688,  0.05688477,
         0.12158203,  0.22851562, -0.3203125 , -0.08300781,  0.21777344,
        -0.23535156,  0.38085938, -0.20214844, -0.20703125,  0.16308594,
         0.14550781, -0.00239563, -0.20410156, -0.14648438,  0.30273438],
       dtype=float32),
 'colleague': array([-1.42211914e-02, -1.63085938e-01,  1.95312500e-01,  1.
60156250e-01,
         6.88476562e-02,  2.55859375e-01, -1.61132812e-01,  6.95800781e-03,
         1.61132812e-01, -1.19628906e-01,  2.08740234e-02, -2.19726562e-01,
         6.93359375e-02, -1.30859375e-01, -1.24023438e-01,  1.56250000e-01,
         5.81054688e-02, -8.69140625e-02, -2.11181641e-02, -3.41796875e-02,
         1.97265625e-01, -5.88989258e-03,  1.51367188e-01, -1.20117188e-01,
         2.87109375e-01, -1.53320312e-01,  5.15136719e-02,  2.15820312e-01,
        -1.01074219e-01,  6.54296875e-02,  2.79296875e-01, -8.44726562e-02,
        -4.02832031e-02,  6.44531250e-02,  3.85742188e-02,  8.10546875e-02,
        -1.68457031e-02,  3.96484375e-01,  2.85644531e-02, -7.22656250e-02,
         1.13769531e-01, -2.94921875e-01,  7.47070312e-02, -2.64892578e-02,
        -3.19824219e-02,  8.59375000e-02, -2.23632812e-01, -8.20312500e-02,
         2.59765625e-01, -1.26953125e-01, -1.21582031e-01, -3.22265625e-02,
         1.75781250e-01, -2.13623047e-02, -2.77099609e-02, -1.00585938e-01,
         7.91015625e-02,  1.21093750e-01, -8.74023438e-02, -2.63671875e-01,
        -1.20605469e-01,  5.29785156e-02, -1.41601562e-01,  5.46875000e-02,
        -4.27246094e-02,  1.59179688e-01, -6.88476562e-02, -4.93164062e-02,
         1.31835938e-01,  1.34765625e-01, -8.44726562e-02, -7.91015625e-02,
         1.27929688e-01, -9.52148438e-02, -4.57031250e-01,  9.52148438e-02,
        -2.50000000e-01,  8.25195312e-02, -1.01074219e-01,  1.22070312e-01,
         3.10546875e-01,  1.61132812e-01,  1.38671875e-01, -1.04492188e-01,
         1.95312500e-03,  7.56835938e-02,  1.46484375e-01,  6.98242188e-02,
        -2.51953125e-01,  9.86328125e-02, -1.51367188e-01, -2.57568359e-02,
        -1.14746094e-01,  3.18359375e-01,  9.96093750e-02,  2.60009766e-02,
        -8.34960938e-02,  2.02148438e-01,  2.10937500e-01, -2.94921875e-01,
        -1.22070312e-01, -2.79296875e-01, -1.63085938e-01, -2.21679688e-01,
         5.24902344e-02,  6.83593750e-02, -1.15234375e-01,  1.16699219e-01,
         1.49414062e-01, -5.00488281e-02, -8.49609375e-02, -6.20117188e-02,
         1.15234375e-01, -3.22265625e-02,  4.70876694e-06, -8.60595703e-03,
```

```
         8.93554688e-02, -1.20117188e-01,  2.12890625e-01,  3.16406250e-01,
         4.27246094e-02, -1.16577148e-02, -2.07031250e-01, -1.15234375e-01,
         3.71093750e-02,  1.01562500e-01,  1.23046875e-01, -5.56640625e-02,
         1.68945312e-01,  1.15722656e-01, -4.53125000e-01, -3.35937500e-01,
        -1.68945312e-01, -8.54492188e-02, -5.68847656e-02,  1.28906250e-01,
         2.07031250e-01,  2.20703125e-01, -4.93164062e-02,  2.17773438e-01,
         2.05078125e-01,  1.93359375e-01, -6.44531250e-02,  2.76184082e-03,
         1.47094727e-02,  4.63867188e-02, -1.69921875e-01, -4.83398438e-02,
         4.83398438e-02,  1.67968750e-01,  3.80859375e-01,  1.53320312e-01,
        -4.19921875e-02,  8.83789062e-02,  2.77343750e-01, -1.81640625e-01,
        -6.10351562e-03,  7.38525391e-03, -3.10546875e-01, -9.13085938e-02,
        -7.91015625e-02,  2.60009766e-02,  1.89453125e-01,  1.86523438e-01,
         4.78515625e-02,  6.64062500e-02,  4.58984375e-01, -5.95703125e-02,
        -1.09863281e-01,  2.65625000e-01,  4.57031250e-01,  2.50000000e-01,
        -1.09863281e-01, -6.54296875e-02, -1.91497803e-03, -8.93554688e-02,
        -7.23266602e-03, -5.32226562e-02,  2.34375000e-01,  9.91210938e-02,
         1.28906250e-01,  1.59179688e-01,  1.73339844e-02, -4.05273438e-02,
         6.34765625e-02,  8.74023438e-02, -1.35498047e-02,  1.10839844e-01,
        -3.68652344e-02,  5.85937500e-03, -2.19726562e-01, -1.04003906e-01,
         6.73828125e-02,  2.77343750e-01,  1.92382812e-01,  1.10839844e-01,
        -3.17382812e-03,  1.85546875e-01,  2.43164062e-01,  3.28125000e-01,
        -3.08593750e-01,  2.85156250e-01, -5.51757812e-02,  8.10546875e-02,
        -8.05664062e-02, -1.25122070e-02, -3.66210938e-02,  2.83203125e-01,
        -1.22070312e-01, -3.28125000e-01, -5.61523438e-02, -3.28125000e-01,
        -1.67236328e-02,  5.02929688e-02,  3.51562500e-02, -1.35742188e-01,
         3.14941406e-02, -5.12695312e-03,  9.33837891e-03,  2.28271484e-02,
         2.23632812e-01, -2.63671875e-01,  6.83593750e-02,  2.61230469e-02,
        -1.31835938e-01, -6.22558594e-02,  1.27929688e-01,  4.49218750e-02,
         9.96093750e-02, -1.38671875e-01,  4.98046875e-02,  1.35742188e-01,
        -1.05468750e-01, -1.85546875e-01,  8.39843750e-02, -1.68945312e-01,
        -1.33789062e-01,  1.11816406e-01, -4.70703125e-01, -6.44531250e-02,
        -2.94189453e-02, -2.85156250e-01, -3.20312500e-01, -8.25195312e-02,
         1.20605469e-01,  2.01171875e-01, -1.22833252e-03,  2.53906250e-02,
         5.49316406e-02,  1.25976562e-01, -4.88281250e-02,  1.25000000e-01,
        -5.20019531e-02,  1.04492188e-01,  7.17773438e-02, -4.34570312e-02,
        -3.54003906e-02,  8.34960938e-02, -8.93554688e-02,  8.49609375e-02,
         1.12304688e-01, -1.15722656e-01,  1.81640625e-01,  1.14257812e-01,
         1.16699219e-01,  5.90820312e-02, -3.49121094e-02,  1.07421875e-01,
        -6.93359375e-02,  1.56250000e-01,  6.68945312e-02,  1.97753906e-02,
        -1.91406250e-01,  5.15136719e-02, -2.70996094e-02, -1.86523438e-01,
         7.37304688e-02, -1.20239258e-02, -1.04370117e-02, -1.61132812e-01,
         2.30468750e-01,  8.05664062e-03, -3.95507812e-02,  1.44531250e-01,
         1.64062500e-01,  2.11914062e-01, -1.17675781e-01, -9.91210938e-02,
         2.13867188e-01,  1.94335938e-01, -4.00390625e-02, -5.79833984e-03,
        -7.08007812e-02, -1.12304688e-01,  5.32226562e-02, -1.08642578e-02,
         1.20117188e-01, -1.41601562e-01, -9.42382812e-02,  1.78710938e-0
1],
       dtype=float32),
 'energetic': array([ 0.1640625 , -0.02600098,  0.13964844, -0.03857422, -
0.14257812,
        -0.02893066, -0.00582886, -0.20605469, -0.17089844, -0.03808594,
         0.06689453,  0.13867188,  0.10107422, -0.00439453,  0.16601562,
         0.06201172, -0.09472656,  0.41992188,  0.08544922,  0.24121094,
         0.09521484,  0.06640625,  0.18945312,  0.12158203, -0.359375  ,
         0.01324463, -0.01696777,  0.07714844,  0.13769531, -0.07373047,
        -0.02770996, -0.03222656,  0.01745605,  0.18945312,  0.13378906,
        -0.08349609, -0.10595703, -0.02880859, -0.0234375 ,  0.08251953,
         0.16601562, -0.22753906, -0.10888672,  0.14550781, -0.05200195,
        -0.11328125, -0.20410156, -0.03710938,  0.0480957 ,  0.05078125,
         0.19628906,  0.09765625, -0.0534668 ,  0.2265625 ,  0.35742188,
         0.28125   ,  0.21386719, -0.390625  , -0.12988281, -0.09521484,
        -0.10546875, -0.20996094, -0.625     , -0.13183594, -0.06298828,
         0.22851562, -0.00071335,  0.01708984, -0.05883789,  0.14257812,
         0.10253906, -0.10888672,  0.00448608,  0.01147461, -0.16992188,
```

```
        -0.02209473,  0.23242188, -0.0145874 ,  0.04589844, -0.05371094,
         0.08007812,  0.11376953,  0.01647949, -0.00311279, -0.10498047,
        -0.04882812, -0.29101562,  0.02331543,  0.15722656, -0.15625   ,
        -0.234375  , -0.09423828, -0.17382812, -0.06347656,  0.03442383,
        -0.1015625 , -0.03344727,  0.30664062, -0.25976562, -0.18261719,
        -0.26953125, -0.05273438, -0.11132812,  0.12695312, -0.09179688,
        -0.11425781,  0.35546875, -0.22265625,  0.12597656, -0.08056641,
         0.0012207 , -0.03857422, -0.14550781,  0.07128906,  0.16308594,
        -0.08007812,  0.04052734, -0.14648438,  0.29296875, -0.26171875,
        -0.18164062, -0.13476562,  0.09912109, -0.14160156, -0.03515625,
         0.16601562,  0.02966309, -0.00595093, -0.00202942,  0.11523438,
        -0.08544922, -0.06689453,  0.08789062,  0.15332031, -0.21972656,
         0.19042969,  0.12011719, -0.01623535,  0.00117493,  0.34765625,
         0.05004883,  0.08154297, -0.34960938,  0.12597656, -0.02453613,
         0.06225586, -0.06884766,  0.05688477,  0.05688477,  0.03588867,
         0.01623535, -0.08300781,  0.06201172,  0.39648438,  0.12988281,
        -0.05249023,  0.18652344, -0.078125  ,  0.28125   , -0.09619141,
        -0.00335693,  0.3046875 ,  0.23632812,  0.328125  ,  0.32617188,
        -0.13671875, -0.16113281, -0.08544922, -0.05541992, -0.09619141,
        -0.27929688, -0.12304688,  0.0324707 , -0.03149414,  0.08837891,
         0.01220703, -0.16796875,  0.11962891, -0.01153564, -0.14746094,
         0.11279297, -0.20996094,  0.11083984, -0.09179688, -0.11669922,
         0.19921875, -0.11035156, -0.12890625, -0.19824219, -0.11035156,
        -0.12402344,  0.17480469,  0.2109375 , -0.06396484,  0.04589844,
        -0.00080872, -0.02490234,  0.03588867, -0.18554688,  0.12597656,
        -0.05932617,  0.14941406, -0.13378906, -0.23046875,  0.11328125,
        -0.3046875 ,  0.05249023, -0.07421875,  0.02575684, -0.03112793,
        -0.25976562,  0.08154297, -0.10742188, -0.09912109, -0.05541992,
        -0.04101562,  0.02258301,  0.10986328, -0.22167969, -0.08837891,
         0.06982422,  0.28515625, -0.0390625 ,  0.10400391,  0.140625  ,
         0.20214844,  0.17382812, -0.26171875,  0.20996094,  0.08349609,
         0.09228516, -0.01263428, -0.09716797, -0.12890625,  0.06176758,
         0.00247192, -0.06933594, -0.32617188,  0.04663086, -0.06640625,
        -0.03088379,  0.21972656, -0.14746094, -0.08789062,  0.24023438,
         0.15429688, -0.14941406, -0.140625  ,  0.12060547,  0.05371094,
        -0.01544189,  0.07421875, -0.12255859,  0.45703125, -0.109375  ,
        -0.2109375 , -0.08544922, -0.04077148, -0.11865234, -0.11767578,
         0.07470703, -0.13378906, -0.02697754,  0.20703125, -0.00723267,
         0.1328125 , -0.12890625, -0.03515625, -0.24707031,  0.13964844,
        -0.12792969, -0.05664062,  0.03564453,  0.16503906,  0.03100586,
         0.06103516, -0.14648438,  0.02636719,  0.171875  ,  0.1796875 ,
        -0.04614258,  0.07958984, -0.24609375, -0.02783203,  0.04785156,
        -0.11621094, -0.03198242, -0.16113281,  0.34570312,  0.06152344,
        -0.04858398, -0.14550781, -0.11328125, -0.23046875, -0.26171875,
         0.08251953,  0.16992188, -0.07080078,  0.09912109,  0.14453125],
       dtype=float32),
 'focused': array([ 0.04418945,  0.25      ,  0.07177734, -0.05493164, -0.1
6796875,
         0.08300781,  0.23925781, -0.30273438,  0.1015625 , -0.09228516,
         0.03222656,  0.03027344,  0.07128906,  0.03198242,  0.1953125 ,
        -0.1015625 , -0.06787109,  0.16601562,  0.25585938,  0.12988281,
        -0.07421875,  0.06835938, -0.16308594,  0.23828125, -0.09375   ,
         0.00354004,  0.36523438, -0.10009766,  0.10644531, -0.18261719,
         0.1875    , -0.1953125 ,  0.04370117, -0.15234375,  0.0390625 ,
         0.06494141, -0.20605469,  0.01281738,  0.23925781, -0.03686523,
        -0.00335693,  0.24316406, -0.15039062,  0.19726562,  0.09472656,
        -0.18554688,  0.03735352, -0.04858398,  0.16210938,  0.12011719,
         0.29492188, -0.08544922, -0.02685547,  0.17089844, -0.00872803,
         0.12353516, -0.01623535, -0.17382812,  0.1328125 , -0.296875  ,
        -0.03637695, -0.11865234, -0.2109375 ,  0.1953125 ,  0.25585938,
         0.08447266, -0.18066406,  0.03686523, -0.01672363,  0.04858398,
        -0.21484375, -0.13183594,  0.19921875,  0.265625  , -0.02270508,
        -0.13671875,  0.30078125,  0.26367188, -0.06347656,  0.16699219,
        -0.07080078,  0.11132812,  0.22167969,  0.01116943, -0.05004883,
```

```
        -0.5234375 ,  0.09619141,  0.02966309,  0.15820312,  0.17285156,
         0.10400391, -0.28320312,  0.18164062,  0.19433594,  0.03320312,
        -0.00176239, -0.24023438, -0.20019531, -0.32617188,  0.05981445,
        -0.23828125, -0.20996094,  0.02160645,  0.13476562,  0.00891113,
        -0.34179688,  0.01269531, -0.08642578,  0.17871094, -0.11425781,
         0.0222168 , -0.09082031, -0.03710938,  0.03540039,  0.04907227,
         0.02722168, -0.01721191, -0.13769531,  0.33398438,  0.0072937 ,
        -0.2421875 , -0.10595703,  0.00162506,  0.05249023, -0.08935547,
        -0.1953125 ,  0.09375   ,  0.04882812, -0.17578125, -0.09619141,
         0.10595703, -0.27734375, -0.05664062,  0.08544922,  0.03491211,
         0.06005859,  0.15332031,  0.24707031, -0.00817871,  0.03027344,
         0.23339844, -0.10058594,  0.20019531, -0.15625   , -0.10058594,
        -0.08642578, -0.28125   , -0.00378418,  0.17578125, -0.07275391,
        -0.16992188,  0.12890625, -0.09765625, -0.02099609, -0.43945312,
         0.1328125 , -0.01782227, -0.26171875, -0.04956055,  0.29492188,
         0.10009766,  0.171875  ,  0.1015625 ,  0.05761719,  0.10742188,
         0.12792969, -0.06201172, -0.08251953,  0.109375  , -0.06005859,
        -0.07666016, -0.26953125,  0.0546875 , -0.24316406, -0.06347656,
        -0.15136719,  0.01116943, -0.22070312, -0.19433594, -0.12597656,
        -0.3359375 , -0.06738281,  0.15820312,  0.22558594, -0.17578125,
         0.14453125, -0.18945312,  0.17578125, -0.04736328,  0.15917969,
        -0.03881836, -0.11669922,  0.05908203, -0.18066406, -0.29882812,
         0.03173828,  0.07519531,  0.12695312,  0.06835938,  0.08447266,
         0.12304688,  0.11474609, -0.06054688, -0.22265625, -0.2109375 ,
        -0.09667969,  0.07910156, -0.16503906, -0.07763672, -0.2578125 ,
        -0.07714844,  0.11035156, -0.01831055, -0.12695312,  0.30273438,
        -0.2109375 ,  0.11279297, -0.12695312,  0.01025391, -0.18164062,
        -0.14257812,  0.23730469, -0.23144531,  0.00227356,  0.08203125,
        -0.08544922,  0.14550781,  0.04638672, -0.09667969,  0.20507812,
        -0.10644531, -0.27929688,  0.07568359,  0.03466797, -0.25585938,
        -0.18554688, -0.22753906, -0.03930664, -0.06835938, -0.02526855,
         0.06835938,  0.35546875, -0.15136719,  0.12792969,  0.02087402,
        -0.02648926,  0.12353516,  0.22363281,  0.07275391, -0.25976562,
        -0.21191406,  0.12695312,  0.05493164,  0.0559082 , -0.02270508,
        -0.00616455, -0.23046875, -0.09667969, -0.05761719, -0.09130859,
        -0.00222778,  0.02722168,  0.21582031, -0.03979492, -0.08007812,
         0.22363281, -0.11914062, -0.23046875, -0.3359375 ,  0.07519531,
        -0.15039062,  0.27148438,  0.10449219,  0.11230469,  0.05371094,
         0.05859375, -0.2578125 , -0.16113281, -0.18847656, -0.11962891,
        -0.01953125, -0.00683594, -0.06689453,  0.16601562, -0.00099182,
         0.24023438, -0.15234375,  0.29492188,  0.30859375, -0.11132812,
        -0.15917969,  0.05493164, -0.26171875,  0.07128906,  0.01782227,
        -0.16601562,  0.19140625,  0.12011719,  0.30078125, -0.05883789],
       dtype=float32),
 'quality': array([-2.59765625e-01,  2.71484375e-01,  1.19628906e-01,  7.23
266602e-03,
         5.73730469e-02,  1.13769531e-01,  1.66992188e-01,  2.50244141e-02,
         6.78710938e-02,  1.20117188e-01, -2.14843750e-01, -2.89062500e-01,
         1.25976562e-01,  1.29882812e-01, -1.75781250e-01, -6.34765625e-02,
         1.40625000e-01,  2.15820312e-01,  2.67333984e-02, -1.32812500e-01,
        -8.05664062e-02, -7.56835938e-02, -1.49414062e-01,  3.67187500e-01,
        -1.52343750e-01, -8.20312500e-02, -2.45361328e-02,  6.54296875e-02,
        -1.62353516e-02,  8.25195312e-02, -9.58251953e-03,  5.90820312e-02,
         3.02734375e-02, -1.79687500e-01,  5.63964844e-02, -1.41601562e-01,
        -2.41699219e-02,  1.13769531e-01,  1.31835938e-02, -1.34765625e-01,
        -4.63867188e-02, -7.81250000e-03, -2.16796875e-01, -3.10058594e-02,
         7.76367188e-02, -3.33984375e-01,  1.98242188e-01,  1.70898438e-01,
        -7.93457031e-03, -2.58789062e-02,  5.05371094e-02,  1.89453125e-01,
        -6.54296875e-02, -2.33398438e-01,  1.18652344e-01, -8.93554688e-02,
         5.00488281e-02, -1.39648438e-01,  1.29882812e-01, -1.29882812e-01,
         2.59765625e-01,  1.71875000e-01, -3.43750000e-01, -7.81250000e-02,
         9.91210938e-02,  3.71093750e-02, -1.74804688e-01, -6.98852539e-03,
         2.69531250e-01,  8.64257812e-02, -5.85937500e-02, -1.33789062e-01,
         1.12304688e-01, -1.96289062e-01, -2.03125000e-01, -8.34960938e-02,
```

```
        -1.33789062e-01, -3.51562500e-02,  4.22363281e-02,  2.75390625e-01,
         3.11279297e-02, -2.22778320e-03, -8.78906250e-02, -1.04980469e-01,
         9.27734375e-03, -9.58251953e-03, -2.44140625e-01,  1.59179688e-01,
         8.98437500e-02,  1.29882812e-01,  2.85156250e-01,  1.44531250e-01,
        -9.47265625e-02,  4.39453125e-02, -1.16699219e-01, -1.76757812e-01,
        -2.40234375e-01,  2.51953125e-01, -8.15429688e-02, -6.20117188e-02,
         2.13867188e-01,  2.15820312e-01, -1.26953125e-01,  5.73730469e-02,
         3.34472656e-02,  4.07714844e-02,  1.13281250e-01,  2.16796875e-01,
        -7.61718750e-02, -1.33789062e-01,  1.08886719e-01,  3.98437500e-01,
        -2.26562500e-01,  3.83300781e-02,  1.50390625e-01, -1.43554688e-01,
        -8.64257812e-02, -1.99218750e-01, -6.17675781e-02, -6.54296875e-02,
        -3.26171875e-01,  1.62109375e-01, -6.78710938e-02,  1.03515625e-01,
         1.38671875e-01,  7.76367188e-02, -1.81640625e-01, -1.65039062e-01,
        -9.37500000e-02, -1.06811523e-02,  2.77099609e-02,  3.18359375e-01,
        -2.30468750e-01,  3.29589844e-02, -1.30859375e-01, -2.08007812e-01,
         2.32421875e-01, -1.54296875e-01,  1.07421875e-01,  6.73828125e-02,
        -3.78417969e-02, -1.69921875e-01,  6.22558594e-02, -6.49414062e-02,
        -2.01416016e-02, -3.68652344e-02,  1.98242188e-01, -4.17480469e-02,
         1.42578125e-01, -2.34603882e-04, -8.83789062e-02,  2.53906250e-01,
        -9.71679688e-02,  9.71679688e-02, -1.63085938e-01, -2.44140625e-01,
         2.25830078e-02, -6.95800781e-03, -1.71875000e-01, -1.43554688e-01,
        -3.67187500e-01, -1.18164062e-01, -5.34667969e-02,  4.41406250e-01,
        -6.07910156e-02, -1.00097656e-02, -1.73828125e-01, -2.26562500e-01,
        -1.94091797e-02, -2.69531250e-01, -1.49414062e-01,  4.88281250e-02,
         1.22070312e-02, -1.91406250e-01,  6.78710938e-02, -9.66796875e-02,
        -8.25195312e-02, -1.66015625e-01, -1.73828125e-01,  5.59082031e-02,
        -1.88476562e-01, -9.47265625e-02,  1.86523438e-01, -3.11279297e-02,
        -4.22363281e-02, -7.81250000e-02, -1.77734375e-01, -1.60156250e-01,
        -1.94335938e-01,  8.83789062e-02, -4.54101562e-02, -1.04003906e-01,
        -1.48437500e-01, -5.93261719e-02, -1.96289062e-01,  2.40325928e-04,
         1.26953125e-01, -3.51562500e-02,  8.39843750e-02, -9.57031250e-02,
        -4.22363281e-02,  1.57226562e-01, -1.02539062e-01, -8.54492188e-03,
        -7.27539062e-02, -2.28271484e-02, -2.08007812e-01, -1.19628906e-01,
         6.25000000e-02, -1.21093750e-01, -1.07421875e-01, -1.15356445e-02,
        -3.51562500e-02,  6.49414062e-02, -1.44653320e-02, -9.66796875e-02,
         3.71093750e-01,  4.73632812e-02, -1.47460938e-01,  7.61718750e-02,
         9.57031250e-02, -5.15136719e-02, -1.34765625e-01,  2.36328125e-01,
         2.92968750e-02,  7.37304688e-02, -1.03515625e-01,  4.44335938e-02,
         1.26953125e-01,  5.98144531e-02, -1.86523438e-01, -1.21093750e-01,
         1.90429688e-01,  4.24804688e-02, -2.01171875e-01,  5.83496094e-02,
        -1.48437500e-01, -1.18408203e-02,  1.58203125e-01,  1.19628906e-02,
        -9.32617188e-02, -2.11914062e-01, -4.44335938e-02,  1.10839844e-01,
        -8.98437500e-02, -5.29785156e-02, -7.71484375e-02, -5.32226562e-02,
        -4.02343750e-01, -2.05078125e-01,  2.27050781e-02,  2.11181641e-02,
         6.83593750e-02,  7.78198242e-03,  3.01513672e-02, -3.78417969e-02,
        -1.25000000e-01,  3.03955078e-02,  6.20117188e-02,  1.38671875e-01,
         1.06445312e-01, -1.13281250e-01, -7.35473633e-03,  4.29687500e-02,
         3.08593750e-01,  1.42578125e-01, -9.86328125e-02, -2.53906250e-01,
         1.40625000e-01, -8.98437500e-02, -1.35742188e-01,  1.09375000e-01,
         9.82666016e-03, -5.95703125e-02, -1.41601562e-01,  7.76367188e-02,
         3.51562500e-02, -1.46484375e-01, -1.92382812e-01,  5.44433594e-02,
        -6.44531250e-02, -1.04980469e-01,  3.90625000e-01,  2.08007812e-01,
        -3.08593750e-01,  2.23632812e-01,  7.27539062e-02, -9.13085938e-02,
         1.41601562e-01,  1.30859375e-01, -1.45507812e-01,  1.20117188e-01,
        -3.14453125e-01,  2.20947266e-02, -1.02539062e-02,  2.98828125e-01,
         4.63867188e-02, -1.79687500e-01,  7.05718994e-04, -1.40991211e-0
2],
       dtype=float32),
 'ethic': array([ 1.92382812e-01,  2.71484375e-01,  1.11816406e-01,  1.7968
7500e-01,
        -1.26953125e-01,  3.85742188e-02,  5.49316406e-02, -1.52343750e-01,
        -6.73828125e-02, -3.83300781e-02, -1.29882812e-01, -7.95898438e-02,
         5.35156250e-01, -9.96093750e-02, -2.15820312e-01,  2.98828125e-01,
        -5.66406250e-02,  2.37304688e-01, -8.00781250e-02, -1.40625000e-01,
```

```
-1.60156250e-01,  8.42285156e-03, -4.56542969e-02,  6.88476562e-02,
-1.07421875e-01, -1.00708008e-03, -1.85546875e-01,  2.23632812e-01,
 3.39843750e-01,  2.63671875e-01,  2.36816406e-02,  1.25000000e-01,
 2.06054688e-01,  6.44531250e-02,  3.45703125e-01,  2.36328125e-01,
 2.02148438e-01, -5.39550781e-02,  3.75000000e-01,  6.64062500e-02,
 2.75390625e-01,  8.42285156e-03, -2.61718750e-01,  9.70458984e-03,
-1.44653320e-02,  2.49023438e-02, -2.51953125e-01,  9.15527344e-03,
 2.20703125e-01, -2.23632812e-01,  5.73730469e-02,  2.91015625e-01,
-1.89453125e-01, -1.34765625e-01,  2.32421875e-01,  5.56640625e-02,
-5.24902344e-02,  1.86157227e-03, -1.99218750e-01, -1.55273438e-01,
 1.94091797e-02,  1.24023438e-01, -8.54492188e-02, -1.73828125e-01,
-6.13403320e-03, -2.36328125e-01,  4.15039062e-02,  1.03027344e-01,
-1.50390625e-01,  1.33789062e-01, -3.95507812e-02, -1.66015625e-02,
 3.06396484e-02, -7.51953125e-02, -5.95703125e-02, -3.65234375e-01,
-2.22167969e-02, -1.15356445e-02,  1.65039062e-01,  5.90820312e-02,
-6.34765625e-02,  5.73730469e-02, -1.80664062e-02, -6.73828125e-02,
-1.95312500e-01, -2.23632812e-01,  1.35742188e-01,  2.77343750e-01,
 2.45117188e-01, -9.22851562e-02,  6.88476562e-02,  2.89062500e-01,
-8.54492188e-02, -9.57031250e-02,  7.81250000e-02, -1.87988281e-02,
-2.34375000e-01, -2.79541016e-02,  5.98144531e-02, -5.35156250e-01,
-1.20605469e-01,  1.63085938e-01, -9.96093750e-02,  5.54687500e-01,
 2.53906250e-01, -3.06640625e-01,  1.19628906e-01,  1.76757812e-01,
-6.29882812e-02, -9.91210938e-02, -1.61132812e-01,  1.36718750e-01,
-9.42382812e-02,  3.58886719e-02,  6.10351562e-02, -1.37939453e-02,
 3.06396484e-02,  2.22167969e-02, -1.44531250e-01,  2.53906250e-01,
-1.02539062e-01, -4.17968750e-01, -3.66210938e-02,  4.35546875e-01,
 8.59375000e-02,  7.66601562e-02,  4.83398438e-02,  1.39770508e-02,
-1.35742188e-01,  6.78710938e-02, -9.13085938e-02, -5.27343750e-01,
-6.29882812e-02,  1.21093750e-01,  9.96093750e-02, -1.43432617e-02,
-2.29492188e-01,  1.19628906e-01, -1.15722656e-01,  1.31835938e-02,
-3.00598145e-03, -8.15429688e-02,  1.25000000e-01,  6.83593750e-02,
-2.75390625e-01, -3.63281250e-01, -7.87353516e-03,  1.48437500e-01,
 2.51953125e-01, -8.69140625e-02,  3.00781250e-01,  1.08398438e-01,
-6.15119934e-05,  2.03125000e-01,  6.29882812e-02, -2.17285156e-02,
-5.41992188e-02,  7.71484375e-02,  2.31445312e-01, -2.20703125e-01,
-5.76782227e-03,  2.70996094e-02, -3.69140625e-01,  1.44531250e-01,
-1.77734375e-01,  1.25732422e-02,  3.63769531e-02, -1.72851562e-01,
-3.28125000e-01, -3.24707031e-02, -2.09960938e-02,  3.27148438e-02,
 7.17773438e-02, -1.57226562e-01,  1.26953125e-01,  1.73339844e-02,
 1.24023438e-01, -8.49609375e-02, -1.11816406e-01, -1.20605469e-01,
-3.00781250e-01, -3.57421875e-01,  1.37695312e-01,  1.47705078e-02,
-4.00390625e-02, -6.39648438e-02, -2.79296875e-01, -2.05078125e-01,
-3.12500000e-02,  1.25000000e-01, -2.16796875e-01,  2.77343750e-01,
 8.98437500e-02,  1.98242188e-01, -2.42187500e-01, -3.39843750e-01,
-1.36718750e-01,  3.32031250e-01, -2.10937500e-01,  1.99218750e-01,
 6.93359375e-02,  2.96875000e-01, -2.59765625e-01, -5.83496094e-02,
-1.27929688e-01, -1.25000000e-01,  7.93457031e-03, -1.56250000e-01,
 1.28906250e-01, -2.96875000e-01, -4.29687500e-01, -2.46582031e-02,
 8.64257812e-02,  7.61718750e-02, -1.39648438e-01, -2.52685547e-02,
-1.10351562e-01,  3.35937500e-01, -9.76562500e-03,  8.98437500e-02,
-1.13281250e-01, -1.60156250e-01,  2.38281250e-01,  1.07421875e-01,
-1.83593750e-01, -1.85546875e-01,  4.92187500e-01,  1.36718750e-01,
 2.40234375e-01, -1.39160156e-02,  2.99072266e-02,  1.66992188e-01,
-1.47460938e-01, -1.37695312e-01,  8.15429688e-02, -5.32226562e-02,
 2.31445312e-01,  5.98144531e-02,  1.66015625e-01,  7.95898438e-02,
-4.51660156e-02, -9.27734375e-02, -4.24804688e-02, -3.34472656e-02,
 1.48315430e-02,  1.39648438e-01, -1.91406250e-01, -3.32641602e-03,
-2.09960938e-01,  1.31835938e-01, -1.32812500e-01,  2.83203125e-01,
-5.85937500e-02,  2.53906250e-02,  3.66210938e-02, -1.97265625e-01,
-2.41699219e-02, -7.95898438e-02,  3.85742188e-02,  8.10546875e-02,
 2.83203125e-01, -1.79687500e-01, -1.01562500e-01,  3.06640625e-01,
 5.98144531e-02,  2.33398438e-01,  3.85742188e-02, -1.48437500e-01,
-5.27343750e-02, -4.05273438e-02, -6.59179688e-02, -1.68945312e-01,
 4.80957031e-02,  2.42187500e-01, -6.20117188e-02, -9.08203125e-02,
```

```
        -2.81250000e-01, -2.14843750e-02, -2.15820312e-01,  1.74804688e-01,
         1.27929688e-01, -1.66015625e-01,  2.23632812e-01,  1.13281250e-01,
        -1.46484375e-01,  9.82666016e-03,  5.56640625e-02,  3.39843750e-01,
         2.92968750e-01,  3.33984375e-01, -1.66015625e-01, -5.22460938e-02,
        -1.58203125e-01, -1.41601562e-01, -3.18359375e-01, -3.02734375e-01,
         1.60156250e-01, -2.73437500e-01,  1.79687500e-01,  1.22558594e-0
1],
       dtype=float32),
 'protocol': array([-9.96093750e-02,  4.44335938e-02,  3.30078125e-01,  2.0
5078125e-01,
         1.30004883e-02, -2.56347656e-02, -1.28936768e-03, -8.25195312e-02,
        -1.77734375e-01,  3.17382812e-02, -3.19824219e-02, -2.98828125e-01,
         2.45117188e-01, -2.28515625e-01, -1.92382812e-01,  2.20703125e-01,
        -1.48437500e-01, -4.46777344e-02, -3.10546875e-01, -2.13867188e-01,
         1.36718750e-01,  1.93359375e-01,  3.61328125e-02,  1.46484375e-01,
        -6.92749023e-03, -2.48046875e-01, -1.60156250e-01,  2.03125000e-01,
         1.15722656e-01,  7.37304688e-02, -5.39550781e-02, -5.11718750e-01,
        -6.10351562e-02, -2.16796875e-01, -1.77734375e-01, -2.09960938e-02,
        -7.71484375e-02,  3.49121094e-02,  9.13085938e-02, -2.25585938e-01,
         4.68750000e-02,  5.76171875e-02,  7.27539062e-02,  1.81884766e-02,
        -7.56835938e-02,  6.34765625e-02, -3.61328125e-02, -3.73535156e-02,
        -3.04687500e-01,  2.65625000e-01, -1.00097656e-01, -1.34765625e-01,
        -1.73828125e-01, -1.45507812e-01, -4.41894531e-02,  9.22851562e-02,
        -2.07031250e-01,  1.86523438e-01,  2.17773438e-01, -2.67578125e-01,
         8.00781250e-02,  2.44140625e-01,  6.83593750e-02,  1.94335938e-01,
         1.23046875e-01,  9.42382812e-02, -8.30078125e-02,  1.40625000e-01,
        -1.33789062e-01, -2.07031250e-01,  1.39648438e-01,  9.37500000e-02,
        -3.49121094e-02, -1.58203125e-01,  1.25122070e-02, -2.09960938e-01,
         1.40991211e-02, -1.24023438e-01,  3.94531250e-01,  2.71484375e-01,
         6.22558594e-03,  9.13085938e-02,  6.15234375e-02,  9.08203125e-02,
         1.81640625e-01, -1.23046875e-01, -4.17480469e-02, -7.32421875e-02,
         1.09863281e-01,  2.53906250e-01,  2.16796875e-01, -2.94189453e-02,
         9.03320312e-02,  1.27929688e-01,  2.79296875e-01,  1.28936768e-03,
         9.76562500e-03, -2.53906250e-01,  1.76757812e-01, -1.86523438e-01,
        -1.47460938e-01, -3.26171875e-01, -1.26953125e-01,  3.29589844e-02,
         1.85546875e-02,  5.56640625e-02,  7.17773438e-02, -9.91210938e-02,
         1.83105469e-02,  1.56250000e-01,  6.54296875e-02,  3.26171875e-01,
         5.27343750e-02,  1.25000000e-01, -3.39355469e-02,  3.35937500e-01,
         8.54492188e-02, -8.20312500e-02,  2.21679688e-01,  1.53320312e-01,
        -6.39648438e-02, -1.31835938e-01, -1.70898438e-01,  1.25976562e-01,
         4.10156250e-01,  4.73022461e-04, -1.86767578e-02,  1.43554688e-01,
         2.63671875e-01,  8.78906250e-02,  9.52148438e-02,  1.53320312e-01,
        -3.29589844e-02,  8.25195312e-02, -5.39550781e-02, -7.32421875e-02,
         1.66015625e-01,  2.01171875e-01, -3.32031250e-01, -6.15234375e-02,
         6.34765625e-02,  1.10351562e-01,  5.51757812e-02, -1.26953125e-02,
         6.59179688e-02, -1.81884766e-02, -1.50390625e-01,  1.10351562e-01,
        -7.76367188e-02,  3.56445312e-02,  6.73828125e-02,  1.27929688e-01,
         1.37329102e-02,  1.90429688e-02,  3.95507812e-02, -3.61328125e-01,
        -2.67578125e-01,  6.98242188e-02, -1.74804688e-01,  5.59082031e-02,
        -1.94335938e-01,  3.18359375e-01,  6.34765625e-02, -8.49609375e-02,
        -8.44726562e-02, -2.33154297e-02, -2.07031250e-01, -1.76757812e-01,
        -9.03320312e-03, -2.09960938e-01,  1.54296875e-01,  1.10473633e-02,
         5.03540039e-03,  1.05957031e-01,  2.47070312e-01, -9.32617188e-02,
         5.07812500e-02, -2.42187500e-01,  1.81884766e-02,  4.32128906e-02,
         1.04003906e-01,  6.54296875e-02,  1.53808594e-02,  3.71093750e-01,
         2.75390625e-01,  1.96289062e-01,  1.33789062e-01, -3.02734375e-01,
         2.95410156e-02,  6.78710938e-02, -2.38281250e-01,  1.28173828e-02,
         1.25976562e-01,  1.58203125e-01,  1.44042969e-02,  1.12915039e-02,
         5.00488281e-02, -2.31933594e-02, -7.61718750e-02, -2.33398438e-01,
         1.64062500e-01,  8.15429688e-02,  7.51953125e-02,  3.76953125e-01,
         9.76562500e-02,  3.39355469e-02,  2.71484375e-01, -2.23632812e-01,
         3.35937500e-01,  5.29785156e-02, -4.93164062e-02,  9.22851562e-02,
         6.49414062e-02, -8.34960938e-02, -9.61914062e-02,  3.49121094e-02,
         1.02539062e-02,  8.15429688e-02, -1.57226562e-01,  5.76171875e-02,
```

```
        -1.88476562e-01,  7.38525391e-03,  2.57812500e-01,  8.49609375e-02,
        -1.62109375e-01, -2.24609375e-01,  2.22656250e-01,  3.66210938e-02,
         3.30078125e-01,  1.87500000e-01,  4.46777344e-02,  2.91442871e-03,
        -8.49609375e-02, -2.65625000e-01,  9.71679688e-02, -5.71289062e-02,
         8.20312500e-02,  2.91015625e-01,  1.35742188e-01, -1.49414062e-01,
         6.93359375e-02, -1.80664062e-01,  2.18750000e-01, -9.76562500e-02,
         1.17187500e-01, -1.73828125e-01,  7.12890625e-02,  4.16015625e-01,
         1.07910156e-01, -3.71093750e-01,  2.42919922e-02,  2.79296875e-01,
        -9.17968750e-02, -1.57226562e-01,  1.44531250e-01, -2.30468750e-01,
        -2.37304688e-01, -1.79443359e-02, -1.27929688e-01, -1.49414062e-01,
         2.51953125e-01, -1.79687500e-01, -2.05078125e-02,  8.00781250e-02,
         2.19726562e-01,  2.04101562e-01,  1.04492188e-01,  1.52587891e-02,
        -5.11718750e-01, -1.39648438e-01,  1.90429688e-01, -1.15966797e-02,
        -2.99072266e-02,  7.81250000e-02, -1.25000000e-01, -2.51953125e-01,
         1.18652344e-01,  5.03540039e-03,  1.14257812e-01,  3.85742188e-02,
        -2.36816406e-02,  3.22265625e-01,  1.59179688e-01,  6.10351562e-02,
         4.90234375e-01,  1.49414062e-01,  1.79687500e-01, -2.49023438e-02,
         1.24511719e-01, -7.32421875e-02,  1.93359375e-01, -2.40234375e-01,
         1.41601562e-01, -6.12792969e-02,  4.63867188e-03,  3.73535156e-02,
         5.02929688e-02, -1.05957031e-01, -7.12890625e-02,  1.71875000e-0
1],
       dtype=float32),
 'complete': array([-0.125     , -0.09521484, -0.16992188,  0.02526855, -0.
12109375,
        -0.05029297,  0.20605469, -0.07617188,  0.20117188, -0.06933594,
        -0.08886719, -0.12597656, -0.10791016,  0.14257812,  0.08007812,
         0.20117188,  0.17480469, -0.34179688,  0.05639648, -0.30273438,
        -0.05493164,  0.10986328, -0.22265625,  0.35351562,  0.13378906,
         0.12597656, -0.11914062, -0.13476562,  0.2734375 ,  0.04882812,
         0.13867188,  0.08837891, -0.20703125,  0.05834961, -0.20605469,
        -0.04345703, -0.01733398, -0.20605469,  0.11376953,  0.05126953,
         0.15332031, -0.11425781, -0.04272461,  0.19042969, -0.10351562,
        -0.11425781, -0.04492188,  0.00430298, -0.07421875,  0.14355469,
         0.08349609,  0.10595703, -0.06982422, -0.08398438, -0.07568359,
         0.12695312, -0.19042969, -0.28125   ,  0.14941406, -0.11962891,
         0.02099609, -0.03369141,  0.00378418, -0.2421875 ,  0.04833984,
         0.04711914, -0.00039101, -0.01660156,  0.02392578,  0.12402344,
         0.140625  ,  0.18945312,  0.2421875 , -0.03564453,  0.14453125,
        -0.06347656,  0.10595703, -0.04150391, -0.01904297,  0.07910156,
        -0.21679688, -0.12695312, -0.0456543 , -0.09423828,  0.10351562,
         0.006073  ,  0.14648438,  0.01043701,  0.10107422,  0.02905273,
         0.03271484, -0.13378906, -0.09082031, -0.07617188, -0.02722168,
         0.02355957, -0.13769531, -0.0559082 , -0.234375  ,  0.10546875,
        -0.01397705,  0.07470703, -0.14257812, -0.19433594, -0.13574219,
        -0.02600098,  0.00506592,  0.01745605,  0.00294495,  0.00106812,
         0.09960938, -0.00778198, -0.11523438, -0.22070312,  0.12988281,
         0.234375  , -0.08203125,  0.09667969,  0.24414062,  0.06884766,
        -0.16015625, -0.15429688,  0.16503906,  0.00549316,  0.11328125,
         0.11865234, -0.06347656, -0.18554688,  0.18554688,  0.21289062,
        -0.14550781,  0.12304688, -0.20898438,  0.04760742, -0.0378418 ,
         0.02990723, -0.03039551, -0.05761719,  0.0456543 ,  0.12890625,
        -0.13085938, -0.19042969,  0.01879883,  0.13574219,  0.02844238,
         0.02526855, -0.20507812, -0.00141907, -0.22363281, -0.03417969,
         0.08203125,  0.02380371, -0.0055542 ,  0.09277344, -0.09326172,
         0.05371094, -0.1015625 , -0.12402344, -0.13476562, -0.01818848,
         0.07421875, -0.04125977, -0.07861328, -0.07714844, -0.01495361,
        -0.28515625,  0.00130463, -0.0279541 , -0.19335938, -0.08447266,
        -0.02697754, -0.31835938,  0.02185059, -0.0168457 ,  0.09033203,
         0.06005859, -0.00488281,  0.10498047, -0.10693359,  0.08398438,
        -0.14941406, -0.02941895, -0.06103516,  0.07910156, -0.20507812,
         0.13476562,  0.04394531, -0.26757812,  0.05273438,  0.08154297,
         0.01428223, -0.04907227, -0.12255859, -0.2421875 , -0.0480957 ,
        -0.03039551,  0.16992188, -0.01660156, -0.22460938, -0.13769531,
         0.0135498 ,  0.14648438, -0.07421875,  0.12255859,  0.03955078,
```

```
         0.22851562, -0.06225586, -0.01940918,  0.2109375 ,  0.07177734,
        -0.04833984,  0.23339844, -0.01757812,  0.03491211, -0.06103516,
         0.05078125,  0.12207031,  0.05737305, -0.06005859, -0.18847656,
         0.19042969, -0.14746094, -0.171875  ,  0.03320312,  0.25      ,
        -0.07861328,  0.05102539,  0.12060547,  0.09082031, -0.06079102,
         0.12451172,  0.09277344,  0.10009766,  0.04980469, -0.04980469,
        -0.03222656,  0.11132812,  0.04882812,  0.12158203,  0.07470703,
        -0.19824219,  0.07617188, -0.109375  , -0.30078125,  0.0255127 ,
        -0.1953125 ,  0.09033203,  0.01733398, -0.16210938, -0.20214844,
         0.05395508,  0.20410156,  0.01818848,  0.12792969, -0.10742188,
        -0.09326172,  0.00817871, -0.16308594, -0.09863281, -0.06494141,
         0.0168457 , -0.125     , -0.13867188, -0.16210938,  0.25      ,
         0.03125   ,  0.05371094, -0.07128906,  0.06494141,  0.03100586,
         0.21484375,  0.08740234, -0.01013184,  0.03271484,  0.12255859,
        -0.03369141, -0.01733398, -0.17871094, -0.0039978 , -0.03833008,
         0.14355469,  0.07177734, -0.04638672,  0.18847656,  0.02026367,
         0.16113281,  0.11035156,  0.03466797, -0.00521851, -0.10742188,
        -0.25195312,  0.22167969, -0.08886719,  0.12011719, -0.06982422,
        -0.09423828, -0.00915527,  0.12207031,  0.12597656, -0.2890625 ],
       dtype=float32),
 'fa': array([-0.10644531,  0.26171875,  0.06689453, -0.04736328,  0.015258
79,
         0.08984375,  0.01574707, -0.09423828,  0.04321289,  0.328125  ,
        -0.03173828, -0.34765625, -0.46289062,  0.04394531, -0.07421875,
         0.22460938, -0.1796875 ,  0.00854492, -0.08691406,  0.03173828,
        -0.29882812, -0.32226562,  0.33007812, -0.03857422, -0.23828125,
        -0.07373047, -0.03369141,  0.10351562, -0.21875   , -0.01940918,
         0.04418945,  0.21289062,  0.11621094, -0.13769531,  0.00405884,
         0.04638672, -0.17871094,  0.25      ,  0.30273438,  0.01696777,
        -0.05981445,  0.05371094,  0.08789062,  0.11621094, -0.01269531,
        -0.15429688, -0.13183594, -0.10888672, -0.3984375 , -0.01086426,
        -0.12353516,  0.23925781,  0.00958252,  0.32617188, -0.17773438,
         0.11181641, -0.6328125 , -0.09960938, -0.01245117, -0.296875  ,
        -0.40429688,  0.14648438, -0.19238281, -0.01574707,  0.06884766,
        -0.09716797, -0.00372314, -0.10498047, -0.01464844,  0.20996094,
         0.06738281,  0.18359375,  0.18164062, -0.04394531, -0.12890625,
        -0.13671875,  0.24609375,  0.18359375,  0.01190186,  0.06054688,
        -0.24609375, -0.21191406,  0.09667969, -0.13085938, -0.04663086,
         0.15527344,  0.01843262,  0.42773438, -0.0213623 , -0.3203125 ,
         0.07714844, -0.08544922, -0.25390625, -0.078125  ,  0.2578125 ,
         0.23730469, -0.13964844,  0.07470703,  0.02893066,  0.04980469,
        -0.14648438, -0.02490234,  0.06225586,  0.05273438, -0.06445312,
         0.10253906, -0.03881836,  0.09863281,  0.04589844,  0.06787109,
        -0.45898438, -0.15429688,  0.07275391, -0.22363281,  0.18652344,
         0.05541992,  0.18066406, -0.18847656, -0.43359375,  0.07080078,
         0.09619141, -0.06396484,  0.0027771 ,  0.03588867,  0.16503906,
        -0.10498047, -0.3125    , -0.14941406,  0.07910156,  0.07177734,
        -0.16894531,  0.04077148,  0.20898438,  0.05957031, -0.17382812,
         0.19433594, -0.35546875, -0.0291748 ,  0.27148438,  0.09423828,
         0.29101562, -0.17578125, -0.13671875, -0.00695801,  0.06225586,
         0.00793457, -0.28515625,  0.13476562, -0.15625   , -0.09472656,
        -0.00958252, -0.46289062,  0.03393555,  0.11914062,  0.03222656,
        -0.1875    ,  0.16308594,  0.359375  ,  0.01293945, -0.33203125,
         0.00674438,  0.20800781,  0.22851562,  0.02331543,  0.05004883,
        -0.3203125 ,  0.17675781, -0.20214844, -0.16210938,  0.203125  ,
        -0.28515625, -0.00671387, -0.07275391,  0.03637695,  0.10839844,
         0.24902344,  0.28320312, -0.14746094,  0.23144531, -0.09619141,
         0.06835938, -0.05493164,  0.01312256, -0.00970459,  0.05273438,
         0.09570312, -0.12060547, -0.03833008, -0.03564453, -0.00878906,
         0.24804688,  0.07177734, -0.24023438, -0.12207031, -0.10595703,
         0.09277344, -0.16601562, -0.03222656, -0.18554688,  0.10253906,
        -0.30859375, -0.17285156, -0.09765625, -0.09472656,  0.12255859,
        -0.36132812,  0.05175781, -0.03588867, -0.09619141,  0.25195312,
         0.01623535, -0.00622559, -0.13085938, -0.01721191,  0.02392578,
```

```
         0.03735352, -0.1328125 , -0.17382812, -0.05322266,  0.11962891,
         0.22753906, -0.0324707 , -0.00946045,  0.203125  ,  0.13378906,
        -0.05615234, -0.01733398,  0.18945312, -0.11962891,  0.01745605,
        -0.11328125, -0.12109375, -0.13964844, -0.03955078, -0.09570312,
         0.27539062, -0.14257812,  0.20898438,  0.0246582 ,  0.14941406,
         0.09472656, -0.03442383,  0.09277344, -0.13085938, -0.05761719,
         0.06738281, -0.03759766,  0.20996094, -0.10791016, -0.00598145,
         0.24121094,  0.32421875,  0.24804688, -0.03088379, -0.36132812,
        -0.05297852, -0.296875  , -0.09082031,  0.16992188,  0.19628906,
        -0.02355957,  0.08691406,  0.16992188, -0.06884766, -0.04614258,
        -0.08398438, -0.04589844,  0.07568359, -0.07763672, -0.09277344,
        -0.1171875 , -0.07324219,  0.13769531, -0.21777344,  0.06738281,
        -0.32617188, -0.15722656, -0.37109375, -0.36523438,  0.25585938,
        -0.1953125 ,  0.16894531, -0.02258301, -0.05908203,  0.16210938,
         0.13867188,  0.05566406,  0.24707031, -0.06030273, -0.10107422,
         0.16894531,  0.18359375,  0.10498047, -0.01623535, -0.03515625,
        -0.18164062,  0.00970459, -0.17773438, -0.24804688,  0.12597656],
       dtype=float32),
 'design': array([-0.19726562, -0.03100586, -0.01672363,  0.08935547,  0.01
550293,
         0.0112915 ,  0.18261719, -0.28710938, -0.07080078,  0.06835938,
        -0.12207031,  0.01074219, -0.12207031, -0.16992188, -0.12988281,
        -0.18457031, -0.08300781, -0.12890625, -0.15234375,  0.03759766,
        -0.20117188,  0.265625  , -0.05883789,  0.01428223, -0.01660156,
         0.07666016,  0.00683594, -0.07226562,  0.09375   , -0.375     ,
         0.04516602,  0.09716797, -0.06152344,  0.11621094,  0.23535156,
        -0.24316406,  0.14355469,  0.0145874 , -0.00352478, -0.10449219,
        -0.07568359,  0.10400391,  0.02893066,  0.15136719, -0.09863281,
        -0.04394531, -0.12597656,  0.11669922,  0.11523438,  0.33789062,
        -0.08642578,  0.046875  , -0.02319336, -0.24511719,  0.125     ,
         0.03295898,  0.18261719, -0.1796875 ,  0.36132812,  0.02734375,
         0.13085938, -0.012146  , -0.11425781, -0.31054688, -0.00485229,
        -0.14453125, -0.06884766,  0.27734375, -0.00787354,  0.421875  ,
         0.10644531,  0.0300293 ,  0.17382812, -0.2265625 , -0.06005859,
         0.0213623 ,  0.07763672,  0.13183594, -0.10791016,  0.24121094,
         0.12353516, -0.15527344, -0.2109375 , -0.03759766,  0.171875  ,
        -0.10498047,  0.04711914,  0.18457031, -0.12988281,  0.01019287,
         0.13476562, -0.28320312, -0.30664062,  0.21386719,  0.06933594,
         0.01879883, -0.40820312, -0.24414062,  0.05786133,  0.09765625,
        -0.00915527, -0.07958984, -0.07324219,  0.10644531,  0.01782227,
         0.06835938, -0.03857422,  0.16894531, -0.1796875 ,  0.12304688,
        -0.22363281,  0.125     , -0.13183594,  0.13769531,  0.34179688,
        -0.12988281, -0.15136719, -0.01202393,  0.19824219, -0.05029297,
        -0.16894531,  0.02404785,  0.07373047,  0.12402344,  0.21777344,
         0.26171875, -0.20117188, -0.0378418 , -0.05102539,  0.10205078,
         0.05712891, -0.02941895, -0.21679688,  0.07763672,  0.07763672,
         0.16992188, -0.07666016,  0.07617188,  0.01141357, -0.13378906,
         0.12207031,  0.03930664, -0.25      ,  0.05517578, -0.12597656,
         0.03930664, -0.03100586,  0.08837891, -0.12304688, -0.11279297,
        -0.07080078, -0.2734375 ,  0.1796875 ,  0.06738281, -0.17089844,
        -0.08886719,  0.00866699,  0.19335938, -0.07714844,  0.02929688,
        -0.03662109, -0.09863281, -0.09667969,  0.28710938, -0.12597656,
         0.00466919,  0.31445312, -0.0859375 , -0.17089844, -0.25390625,
        -0.07177734, -0.0324707 , -0.125     , -0.08496094,  0.05053711,
         0.06689453,  0.11181641, -0.24023438, -0.28125   ,  0.10107422,
        -0.12597656, -0.0390625 , -0.04003906, -0.12597656,  0.11767578,
        -0.21386719,  0.13671875, -0.07324219,  0.02233887, -0.11035156,
        -0.05639648, -0.04516602,  0.10449219, -0.19824219, -0.28515625,
        -0.15234375,  0.24316406,  0.03198242, -0.16601562, -0.20898438,
        -0.06982422,  0.18066406, -0.19433594,  0.06933594, -0.07958984,
        -0.09130859,  0.01446533, -0.2890625 ,  0.08349609, -0.09765625,
        -0.13085938, -0.078125  ,  0.05273438, -0.12988281, -0.02294922,
        -0.03125   ,  0.00138855,  0.04492188, -0.10595703,  0.1484375 ,
        -0.02246094, -0.20605469, -0.0612793 ,  0.18164062, -0.27148438,
```

```
        -0.02954102, -0.10302734,  0.01586914, -0.07275391,  0.12353516,
         0.06176758, -0.02368164, -0.20117188, -0.15234375, -0.13378906,
        -0.05419922,  0.16992188, -0.01098633,  0.359375  , -0.01483154,
         0.07421875, -0.15136719, -0.14160156, -0.25390625,  0.05737305,
        -0.19140625, -0.22753906,  0.09033203, -0.00119019, -0.171875  ,
         0.04931641,  0.02478027,  0.12304688, -0.125     ,  0.08300781,
         0.04907227, -0.0246582 ,  0.19433594, -0.13085938,  0.08300781,
         0.20019531, -0.14257812, -0.09570312, -0.25195312,  0.05004883,
         0.17480469, -0.05786133, -0.29492188, -0.22460938,  0.04345703,
        -0.05102539, -0.07177734,  0.01318359, -0.04785156,  0.08056641,
        -0.11914062, -0.03027344,  0.10839844, -0.09179688, -0.00405884,
        -0.02197266,  0.12597656,  0.10449219,  0.06176758, -0.0378418 ,
         0.21289062, -0.08007812, -0.12988281,  0.13574219,  0.08056641,
        -0.26953125,  0.12402344, -0.06396484,  0.11962891,  0.11083984,
         0.00512695,  0.17578125, -0.2890625 , -0.01733398,  0.03613281],
       dtype=float32),
 'correct': array([-7.91015625e-02, -1.81640625e-01,  1.09375000e-01, -8.25
195312e-02,
        -1.89453125e-01, -5.17578125e-02,  2.36328125e-01,  2.30468750e-01,
        -7.03125000e-02, -2.89916992e-03, -7.61718750e-02, -4.76837158e-05,
         1.29882812e-01,  3.14453125e-01, -1.04980469e-01,  1.82617188e-01,
         1.45874023e-02, -1.46484375e-01, -2.99072266e-02, -2.44140625e-01,
         1.24023438e-01,  5.02929688e-02,  1.26953125e-01,  7.61718750e-02,
        -2.22656250e-01, -1.77001953e-02, -2.92968750e-01,  2.77099609e-02,
         1.43554688e-01,  2.49023438e-02, -1.64062500e-01, -1.68945312e-01,
        -1.68945312e-01, -1.58691406e-02, -9.96093750e-02, -1.43554688e-01,
         7.81250000e-02,  1.29882812e-01,  1.76757812e-01, -1.39648438e-01,
         2.37304688e-01,  2.19726562e-02,  1.08398438e-01, -2.69531250e-01,
         1.04492188e-01,  5.90820312e-02, -8.93554688e-02, -5.76171875e-02,
        -1.81640625e-01, -3.90625000e-03, -3.83300781e-02, -6.49414062e-02,
         5.05371094e-02, -2.65625000e-01, -7.66601562e-02,  9.86328125e-02,
         1.18652344e-01, -2.89062500e-01,  1.57470703e-02, -2.09960938e-01,
        -3.51562500e-02,  1.37695312e-01, -1.41601562e-01, -1.75781250e-01,
         1.15356445e-02,  1.49414062e-01,  1.93023682e-03,  1.07421875e-01,
        -6.68945312e-02, -1.18408203e-02,  2.81250000e-01, -7.17163086e-03,
         1.20605469e-01, -1.84570312e-01, -2.57812500e-01,  2.49023438e-01,
         1.91406250e-01,  3.45703125e-01,  1.96838379e-03,  2.24609375e-01,
         2.02636719e-02, -9.81445312e-02,  6.88476562e-02,  5.68847656e-02,
         7.27539062e-02, -1.76757812e-01,  4.73632812e-02,  1.98242188e-01,
         1.44042969e-02,  9.32617188e-02,  1.03515625e-01,  8.44726562e-02,
         8.78906250e-02, -1.36718750e-01, -8.20312500e-02, -2.20947266e-02,
        -1.39648438e-01,  3.44238281e-02,  5.98144531e-02,  2.06054688e-01,
         1.25976562e-01,  7.91015625e-02,  7.27539062e-02, -2.94189453e-02,
        -1.77734375e-01, -6.29882812e-02, -2.89062500e-01, -1.22070312e-01,
         2.57812500e-01, -1.59179688e-01, -8.69140625e-02, -1.22558594e-01,
        -2.26562500e-01,  1.02050781e-01,  5.78613281e-02,  6.34765625e-02,
        -3.80859375e-02, -2.43186951e-04, -3.17382812e-02,  9.42382812e-02,
        -3.75000000e-01,  1.53320312e-01,  6.34765625e-02, -9.27734375e-02,
        -1.08886719e-01, -7.61718750e-02, -2.50000000e-01, -1.25976562e-01,
        -1.64062500e-01,  2.22656250e-01, -2.96875000e-01, -1.30859375e-01,
        -3.04687500e-01, -5.29785156e-02,  9.08203125e-02, -2.27539062e-01,
        -7.71484375e-02,  2.04101562e-01,  2.50000000e-01,  4.62890625e-01,
         1.22558594e-01,  5.88378906e-02, -1.73828125e-01,  2.25585938e-01,
        -9.96093750e-02,  2.64892578e-02, -1.97265625e-01,  2.19726562e-02,
         1.70898438e-02,  1.88476562e-01, -5.61523438e-02, -2.63671875e-02,
        -1.75781250e-01,  4.51660156e-02,  1.11816406e-01,  6.64062500e-02,
        -1.89453125e-01, -1.51367188e-01, -2.00195312e-01,  2.15820312e-01,
        -5.07812500e-02, -6.10351562e-02,  1.44531250e-01, -2.37304688e-01,
         8.05664062e-03, -1.94335938e-01,  7.76367188e-02, -5.95703125e-02,
        -4.32128906e-02,  2.24609375e-02, -7.32421875e-02, -5.49316406e-02,
        -7.71484375e-02,  7.22656250e-02, -2.63671875e-02,  1.46484375e-01,
         1.01562500e-01, -3.93066406e-02, -5.83496094e-02, -9.17968750e-02,
        -3.30078125e-01,  6.22558594e-02, -1.44531250e-01,  1.04003906e-01,
         2.08984375e-01,  1.66992188e-01, -1.56250000e-01,  3.17382812e-02,
```

```
        -1.27929688e-01,  1.89453125e-01,  5.70678711e-03,  1.88476562e-01,
         5.82885742e-03, -6.59179688e-02, -5.66406250e-02, -1.12304688e-01,
         1.80664062e-01, -3.06640625e-01, -8.15429688e-02, -6.93359375e-02,
         3.36914062e-02, -3.17382812e-02,  1.26953125e-01, -7.47680664e-03,
         2.80761719e-02, -1.29882812e-01, -2.81982422e-02, -2.57568359e-02,
         1.01562500e-01, -2.77343750e-01,  7.81250000e-02,  6.29882812e-02,
         7.37304688e-02,  2.95410156e-02, -1.75781250e-01, -5.81054688e-02,
         2.67578125e-01, -1.02539062e-01, -4.83398438e-02,  1.54296875e-01,
        -1.45507812e-01,  1.17187500e-02, -2.44140625e-01, -1.25976562e-01,
         1.69921875e-01,  4.61425781e-02,  1.03515625e-01, -6.64062500e-02,
        -2.75390625e-01,  2.13867188e-01,  1.38671875e-01, -1.05468750e-01,
        -3.80859375e-02, -1.30859375e-01,  5.73730469e-02,  5.88378906e-02,
         2.28515625e-01, -3.19824219e-02, -5.12695312e-02,  9.13085938e-02,
        -1.59912109e-02, -7.17773438e-02, -1.22070312e-01, -1.27929688e-01,
        -2.07519531e-02,  4.29687500e-02,  4.80957031e-02,  1.60156250e-01,
        -1.64062500e-01, -8.34960938e-02,  8.00781250e-02, -4.00390625e-02,
        -3.00781250e-01, -8.10546875e-02,  1.60156250e-01, -2.37304688e-01,
        -1.89208984e-03,  1.25976562e-01, -1.86767578e-02, -2.89062500e-01,
        -8.34960938e-02, -4.54101562e-02,  1.12792969e-01, -3.22265625e-02,
         1.99218750e-01, -9.03320312e-02,  1.22558594e-01, -2.20703125e-01,
         3.75366211e-03, -2.75390625e-01, -2.28271484e-02,  2.24609375e-01,
         3.54003906e-02,  6.15234375e-02,  9.15527344e-03, -2.40478516e-02,
        -7.81250000e-02, -2.38281250e-01, -6.34765625e-02,  1.77734375e-01,
        -1.35742188e-01,  2.00195312e-01,  7.91015625e-02, -1.70898438e-01,
         2.55859375e-01, -1.26953125e-02, -5.24902344e-02, -8.49609375e-02,
        -9.47265625e-02, -6.25000000e-02,  2.31445312e-01,  2.94921875e-01,
        -4.54101562e-02, -6.20117188e-02,  8.44726562e-02,  9.32617188e-02,
        -1.83593750e-01, -4.07714844e-02, -9.47265625e-02,  4.93526459e-0
5],
       dtype=float32),
 'inclusive': array([-1.77734375e-01, -3.88183594e-02, -3.36914062e-02,  2.
69531250e-01,
        -2.94189453e-02, -7.03125000e-02,  3.41796875e-02,  1.41601562e-01,
         1.36718750e-01, -2.21679688e-01, -2.51953125e-01,  5.93261719e-02,
         2.79296875e-01, -5.81054688e-02,  2.69531250e-01,  3.28125000e-01,
         2.05078125e-01,  5.52368164e-03,  1.34765625e-01, -6.49414062e-02,
        -1.37695312e-01,  1.19140625e-01,  2.59765625e-01,  1.32812500e-01,
        -2.10937500e-01,  7.61718750e-02, -1.13281250e-01,  6.44531250e-02,
         4.98046875e-01, -2.24609375e-01,  7.75146484e-03, -1.54296875e-01,
        -1.49414062e-01,  3.90625000e-01,  1.71875000e-01, -1.06445312e-01,
        -6.78710938e-02, -2.10937500e-01, -1.25976562e-01, -7.87353516e-03,
         1.18164062e-01,  6.88476562e-02,  4.46777344e-02,  1.05957031e-01,
        -2.33398438e-01, -2.98828125e-01, -3.08593750e-01, -1.31835938e-01,
        -1.23023987e-04, -7.12890625e-02,  4.43359375e-01,  7.32421875e-02,
        -4.90722656e-02,  1.85546875e-01,  1.71875000e-01,  2.10937500e-01,
        -9.71679688e-02, -2.37304688e-01, -3.26171875e-01,  1.02539062e-02,
        -1.52343750e-01,  7.12890625e-02, -2.65625000e-01, -8.25195312e-02,
         2.27539062e-01, -2.40478516e-02, -2.63671875e-01,  2.06054688e-01,
         2.02148438e-01,  1.72851562e-01, -1.50390625e-01, -1.22070312e-01,
         3.49609375e-01,  1.80664062e-01,  2.91015625e-01,  6.78710938e-02,
         6.29882812e-02,  9.08203125e-02, -7.03125000e-02,  9.03320312e-02,
        -2.50000000e-01, -1.31835938e-01, -2.92968750e-01,  7.61718750e-02,
        -6.98242188e-02, -2.03125000e-01, -7.53784180e-03,  8.20312500e-02,
         2.03125000e-01,  3.35937500e-01,  2.77099609e-02, -4.80957031e-02,
        -5.71289062e-02, -2.65625000e-01,  1.11328125e-01,  4.19921875e-02,
        -4.98046875e-02, -1.89453125e-01,  1.02050781e-01, -1.30859375e-01,
        -1.71875000e-01,  3.51562500e-01,  1.34765625e-01,  1.33789062e-01,
        -1.83593750e-01,  9.22851562e-02,  6.07910156e-02, -1.13769531e-01,
         1.29394531e-02, -6.78710938e-02, -4.00390625e-01, -8.54492188e-02,
        -1.33789062e-01, -6.34765625e-02,  5.44433594e-02,  1.97265625e-01,
         5.02929688e-02, -2.39257812e-01,  1.30859375e-01,  3.36914062e-02,
         1.78222656e-02,  2.59765625e-01,  2.59765625e-01,  4.61425781e-02,
        -3.76953125e-01,  1.82617188e-01,  3.12500000e-01,  1.22070312e-01,
         8.88671875e-02,  2.65625000e-01,  6.25000000e-02, -4.58984375e-02,
```

```
        -9.22851562e-02,  1.24511719e-01, -1.61132812e-01,  7.51953125e-02,
        -8.25195312e-02, -8.05664062e-02,  2.80761719e-02,  3.10546875e-01,
        -2.79541016e-02,  1.25000000e-01, -2.09960938e-01,  6.44531250e-02,
        -3.61328125e-02, -8.00781250e-02, -8.54492188e-02,  3.95507812e-02,
         1.81640625e-01,  1.37695312e-01,  7.27539062e-02, -3.02734375e-02,
        -7.95898438e-02, -1.43554688e-01,  1.57226562e-01, -2.23632812e-01,
         1.01074219e-01, -1.84570312e-01, -7.66601562e-02, -3.97949219e-02,
        -6.29882812e-02,  4.37011719e-02,  9.42382812e-02,  1.94091797e-02,
        -1.57226562e-01,  1.73828125e-01, -1.92871094e-02,  1.87988281e-02,
        -2.11914062e-01,  2.06298828e-02, -2.67578125e-01, -4.95605469e-02,
         9.86328125e-02, -3.39355469e-02,  1.74804688e-01,  3.00781250e-01,
         4.32128906e-02, -2.30468750e-01, -2.27539062e-01,  8.39843750e-02,
        -4.47265625e-01,  7.93457031e-03, -1.18255615e-03,  9.17968750e-02,
        -1.64062500e-01,  1.43554688e-01,  2.78320312e-02,  8.83789062e-02,
         1.10351562e-01,  1.10839844e-01, -4.76074219e-02, -2.13623047e-02,
        -2.06054688e-01, -3.56445312e-02, -6.78710938e-02,  1.75781250e-02,
        -4.56542969e-02,  2.94921875e-01,  8.66699219e-03, -2.91015625e-01,
        -4.78515625e-02, -6.12792969e-02,  4.05273438e-02, -1.95312500e-01,
        -3.96484375e-01, -2.81250000e-01,  1.55273438e-01, -2.10937500e-01,
        -3.02734375e-02, -1.20117188e-01,  4.85839844e-02,  2.87109375e-01,
         5.00488281e-02,  2.89062500e-01, -4.56542969e-02,  2.50000000e-01,
         1.79687500e-01,  1.35742188e-01, -6.05468750e-02,  1.56250000e-01,
         5.22460938e-02,  3.41796875e-01,  1.66015625e-01,  9.17968750e-02,
        -5.05371094e-02,  9.96093750e-02,  2.01171875e-01,  7.42187500e-02,
        -1.86523438e-01, -6.04248047e-03, -6.71386719e-03, -1.39648438e-01,
        -5.41992188e-02, -3.12500000e-02, -2.88391113e-03,  2.59765625e-01,
         1.47460938e-01,  2.41699219e-02,  1.19140625e-01,  1.73828125e-01,
         2.06054688e-01,  9.22851562e-02, -3.90625000e-02,  2.04101562e-01,
         4.41894531e-02,  1.67968750e-01, -3.51562500e-01, -1.07421875e-02,
        -1.37695312e-01,  8.39843750e-02,  1.18652344e-01,  2.15820312e-01,
        -7.04956055e-03,  7.66601562e-02,  1.62109375e-01, -2.39257812e-01,
        -1.37695312e-01, -1.13769531e-01,  1.88476562e-01, -1.59179688e-01,
         1.39648438e-01,  1.01318359e-02,  1.03515625e-01,  1.52343750e-01,
         1.84326172e-02, -1.67968750e-01,  6.83593750e-02, -9.86328125e-02,
        -3.14453125e-01,  3.88183594e-02,  7.51953125e-02,  7.66601562e-02,
         2.83203125e-01,  1.98242188e-01,  3.84765625e-01,  5.07812500e-02,
        -7.38525391e-03, -1.72851562e-01, -8.15429688e-02,  2.95410156e-02,
         3.03955078e-02, -7.91015625e-02, -3.39843750e-01,  5.27343750e-02,
         1.46484375e-01, -3.90625000e-02,  1.35742188e-01, -9.61914062e-02,
         1.48437500e-01, -1.19628906e-01, -3.41796875e-02, -1.39648438e-01,
         1.16210938e-01,  1.92382812e-01, -1.91406250e-01,  2.83203125e-01,
         5.93261719e-02, -1.15722656e-01, -2.81982422e-02, -1.26953125e-0
1],
       dtype=float32),
 'social': array([ 0.09912109, -0.09765625, -0.12353516,  0.16308594,  0.02
856445,
         0.00650024,  0.20214844, -0.03173828,  0.04760742, -0.3046875 ,
         0.03466797, -0.02172852,  0.03295898,  0.16015625, -0.06494141,
         0.10009766,  0.015625  ,  0.22949219,  0.18066406, -0.11279297,
         0.11376953, -0.16699219,  0.140625  ,  0.07470703,  0.09521484,
        -0.24902344, -0.18554688,  0.265625  ,  0.09619141, -0.20800781,
        -0.30859375, -0.19335938, -0.09179688, -0.16210938, -0.18652344,
        -0.10449219, -0.11816406,  0.05712891,  0.12890625,  0.01031494,
        -0.07763672,  0.11669922,  0.05834961,  0.22265625, -0.00613403,
         0.03662109, -0.10253906,  0.10058594,  0.05175781,  0.01855469,
        -0.03686523,  0.17089844, -0.30078125,  0.04614258,  0.06445312,
         0.09667969, -0.34179688, -0.03808594,  0.14160156, -0.1796875 ,
        -0.22851562,  0.16796875, -0.02429199, -0.06396484,  0.00546265,
         0.09326172,  0.07861328,  0.20117188,  0.07421875, -0.03344727,
        -0.21679688,  0.20996094,  0.08886719,  0.04516602,  0.203125  ,
        -0.02172852,  0.02832031,  0.23144531,  0.02612305, -0.17285156,
        -0.12792969,  0.140625  ,  0.01074219,  0.05664062,  0.05957031,
        -0.19628906, -0.16992188,  0.04760742, -0.15722656,  0.03613281,
         0.07519531, -0.35742188, -0.19628906, -0.26367188,  0.0144043 ,
```

```
         0.05322266,  0.17480469, -0.16992188, -0.01348877, -0.06347656,
         0.10302734,  0.10498047, -0.0625    ,  0.17773438, -0.11767578,
        -0.1640625 ,  0.00244141,  0.03540039,  0.05932617, -0.18066406,
        -0.125     , -0.18945312, -0.0168457 , -0.03735352,  0.13574219,
        -0.07373047,  0.01757812, -0.11914062,  0.12255859,  0.15722656,
         0.00634766, -0.02758789, -0.33789062,  0.14550781, -0.03588867,
         0.21484375,  0.24121094,  0.27539062, -0.0534668 , -0.14160156,
         0.05786133,  0.02441406, -0.33984375,  0.05615234,  0.03637695,
         0.01495361,  0.02246094,  0.06884766,  0.26171875, -0.04321289,
        -0.0300293 , -0.11865234, -0.12695312,  0.1015625 ,  0.03198242,
        -0.05444336, -0.10058594,  0.20996094, -0.1953125 , -0.171875  ,
         0.35742188, -0.10546875, -0.18261719, -0.13378906,  0.03173828,
        -0.12597656, -0.2578125 , -0.16308594,  0.16308594, -0.34765625,
        -0.15625   , -0.27148438, -0.42773438,  0.3515625 , -0.04785156,
         0.22753906, -0.23242188, -0.17285156,  0.0123291 ,  0.0213623 ,
        -0.04980469, -0.06225586,  0.13769531, -0.04467773,  0.23144531,
         0.12988281, -0.06787109,  0.171875  ,  0.00622559,  0.25390625,
        -0.04296875, -0.02746582,  0.02404785, -0.0559082 ,  0.20410156,
         0.11523438, -0.08154297,  0.015625  , -0.07763672, -0.06347656,
        -0.05908203,  0.04760742, -0.08984375,  0.00534058, -0.21582031,
        -0.1171875 , -0.12451172,  0.05541992,  0.1484375 , -0.09277344,
        -0.078125  ,  0.328125  , -0.02404785, -0.28710938,  0.00195312,
        -0.05273438,  0.00482178,  0.12988281,  0.02514648,  0.06884766,
         0.02709961, -0.05688477,  0.04003906,  0.11523438,  0.01806641,
        -0.17773438, -0.05053711,  0.01696777, -0.10058594,  0.08056641,
        -0.125     , -0.04980469,  0.09570312, -0.06640625, -0.1484375 ,
        -0.19628906,  0.17578125, -0.04321289, -0.00640869, -0.09179688,
         0.08935547, -0.04321289, -0.16601562, -0.15722656,  0.03540039,
        -0.00151825,  0.21582031, -0.25585938,  0.13964844, -0.01806641,
         0.14160156, -0.08544922, -0.0300293 , -0.06689453, -0.06445312,
         0.12353516, -0.10205078, -0.00570679, -0.33203125, -0.13378906,
        -0.18359375,  0.12304688, -0.07617188,  0.24609375,  0.10742188,
        -0.2578125 , -0.06884766,  0.06494141,  0.01196289, -0.00799561,
        -0.06103516, -0.03198242, -0.08984375,  0.23144531, -0.11083984,
         0.1484375 , -0.09960938,  0.14648438, -0.22851562,  0.12060547,
         0.01013184,  0.109375  , -0.07519531, -0.125     ,  0.16308594,
        -0.1484375 ,  0.0017395 , -0.31445312, -0.15332031,  0.14550781,
        -0.02905273, -0.23828125,  0.15332031,  0.06640625, -0.04663086,
        -0.03564453, -0.1796875 ,  0.12695312,  0.11376953,  0.11621094,
        -0.06347656, -0.06030273, -0.18164062, -0.08349609, -0.14355469,
        -0.12695312,  0.38671875, -0.17480469,  0.04956055,  0.09863281],
       dtype=float32),
 'independence': array([-0.32617188, -0.30859375, -0.24902344,  0.19140625,
0.33007812,
        -0.13769531,  0.16308594, -0.29296875,  0.15039062,  0.08544922,
         0.12109375, -0.23046875, -0.05664062,  0.32421875, -0.23925781,
         0.19824219,  0.13183594,  0.01733398,  0.14355469,  0.0111084 ,
         0.08642578, -0.19042969,  0.08789062,  0.3125    , -0.0559082 ,
         0.1484375 , -0.02819824, -0.1875    ,  0.48242188, -0.06054688,
         0.16796875, -0.02307129, -0.33007812, -0.01220703, -0.03417969,
        -0.08837891, -0.125     ,  0.04418945, -0.23339844,  0.04882812,
         0.22070312,  0.00656128,  0.29296875,  0.11865234, -0.05957031,
         0.11181641, -0.31835938,  0.20507812, -0.25976562,  0.078125  ,
         0.09033203, -0.07324219,  0.05151367,  0.18652344, -0.16015625,
         0.02905273, -0.5546875 , -0.46484375, -0.16796875, -0.0246582 ,
         0.07617188,  0.17871094,  0.11035156, -0.05078125, -0.14453125,
         0.109375  ,  0.01263428,  0.0534668 , -0.02746582,  0.22363281,
         0.37304688, -0.00637817, -0.08105469, -0.08837891, -0.11621094,
        -0.52734375,  0.21386719,  0.2265625 , -0.12792969,  0.57421875,
         0.15332031,  0.19433594,  0.13769531,  0.14941406, -0.22460938,
         0.14941406,  0.07080078,  0.13574219,  0.25195312, -0.01696777,
         0.07714844, -0.40625   , -0.14941406, -0.3046875 ,  0.07910156,
         0.265625  , -0.12109375, -0.07763672,  0.2578125 , -0.09033203,
         0.28515625,  0.19628906, -0.02368164,  0.29101562,  0.421875  ,
```

```
         0.10058594, -0.2890625 ,  0.10595703, -0.078125  , -0.16601562,
        -0.33203125,  0.14648438, -0.12988281, -0.06396484,  0.06982422,
         0.2734375 ,  0.00543213,  0.05737305, -0.1171875 ,  0.03271484,
        -0.14453125,  0.13574219, -0.12695312, -0.14355469, -0.04443359,
         0.16601562,  0.16796875,  0.07617188, -0.15136719,  0.0213623 ,
         0.1484375 ,  0.0222168 , -0.12011719,  0.3046875 ,  0.08203125,
         0.04052734, -0.02429199, -0.13085938,  0.00799561,  0.15527344,
        -0.34179688, -0.16113281, -0.20703125,  0.21972656, -0.14160156,
         0.27929688,  0.13574219,  0.04125977,  0.28515625,  0.13574219,
        -0.15625   ,  0.14453125,  0.04760742,  0.25      ,  0.11083984,
        -0.20507812, -0.23535156, -0.16113281,  0.09033203, -0.12695312,
        -0.25195312,  0.07324219,  0.23046875,  0.265625  , -0.13574219,
        -0.14550781, -0.1796875 ,  0.21289062,  0.0703125 , -0.02685547,
        -0.25195312, -0.09912109,  0.20507812,  0.0267334 , -0.171875  ,
        -0.31640625, -0.00518799,  0.06689453,  0.06835938, -0.44140625,
        -0.546875  , -0.22265625, -0.09228516, -0.38476562,  0.02368164,
         0.16894531, -0.06152344, -0.07958984,  0.40625   ,  0.17675781,
        -0.02868652,  0.17578125,  0.1484375 , -0.24121094,  0.13671875,
        -0.03710938, -0.02563477,  0.13085938,  0.16992188,  0.12158203,
        -0.3515625 ,  0.07177734,  0.03466797, -0.10205078, -0.15234375,
         0.04711914, -0.07958984, -0.38867188,  0.07177734, -0.28710938,
         0.04858398, -0.11767578,  0.00175476,  0.06982422,  0.06396484,
        -0.3046875 , -0.04345703, -0.3203125 ,  0.03613281, -0.04858398,
        -0.19921875,  0.15039062,  0.04394531,  0.00396729, -0.18164062,
        -0.18847656,  0.06884766,  0.12158203,  0.14355469,  0.18457031,
        -0.23242188,  0.16015625, -0.12207031,  0.19824219,  0.00787354,
         0.04296875,  0.05078125,  0.0222168 ,  0.12597656, -0.10986328,
         0.10546875, -0.40234375, -0.09277344,  0.20410156,  0.49804688,
         0.17089844, -0.1796875 , -0.21679688,  0.17773438,  0.20507812,
         0.13085938,  0.18261719, -0.03393555,  0.27539062, -0.03100586,
         0.01116943,  0.296875  ,  0.06103516, -0.13378906,  0.22753906,
         0.15527344,  0.04736328,  0.2109375 ,  0.13964844, -0.08105469,
         0.16308594, -0.12109375, -0.13671875, -0.421875  , -0.20214844,
         0.0133667 , -0.12353516,  0.3671875 ,  0.08251953, -0.13476562,
        -0.11230469, -0.18457031, -0.0546875 , -0.47265625, -0.15527344,
        -0.33984375, -0.00723267, -0.0546875 ,  0.15234375, -0.36132812,
        -0.48828125, -0.17675781,  0.12011719, -0.04003906,  0.07861328,
        -0.359375  , -0.11083984, -0.16113281, -0.12890625, -0.13867188,
         0.04443359, -0.04614258,  0.12060547, -0.02526855,  0.20800781],
       dtype=float32),
 'set': array([ 2.95410156e-02,  2.59765625e-01,  1.93359375e-01,  8.837890
62e-02,
         2.18750000e-01, -4.61425781e-02,  6.39648438e-02,  1.57226562e-01,
         2.24609375e-02,  4.95605469e-02, -2.90527344e-02,  1.21093750e-01,
         1.30615234e-02, -2.13867188e-01, -1.97265625e-01,  1.91406250e-01,
         1.30859375e-01,  1.13525391e-02, -3.46374512e-03, -3.22265625e-02,
        -5.95703125e-02,  1.04003906e-01, -7.51953125e-02,  1.85546875e-01,
         1.95312500e-01, -2.33154297e-02, -6.98242188e-02,  2.49023438e-01,
        -5.22460938e-02,  1.36718750e-01, -9.22851562e-02, -5.41992188e-02,
        -8.66699219e-03, -2.14843750e-01, -3.37890625e-01, -1.15234375e-01,
         4.68750000e-02, -1.94335938e-01,  9.37500000e-02,  1.19628906e-01,
         6.88476562e-02,  5.56640625e-02,  1.29882812e-01, -4.15039062e-02,
         5.34667969e-02, -1.00585938e-01, -6.93359375e-02,  6.98242188e-02,
         9.32617188e-02,  1.28906250e-01, -1.75781250e-02,  1.41601562e-01,
        -1.04370117e-02, -1.40625000e-01, -9.82666016e-03,  1.66015625e-01,
        -6.64062500e-02, -2.94921875e-01, -1.61132812e-01,  2.31933594e-02,
        -1.15234375e-01, -1.24511719e-01,  1.00097656e-01, -3.26171875e-01,
        -1.82617188e-01,  1.24511719e-01,  9.68933105e-04,  1.31835938e-01,
         1.12792969e-01, -3.49121094e-02, -5.71289062e-02,  3.01513672e-02,
        -6.80541992e-03, -6.93359375e-02, -1.97265625e-01, -1.66015625e-01,
         2.25585938e-01,  2.12890625e-01, -9.86328125e-02,  2.24304199e-03,
         6.68945312e-02, -1.72851562e-01,  2.08984375e-01,  4.44335938e-02,
         1.03515625e-01, -2.25830078e-02, -1.05468750e-01, -1.05468750e-01,
        -2.14843750e-01, -4.24804688e-02,  2.73437500e-01,  1.62109375e-01,
```

```
         1.02539062e-02, -9.22851562e-02,  1.08398438e-01, -2.38281250e-01,
        -7.66601562e-02, -1.95312500e-01, -1.87500000e-01,  7.56835938e-02,
        -5.54199219e-02,  1.19140625e-01, -7.69042969e-03, -1.45507812e-01,
        -3.14941406e-02,  5.83496094e-02,  3.10058594e-02,  1.06811523e-02,
        -4.24804688e-02,  1.34765625e-01, -4.41894531e-02, -3.95507812e-02,
        -2.10937500e-01, -1.45507812e-01,  6.73828125e-02,  9.71679688e-02,
         1.23046875e-01, -1.53320312e-01, -2.11181641e-02,  2.95410156e-02,
         8.23974609e-04, -8.59375000e-02,  2.73437500e-01, -8.74023438e-02,
         9.86328125e-02,  1.06445312e-01, -5.10253906e-02, -3.02734375e-01,
         1.52587891e-04,  1.63574219e-02,  1.12792969e-01, -2.24609375e-01,
         1.54296875e-01,  1.05468750e-01, -2.24609375e-02,  1.25976562e-01,
        -1.12304688e-01, -4.63867188e-02, -1.70898438e-01, -1.43554688e-01,
         4.73632812e-02,  1.77734375e-01,  2.77099609e-02,  5.63964844e-02,
         4.71191406e-02,  1.83593750e-01, -3.05175781e-02, -9.47265625e-02,
         9.52148438e-02,  1.07910156e-01,  6.29882812e-02,  6.83593750e-02,
         7.32421875e-02, -1.16210938e-01,  6.29425049e-04, -1.14746094e-01,
        -5.46875000e-02, -1.25976562e-01,  3.85742188e-02, -1.65039062e-01,
         1.33056641e-02, -6.68945312e-02,  3.54003906e-02,  5.56640625e-02,
        -9.46044922e-03,  3.66210938e-02,  2.10937500e-01,  1.77001953e-02,
        -4.51660156e-02, -8.30078125e-02, -3.29589844e-02, -1.61132812e-01,
        -7.66601562e-02,  1.25732422e-02, -1.95312500e-03, -1.95312500e-01,
         1.74804688e-01, -1.85546875e-02, -1.68457031e-02,  8.98437500e-02,
        -9.66796875e-02, -6.88476562e-02, -1.17797852e-02,  9.17968750e-02,
         6.07910156e-02, -1.76757812e-01, -5.73730469e-02,  5.09643555e-03,
         1.34765625e-01, -5.98144531e-02, -1.15234375e-01,  1.20239258e-02,
         2.37304688e-01, -6.12792969e-02, -2.01171875e-01,  1.25976562e-01,
         3.93066406e-02,  5.98144531e-02, -7.03125000e-02, -7.22656250e-02,
         1.24023438e-01,  3.54003906e-02, -2.14843750e-02, -6.39648438e-02,
         4.37011719e-02, -1.26953125e-01,  1.32812500e-01,  7.61718750e-02,
         2.04101562e-01, -3.11279297e-02,  8.05664062e-02,  1.96289062e-01,
        -1.90734863e-03,  1.20849609e-02, -9.13085938e-02, -8.93554688e-02,
         2.19726562e-01, -1.21582031e-01, -2.24609375e-01, -1.20605469e-01,
        -5.29785156e-02, -1.51977539e-02, -2.31933594e-02, -4.76074219e-02,
         1.33789062e-01, -1.10351562e-01, -1.60156250e-01, -1.08642578e-02,
         2.17285156e-02, -1.00585938e-01, -2.23632812e-01, -4.51660156e-02,
         1.46484375e-02,  1.05468750e-01, -4.07714844e-02,  8.44726562e-02,
        -1.50756836e-02, -4.78515625e-02,  5.76782227e-03,  8.69140625e-02,
         2.45117188e-01, -2.44140625e-02,  3.90625000e-02, -1.86523438e-01,
         1.25976562e-01, -1.42578125e-01,  1.96533203e-02, -1.90429688e-02,
         1.56250000e-01, -6.83593750e-02, -1.16699219e-01,  1.20605469e-01,
        -1.28173828e-02,  2.26562500e-01,  3.06640625e-01,  7.76367188e-02,
         9.47265625e-02, -6.15234375e-02,  1.16210938e-01, -2.03857422e-02,
        -1.18652344e-01,  4.49218750e-02, -3.46374512e-03, -3.97949219e-02,
         1.30859375e-01,  9.39941406e-03,  4.56542969e-02, -5.63964844e-02,
         1.33056641e-02,  5.49316406e-02,  2.01416016e-02,  5.07812500e-02,
         1.41601562e-01,  1.14746094e-02,  7.37304688e-02,  1.91650391e-02,
        -5.78613281e-02, -6.88476562e-02,  1.06933594e-01,  1.54296875e-01,
        -3.29589844e-02, -7.61718750e-02, -1.22070312e-01,  1.52343750e-01,
         1.47460938e-01,  2.06054688e-01, -1.18652344e-01, -3.54003906e-02,
         1.83593750e-01,  1.97265625e-01, -9.96093750e-02,  1.79443359e-02,
        -9.76562500e-02, -2.02636719e-02, -4.46777344e-02, -1.01074219e-01,
         1.69372559e-03, -1.28784180e-02,  8.93554688e-02, -3.24218750e-0
1],
       dtype=float32),
 'determine': array([-0.20605469, -0.12451172, -0.02050781, -0.03540039, -
0.0255127 ,
        -0.0703125 ,  0.22070312,  0.0859375 ,  0.25976562, -0.39257812,
        -0.26367188, -0.08105469,  0.17382812,  0.25390625,  0.00445557,
         0.30078125, -0.19335938,  0.15527344, -0.16015625, -0.11474609,
        -0.17871094, -0.17578125, -0.15820312,  0.00082779, -0.12792969,
        -0.125     , -0.23925781, -0.18359375,  0.25195312, -0.12207031,
        -0.19335938, -0.06347656, -0.06640625,  0.21875   , -0.20117188,
        -0.02685547, -0.14453125, -0.16015625,  0.28320312, -0.00445557,
        -0.14355469,  0.10546875,  0.16894531, -0.32617188, -0.23730469,
```

```
        -0.12890625,  0.12597656,  0.10791016,  0.140625  ,  0.23339844,
         0.02441406,  0.203125  , -0.02355957, -0.21582031, -0.29492188,
         0.14550781, -0.17773438, -0.29101562, -0.01660156,  0.17480469,
        -0.16894531, -0.00234985,  0.03393555,  0.02648926,  0.13183594,
        -0.02124023,  0.18359375,  0.24023438, -0.07958984, -0.18847656,
         0.01904297,  0.16601562,  0.17871094, -0.0135498 , -0.07324219,
        -0.04614258,  0.20898438,  0.02600098, -0.11572266,  0.5078125 ,
         0.17675781, -0.17285156,  0.0177002 ,  0.12890625, -0.24707031,
        -0.04858398, -0.27148438,  0.41210938, -0.09228516,  0.16894531,
        -0.18359375, -0.01733398,  0.01013184,  0.03686523,  0.25585938,
         0.03271484,  0.18554688, -0.14941406, -0.03710938, -0.03417969,
         0.18652344, -0.15429688,  0.22558594,  0.06884766, -0.14550781,
         0.01757812, -0.15332031, -0.00921631,  0.0390625 ,  0.08740234,
         0.3046875 , -0.15332031, -0.11669922, -0.13183594, -0.07177734,
        -0.00405884,  0.16210938,  0.15527344,  0.15429688,  0.04321289,
        -0.14941406, -0.09765625, -0.16308594, -0.05981445,  0.01422119,
         0.07275391, -0.21582031, -0.17773438, -0.03710938,  0.12109375,
         0.36914062, -0.21386719, -0.03686523, -0.0189209 ,  0.24414062,
        -0.16894531,  0.03222656,  0.21386719, -0.01403809,  0.03149414,
         0.24804688,  0.1953125 , -0.23242188,  0.19921875,  0.14355469,
         0.11230469, -0.11669922, -0.18164062, -0.03540039,  0.11230469,
        -0.15625   , -0.09277344, -0.28515625,  0.20800781,  0.09960938,
         0.01855469,  0.24804688,  0.07080078, -0.15917969,  0.1875    ,
        -0.11914062,  0.08056641, -0.04614258, -0.16796875,  0.06079102,
         0.15429688,  0.1640625 , -0.10742188,  0.06982422,  0.05883789,
         0.01489258, -0.0378418 , -0.07958984, -0.04052734,  0.03515625,
        -0.203125  ,  0.48828125, -0.07226562, -0.24511719, -0.03173828,
         0.17382812,  0.08984375,  0.03222656,  0.04736328, -0.00205994,
         0.02172852,  0.04150391,  0.13964844,  0.12158203,  0.17382812,
        -0.14355469, -0.06591797,  0.13867188, -0.2890625 , -0.06445312,
        -0.16015625,  0.36523438, -0.33984375, -0.09033203, -0.21875   ,
         0.2578125 ,  0.04711914, -0.21191406, -0.00097656, -0.1015625 ,
        -0.09912109, -0.14257812,  0.06079102,  0.22753906, -0.34960938,
        -0.01538086,  0.24511719, -0.37304688, -0.06982422, -0.29296875,
        -0.12988281,  0.08642578, -0.18066406,  0.01806641, -0.05883789,
        -0.03515625, -0.37890625, -0.18261719, -0.13183594,  0.08691406,
        -0.03710938,  0.09765625,  0.3046875 , -0.04272461,  0.0625    ,
         0.05004883, -0.10351562,  0.06176758,  0.05981445,  0.12988281,
        -0.09814453,  0.11914062, -0.18945312,  0.05517578,  0.09814453,
        -0.20703125, -0.03344727, -0.04052734,  0.12695312, -0.38867188,
        -0.15625   , -0.05566406,  0.02453613,  0.23730469, -0.24414062,
        -0.16699219,  0.03540039,  0.05078125, -0.24414062, -0.01287842,
        -0.00134277, -0.20800781,  0.01159668,  0.08984375, -0.2578125 ,
         0.00732422, -0.08886719, -0.359375  ,  0.26171875,  0.33007812,
        -0.02404785,  0.20410156, -0.15039062,  0.00121307, -0.171875  ,
        -0.09423828,  0.12597656, -0.06982422,  0.06542969, -0.17773438,
         0.06152344, -0.13378906, -0.31835938,  0.09033203,  0.02697754,
         0.125     , -0.2109375 ,  0.12207031,  0.04956055,  0.05932617,
        -0.09814453, -0.12597656,  0.46289062,  0.4140625 ,  0.1015625 ,
         0.08740234,  0.078125  ,  0.05078125,  0.05664062, -0.00811768,
        -0.15039062,  0.07519531, -0.11816406,  0.03540039, -0.07519531],
       dtype=float32),
 'outcome': array([-0.03320312,  0.04736328,  0.10644531,  0.0625    , -0.0
3393555,
        -0.02514648,  0.10302734, -0.30859375,  0.47460938,  0.10107422,
        -0.15722656, -0.07958984,  0.14648438,  0.16015625, -0.07861328,
         0.30664062,  0.21875   ,  0.1640625 ,  0.2421875 , -0.18847656,
        -0.23730469,  0.31835938,  0.16113281,  0.28515625,  0.04467773,
         0.00793457, -0.22558594, -0.20703125, -0.09619141,  0.01672363,
         0.17871094, -0.18554688,  0.00735474, -0.06591797,  0.06298828,
         0.4296875 ,  0.08056641,  0.14648438,  0.109375  , -0.05932617,
         0.0189209 ,  0.10253906, -0.22070312,  0.1484375 , -0.27734375,
        -0.13769531, -0.08886719,  0.14941406, -0.20996094, -0.00177765,
         0.0144043 ,  0.20117188,  0.07226562, -0.23046875,  0.09667969,
```

```
        -0.05932617, -0.08886719, -0.08251953,  0.00062561,  0.01733398,
         0.03833008, -0.06225586,  0.04443359, -0.01623535, -0.171875  ,
        -0.10498047,  0.14355469,  0.15429688, -0.14648438,  0.04589844,
         0.05712891, -0.10449219,  0.17578125,  0.17773438,  0.07861328,
        -0.34765625,  0.07275391, -0.0012207 ,  0.05419922,  0.15527344,
         0.10986328, -0.24609375,  0.109375  , -0.19042969,  0.02062988,
        -0.08691406, -0.11132812,  0.12060547,  0.04272461, -0.04785156,
         0.32421875, -0.0625    ,  0.25195312,  0.17480469,  0.16894531,
        -0.24121094,  0.04516602, -0.04321289, -0.07080078, -0.24414062,
         0.20605469, -0.03930664,  0.19335938, -0.16210938, -0.01165771,
         0.02526855, -0.17871094, -0.20605469,  0.10498047, -0.3046875 ,
         0.36523438,  0.00405884,  0.06884766, -0.13867188,  0.09228516,
        -0.1015625 , -0.00958252,  0.08691406, -0.01507568,  0.05761719,
        -0.07568359,  0.171875  , -0.02282715, -0.11035156, -0.07421875,
         0.36132812, -0.18359375, -0.14941406, -0.11865234, -0.04370117,
         0.07275391, -0.0559082 , -0.22949219, -0.15722656, -0.21191406,
        -0.09619141,  0.00292969, -0.04394531, -0.05566406,  0.07421875,
         0.25585938,  0.00570679,  0.05004883, -0.03015137,  0.11083984,
         0.05151367, -0.25      , -0.03881836, -0.32421875,  0.10888672,
         0.05224609,  0.11083984, -0.31640625, -0.05249023,  0.08886719,
        -0.07861328, -0.03564453, -0.19726562,  0.0213623 ,  0.359375  ,
        -0.45898438, -0.01599121,  0.34570312,  0.18652344, -0.140625  ,
        -0.02038574,  0.03198242,  0.16113281,  0.30078125,  0.19628906,
        -0.13964844, -0.10351562, -0.04394531, -0.40039062,  0.14160156,
        -0.18359375,  0.14355469, -0.03271484,  0.15820312,  0.04125977,
        -0.08544922, -0.00872803,  0.29882812, -0.05200195, -0.11328125,
         0.02624512,  0.15820312,  0.27734375,  0.14257812,  0.18945312,
         0.22363281,  0.14648438, -0.10253906, -0.11767578,  0.03198242,
        -0.16992188,  0.24609375,  0.18359375, -0.08642578, -0.01263428,
         0.01416016,  0.08203125, -0.20410156, -0.10009766, -0.0559082 ,
        -0.08691406,  0.12060547, -0.08837891,  0.18847656, -0.21484375,
         0.03271484,  0.24609375,  0.09326172,  0.05932617, -0.16894531,
        -0.265625  ,  0.0144043 , -0.27734375, -0.05053711,  0.18066406,
         0.08056641,  0.01501465, -0.10449219,  0.14355469, -0.08447266,
         0.11279297,  0.23632812,  0.00221252,  0.15039062,  0.21582031,
         0.14746094,  0.09179688,  0.09863281, -0.3984375 ,  0.15234375,
        -0.3359375 , -0.17089844, -0.06298828,  0.47265625, -0.01660156,
        -0.0279541 , -0.07714844,  0.13574219, -0.09228516, -0.20507812,
        -0.08154297, -0.11279297, -0.02001953,  0.00222778,  0.09130859,
        -0.12597656,  0.14453125,  0.203125  , -0.13378906, -0.01745605,
        -0.08984375,  0.2421875 ,  0.05517578, -0.07275391, -0.09716797,
         0.12304688,  0.02453613,  0.05688477,  0.21484375,  0.05322266,
         0.21875   ,  0.11816406,  0.00389099, -0.20117188, -0.11767578,
         0.33398438,  0.04248047, -0.12890625,  0.19921875, -0.10498047,
         0.18359375,  0.0189209 ,  0.20898438,  0.15429688,  0.1640625 ,
         0.23339844,  0.04614258, -0.09863281,  0.00665283, -0.01025391,
        -0.20800781,  0.16113281, -0.21582031, -0.1171875 , -0.03112793,
        -0.34570312,  0.08251953,  0.0133667 , -0.09082031,  0.20117188,
         0.14941406,  0.1953125 ,  0.09277344,  0.04589844,  0.0480957 ],
       dtype=float32),
 'train': array([-0.00271606,  0.23242188,  0.05786133, -0.03088379,  0.092
28516,
        -0.10986328, -0.27148438, -0.29492188,  0.03735352, -0.09814453,
         0.07226562,  0.16796875,  0.02929688, -0.2734375 , -0.203125  ,
         0.11962891, -0.19628906,  0.13085938,  0.234375  , -0.28710938,
         0.09863281,  0.03564453, -0.12988281,  0.20996094,  0.18847656,
        -0.07128906,  0.00241089,  0.03015137,  0.05371094, -0.01672363,
         0.07275391, -0.23144531, -0.26953125, -0.21972656, -0.17773438,
        -0.14550781, -0.27734375,  0.19042969, -0.11767578,  0.03442383,
        -0.34960938,  0.08056641,  0.07226562, -0.11230469, -0.14550781,
        -0.18261719, -0.06689453,  0.02514648, -0.06494141,  0.22460938,
        -0.02197266,  0.33789062,  0.09863281,  0.01965332, -0.16601562,
        -0.05712891,  0.10498047,  0.05151367, -0.15039062,  0.03112793,
         0.22167969, -0.4140625 ,  0.0390625 , -0.078125  ,  0.07861328,
```

```
         0.10009766, -0.13964844,  0.06640625,  0.11328125,  0.14648438,
        -0.11865234,  0.40234375, -0.18066406,  0.1640625 , -0.11914062,
        -0.18359375,  0.01184082, -0.16113281, -0.27734375, -0.11865234,
         0.03039551,  0.06005859,  0.02355957,  0.04272461, -0.16894531,
         0.16503906, -0.13574219, -0.21191406,  0.13671875, -0.07128906,
        -0.16699219,  0.05541992, -0.05102539,  0.09033203,  0.13574219,
         0.06030273, -0.0133667 ,  0.06835938,  0.1875    , -0.25390625,
        -0.09423828, -0.17578125,  0.22265625,  0.5234375 ,  0.17285156,
        -0.03686523,  0.18554688,  0.0222168 ,  0.26171875, -0.14941406,
        -0.3203125 ,  0.01721191,  0.03613281, -0.10791016,  0.16210938,
         0.06103516,  0.06933594,  0.05908203, -0.03149414,  0.25390625,
        -0.1484375 , -0.00469971, -0.04614258, -0.04174805, -0.140625  ,
        -0.02404785, -0.1875    , -0.14355469, -0.03369141,  0.04077148,
         0.07666016, -0.04125977, -0.24902344, -0.24804688, -0.00115204,
        -0.10595703, -0.08789062,  0.06689453, -0.14160156,  0.33203125,
        -0.25390625, -0.34570312,  0.07177734, -0.01550293,  0.06738281,
         0.24023438, -0.10742188, -0.16113281,  0.04321289, -0.08740234,
         0.12695312,  0.05371094,  0.14746094,  0.09765625, -0.15039062,
         0.07324219, -0.06591797, -0.13574219, -0.13378906, -0.35742188,
         0.16699219, -0.02856445, -0.04394531,  0.00463867,  0.03955078,
        -0.11230469,  0.20117188, -0.44726562,  0.20507812, -0.12060547,
        -0.30273438, -0.07861328, -0.2734375 ,  0.00527954,  0.09716797,
         0.02258301, -0.01269531, -0.14355469, -0.171875  ,  0.02050781,
         0.05371094, -0.0255127 , -0.14550781, -0.11230469,  0.18164062,
         0.20117188,  0.01312256,  0.05712891, -0.21582031,  0.15722656,
         0.22460938,  0.05908203, -0.18847656,  0.11865234,  0.12304688,
        -0.09277344, -0.12011719, -0.20507812, -0.25585938, -0.03076172,
         0.01989746,  0.12597656, -0.25976562,  0.13867188, -0.21386719,
        -0.34570312, -0.24511719,  0.20410156,  0.12597656,  0.03637695,
        -0.05517578, -0.19238281,  0.02624512,  0.05639648, -0.17675781,
         0.23144531,  0.18457031,  0.1015625 ,  0.02368164, -0.12988281,
         0.09960938,  0.0859375 ,  0.46875   ,  0.1015625 ,  0.02441406,
        -0.1953125 , -0.25976562,  0.11621094,  0.23242188,  0.04321289,
         0.0378418 , -0.10107422,  0.1015625 ,  0.31640625,  0.01574707,
         0.15625   , -0.15820312,  0.03662109, -0.02941895,  0.00775146,
        -0.13574219,  0.01275635, -0.00646973, -0.10839844, -0.24414062,
        -0.11132812, -0.09179688, -0.04833984, -0.01464844, -0.21972656,
        -0.07617188,  0.27734375,  0.05249023,  0.15527344,  0.02380371,
        -0.05517578,  0.03198242, -0.02819824, -0.28320312, -0.37890625,
        -0.20117188,  0.00317383, -0.12158203,  0.11914062, -0.01708984,
         0.14550781, -0.05566406, -0.15332031, -0.42773438,  0.19628906,
         0.17089844,  0.15820312,  0.01843262,  0.13671875,  0.12207031,
        -0.2578125 , -0.13476562, -0.12402344, -0.03662109, -0.0213623 ,
        -0.01507568,  0.09765625, -0.11328125, -0.04614258,  0.07324219,
         0.02026367, -0.31054688,  0.12158203,  0.22558594,  0.0456543 ,
        -0.08349609,  0.11767578, -0.078125  ,  0.02575684, -0.00717163,
        -0.125     , -0.24414062,  0.3671875 ,  0.00325012, -0.11572266],
       dtype=float32),
 'measure': array([-0.03051758,  0.06933594,  0.046875  ,  0.02209473, -0.0
9765625,
         0.11523438,  0.16015625,  0.01660156,  0.09912109, -0.02099609,
        -0.05102539, -0.20703125,  0.15039062, -0.02587891, -0.14941406,
         0.08007812,  0.12304688,  0.04248047, -0.08007812, -0.24316406,
         0.21289062, -0.01708984, -0.3515625 , -0.06738281, -0.20410156,
         0.03442383, -0.13085938,  0.14550781, -0.02355957,  0.15625   ,
        -0.11474609, -0.29101562,  0.03613281, -0.04125977,  0.07568359,
         0.07470703, -0.10839844,  0.12353516,  0.10986328,  0.17675781,
         0.15332031,  0.17578125,  0.25585938, -0.00741577, -0.25976562,
        -0.00836182, -0.06835938,  0.09619141, -0.03173828,  0.04370117,
         0.02490234,  0.10400391, -0.24804688, -0.06152344,  0.10351562,
         0.07128906, -0.31445312,  0.0246582 , -0.11767578,  0.125     ,
         0.04833984, -0.10205078, -0.15234375, -0.3125    ,  0.2578125 ,
         0.06640625, -0.02124023,  0.23242188,  0.17089844, -0.15527344,
        -0.10839844, -0.02929688,  0.14257812,  0.07666016,  0.20507812,
```

```
        -0.1484375 ,  0.01116943, -0.04467773,  0.04663086,  0.03955078,
         0.11962891, -0.06176758, -0.11962891,  0.08447266,  0.00976562,
         0.12988281, -0.01239014,  0.3515625 , -0.05224609,  0.09277344,
         0.11083984,  0.06005859,  0.03344727,  0.05371094, -0.02172852,
        -0.03979492, -0.02978516,  0.08544922,  0.08886719, -0.13867188,
         0.17382812, -0.09423828,  0.18359375, -0.16796875,  0.09326172,
         0.26367188,  0.0859375 , -0.21777344,  0.18847656, -0.25195312,
         0.2578125 ,  0.03417969,  0.07568359, -0.11376953,  0.171875  ,
         0.20898438, -0.00144958,  0.16699219,  0.07226562,  0.14453125,
         0.0559082 ,  0.11816406, -0.23144531, -0.00668335,  0.12695312,
        -0.07763672,  0.11328125, -0.15039062,  0.20410156, -0.11572266,
         0.34375   ,  0.09472656,  0.00738525, -0.23828125,  0.18261719,
         0.2890625 ,  0.046875  ,  0.00361633, -0.00183105,  0.01251221,
         0.09521484,  0.01055908, -0.01556396, -0.10546875,  0.18847656,
        -0.21289062, -0.2109375 , -0.18066406, -0.10009766,  0.14355469,
         0.11914062,  0.08007812, -0.22949219,  0.19726562, -0.12988281,
        -0.14941406, -0.21191406,  0.09521484, -0.08447266, -0.22460938,
         0.11425781,  0.1171875 ,  0.2890625 ,  0.00860596, -0.24609375,
        -0.22851562,  0.05908203,  0.26953125,  0.07177734,  0.06884766,
        -0.13476562,  0.05957031, -0.15136719,  0.0133667 ,  0.11083984,
        -0.07666016,  0.04223633, -0.1171875 , -0.01416016, -0.02416992,
        -0.2109375 ,  0.11621094,  0.05053711, -0.00099182,  0.0859375 ,
        -0.27539062, -0.14355469,  0.11523438, -0.01586914,  0.17285156,
        -0.19628906, -0.00082016,  0.21289062, -0.10644531, -0.27539062,
        -0.07177734,  0.20605469, -0.07275391,  0.18554688, -0.05395508,
         0.02893066,  0.06445312,  0.08398438,  0.22265625, -0.06347656,
         0.12988281,  0.10449219,  0.01385498,  0.04296875, -0.296875  ,
        -0.19628906,  0.234375  , -0.43554688, -0.04443359, -0.32421875,
        -0.0390625 ,  0.21582031,  0.03833008, -0.04101562,  0.09814453,
         0.24023438, -0.10888672,  0.06494141, -0.42578125, -0.06933594,
         0.13378906,  0.32421875,  0.11523438,  0.2109375 ,  0.13183594,
        -0.12597656,  0.16210938,  0.10107422,  0.10400391,  0.08789062,
         0.18457031, -0.10009766, -0.09765625,  0.15332031, -0.13183594,
        -0.01708984, -0.03979492,  0.15332031, -0.02111816,  0.02954102,
        -0.07617188, -0.0123291 ,  0.15332031, -0.23144531,  0.02832031,
        -0.3828125 , -0.04443359, -0.06591797, -0.08789062, -0.13085938,
         0.04589844,  0.10693359,  0.23828125, -0.09570312, -0.00878906,
         0.07373047,  0.02648926, -0.32226562, -0.04052734,  0.02575684,
        -0.04077148, -0.02966309, -0.16503906, -0.0625    , -0.00436401,
        -0.02099609,  0.171875  , -0.18164062,  0.07617188, -0.20117188,
        -0.08886719, -0.36914062, -0.28320312,  0.06152344, -0.15039062,
        -0.16894531, -0.09570312, -0.0045166 ,  0.16015625, -0.05444336,
        -0.34960938, -0.18847656,  0.08447266,  0.21972656,  0.15527344,
        -0.16503906,  0.19824219,  0.20703125, -0.1796875 , -0.30664062,
         0.125     , -0.07226562, -0.01385498,  0.07958984,  0.0213623 ],
       dtype=float32),
 'case': array([ 0.05786133,  0.07714844, -0.06201172,  0.06079102,  0.0839
8438,
         0.26171875,  0.24902344,  0.02575684,  0.20507812,  0.08642578,
         0.00848389,  0.0201416 , -0.05664062, -0.09521484, -0.2421875 ,
         0.16992188,  0.171875  , -0.00564575, -0.09375   , -0.07617188,
         0.18554688, -0.06933594,  0.0222168 , -0.08398438,  0.01965332,
        -0.15820312, -0.14355469, -0.08837891, -0.06738281,  0.24023438,
         0.03662109, -0.14257812,  0.05810547,  0.12451172,  0.01281738,
         0.13769531,  0.25195312, -0.02490234,  0.07470703,  0.01586914,
        -0.06591797,  0.16796875, -0.05615234,  0.12060547, -0.2265625 ,
        -0.12597656, -0.03149414,  0.0559082 , -0.05419922,  0.08398438,
         0.08154297, -0.21484375, -0.12255859, -0.07958984,  0.00273132,
        -0.02746582,  0.0011673 ,  0.02856445,  0.11279297, -0.06298828,
        -0.13769531, -0.0100708 ,  0.07519531, -0.00205994, -0.13183594,
         0.00741577,  0.08154297, -0.05810547, -0.06738281, -0.140625  ,
         0.17871094, -0.15625   ,  0.14746094,  0.02233887, -0.10595703,
         0.05932617,  0.19335938,  0.09375   ,  0.22851562,  0.0625    ,
         0.10009766,  0.05029297,  0.22753906, -0.18945312, -0.03222656,
```

```
        -0.17089844, -0.19433594,  0.1953125 , -0.0045166 , -0.10888672,
         0.19042969,  0.08496094,  0.01049805,  0.06640625, -0.07421875,
        -0.04614258,  0.12109375,  0.04077148,  0.08154297, -0.00805664,
        -0.06152344,  0.00772095,  0.03979492, -0.01855469, -0.11376953,
         0.03088379, -0.18945312,  0.07666016,  0.16601562, -0.05297852,
         0.08251953,  0.01794434, -0.11816406,  0.07910156,  0.05444336,
        -0.06884766, -0.06884766,  0.03271484,  0.13085938,  0.25390625,
        -0.06542969, -0.07958984, -0.203125  ,  0.05078125,  0.125     ,
         0.06835938, -0.00113678, -0.22167969,  0.05664062, -0.03808594,
        -0.01556396, -0.22949219, -0.0703125 , -0.14648438,  0.06396484,
        -0.16210938,  0.11132812,  0.05615234, -0.13964844,  0.0402832 ,
         0.37304688,  0.07910156,  0.02990723, -0.03588867, -0.03015137,
         0.19824219, -0.171875  , -0.0013504 , -0.05102539,  0.00262451,
         0.375     , -0.03930664, -0.09912109, -0.20996094, -0.14160156,
         0.01373291, -0.16503906, -0.15234375, -0.09033203,  0.08544922,
         0.03710938, -0.1875    ,  0.19042969, -0.08056641, -0.11865234,
         0.140625  ,  0.14355469, -0.08300781,  0.04345703, -0.02636719,
        -0.03686523, -0.02734375, -0.18359375, -0.03173828, -0.02526855,
        -0.16796875,  0.23144531,  0.0402832 ,  0.07177734, -0.00494385,
         0.11914062, -0.04370117, -0.35351562, -0.30078125,  0.12304688,
         0.03369141,  0.09912109,  0.04345703,  0.01953125,  0.12597656,
         0.02746582,  0.0703125 ,  0.0300293 ,  0.00842285, -0.01489258,
        -0.00521851,  0.03320312, -0.04907227, -0.04711914,  0.12988281,
         0.16699219,  0.06445312, -0.04003906, -0.03540039,  0.05712891,
        -0.06445312, -0.08056641, -0.08105469,  0.17480469,  0.03979492,
         0.046875  ,  0.04589844, -0.01806641,  0.12597656, -0.15722656,
         0.09667969, -0.15234375, -0.11425781, -0.10498047,  0.10498047,
        -0.13574219,  0.07470703,  0.02758789,  0.3125    , -0.10107422,
        -0.01477051,  0.11767578,  0.18652344, -0.09619141,  0.03540039,
        -0.04711914,  0.10351562, -0.14453125, -0.10253906, -0.04711914,
        -0.07128906, -0.12402344,  0.05664062,  0.09326172, -0.03857422,
        -0.21875   , -0.07324219,  0.16699219, -0.18945312, -0.15820312,
         0.27539062, -0.01599121, -0.00836182,  0.3046875 ,  0.01177979,
         0.00698853, -0.0456543 ,  0.00769043, -0.05712891,  0.07421875,
        -0.07568359,  0.05371094,  0.17480469,  0.02978516, -0.16113281,
        -0.06494141,  0.0625    , -0.28125   ,  0.0703125 ,  0.03393555,
         0.32421875, -0.05786133, -0.04125977, -0.29101562, -0.10351562,
         0.27148438,  0.10205078,  0.14941406,  0.02844238,  0.07861328,
         0.01989746, -0.02709961, -0.05664062, -0.10888672, -0.11230469,
        -0.07568359, -0.05126953,  0.17578125,  0.140625  , -0.0324707 ,
        -0.08251953, -0.04418945, -0.0559082 , -0.04370117,  0.10400391,
         0.00646973, -0.11035156,  0.05224609,  0.02270508,  0.07226562,
         0.06347656, -0.04296875, -0.12988281,  0.01165771,  0.12109375],
       dtype=float32),
 'sure': array([-1.04492188e-01,  2.97546387e-03, -1.01074219e-01,  9.64355
469e-03,
        -1.05468750e-01, -5.90820312e-02,  2.39257812e-01,  2.75878906e-02,
         2.63671875e-01, -1.21093750e-01, -2.15820312e-01, -2.05078125e-01,
        -5.61523438e-02, -4.93164062e-02, -2.63671875e-01, -6.49414062e-02,
         3.93066406e-02,  2.81982422e-02,  1.15722656e-01, -9.08203125e-02,
         6.68334961e-03,  9.76562500e-02,  2.09960938e-01, -6.22558594e-02,
         1.92871094e-02,  1.10473633e-02, -3.32031250e-02, -1.66992188e-01,
        -3.73535156e-02, -5.29785156e-02, -2.59765625e-01,  7.71484375e-02,
         3.63159180e-03,  5.41992188e-02, -7.51953125e-02, -1.25000000e-01,
         1.29882812e-01,  1.47460938e-01,  6.05468750e-02,  1.14746094e-01,
         1.59179688e-01, -8.93554688e-02,  2.01171875e-01, -1.14257812e-01,
        -1.54296875e-01, -7.04956055e-03,  1.06543303e-06,  6.93359375e-02,
         5.88378906e-02, -1.75781250e-02,  3.39355469e-02,  8.10546875e-02,
        -1.08032227e-02,  5.20019531e-02,  9.57031250e-02,  7.95898438e-02,
        -4.79125977e-03, -1.85546875e-01,  4.15039062e-02, -1.91406250e-01,
        -7.61718750e-02,  7.72094727e-03, -1.70898438e-01,  2.97851562e-02,
         1.53320312e-01, -1.11816406e-01, -4.27246094e-02, -1.17797852e-02,
        -1.57226562e-01, -5.12695312e-02, -1.91650391e-02,  2.12890625e-01,
         1.68945312e-01,  8.10546875e-02, -2.81250000e-01,  1.20117188e-01,
```

```
         1.75781250e-01,  8.64257812e-02, -6.20117188e-02,  1.77734375e-01,
         9.91210938e-02,  1.81884766e-02,  1.54296875e-01,  3.08837891e-02,
        -1.28906250e-01, -3.16406250e-01, -2.00195312e-01,  1.18164062e-01,
         1.85546875e-02,  1.47460938e-01, -1.05468750e-01,  5.05371094e-02,
         4.17480469e-02, -9.37500000e-02, -1.67236328e-02, -7.37304688e-02,
         5.46875000e-02, -1.98974609e-02, -1.97265625e-01, -3.32031250e-02,
        -1.73828125e-01,  4.83398438e-02,  2.12890625e-01,  1.13281250e-01,
        -7.81250000e-02,  5.07812500e-02, -4.41894531e-02, -1.55639648e-03,
         3.63769531e-02,  3.29589844e-02, -5.27343750e-02, -9.32617188e-02,
        -1.47460938e-01, -1.32446289e-02, -6.44531250e-02, -1.05957031e-01,
         1.25000000e-01,  1.68945312e-01, -1.05957031e-01,  6.15234375e-02,
        -3.18359375e-01,  1.50390625e-01, -1.90429688e-02,  9.76562500e-02,
         1.46484375e-01, -5.78613281e-02, -2.27539062e-01, -2.57568359e-02,
        -7.32421875e-02, -5.10253906e-02, -1.58203125e-01, -1.39648438e-01,
        -5.10253906e-02,  7.95898438e-02, -8.10546875e-02, -2.34375000e-01,
         6.98242188e-02,  3.47656250e-01,  1.82617188e-01,  3.02734375e-01,
         5.32226562e-02,  6.98089600e-04, -7.42187500e-02, -6.88476562e-02,
         1.07421875e-01,  2.34375000e-01, -3.75976562e-02,  1.78222656e-02,
         1.32812500e-01, -9.13085938e-02, -1.02539062e-01,  1.95312500e-01,
        -1.97265625e-01, -1.72119141e-02, -4.46777344e-02,  2.70996094e-02,
        -6.68945312e-02, -1.05590820e-02, -2.08007812e-01,  5.07812500e-02,
        -2.85644531e-02, -3.97949219e-02,  5.22460938e-02,  1.28906250e-01,
        -5.27343750e-02, -9.37500000e-02, -9.91210938e-02, -1.57226562e-01,
         1.04003906e-01, -1.26953125e-01, -1.77734375e-01,  9.13085938e-02,
         6.73828125e-02, -1.12304688e-01, -1.97265625e-01,  1.74560547e-02,
         1.62109375e-01, -1.83593750e-01, -6.29882812e-02, -2.12402344e-02,
        -2.18505859e-02, -7.12890625e-02,  1.17187500e-01,  4.61425781e-02,
        -4.44335938e-02, -6.95800781e-03, -1.22070312e-01, -4.98046875e-02,
        -3.51562500e-02, -1.68457031e-02, -2.23632812e-01,  4.80957031e-02,
         1.15722656e-01, -7.08007812e-02,  1.12792969e-01, -2.10937500e-01,
         4.98046875e-02, -6.64062500e-02, -3.47656250e-01, -2.75390625e-01,
         9.91210938e-02,  5.34667969e-02,  7.56835938e-02, -7.44628906e-03,
        -8.59375000e-02,  5.63964844e-02, -1.51367188e-01, -9.81445312e-02,
         1.68945312e-01, -1.68945312e-01,  2.18200684e-03,  3.84765625e-01,
        -1.45507812e-01, -7.12890625e-02, -9.61914062e-02,  5.78613281e-02,
         3.66210938e-02,  2.97851562e-02, -1.90429688e-01,  8.39843750e-02,
        -6.25000000e-02, -1.75781250e-01, -2.10937500e-01, -4.61425781e-02,
         7.91015625e-02, -8.54492188e-02,  2.31445312e-01,  3.36914062e-02,
         2.44140625e-02, -1.42578125e-01, -4.61425781e-02,  5.37109375e-02,
        -7.47070312e-02, -4.07714844e-02, -7.65991211e-03,  9.71679688e-02,
        -7.56835938e-02, -1.68945312e-01, -7.03125000e-02, -1.88476562e-01,
         6.25000000e-02,  1.55273438e-01, -1.51367188e-02, -8.20312500e-02,
        -3.28125000e-01,  5.15136719e-02,  1.35742188e-01,  2.69531250e-01,
        -3.71093750e-02,  1.70898438e-02, -2.91015625e-01,  2.47802734e-02,
         2.41210938e-01, -2.09960938e-02,  3.12500000e-01, -1.37695312e-01,
        -1.68457031e-02,  2.85644531e-02, -1.40625000e-01, -1.35742188e-01,
        -1.91650391e-02,  7.56835938e-02, -1.80664062e-01,  1.07421875e-01,
         4.58984375e-02,  2.23388672e-02,  1.62109375e-01, -7.66601562e-02,
        -1.87500000e-01, -3.19824219e-02,  1.50390625e-01,  1.04492188e-01,
         3.16406250e-01,  1.67968750e-01, -2.07519531e-02, -1.97265625e-01,
         1.35742188e-01, -2.81250000e-01, -1.79687500e-01,  1.52343750e-01,
         3.00292969e-02, -2.94494629e-03,  4.41894531e-02,  1.95312500e-01,
         2.26562500e-01, -1.05590820e-02, -8.93554688e-02,  1.18408203e-02,
         1.23046875e-01,  1.52587891e-02, -9.22851562e-02,  2.89306641e-02,
        -1.42578125e-01, -1.69677734e-02, -5.41992188e-02, -8.93554688e-02,
        -5.98144531e-02, -6.25000000e-02,  5.93261719e-02, -2.10937500e-0
1],
       dtype=float32),
 'policy': array([-9.17968750e-02,  6.98242188e-02,  1.00097656e-01,  3.535
15625e-01,
        -9.32617188e-02, -2.55859375e-01,  1.76757812e-01,  1.31835938e-01,
         1.08398438e-01, -1.85546875e-01, -4.34570312e-02, -3.90625000e-01,
        -9.08203125e-02,  1.15966797e-02, -3.04687500e-01,  2.28515625e-01,
         1.10351562e-01,  1.38671875e-01, -1.56250000e-01, -1.92382812e-01,
```

```
 8.25195312e-02,  2.96875000e-01,  1.97753906e-02,  2.61718750e-01,
-7.12890625e-02,  2.79296875e-01, -4.90722656e-02,  1.57226562e-01,
 9.27734375e-02,  1.57226562e-01, -8.98437500e-02, -4.45312500e-01,
-1.69921875e-01, -1.72851562e-01, -3.39355469e-02, -9.03320312e-02,
 1.90429688e-01,  1.19628906e-01,  1.08398438e-01,  2.70996094e-02,
 4.80957031e-02, -3.14941406e-02, -1.85546875e-01, -9.57031250e-02,
-5.78613281e-02, -3.63769531e-02,  1.54296875e-01, -1.18164062e-01,
-2.22656250e-01,  1.83105469e-02,  1.01074219e-01,  1.67236328e-02,
-7.76367188e-02,  2.31445312e-01,  8.93554688e-02, -1.26953125e-01,
-1.64062500e-01,  1.20117188e-01,  6.44531250e-02, -2.71484375e-01,
-2.24609375e-01,  1.84570312e-01, -7.95898438e-02,  6.49414062e-02,
-1.32812500e-01,  1.28906250e-01,  1.56250000e-01,  1.26953125e-01,
-1.35742188e-01,  1.24511719e-01, -1.84570312e-01,  1.26953125e-01,
 1.37695312e-01,  9.86328125e-02, -1.54296875e-01, -8.83789062e-02,
-7.81250000e-02,  3.35937500e-01, -5.07812500e-02,  5.12695312e-02,
 3.06640625e-01,  5.00488281e-02, -8.34960938e-02,  2.51953125e-01,
-1.90429688e-02, -1.54296875e-01, -1.22070312e-01, -3.50952148e-03,
-7.51953125e-02,  6.93359375e-02,  9.22851562e-02, -9.71679688e-02,
 8.00781250e-02, -2.77099609e-02, -7.32421875e-02, -9.47265625e-02,
-2.11181641e-02, -2.09960938e-01,  1.67968750e-01, -9.66796875e-02,
 9.57031250e-02,  4.48608398e-03,  1.22070312e-02,  5.93261719e-02,
 4.27246094e-03, -1.04492188e-01, -2.34375000e-02, -2.98828125e-01,
 9.03320312e-02, -1.77734375e-01, -5.76171875e-02, -1.69921875e-01,
-1.68945312e-01,  1.63085938e-01,  1.15234375e-01,  9.86328125e-02,
 1.40625000e-01,  1.01562500e-01,  2.12890625e-01,  1.13769531e-01,
-5.07812500e-02,  5.46875000e-02,  3.41796875e-02,  2.48046875e-01,
-1.00708008e-02,  2.14843750e-02,  1.04980469e-02,  3.95507812e-02,
-5.73730469e-03, -6.03027344e-02, -1.31988525e-03, -1.98242188e-01,
-8.98437500e-02, -5.88378906e-02, -4.61425781e-02, -3.44238281e-02,
-1.01074219e-01,  3.07617188e-02, -2.10937500e-01,  1.14746094e-01,
 2.30468750e-01,  1.15234375e-01,  8.88671875e-02, -1.77001953e-02,
-6.44531250e-02, -3.39355469e-02,  5.88378906e-02, -6.93359375e-02,
-1.06933594e-01,  2.87109375e-01,  8.05664062e-02, -2.59765625e-01,
 9.52148438e-02, -1.40991211e-02,  3.80859375e-02, -1.59179688e-01,
-3.78417969e-02,  4.22363281e-02, -5.44433594e-02, -5.00488281e-02,
-6.73828125e-02, -8.64257812e-02,  2.83203125e-01, -4.73632812e-02,
-1.00097656e-02,  2.21679688e-01,  1.21093750e-01, -1.05468750e-01,
 1.66992188e-01, -3.43750000e-01, -1.17187500e-02,  2.07519531e-02,
 9.76562500e-02, -7.81250000e-02,  1.28906250e-01, -5.51757812e-02,
 2.08984375e-01, -2.42187500e-01, -4.34570312e-02, -1.88476562e-01,
-3.67187500e-01, -1.33789062e-01,  5.73730469e-02,  8.78906250e-02,
 4.95605469e-02,  2.28271484e-02,  9.42382812e-02,  2.30712891e-02,
-1.92871094e-02,  1.02539062e-01,  6.34765625e-02,  2.96630859e-02,
 6.68945312e-02,  1.96289062e-01, -2.24609375e-01,  3.02734375e-02,
-1.86523438e-01,  1.63085938e-01,  3.78417969e-02,  1.16699219e-01,
-1.31835938e-01,  2.34375000e-02,  1.41601562e-01,  1.00097656e-01,
-1.17187500e-01,  4.78515625e-02,  2.15820312e-01, -4.33349609e-03,
-3.58886719e-02, -1.02050781e-01, -1.12304688e-01, -8.93554688e-02,
 8.05664062e-02, -3.47900391e-03,  1.15966797e-02,  1.36718750e-01,
-1.44531250e-01,  9.57031250e-02, -4.24804688e-02,  2.48046875e-01,
-2.65625000e-01,  1.59912109e-02,  5.59082031e-02, -1.30004883e-02,
-1.29882812e-01, -1.87500000e-01,  1.34765625e-01,  1.64062500e-01,
 1.76757812e-01,  1.75781250e-01, -1.35742188e-01,  4.19921875e-02,
 2.41699219e-02, -2.02148438e-01,  1.87500000e-01,  1.77734375e-01,
 2.37304688e-01, -7.03125000e-02,  1.88476562e-01, -2.71484375e-01,
 4.58984375e-02, -1.86523438e-01, -2.64892578e-02, -1.31835938e-01,
-2.37304688e-01,  1.30859375e-01, -3.56445312e-02,  1.55273438e-01,
 2.29492188e-02, -3.03955078e-02, -2.12890625e-01, -1.43554688e-01,
-7.56835938e-02, -6.22558594e-02,  2.94189453e-02, -1.66015625e-01,
-9.33837891e-03,  7.03125000e-02, -7.86132812e-02,  3.54003906e-02,
 3.35937500e-01, -1.13769531e-01,  4.54101562e-02,  9.81445312e-02,
-1.23046875e-01, -6.44531250e-02,  3.99780273e-03, -7.71484375e-02,
-4.27734375e-01, -1.67968750e-01,  1.97753906e-02,  1.15722656e-01,
 2.06298828e-02,  3.90625000e-01, -3.55468750e-01,  7.42187500e-02,
```

```
         9.57031250e-02,  1.77734375e-01, -1.61132812e-02, -4.91333008e-03,
        -1.05957031e-01, -5.54199219e-02,  2.63671875e-01,  1.39648438e-01,
         2.05039978e-04,  4.66308594e-02, -1.32812500e-01,  1.45507812e-01,
         1.43554688e-01, -4.02832031e-02, -2.63671875e-01,  2.18505859e-02,
         2.96875000e-01, -6.54296875e-02, -1.96289062e-01, -7.08007812e-02,
         2.55859375e-01, -6.00585938e-02, -1.25122070e-02,  2.48046875e-0
1],
       dtype=float32),
 'followed': array([-0.12890625,  0.0625    ,  0.37109375, -0.08056641,  0.
03100586,
        -0.3125    , -0.06933594, -0.05126953,  0.16601562,  0.27929688,
         0.05419922, -0.06298828,  0.14648438,  0.09033203, -0.02294922,
        -0.03442383,  0.20507812, -0.15039062,  0.07080078, -0.07617188,
        -0.02026367,  0.15820312, -0.07910156,  0.01019287, -0.0222168 ,
        -0.02954102, -0.21777344,  0.13085938,  0.10791016,  0.28320312,
        -0.01428223, -0.32421875, -0.05566406, -0.02185059, -0.16992188,
        -0.27539062,  0.10986328, -0.10498047,  0.16308594,  0.01574707,
         0.2578125 , -0.23925781, -0.03833008,  0.00769043,  0.10986328,
         0.11962891, -0.04736328, -0.1015625 ,  0.16015625, -0.17578125,
        -0.15625   ,  0.01348877, -0.02734375,  0.04199219,  0.05053711,
         0.22167969, -0.12597656, -0.01202393,  0.05175781, -0.12207031,
        -0.10839844, -0.14160156,  0.03833008,  0.00549316, -0.03222656,
         0.13769531, -0.22265625,  0.02355957,  0.203125  , -0.10351562,
        -0.13769531, -0.12597656,  0.4453125 , -0.03710938, -0.04882812,
         0.02185059, -0.12597656,  0.09863281, -0.09960938,  0.15917969,
         0.11621094,  0.0559082 ,  0.16308594, -0.13867188,  0.09960938,
        -0.22558594,  0.01116943,  0.14648438, -0.0013504 , -0.01043701,
         0.23339844,  0.02062988,  0.0703125 ,  0.10058594,  0.23144531,
        -0.27734375, -0.20117188, -0.07666016, -0.06298828,  0.05078125,
         0.21484375,  0.01025391, -0.14550781,  0.08886719, -0.22460938,
        -0.31054688,  0.05932617,  0.04663086, -0.14355469, -0.10644531,
         0.00180817,  0.02697754,  0.13574219, -0.08056641,  0.1015625 ,
         0.13671875, -0.02978516,  0.08935547,  0.19824219,  0.40234375,
        -0.09228516,  0.14648438,  0.15820312, -0.18066406,  0.13867188,
         0.01733398, -0.01177979, -0.27539062, -0.09814453,  0.21582031,
        -0.07861328, -0.22558594,  0.17382812,  0.08984375, -0.1640625 ,
        -0.09814453, -0.08154297, -0.0145874 ,  0.05859375,  0.08056641,
        -0.02282715,  0.14648438, -0.22167969,  0.01879883, -0.21289062,
         0.19140625,  0.01348877, -0.15429688,  0.02233887,  0.01867676,
         0.12353516,  0.11914062, -0.00172424, -0.10107422,  0.02941895,
         0.03808594, -0.28320312,  0.05029297,  0.11572266,  0.09326172,
        -0.03271484, -0.03369141, -0.00349426, -0.03808594,  0.01904297,
        -0.125     ,  0.17382812,  0.02526855, -0.00448608,  0.0135498 ,
        -0.27148438, -0.30664062,  0.1796875 ,  0.02746582, -0.18554688,
        -0.01385498,  0.09960938,  0.14648438,  0.16113281,  0.30273438,
        -0.00288391, -0.07714844, -0.08544922,  0.30859375, -0.18457031,
         0.04199219,  0.13476562,  0.0246582 ,  0.05126953, -0.01794434,
         0.20800781, -0.03735352,  0.3515625 , -0.02990723, -0.16113281,
         0.21191406,  0.05126953,  0.00300598, -0.08837891, -0.23046875,
         0.14160156, -0.13769531, -0.02453613, -0.04833984, -0.0291748 ,
         0.02734375, -0.02856445, -0.00634766,  0.3984375 ,  0.06884766,
         0.09375   ,  0.04833984,  0.15234375, -0.01342773,  0.00384521,
        -0.20898438,  0.03930664, -0.10009766, -0.23925781,  0.01373291,
         0.09619141,  0.04370117,  0.02124023,  0.01306152,  0.3203125 ,
        -0.13671875,  0.078125  , -0.12402344,  0.00071716, -0.06201172,
         0.2578125 ,  0.04760742,  0.02575684,  0.15136719,  0.03466797,
         0.01623535,  0.1640625 ,  0.06933594,  0.29882812,  0.10546875,
        -0.12011719, -0.06591797, -0.01275635, -0.06201172,  0.27734375,
        -0.08740234,  0.12792969,  0.13671875,  0.12597656, -0.19824219,
        -0.17382812,  0.06884766,  0.07226562,  0.20507812,  0.10058594,
        -0.03662109,  0.16113281, -0.18457031,  0.04492188, -0.17089844,
        -0.21386719,  0.20214844,  0.34570312, -0.03930664,  0.11669922,
         0.00830078,  0.21386719,  0.01757812,  0.08105469,  0.07519531,
         0.05688477, -0.05786133, -0.328125  ,  0.01806641,  0.19335938,
```

```
        -0.19140625, -0.19433594,  0.18261719,  0.19726562,  0.12695312,
         0.05444336, -0.12402344, -0.18164062,  0.02819824, -0.11669922,
        -0.04150391,  0.19726562,  0.05688477,  0.02856445,  0.06835938,
        -0.15136719, -0.09521484, -0.14257812,  0.10107422,  0.13183594,
        -0.25390625, -0.13964844, -0.12792969,  0.05419922,  0.20800781],
       dtype=float32),
 'provided': array([-9.81445312e-02, -1.05957031e-01, -1.00585938e-01, -5.8
3496094e-02,
        -9.27734375e-02, -6.59179688e-02,  1.07910156e-01, -3.88183594e-02,
         9.61914062e-02,  1.36718750e-01, -2.42187500e-01, -4.05273438e-02,
        -1.17187500e-01,  1.27929688e-01,  5.44433594e-02,  2.12890625e-01,
         5.76171875e-02, -1.77734375e-01, -1.92382812e-01, -6.98242188e-02,
        -8.88671875e-02,  6.39648438e-02, -1.07421875e-01,  1.33789062e-01,
         2.46582031e-02, -1.54296875e-01, -1.48437500e-01, -2.52685547e-02,
        -1.74804688e-01,  1.98242188e-01, -1.40991211e-02, -4.70703125e-01,
        -1.30859375e-01,  1.04980469e-01, -8.91113281e-03,  8.34960938e-02,
        -1.47460938e-01, -1.02050781e-01, -7.32421875e-02, -1.86523438e-01,
         9.27734375e-02,  2.85156250e-01, -6.34765625e-02, -1.16699219e-01,
         2.06054688e-01, -2.85156250e-01, -1.07421875e-01,  6.46972656e-03,
         1.52343750e-01,  1.24023438e-01, -1.30859375e-01, -6.98242188e-02,
        -4.15039062e-02, -1.05468750e-01, -1.58691406e-02, -1.21459961e-02,
        -1.17675781e-01,  9.13085938e-02, -2.42919922e-02, -1.03027344e-01,
        -6.73828125e-02,  2.70996094e-02, -1.23535156e-01, -2.98828125e-01,
        -5.81054688e-02, -3.58886719e-02, -1.27929688e-01, -2.77099609e-02,
         1.04003906e-01, -4.78515625e-02,  9.70458984e-03, -1.39160156e-02,
        -3.03955078e-02, -9.37500000e-02,  9.61914062e-02,  8.59375000e-02,
         1.13769531e-01, -1.54418945e-02, -7.22656250e-02,  5.34667969e-02,
         1.55273438e-01, -4.61425781e-02,  3.66210938e-02,  1.04980469e-01,
        -5.61523438e-02, -4.22363281e-02, -1.23535156e-01, -1.32446289e-02,
        -7.71484375e-02, -1.43554688e-01,  1.40625000e-01,  1.25000000e-01,
         2.22656250e-01, -7.69042969e-03,  1.06445312e-01, -1.34765625e-01,
         7.03125000e-02,  2.96875000e-01,  2.13623047e-02,  4.61425781e-02,
         1.06445312e-01, -1.96533203e-02, -2.06054688e-01,  1.90429688e-01,
        -2.33398438e-01,  1.25976562e-01, -1.09863281e-01,  1.20605469e-01,
        -2.78320312e-02,  1.58203125e-01, -1.58203125e-01,  2.04101562e-01,
         1.23291016e-02,  5.02929688e-02, -4.95605469e-02,  6.34765625e-02,
         2.28515625e-01,  9.27734375e-02,  4.33593750e-01,  1.43554688e-01,
        -2.92968750e-02, -8.44726562e-02, -1.57470703e-02, -5.98144531e-02,
        -2.36816406e-02,  1.60156250e-01, -8.69140625e-02, -3.08593750e-01,
         4.44335938e-02,  5.27343750e-02,  8.42285156e-03,  3.58886719e-02,
        -8.00781250e-02,  5.02929688e-02, -1.54296875e-01, -1.86523438e-01,
         1.28906250e-01, -6.25000000e-02, -9.91210938e-02,  1.70898438e-01,
        -1.77001953e-02,  1.46484375e-01, -2.01171875e-01, -8.69140625e-02,
        -7.27539062e-02, -6.73828125e-02, -4.00390625e-02, -2.01171875e-01,
         3.27148438e-02,  1.39648438e-01,  1.26953125e-01,  7.42187500e-02,
        -1.61132812e-01, -1.68945312e-01, -1.57470703e-02, -2.42919922e-02,
         2.12402344e-02, -2.24609375e-01, -1.40625000e-01, -1.59912109e-02,
         9.57031250e-02,  6.49414062e-02, -1.38671875e-01,  1.73828125e-01,
        -8.00781250e-02, -2.23632812e-01,  8.36181641e-03,  7.81250000e-02,
         5.20019531e-02, -3.71093750e-01, -2.08984375e-01, -1.79687500e-01,
         2.25585938e-01, -8.54492188e-02,  1.36718750e-01, -5.51757812e-02,
         1.11816406e-01, -3.93066406e-02, -2.15820312e-01,  6.73828125e-02,
        -2.53906250e-01, -1.63085938e-01,  2.40478516e-02,  2.28271484e-02,
        -3.73046875e-01, -1.57226562e-01, -4.58984375e-02, -1.93359375e-01,
        -1.49414062e-01, -1.60217285e-03,  4.44335938e-02, -8.69140625e-02,
         2.57812500e-01, -1.84570312e-01, -7.32421875e-02,  8.10546875e-02,
        -2.09960938e-02, -2.83203125e-01,  1.61132812e-02, -2.57812500e-01,
         1.12304688e-01,  2.42187500e-01, -1.81640625e-01, -2.03857422e-02,
         3.90625000e-02,  5.24902344e-02,  1.37695312e-01,  1.35742188e-01,
         3.80859375e-02,  1.43432617e-02,  2.29492188e-02, -4.58984375e-02,
         5.76171875e-02,  6.78710938e-02,  1.89453125e-01,  5.41992188e-02,
         2.32421875e-01,  1.22070312e-01, -1.20117188e-01, -2.20947266e-02,
         1.51367188e-01, -1.30859375e-01,  2.92968750e-02, -8.54492188e-03,
        -8.98437500e-02,  2.51953125e-01, -1.00585938e-01,  5.68847656e-02,
```

```
        -3.55529785e-03, -7.08007812e-02,  2.83203125e-02,  3.95507812e-02,
         2.27539062e-01,  1.10839844e-01, -2.60009766e-02,  1.26953125e-01,
         3.28125000e-01,  4.27246094e-04,  1.67236328e-02, -1.38671875e-01,
         3.07617188e-02, -1.47705078e-02,  2.34375000e-02, -5.15136719e-02,
         1.25000000e-01,  1.21093750e-01,  1.41601562e-01,  5.93261719e-02,
        -9.58251953e-03, -1.80664062e-01,  4.80957031e-02,  1.83593750e-01,
        -1.10839844e-01,  1.90429688e-01,  5.24902344e-02,  1.12792969e-01,
        -1.42211914e-02, -1.49414062e-01, -2.46093750e-01,  6.00585938e-02,
        -1.29882812e-01, -1.15234375e-01,  4.37011719e-02, -5.88378906e-02,
        -1.33789062e-01,  1.66992188e-01,  1.67968750e-01, -1.11328125e-01,
         3.71093750e-02, -5.22460938e-02,  1.92382812e-01,  1.51367188e-02,
        -9.37500000e-02, -3.56445312e-02,  1.40625000e-01, -9.42382812e-02,
         7.42187500e-02, -1.98242188e-01,  9.81445312e-02,  5.61523438e-02,
        -2.25585938e-01,  8.74023438e-02,  5.93261719e-02,  7.86132812e-02,
        -7.74383545e-04, -8.83789062e-02,  2.36816406e-02,  1.17187500e-01,
         1.33056641e-02,  8.15429688e-02, -1.68945312e-01, -1.04980469e-01,
         1.41601562e-01, -6.34765625e-03, -6.64062500e-02,  4.85839844e-02,
         2.10937500e-01, -2.12890625e-01, -9.32617188e-02, -2.13867188e-0
1],
       dtype=float32),
 'according': array([ 5.54199219e-02, -1.96289062e-01, -6.83593750e-02, -2.
39257812e-01,
         4.78515625e-02, -2.06298828e-02,  2.40234375e-01, -1.31835938e-01,
         2.09960938e-01, -1.03027344e-01, -1.91406250e-01, -9.27734375e-02,
        -1.02539062e-02,  2.13867188e-01, -3.33984375e-01,  5.29785156e-02,
        -7.65991211e-03,  6.25000000e-02, -1.76757812e-01,  2.05078125e-02,
        -1.11816406e-01, -6.29882812e-02, -1.81640625e-01, -6.00585938e-02,
         7.81250000e-02, -3.21960449e-03, -3.49121094e-02,  1.67968750e-01,
        -2.94921875e-01,  3.17382812e-02,  1.90429688e-02, -1.02539062e-01,
        -8.10546875e-02,  1.64062500e-01, -1.55273438e-01,  1.58691406e-02,
        -1.86523438e-01, -1.66015625e-01, -1.51367188e-01, -1.53198242e-02,
         7.59887695e-03, -2.85156250e-01, -1.49414062e-01, -2.75878906e-02,
         2.44140625e-02, -1.42578125e-01,  6.44683838e-04,  9.76562500e-02,
         6.83593750e-02,  2.81250000e-01,  7.61718750e-02, -3.29589844e-02,
        -4.00543213e-04, -2.81250000e-01, -4.56542969e-02,  2.45117188e-01,
        -2.05078125e-01, -9.71679688e-02,  1.14746094e-02,  9.76562500e-02,
        -1.45507812e-01, -2.94189453e-02, -1.63085938e-01, -1.21459961e-02,
         1.23291016e-02,  1.21582031e-01, -3.03955078e-02,  1.36718750e-01,
         2.92968750e-02,  3.14941406e-02, -8.69140625e-02,  6.93359375e-02,
         1.84570312e-01,  9.08203125e-02,  5.90820312e-02,  1.48437500e-01,
        -1.44195557e-03,  2.35351562e-01,  1.53320312e-01, -1.55029297e-02,
         2.42614746e-03, -1.59179688e-01,  7.47070312e-02,  5.00000000e-01,
        -2.55859375e-01,  2.17285156e-02, -1.62109375e-01,  9.32617188e-02,
        -1.77734375e-01, -1.64062500e-01,  2.59765625e-01, -7.47070312e-02,
         4.44335938e-02, -2.09960938e-01,  6.12792969e-02, -4.80957031e-02,
         5.41992188e-02,  8.30078125e-02, -4.51660156e-02, -9.42382812e-02,
         2.31445312e-01, -1.61132812e-01, -6.54296875e-02,  6.31713867e-03,
         1.91406250e-01, -2.50244141e-03, -1.74804688e-01, -1.38549805e-02,
        -1.87500000e-01, -7.91015625e-02, -1.11083984e-02, -9.71679688e-02,
         1.64794922e-02, -1.39648438e-01, -1.95312500e-01,  1.30004883e-02,
         1.70898438e-02,  2.06054688e-01,  6.93359375e-02,  2.23632812e-01,
        -3.67187500e-01,  1.47460938e-01, -8.88671875e-02,  5.73730469e-02,
         8.78906250e-02, -1.09863281e-01, -4.80957031e-02, -1.43554688e-01,
        -5.15136719e-02,  1.52343750e-01, -2.88085938e-02, -2.43164062e-01,
         5.63964844e-02,  7.42187500e-02, -8.54492188e-02, -1.25976562e-01,
        -7.37304688e-02, -7.42187500e-02, -4.73632812e-02, -7.27539062e-02,
        -3.85284424e-04,  6.12792969e-02, -2.31445312e-01,  9.37500000e-02,
        -6.12792969e-02,  1.25976562e-01,  8.54492188e-02, -2.19726562e-01,
         2.28515625e-01,  1.14746094e-01,  1.45507812e-01, -2.80761719e-02,
         5.59082031e-02,  9.91210938e-02,  1.60156250e-01, -1.87500000e-01,
        -3.63769531e-02,  2.47802734e-02, -1.43554688e-01,  8.23974609e-03,
         1.16210938e-01,  5.85937500e-02, -1.23535156e-01,  5.66406250e-02,
         5.15136719e-02, -2.50244141e-02,  1.41601562e-01,  1.87988281e-02,
         5.90820312e-02, -1.65039062e-01, -5.95703125e-02, -1.50390625e-01,
```

```
         5.34667969e-02,  5.02929688e-02, -2.53906250e-01, -5.76171875e-02,
         4.46777344e-02,  1.61132812e-02,  6.34765625e-02,  8.44726562e-02,
         1.77001953e-02, -1.41601562e-01, -1.15722656e-01,  2.42919922e-02,
        -3.97949219e-02,  1.14746094e-01, -2.07031250e-01,  2.53906250e-01,
         1.84570312e-01,  1.56250000e-01,  1.28906250e-01, -1.46484375e-01,
        -1.43554688e-01, -6.74438477e-03, -1.35742188e-01,  9.52148438e-02,
         5.58471680e-03,  3.29589844e-02, -1.73828125e-01, -6.39648438e-02,
        -4.42504883e-03, -9.27734375e-02, -6.34765625e-02,  7.51953125e-02,
        -1.14257812e-01,  1.83593750e-01,  1.11328125e-01,  1.16699219e-01,
        -9.32617188e-02,  1.67846680e-03,  8.23974609e-03, -7.76367188e-02,
        -4.54101562e-02, -9.22851562e-02, -1.21093750e-01, -1.25976562e-01,
         1.77734375e-01,  1.74804688e-01,  4.56542969e-02,  2.33398438e-01,
         8.74023438e-02, -1.85546875e-01,  3.17382812e-02, -1.22070312e-01,
         1.09375000e-01, -1.74804688e-01,  1.25122070e-02,  2.57812500e-01,
         8.00781250e-02, -1.99218750e-01,  3.86047363e-03, -1.27929688e-01,
         5.10253906e-02, -8.44726562e-02,  7.65991211e-03, -8.23974609e-03,
         8.48388672e-03, -2.18750000e-01,  9.03320312e-03, -3.07617188e-02,
         5.22460938e-02,  3.01513672e-02, -6.01196289e-03, -1.28906250e-01,
         1.92382812e-01,  1.20605469e-01,  1.74560547e-02,  1.80664062e-02,
         1.08886719e-01, -8.64257812e-02,  6.20117188e-02, -4.66308594e-02,
        -2.79296875e-01, -2.06298828e-02,  1.29882812e-01, -1.79687500e-01,
        -1.40625000e-01, -1.62109375e-01,  6.00585938e-02, -4.07714844e-02,
         1.25122070e-02, -8.25195312e-02,  1.88476562e-01,  1.19140625e-01,
         1.90429688e-01,  2.55859375e-01, -8.88671875e-02,  2.83813477e-03,
         1.91406250e-01,  6.03027344e-02,  1.41601562e-01, -2.31445312e-01,
        -5.81054688e-02, -5.15136719e-02, -8.20312500e-02, -2.61718750e-01,
        -1.41601562e-01, -2.63671875e-02,  5.43212891e-03, -1.13281250e-01,
        -2.37304688e-01,  1.57226562e-01, -1.78710938e-01,  9.47265625e-02,
         1.08398438e-01,  6.93359375e-02, -3.95507812e-02, -2.29492188e-02,
         2.58789062e-02, -5.12695312e-03, -7.51953125e-02, -3.22265625e-01,
        -2.07519531e-02,  2.01171875e-01,  1.15234375e-01, -6.25000000e-02,
        -6.88476562e-02,  4.73632812e-02,  6.25000000e-02,  1.41601562e-0
1],
       dtype=float32),
 'ethical': array([-0.05883789, -0.00610352, -0.09912109,  0.14160156, -0.1
25     ,
         -0.12890625,  0.19726562,  0.24414062,  0.00933838,  0.1875    ,
         -0.12207031,  0.0546875 ,  0.28710938, -0.05200195, -0.39257812,
          0.26171875,  0.05786133,  0.203125  , -0.1875    , -0.02038574,
          0.27734375, -0.46875   ,  0.13964844,  0.3359375 , -0.08300781,
         -0.08203125, -0.10595703,  0.17578125,  0.1875    , -0.31054688,
          0.17871094, -0.16796875,  0.07177734, -0.1484375 ,  0.12255859,
         -0.06542969, -0.02490234,  0.17285156,  0.37695312, -0.49609375,
          0.12988281,  0.10888672, -0.52734375, -0.27929688, -0.29101562,
          0.21777344, -0.03955078,  0.08251953, -0.07958984,  0.09619141,
          0.06542969,  0.30078125, -0.234375  , -0.08642578,  0.18164062,
          0.34179688,  0.09277344, -0.3125    ,  0.12304688, -0.2109375 ,
         -0.10546875,  0.00527954,  0.16992188,  0.19726562, -0.0279541 ,
          0.06494141, -0.0612793 ,  0.10449219,  0.11328125,  0.06396484,
          0.07128906, -0.08056641,  0.09130859, -0.2578125 ,  0.02294922,
         -0.21777344, -0.06347656,  0.03112793, -0.09814453, -0.0100708 ,
         -0.4140625 ,  0.11865234, -0.09033203,  0.02990723, -0.19238281,
         -0.171875  ,  0.12890625,  0.13574219, -0.12109375,  0.15527344,
          0.22753906,  0.10351562, -0.13574219,  0.06591797,  0.10742188,
         -0.2734375 ,  0.19238281,  0.10839844,  0.3984375 , -0.12792969,
          0.11669922,  0.03710938, -0.02380371,  0.0324707 ,  0.29296875,
         -0.30078125,  0.04223633, -0.05249023,  0.04052734, -0.28515625,
         -0.2890625 ,  0.00628662, -0.2734375 ,  0.34570312,  0.08203125,
         -0.07470703,  0.06494141,  0.08398438,  0.09082031,  0.3046875 ,
         -0.20703125, -0.20800781,  0.00488281,  0.07177734, -0.03051758,
          0.02758789,  0.11962891,  0.15429688,  0.10595703,  0.04370117,
         -0.42773438, -0.41210938, -0.22753906,  0.17871094,  0.3125    ,
         -0.02099609,  0.03027344,  0.1875    ,  0.3046875 , -0.203125  ,
         -0.06835938,  0.07519531, -0.15917969,  0.20703125, -0.26367188,
```

```
         0.05615234,  0.15332031, -0.15332031,  0.2265625 , -0.13476562,
        -0.17578125, -0.17871094, -0.24511719, -0.12988281,  0.04125977,
        -0.21386719, -0.07861328, -0.09228516,  0.11962891, -0.01745605,
        -0.13378906, -0.03112793,  0.22167969,  0.18261719, -0.05078125,
         0.15722656, -0.09472656, -0.27734375, -0.1953125 ,  0.16308594,
        -0.11669922, -0.05004883, -0.07519531, -0.05175781,  0.08935547,
        -0.3203125 ,  0.10742188,  0.18457031, -0.05688477,  0.06591797,
        -0.22460938,  0.02282715, -0.06152344, -0.15917969,  0.21972656,
        -0.08691406, -0.18457031,  0.02380371, -0.11035156,  0.10058594,
        -0.36914062,  0.2421875 ,  0.18652344, -0.00386047, -0.03344727,
        -0.00231934, -0.09375   , -0.25      ,  0.04785156, -0.20117188,
         0.0189209 ,  0.28320312,  0.02038574, -0.08447266,  0.05102539,
         0.01208496, -0.08203125, -0.08691406,  0.04663086, -0.42773438,
        -0.3984375 , -0.0246582 ,  0.12402344,  0.20214844, -0.04785156,
         0.0625    ,  0.03466797,  0.11328125,  0.04003906,  0.04150391,
        -0.24316406,  0.08203125,  0.06835938,  0.13574219,  0.20605469,
        -0.24414062,  0.23828125, -0.08984375,  0.16015625, -0.13769531,
        -0.00909424,  0.05053711,  0.06738281, -0.03540039,  0.10400391,
         0.03417969,  0.359375  ,  0.23144531,  0.02526855, -0.09716797,
         0.14160156, -0.31835938, -0.02600098,  0.0703125 , -0.24316406,
        -0.0534668 ,  0.0300293 ,  0.06298828, -0.23046875, -0.20703125,
        -0.28515625, -0.05444336,  0.09423828, -0.02624512,  0.01977539,
        -0.24121094,  0.18066406,  0.265625  ,  0.40234375,  0.09570312,
         0.12988281, -0.2578125 ,  0.22363281,  0.17285156,  0.11181641,
         0.24023438, -0.11572266, -0.01586914, -0.30859375, -0.10302734,
         0.12988281, -0.17285156,  0.10351562, -0.04882812, -0.16113281,
        -0.20605469, -0.21582031, -0.265625  , -0.171875  ,  0.3515625 ,
        -0.03112793, -0.15820312,  0.07177734,  0.1171875 ,  0.05761719,
         0.26367188, -0.04663086, -0.01361084,  0.24121094,  0.29296875,
        -0.12304688, -0.24023438, -0.578125  ,  0.125     , -0.20019531,
         0.2734375 ,  0.21972656, -0.1484375 ,  0.00738525,  0.25195312],
       dtype=float32),
 'standard': array([-0.10302734,  0.07861328,  0.12158203,  0.26367188, -0.
03063965,
         0.17871094,  0.12695312, -0.02648926,  0.07763672,  0.1953125 ,
        -0.09570312, -0.16210938,  0.19921875, -0.24316406, -0.1484375 ,
         0.2109375 ,  0.15722656, -0.10400391, -0.1875    , -0.18359375,
        -0.06445312,  0.12255859, -0.2109375 ,  0.06933594, -0.07763672,
         0.09375   , -0.10888672,  0.22558594,  0.09033203,  0.05688477,
        -0.00805664, -0.1640625 ,  0.07226562, -0.24707031, -0.11328125,
        -0.18847656, -0.00198364,  0.0390625 ,  0.04223633, -0.30078125,
         0.38671875,  0.01660156, -0.11083984, -0.1328125 ,  0.08056641,
        -0.04199219, -0.05932617,  0.17773438,  0.19140625, -0.08105469,
         0.19726562, -0.03466797, -0.15234375, -0.23144531,  0.23339844,
         0.08056641, -0.00427246, -0.24511719,  0.06787109, -0.06396484,
         0.01495361,  0.01324463, -0.17480469,  0.02148438,  0.2578125 ,
        -0.15039062, -0.09814453,  0.11083984, -0.11572266,  0.06787109,
        -0.10351562, -0.05957031,  0.09326172, -0.06445312, -0.38671875,
        -0.26757812,  0.01782227, -0.01928711,  0.23828125,  0.04760742,
         0.11279297, -0.01031494, -0.24414062,  0.203125  , -0.08105469,
         0.11816406, -0.09228516, -0.02954102,  0.02697754,  0.08398438,
         0.17773438, -0.0135498 ,  0.14355469,  0.03515625,  0.11621094,
         0.03271484, -0.03833008, -0.14746094,  0.07568359, -0.08935547,
        -0.02294922, -0.10253906, -0.14941406, -0.10986328, -0.15722656,
        -0.01165771, -0.0291748 , -0.06005859,  0.03857422, -0.09228516,
         0.11376953,  0.26757812, -0.22460938,  0.2734375 ,  0.11376953,
         0.22753906,  0.10302734,  0.10791016,  0.00315857,  0.01477051,
        -0.09814453, -0.0625    , -0.16601562,  0.0222168 ,  0.25195312,
         0.06201172,  0.09863281,  0.19042969,  0.12695312,  0.05078125,
         0.09619141,  0.0859375 , -0.04345703, -0.01226807, -0.01074219,
         0.17773438, -0.04833984,  0.08984375, -0.04296875, -0.10009766,
        -0.04663086,  0.09472656,  0.24511719,  0.07128906,  0.07275391,
        -0.12353516, -0.15527344, -0.01428223,  0.14453125, -0.04077148,
         0.00927734,  0.05664062, -0.1875    , -0.13574219, -0.05322266,
```

```
        -0.15332031, -0.19140625,  0.12255859, -0.0625    , -0.02392578,
        -0.18945312,  0.12597656,  0.10839844, -0.00357056, -0.24707031,
         0.04223633, -0.06005859, -0.21972656, -0.08789062, -0.03393555,
        -0.11474609, -0.12890625, -0.0625    ,  0.06201172,  0.06494141,
        -0.14746094,  0.07275391, -0.46679688, -0.21875   ,  0.1875    ,
        -0.21582031,  0.06103516, -0.20214844,  0.12109375,  0.13378906,
         0.04663086, -0.02490234, -0.24707031,  0.05981445,  0.09423828,
         0.01831055, -0.07226562, -0.0480957 , -0.09375   , -0.06689453,
        -0.01953125,  0.12207031, -0.06640625, -0.22070312, -0.16992188,
         0.00927734,  0.19824219, -0.02246094,  0.17578125, -0.14160156,
        -0.00598145, -0.00476074, -0.00909424,  0.06103516, -0.16210938,
         0.10791016,  0.10107422,  0.1953125 ,  0.05761719, -0.10986328,
        -0.04760742,  0.22070312,  0.26171875, -0.19042969,  0.05371094,
        -0.09716797,  0.09863281,  0.18554688,  0.06933594, -0.09521484,
        -0.0168457 ,  0.06201172, -0.06347656,  0.13867188, -0.05688477,
        -0.2578125 , -0.14160156,  0.19628906,  0.07470703, -0.12695312,
         0.10644531, -0.00497437,  0.13085938,  0.234375  ,  0.04833984,
        -0.16992188, -0.171875  ,  0.18261719,  0.02368164, -0.08447266,
         0.02819824, -0.02539062,  0.31445312, -0.06738281, -0.21484375,
         0.13085938,  0.203125  , -0.03125   , -0.06103516, -0.04833984,
         0.04394531, -0.34570312, -0.00964355,  0.20117188,  0.05175781,
         0.28320312, -0.13867188,  0.0703125 , -0.0480957 ,  0.32226562,
        -0.0390625 ,  0.16308594, -0.23730469, -0.10498047, -0.08154297,
         0.05761719,  0.15820312, -0.05908203,  0.09326172, -0.1875    ,
        -0.05615234,  0.05444336, -0.23632812, -0.203125  ,  0.01708984,
         0.09423828,  0.11474609,  0.09179688, -0.10009766, -0.1015625 ,
         0.0067749 ,  0.2109375 , -0.3515625 ,  0.09082031,  0.17675781,
         0.09033203, -0.09570312, -0.24121094,  0.13378906,  0.09814453,
         0.06640625,  0.00085449, -0.07470703, -0.06738281,  0.10351562],
       dtype=float32),
 'multidisciplinary': array([-5.54687500e-01, -1.81884766e-02,  2.73437500e
-01,  2.13867188e-01,
        -6.15234375e-02,  1.56250000e-01, -2.22167969e-02, -3.24218750e-01,
         1.30004883e-02, -5.82031250e-01,  8.54492188e-03,  4.24804688e-02,
         3.20312500e-01,  1.19140625e-01, -1.89453125e-01, -5.20019531e-02,
        -3.04687500e-01,  1.84326172e-02,  6.34765625e-02,  7.71484375e-02,
        -8.69140625e-02,  6.83593750e-02,  1.40625000e-01,  1.16210938e-01,
        -3.37890625e-01, -1.82617188e-01,  1.25000000e-01, -5.63964844e-02,
        -2.50000000e-01, -2.15820312e-01, -7.37304688e-02,  1.01562500e-01,
        -1.86767578e-02, -2.32421875e-01,  1.24511719e-01, -2.42187500e-01,
        -1.62109375e-01, -7.12890625e-02,  1.37695312e-01, -2.49023438e-01,
        -3.68652344e-02,  1.85546875e-01, -3.41796875e-01,  2.50000000e-01,
        -1.62109375e-01, -3.30078125e-01, -2.30468750e-01, -1.42578125e-01,
         2.19726562e-01,  2.23632812e-01, -5.41992188e-02, -3.44238281e-02,
        -3.84765625e-01,  1.13281250e-01,  2.06298828e-02,  9.61914062e-02,
         2.28515625e-01, -2.87109375e-01, -7.76367188e-02, -1.77734375e-01,
        -1.72851562e-01,  1.50756836e-02,  2.04101562e-01, -1.60156250e-01,
         8.83789062e-02, -6.54296875e-02, -3.38745117e-03,  3.08593750e-01,
         1.23596191e-03, -9.52148438e-02, -1.86523438e-01, -3.28125000e-01,
         3.20312500e-01, -6.00585938e-02, -1.28906250e-01,  4.27246094e-02,
         1.93359375e-01, -8.20312500e-02, -1.97265625e-01,  2.05078125e-02,
        -3.57421875e-01, -2.08007812e-01, -7.17773438e-02, -1.76757812e-01,
        -5.56640625e-02, -1.48437500e-01, -2.75390625e-01,  1.73828125e-01,
        -6.44531250e-02,  1.27929688e-01,  2.69531250e-01, -4.06250000e-01,
        -2.21679688e-01,  2.48046875e-01,  1.61132812e-01,  1.66015625e-01,
         2.03125000e-01, -1.84570312e-01,  2.36816406e-02, -1.88476562e-01,
         2.46093750e-01, -2.06054688e-01, -2.92968750e-01,  3.60488892e-04,
         1.10351562e-01,  9.08203125e-02,  8.30078125e-02, -2.98828125e-01,
         1.85546875e-01, -1.35742188e-01, -9.47265625e-02,  4.57763672e-03,
        -4.00390625e-02,  2.69531250e-01,  4.35546875e-01,  1.81640625e-01,
        -2.22656250e-01, -2.65625000e-01,  2.08984375e-01,  4.46777344e-02,
        -3.37890625e-01, -4.04296875e-01, -1.96289062e-01,  4.06250000e-01,
        -1.63085938e-01,  4.54101562e-02, -1.75781250e-01,  3.00781250e-01,
        -9.71679688e-02,  3.18359375e-01, -4.66308594e-02, -1.22558594e-01,
```

```
         4.15039062e-02, -3.93066406e-02, -2.16796875e-01, -2.49023438e-02,
         1.20239258e-02, -1.26953125e-01,  1.18164062e-01,  1.73828125e-01,
         1.62109375e-01,  1.33789062e-01, -9.57031250e-02, -1.41601562e-01,
        -1.62109375e-01, -1.37329102e-02, -1.83593750e-01,  2.35351562e-01,
         2.08007812e-01, -1.93359375e-01,  2.92968750e-01, -8.20312500e-02,
        -1.81640625e-01,  2.81250000e-01,  5.54687500e-01, -1.57226562e-01,
         4.51171875e-01,  1.14257812e-01,  1.64062500e-01, -1.89453125e-01,
        -3.17382812e-02,  2.17773438e-01, -8.74023438e-02, -3.06396484e-02,
         3.28125000e-01,  2.26562500e-01,  2.98828125e-01, -4.51171875e-01,
        -4.92187500e-01, -2.06054688e-01,  1.60156250e-01, -2.08007812e-01,
         7.61718750e-02,  8.64257812e-02,  1.77734375e-01, -1.34765625e-01,
        -2.80761719e-02,  7.42187500e-02, -1.86523438e-01, -1.02539062e-01,
        -7.91015625e-02,  1.07910156e-01,  4.41894531e-02, -7.81250000e-02,
        -3.06640625e-01,  2.51953125e-01,  1.82617188e-01, -1.51367188e-01,
        -1.32812500e-01, -1.55639648e-02, -3.12500000e-02, -3.12500000e-01,
         2.05078125e-01, -2.74658203e-02, -2.26562500e-01, -3.69140625e-01,
         1.84570312e-01, -1.12792969e-01, -4.93164062e-02, -2.67578125e-01,
        -1.42578125e-01,  3.12500000e-01, -9.17968750e-02,  1.17492676e-03,
        -2.40234375e-01, -1.64062500e-01,  4.39453125e-03, -1.94335938e-01,
         3.20312500e-01, -3.90625000e-01, -8.20312500e-02, -3.49609375e-01,
         1.41601562e-01, -1.42578125e-01, -8.54492188e-02, -2.19726562e-01,
        -4.78515625e-02, -3.63769531e-02, -4.76074219e-02,  1.40991211e-02,
        -1.81640625e-01, -1.05590820e-02,  6.07910156e-02,  1.66992188e-01,
        -2.55859375e-01, -2.20703125e-01,  2.37304688e-01, -2.35351562e-01,
        -2.55859375e-01,  1.24511719e-01, -3.98437500e-01, -1.36108398e-02,
        -2.17773438e-01, -3.63769531e-02, -4.10156250e-01, -3.61328125e-02,
        -1.49414062e-01,  1.11328125e-01,  1.42822266e-02,  6.88476562e-02,
         3.97949219e-02, -1.64062500e-01, -2.11914062e-01,  7.17773438e-02,
        -7.66601562e-02,  2.15820312e-01,  5.54199219e-02,  8.20312500e-02,
        -1.73828125e-01, -2.48046875e-01,  6.73828125e-02, -1.91406250e-01,
         5.18798828e-03,  2.74658203e-02,  2.10937500e-01,  9.09423828e-03,
        -3.14453125e-01, -1.99218750e-01, -2.07031250e-01,  1.17675781e-01,
         9.13085938e-02, -1.25976562e-01, -2.35351562e-01, -1.35742188e-01,
         6.73828125e-02,  7.42187500e-02,  2.54821777e-03, -1.89453125e-01,
        -7.26562500e-01,  4.71191406e-02, -6.83593750e-02, -2.17285156e-02,
        -6.83593750e-02, -1.49414062e-01,  5.58593750e-01, -4.73632812e-02,
        -2.19726562e-01,  1.44531250e-01,  8.54492188e-02,  1.71875000e-01,
        -1.39648438e-01, -1.43554688e-01, -1.48437500e-01,  1.66015625e-01,
        -1.81884766e-02,  3.06396484e-02, -1.25000000e-01, -8.78906250e-02,
         2.83203125e-01,  3.06396484e-02, -3.10546875e-01, -6.34765625e-02,
        -2.38037109e-02,  6.36718750e-01, -4.15039062e-02,  2.44140625e-01,
         3.06396484e-02, -2.09960938e-01,  2.15820312e-01, -3.51562500e-0
2],
       dtype=float32),
 'pertaining': array([-1.20117188e-01,  8.78906250e-02,  1.71875000e-01, -
1.91406250e-01,
         1.54113770e-03, -6.83593750e-02,  1.76757812e-01,  9.81445312e-02,
        -6.24656677e-05, -2.45361328e-02, -1.38671875e-01, -1.48437500e-01,
        -3.08593750e-01,  1.67968750e-01, -6.05468750e-02, -6.93359375e-02,
         2.44140625e-01,  5.56640625e-02, -1.04003906e-01,  1.38671875e-01,
        -6.20117188e-02, -1.13769531e-01, -1.50390625e-01,  1.96289062e-01,
        -1.70898438e-01,  2.62451172e-02, -1.06445312e-01,  1.82617188e-01,
        -1.34765625e-01,  3.78417969e-02,  6.19888306e-05, -2.55859375e-01,
         2.77099609e-02,  3.33984375e-01, -2.69531250e-01,  3.66210938e-02,
         1.13769531e-01, -2.16796875e-01,  2.46093750e-01, -1.42578125e-01,
        -1.34765625e-01,  1.07910156e-01, -1.01562500e-01,  1.56250000e-01,
        -1.18164062e-01, -2.42187500e-01,  1.58691406e-03, -1.18164062e-01,
         3.41796875e-02, -1.12304688e-01, -2.90527344e-02, -1.07421875e-01,
        -1.20849609e-02, -7.51953125e-02, -1.97265625e-01,  2.59765625e-01,
        -5.20019531e-02, -1.37695312e-01,  3.10546875e-01, -2.22656250e-01,
         6.93359375e-02, -1.72851562e-01,  1.75781250e-01, -8.00781250e-02,
        -6.31713867e-03,  8.10546875e-02, -1.13281250e-01,  1.13769531e-01,
        -5.83496094e-02, -1.42578125e-01,  5.39550781e-02, -1.80664062e-01,
         1.67968750e-01,  3.36914062e-02, -6.07910156e-02, -1.04980469e-01,
```

```
         1.16210938e-01,  9.66796875e-02, -7.91015625e-02,  2.67578125e-01,
        -1.58203125e-01, -3.34472656e-02, -3.03955078e-02, -3.99780273e-03,
         1.03027344e-01, -2.25585938e-01, -2.69531250e-01,  1.13525391e-02,
        -2.22656250e-01,  2.37304688e-01,  2.41210938e-01, -6.03027344e-02,
         1.77734375e-01,  5.24902344e-02, -3.21960449e-03, -2.14843750e-02,
         2.09960938e-01, -1.04492188e-01,  1.09863281e-01,  2.24609375e-01,
         8.25195312e-02,  5.64575195e-03,  4.63867188e-02, -1.41601562e-01,
        -4.56542969e-02, -3.37890625e-01, -2.28515625e-01, -6.64062500e-02,
         2.37464905e-04,  1.20849609e-02, -2.02941895e-03, -8.91113281e-03,
        -7.71484375e-02,  9.39941406e-03,  9.42382812e-02,  1.70898438e-01,
         6.88476562e-02, -5.66406250e-02,  3.53515625e-01,  2.36328125e-01,
        -1.59912109e-02,  3.68652344e-02, -8.44726562e-02, -1.36718750e-01,
        -1.11328125e-01,  9.71679688e-02, -7.78198242e-03, -1.21582031e-01,
        -3.14941406e-02,  1.32446289e-02, -8.83789062e-02, -1.71875000e-01,
        -1.65039062e-01,  3.46679688e-02, -3.93676758e-03, -3.14941406e-02,
         4.44335938e-02, -1.23535156e-01,  7.87353516e-03, -6.34765625e-02,
         3.30078125e-01,  1.89453125e-01,  8.05664062e-02,  2.27539062e-01,
        -1.38671875e-01, -6.20117188e-02, -9.03320312e-02, -5.20019531e-02,
        -2.19726562e-01,  3.22265625e-01,  2.32421875e-01,  9.76562500e-02,
        -1.88476562e-01, -6.39648438e-02, -2.49023438e-01, -1.22070312e-01,
         2.77099609e-02,  3.71093750e-02,  2.25585938e-01,  6.98242188e-02,
         1.49414062e-01, -1.04003906e-01, -2.18505859e-02, -7.08007812e-02,
        -8.44726562e-02,  2.53906250e-01, -1.83593750e-01,  9.61914062e-02,
        -3.12500000e-02, -1.78710938e-01, -2.78320312e-02, -7.22656250e-02,
         5.02929688e-02, -1.95312500e-01,  2.14843750e-01, -1.31835938e-01,
         3.90625000e-02, -1.18164062e-01, -8.78906250e-02, -1.07910156e-01,
        -8.88671875e-02,  1.16699219e-01, -5.41992188e-02, -1.29882812e-01,
        -1.04980469e-01,  1.48437500e-01, -1.83593750e-01,  5.07812500e-02,
         8.98437500e-02,  3.20312500e-01,  3.39355469e-02,  5.29785156e-02,
        -6.12792969e-02,  1.47460938e-01,  1.34765625e-01,  5.54199219e-02,
         5.92041016e-03, -6.83593750e-02,  1.85546875e-01,  1.39770508e-02,
         2.58789062e-02,  5.41992188e-02, -2.33398438e-01, -1.66015625e-01,
        -7.37304688e-02, -3.45706940e-06,  8.54492188e-03, -8.93554688e-02,
         2.09960938e-01,  1.81640625e-01,  1.36718750e-01, -1.04003906e-01,
         9.15527344e-03,  2.70996094e-02,  1.62109375e-01,  1.81640625e-01,
         1.75781250e-01,  1.56250000e-01, -1.67968750e-01, -2.14843750e-01,
        -1.94335938e-01,  7.37304688e-02, -1.84570312e-01, -2.08984375e-01,
         1.41601562e-01, -1.86523438e-01,  9.13085938e-02, -9.81445312e-02,
         7.42187500e-02, -3.27148438e-02,  1.56250000e-01,  1.65039062e-01,
        -2.28515625e-01,  5.05371094e-02, -2.53295898e-03, -1.00097656e-01,
         3.26171875e-01, -1.46484375e-01,  6.22558594e-02, -1.51367188e-02,
         1.58691406e-02,  8.83789062e-02,  5.39550781e-02,  1.28906250e-01,
        -1.28906250e-01, -6.59179688e-02, -2.63671875e-01,  1.03515625e-01,
        -7.86132812e-02,  9.42382812e-02,  2.00195312e-01,  3.80859375e-01,
        -4.54101562e-02, -4.97436523e-03,  1.53320312e-01, -1.55273438e-01,
        -8.66699219e-03, -5.34667969e-02,  7.42187500e-02, -1.71875000e-01,
        -6.29882812e-02,  3.66210938e-02, -8.54492188e-02, -1.31835938e-01,
         8.49609375e-02,  2.77343750e-01,  6.05468750e-02,  4.63867188e-02,
         5.20019531e-02, -2.17773438e-01,  4.29687500e-02,  2.17437744e-04,
         1.69921875e-01,  1.20117188e-01,  9.76562500e-02, -1.21582031e-01,
         6.37817383e-03, -2.96875000e-01, -3.08593750e-01, -1.36718750e-01,
        -2.58789062e-02, -2.35595703e-02,  6.39648438e-02,  3.12500000e-01,
         2.06298828e-02,  2.10937500e-01, -1.23535156e-01,  1.19628906e-01,
         8.15429688e-02,  2.65502930e-03, -7.12890625e-02, -1.46484375e-01,
         2.01171875e-01, -7.32421875e-02,  2.10937500e-01, -1.74804688e-01,
        -1.68945312e-01, -1.38671875e-01, -1.27929688e-01,  4.85229492e-0
3],
       dtype=float32),
 'comply': array([-2.63671875e-01, -1.42578125e-01,  3.08593750e-01, -2.480
46875e-01,
        -8.17871094e-03,  5.27343750e-02, -1.20605469e-01,  1.81640625e-01,
         8.69140625e-02,  7.32421875e-02, -2.61718750e-01, -1.64062500e-01,
        -1.63085938e-01,  3.02734375e-01, -4.39453125e-01,  3.29589844e-02,
         1.25732422e-02, -2.75390625e-01, -2.44140625e-02, -7.61718750e-02,
```

```
 1.84570312e-01,  1.28173828e-03,  1.04492188e-01,  3.12500000e-01,
 4.06250000e-01,  1.49414062e-01, -1.93359375e-01, -1.17187500e-01,
 2.45117188e-01, -3.43750000e-01,  5.66406250e-02, -1.01074219e-01,
-1.81640625e-01, -1.43432617e-02, -8.10546875e-02, -3.41796875e-01,
 2.83203125e-01,  1.97265625e-01,  1.77734375e-01,  3.32031250e-01,
 8.30078125e-02,  5.44433594e-02, -1.51367188e-01, -6.95800781e-03,
-1.00708008e-02, -1.60156250e-01, -1.91650391e-02, -1.08886719e-01,
-4.00390625e-01, -7.08007812e-02, -2.33398438e-01, -1.66015625e-02,
-3.51562500e-02, -4.25781250e-01, -2.96875000e-01,  3.68652344e-02,
 7.47070312e-02, -2.75390625e-01, -1.61132812e-02, -2.37304688e-01,
-1.22070312e-03, -2.02148438e-01, -1.67968750e-01,  2.85156250e-01,
-1.96289062e-01,  5.76171875e-02,  4.76074219e-03,  9.46044922e-03,
-3.99780273e-03,  1.91650391e-02,  1.64062500e-01, -1.14746094e-01,
 2.22656250e-01,  1.14257812e-01,  8.30078125e-02,  2.77099609e-02,
 8.88671875e-02, -1.81640625e-01,  1.74804688e-01,  1.36718750e-01,
-1.85546875e-01,  1.10839844e-01, -2.10937500e-01,  6.07910156e-02,
-1.07421875e-01,  2.36328125e-01, -1.77734375e-01,  8.69140625e-02,
 8.15429688e-02, -3.68118286e-04,  1.36718750e-01, -2.44140625e-01,
 2.87109375e-01, -2.48046875e-01,  1.86523438e-01, -3.04687500e-01,
-7.47070312e-02,  4.66918945e-03, -8.42285156e-03,  4.57763672e-04,
 8.59375000e-02,  1.93359375e-01, -2.60009766e-02,  8.10546875e-02,
-1.34765625e-01, -4.29687500e-01,  1.07910156e-01,  2.16064453e-02,
 6.34765625e-02,  9.13085938e-02, -8.10546875e-02, -3.90625000e-01,
-2.37304688e-01, -3.51562500e-02,  1.17675781e-01,  1.12304688e-02,
 2.39257812e-01, -1.94091797e-02, -2.64892578e-02,  1.24023438e-01,
-1.48437500e-01,  9.71679688e-02,  3.78417969e-02,  3.44238281e-02,
 3.67187500e-01, -1.34277344e-03,  1.10839844e-01, -9.13085938e-02,
-2.27355957e-03,  2.94921875e-01,  6.88476562e-02, -6.78710938e-02,
 2.61718750e-01, -6.00585938e-02, -2.22656250e-01,  7.08007812e-02,
 8.54492188e-02,  8.91113281e-03, -1.12304688e-01, -2.05078125e-01,
-1.15722656e-01,  4.49218750e-01, -3.71093750e-01, -3.29589844e-02,
 9.17968750e-02,  1.89453125e-01, -5.73730469e-02, -1.63574219e-02,
-9.32617188e-02,  3.28125000e-01,  1.14257812e-01,  1.20849609e-02,
 1.64062500e-01, -5.22460938e-02,  2.00195312e-01,  1.26953125e-01,
-2.08007812e-01, -5.29785156e-02, -2.79296875e-01,  9.22851562e-02,
 2.30468750e-01,  1.78710938e-01, -9.66796875e-02, -3.49609375e-01,
 6.22558594e-02, -2.57812500e-01,  6.89697266e-03, -9.76562500e-03,
 1.05957031e-01, -4.12597656e-02, -7.86132812e-02, -3.76953125e-01,
 1.21582031e-01,  6.88476562e-02,  1.77001953e-02,  4.44335938e-02,
 3.76953125e-01, -3.34167480e-03, -3.08593750e-01, -1.13769531e-01,
-3.04687500e-01,  1.81884766e-02,  5.32226562e-02, -5.78613281e-02,
 4.41894531e-02, -1.75781250e-01,  4.73022461e-03, -1.09863281e-01,
-1.52343750e-01,  1.71875000e-01, -4.45312500e-01,  2.32421875e-01,
 1.42669678e-03,  1.78710938e-01,  7.76367188e-02,  3.14453125e-01,
 7.08007812e-02, -2.08007812e-01, -1.29882812e-01, -4.71191406e-02,
-4.88281250e-02,  3.03955078e-02,  2.19726562e-01,  2.58789062e-02,
-7.81250000e-02,  1.80664062e-01, -2.24609375e-01, -2.86865234e-02,
 2.09960938e-01,  1.14257812e-01,  2.57812500e-01,  1.20117188e-01,
 3.92578125e-01,  1.97265625e-01, -2.73437500e-01,  4.62890625e-01,
 2.18750000e-01,  7.12890625e-02, -2.43164062e-01, -1.96289062e-01,
-2.02148438e-01,  2.95410156e-02, -2.07031250e-01,  2.21679688e-01,
 2.36328125e-01, -2.34375000e-01,  2.34375000e-01, -5.54199219e-02,
 8.93554688e-02, -1.17675781e-01, -3.24707031e-02,  9.91210938e-02,
-1.48437500e-01,  2.12890625e-01,  2.18750000e-01, -1.35742188e-01,
 4.15039062e-02, -1.37939453e-02,  1.83593750e-01,  7.42187500e-02,
-4.68750000e-01, -2.69531250e-01, -1.38671875e-01, -9.17968750e-02,
-1.59179688e-01, -2.87109375e-01, -3.59375000e-01,  1.45507812e-01,
-5.95092773e-04, -3.32031250e-01, -7.37304688e-02,  1.84570312e-01,
-3.82812500e-01, -4.30297852e-03,  1.51367188e-01, -2.63671875e-01,
 7.87353516e-03,  4.15039062e-02,  3.00781250e-01,  3.22265625e-01,
-1.27929688e-01,  6.46972656e-03,  2.18505859e-02,  5.66406250e-02,
 1.32812500e-01,  1.67236328e-02,  3.29589844e-02, -1.26953125e-01,
 4.68750000e-02, -1.22558594e-01,  2.81250000e-01,  6.54296875e-02,
 8.88671875e-02,  1.04980469e-01, -7.37304688e-02, -4.68750000e-01,
```

```
        -5.27343750e-01, -1.91406250e-01,  3.03955078e-02, -1.93359375e-01,
        -4.61425781e-02,  2.55859375e-01,  1.87500000e-01,  8.93554688e-02,
        -1.78710938e-01,  1.53320312e-01, -5.46875000e-02, -3.58886719e-02,
         1.43432617e-02,  6.68945312e-02, -4.85839844e-02, -5.66406250e-02,
         1.61132812e-01,  1.67968750e-01,  2.46582031e-02,  3.37890625e-01,
         1.72851562e-01,  1.66992188e-01,  6.73828125e-02, -2.61718750e-0
1],
       dtype=float32),
 'federal': array([ 6.00585938e-02, -1.87500000e-01,  1.80664062e-01,  2.24
609375e-01,
         1.41601562e-01, -3.45703125e-01, -4.41894531e-02,  2.32421875e-01,
         3.51562500e-02, -1.67968750e-01,  6.78710938e-02,  1.25000000e-01,
         4.10156250e-02, -1.25000000e-01, -3.53515625e-01,  7.20214844e-03,
        -9.47265625e-02,  1.27929688e-01, -1.20605469e-01,  1.38671875e-01,
        -1.43554688e-01,  9.03320312e-03, -7.08007812e-02, -1.12792969e-01,
         1.61132812e-01,  2.47802734e-02, -2.41699219e-02, -1.14257812e-01,
        -1.55639648e-02,  1.38671875e-01,  1.21093750e-01,  3.64685059e-03,
         3.14941406e-02,  4.85839844e-02, -1.18652344e-01, -2.79541016e-02,
        -7.95898438e-02,  5.00488281e-02,  7.56835938e-02,  1.14257812e-01,
        -2.12890625e-01,  3.93066406e-02,  2.71484375e-01, -9.13085938e-02,
        -1.17187500e-01, -1.04003906e-01, -1.39770508e-02,  2.89062500e-01,
        -2.10937500e-01,  8.83789062e-02, -2.09960938e-02, -2.14843750e-01,
        -4.93164062e-02, -2.06054688e-01, -1.87500000e-01,  1.27929688e-01,
        -3.06640625e-01, -2.75878906e-02, -1.98242188e-01,  2.85644531e-02,
        -2.53906250e-01,  3.93676758e-03, -3.10058594e-02,  6.73828125e-02,
        -8.05664062e-02, -4.34570312e-02,  6.93359375e-02,  1.37695312e-01,
         5.71289062e-02, -1.41601562e-02, -1.16699219e-01,  3.46679688e-02,
        -1.31835938e-01,  7.61718750e-02, -6.31713867e-03, -1.31835938e-02,
         2.52685547e-02,  8.54492188e-02, -6.05468750e-02,  3.36914062e-02,
        -4.30297852e-03,  1.80816650e-03, -1.02539062e-02, -2.27539062e-01,
        -8.34960938e-02, -2.35595703e-02, -1.82617188e-01,  2.79296875e-01,
        -1.04980469e-02, -5.41992188e-02,  1.15234375e-01, -8.20312500e-02,
        -4.80957031e-02, -1.59912109e-02,  6.29882812e-02,  4.90722656e-02,
         1.71875000e-01, -1.48437500e-01,  4.88281250e-02, -1.76757812e-01,
        -1.48437500e-01,  1.25976562e-01,  1.66015625e-01, -1.84570312e-01,
        -6.54296875e-02, -2.57812500e-01, -2.05078125e-01, -2.27539062e-01,
         1.80664062e-01, -8.39843750e-02,  4.44335938e-02,  4.49218750e-02,
        -1.85546875e-01,  3.04687500e-01,  4.80957031e-02,  7.95898438e-02,
         1.32812500e-01,  5.79833984e-03,  1.50390625e-01,  8.10546875e-02,
        -2.62451172e-02,  1.45507812e-01, -1.25976562e-01, -5.73730469e-02,
         3.90625000e-01, -4.46777344e-02,  2.50000000e-01, -1.07421875e-01,
         1.54296875e-01,  4.39453125e-02, -6.83593750e-02,  5.02929688e-02,
        -7.66601562e-02, -1.01562500e-01, -1.15722656e-01, -2.09960938e-01,
        -6.31713867e-03, -2.87109375e-01,  1.84570312e-01,  8.05664062e-02,
         1.29882812e-01,  9.81445312e-02, -1.34765625e-01,  7.32421875e-02,
        -3.93066406e-02, -2.11914062e-01, -1.58203125e-01,  2.30712891e-02,
         2.63671875e-02, -4.93164062e-02,  1.72851562e-01, -1.00585938e-01,
        -1.17187500e-01,  3.27148438e-02,  9.37500000e-02, -1.20849609e-02,
         1.25000000e-01, -2.63671875e-01,  1.57470703e-02,  8.74023438e-02,
         6.59179688e-02,  2.17285156e-02,  2.96630859e-02,  1.15722656e-01,
        -7.91015625e-02, -3.63769531e-02,  1.03027344e-01, -2.53906250e-01,
         2.96875000e-01,  1.37695312e-01, -2.15820312e-01, -2.05078125e-01,
        -1.59179688e-01,  3.41796875e-02,  1.22070312e-01, -7.86132812e-02,
        -5.81054688e-02,  1.00097656e-01, -3.51562500e-01, -9.81445312e-02,
        -2.28515625e-01, -1.73339844e-02, -2.23388672e-02, -2.31445312e-01,
        -8.23974609e-03, -5.15136719e-02, -1.08032227e-02,  1.09672546e-04,
        -3.27148438e-02,  1.04980469e-01, -2.18505859e-02, -1.67968750e-01,
         9.13085938e-02, -1.80664062e-01, -2.79296875e-01,  1.14257812e-01,
        -1.91406250e-01, -1.82617188e-01,  2.77099609e-02,  7.17773438e-02,
        -2.03125000e-01,  2.06054688e-01,  2.96875000e-01,  1.85546875e-02,
         3.93066406e-02,  1.41601562e-01, -7.81250000e-02,  1.55029297e-02,
        -1.21582031e-01, -6.73828125e-02, -1.02539062e-01, -1.18164062e-01,
        -6.80541992e-03,  1.35742188e-01,  4.15039062e-03,  5.88378906e-02,
        -7.27539062e-02,  2.48046875e-01, -1.75781250e-01, -1.19628906e-01,
```

```
        -1.37695312e-01, -9.81445312e-02,  9.61914062e-02,  2.28515625e-01,
        -8.25195312e-02, -1.91406250e-01,  1.35742188e-01,  1.83593750e-01,
         1.73828125e-01, -2.30712891e-02,  1.48437500e-01,  7.95898438e-02,
        -1.93359375e-01, -1.34765625e-01, -2.41210938e-01, -7.27539062e-02,
         2.33398438e-01,  4.56542969e-02,  1.49414062e-01, -8.25195312e-02,
         2.89306641e-02, -4.27246094e-02,  2.72216797e-02, -3.57421875e-01,
        -3.39843750e-01, -3.44238281e-02,  2.61718750e-01,  4.39453125e-02,
         2.39257812e-01, -1.60156250e-01, -1.05468750e-01, -3.85742188e-02,
         1.24023438e-01, -1.35742188e-01,  1.79687500e-01,  8.54492188e-02,
         6.34765625e-02, -6.07910156e-02,  9.13085938e-02,  6.68945312e-02,
        -9.03320312e-03,  7.37304688e-02, -2.96875000e-01, -6.34765625e-03,
         1.37695312e-01,  2.51953125e-01, -1.07910156e-01, -2.12890625e-01,
        -7.61718750e-02, -1.02539062e-01,  1.35742188e-01,  9.17968750e-02,
         5.37109375e-02, -1.17675781e-01, -7.22656250e-02, -3.20312500e-01,
        -1.00585938e-01, -2.05078125e-01,  2.26562500e-01, -2.02148438e-01,
        -1.92382812e-01, -1.03027344e-01,  1.03027344e-01,  1.90429688e-01,
        -1.48437500e-01, -8.20312500e-02,  1.11083984e-02,  2.97851562e-02,
         2.77343750e-01, -3.71093750e-02, -1.25000000e-01, -5.95703125e-02,
         2.34375000e-01,  4.19921875e-02,  2.44140625e-01,  1.73339844e-02,
         3.80859375e-02, -3.05175781e-02,  9.27734375e-02, -1.54296875e-0
1],
       dtype=float32),
 'regulation': array([-0.25      , -0.02636719,  0.09570312, -0.03125   ,
0.02880859,
        -0.25976562,  0.13085938, -0.32617188,  0.10449219, -0.24609375,
         0.125     , -0.27539062, -0.30664062, -0.18261719, -0.14355469,
        -0.01855469,  0.3125    ,  0.109375  , -0.06542969, -0.03442383,
         0.20019531, -0.04882812,  0.13574219,  0.23339844, -0.08496094,
         0.35546875, -0.26757812, -0.17871094, -0.03271484,  0.16601562,
         0.09472656, -0.19726562,  0.29492188, -0.1953125 , -0.08398438,
        -0.00604248, -0.00184631,  0.10693359,  0.37695312,  0.2734375 ,
        -0.19726562, -0.03198242, -0.09228516,  0.08740234, -0.06005859,
        -0.12597656, -0.0168457 ,  0.05908203, -0.06591797, -0.12597656,
         0.10400391,  0.25585938,  0.01318359, -0.08691406,  0.04736328,
         0.12597656,  0.06347656, -0.07714844, -0.08154297, -0.24609375,
        -0.2578125 ,  0.04077148, -0.19921875, -0.22558594, -0.14453125,
        -0.03344727, -0.11962891,  0.23632812,  0.09765625,  0.21484375,
        -0.03173828, -0.2890625 ,  0.0625    , -0.16015625, -0.15332031,
        -0.43554688,  0.01092529,  0.3671875 ,  0.18554688,  0.2578125 ,
         0.01403809,  0.14453125, -0.06640625, -0.19042969, -0.09375   ,
         0.27539062,  0.22265625,  0.14746094, -0.06884766,  0.05786133,
         0.15722656,  0.18066406,  0.19335938,  0.05175781,  0.19335938,
        -0.01611328, -0.05981445, -0.38671875, -0.03417969,  0.05834961,
        -0.19042969,  0.20019531,  0.02893066,  0.10839844,  0.30859375,
        -0.26757812,  0.09716797, -0.03466797, -0.06152344, -0.24121094,
         0.30078125, -0.02246094, -0.16210938, -0.10839844,  0.08691406,
         0.03833008,  0.2890625 ,  0.3984375 ,  0.05419922, -0.00396729,
         0.04272461, -0.10400391, -0.18457031,  0.03100586,  0.04589844,
        -0.4140625 ,  0.22753906,  0.22851562,  0.00860596,  0.203125  ,
         0.11767578,  0.06542969, -0.01434326, -0.10644531, -0.26953125,
         0.09228516,  0.18945312,  0.06982422, -0.09472656, -0.14746094,
         0.0546875 , -0.04663086,  0.08740234,  0.0022583 ,  0.26171875,
        -0.11621094, -0.18261719,  0.22167969,  0.01470947,  0.12597656,
        -0.06787109, -0.31640625, -0.22558594, -0.03491211,  0.04272461,
        -0.06835938,  0.08349609, -0.12597656,  0.10791016, -0.140625  ,
        -0.3359375 ,  0.10205078, -0.10302734,  0.12109375, -0.07861328,
         0.09326172, -0.01361084,  0.07617188,  0.06030273, -0.08691406,
        -0.13574219, -0.20117188, -0.07958984, -0.05029297, -0.07177734,
        -0.22851562,  0.33398438, -0.14550781, -0.08056641, -0.2421875 ,
        -0.1328125 ,  0.00805664,  0.34570312,  0.28515625, -0.17382812,
        -0.08154297, -0.03613281,  0.01623535, -0.20996094,  0.09179688,
        -0.03112793,  0.00921631,  0.140625  ,  0.2890625 , -0.05102539,
        -0.1484375 , -0.02478027, -0.20410156, -0.11279297, -0.19433594,
        -0.08740234, -0.06640625,  0.25585938, -0.04370117,  0.06347656,
```

```
         0.00772095,  0.24023438, -0.07714844, -0.01586914, -0.23925781,
        -0.28710938, -0.25390625,  0.16699219,  0.0324707 , -0.27734375,
        -0.0859375 , -0.04418945, -0.00306702,  0.0222168 , -0.296875  ,
        -0.06494141, -0.0201416 ,  0.24121094, -0.38476562, -0.17480469,
        -0.18164062,  0.11376953, -0.01251221,  0.08837891,  0.24804688,
         0.09765625, -0.11865234,  0.28710938, -0.08740234,  0.11230469,
         0.09277344,  0.24414062, -0.10351562,  0.05419922, -0.30273438,
         0.02355957, -0.09814453, -0.11376953, -0.43359375, -0.13964844,
        -0.03100586, -0.13476562,  0.28710938,  0.08398438,  0.00738525,
         0.08398438,  0.00891113,  0.05639648,  0.00079727, -0.08740234,
        -0.28125   ,  0.13671875, -0.18359375,  0.02600098,  0.25      ,
         0.00234985,  0.31640625,  0.06689453, -0.12060547,  0.06347656,
         0.12353516,  0.06445312, -0.00053406, -0.32421875, -0.04882812,
         0.11425781,  0.23242188, -0.09716797, -0.125     , -0.33007812,
         0.06933594, -0.23242188, -0.05664062,  0.06982422,  0.125     ,
        -0.49414062, -0.09521484,  0.43164062,  0.06347656, -0.10644531,
        -0.13378906,  0.0112915 , -0.15625   ,  0.01745605,  0.01245117,
        -0.18945312, -0.0546875 ,  0.41796875, -0.01556396,  0.01342773,
         0.09033203, -0.03515625, -0.16796875, -0.03710938, -0.0625    ],
       dtype=float32),
 'forth': array([-1.07421875e-01, -3.56445312e-02,  1.33789062e-01,  2.8125
0000e-01,
        -1.07421875e-01, -1.44531250e-01,  2.25585938e-01, -1.94091797e-02,
         7.76367188e-02,  2.41210938e-01,  2.23388672e-02,  9.22851562e-02,
         8.78906250e-03,  2.11914062e-01, -3.24707031e-02,  4.71191406e-02,
         1.01562500e-01,  1.66992188e-01, -1.54418945e-02,  8.54492188e-02,
         5.54199219e-02,  2.30468750e-01,  3.46374512e-03,  3.00781250e-01,
         4.69970703e-03,  4.08203125e-01, -5.98144531e-02,  2.52685547e-02,
        -1.85546875e-01,  1.75781250e-01, -6.34765625e-02, -2.59765625e-01,
        -4.34570312e-02,  1.59179688e-01, -2.83203125e-01, -8.64257812e-02,
        -1.11328125e-01, -2.15820312e-01,  4.51660156e-02,  5.07354736e-04,
         8.49609375e-02,  7.08007812e-02,  1.67968750e-01, -2.01171875e-01,
        -1.53320312e-01, -1.37329102e-02,  7.95898438e-02,  9.86328125e-02,
         2.06054688e-01, -2.73437500e-01,  1.90429688e-02,  1.79687500e-01,
        -2.27539062e-01, -1.17187500e-01, -1.74804688e-01,  2.59765625e-01,
         3.86718750e-01, -2.11914062e-01,  1.64062500e-01,  1.59179688e-01,
         8.64257812e-02, -1.53320312e-01, -1.85546875e-01,  5.63964844e-02,
        -1.27929688e-01, -5.34667969e-02, -4.29687500e-02,  4.04296875e-01,
         9.08203125e-02, -2.27539062e-01,  2.21679688e-01, -4.36401367e-03,
         1.09375000e-01, -6.98242188e-02, -2.38281250e-01,  9.47265625e-02,
         2.11914062e-01,  7.66601562e-02,  1.29882812e-01,  2.05078125e-01,
         3.68652344e-02, -1.01562500e-01,  1.94335938e-01, -3.35937500e-01,
         1.52343750e-01,  2.75390625e-01, -3.22265625e-01,  9.70458984e-03,
        -1.28784180e-02, -2.00195312e-02,  1.95312500e-01,  2.98828125e-01,
        -2.00195312e-02, -1.70898438e-01,  3.06640625e-01,  2.92968750e-01,
         1.70898438e-01, -1.62109375e-01, -2.13867188e-01,  2.10937500e-01,
        -3.57421875e-01, -3.41796875e-01, -2.35595703e-02,  9.09423828e-03,
         8.83789062e-02, -1.14257812e-01,  1.02539062e-01,  1.01074219e-01,
         6.88476562e-02,  1.85394287e-03, -3.45703125e-01,  1.54296875e-01,
         1.26953125e-01,  6.25000000e-02,  2.49023438e-01,  5.02929688e-02,
         5.02929688e-02,  3.34472656e-02, -1.16210938e-01,  2.69775391e-02,
        -7.56835938e-02, -2.19726562e-01,  1.70898438e-02,  1.22070312e-01,
        -4.68750000e-02, -9.27734375e-02, -4.25781250e-01, -5.61523438e-02,
        -1.61132812e-01, -2.40478516e-02, -2.10937500e-01, -2.87109375e-01,
        -3.75976562e-02, -1.20849609e-02, -8.74023438e-02,  4.06250000e-01,
         1.67236328e-02, -2.01171875e-01, -1.75781250e-01, -1.23046875e-01,
        -1.53320312e-01,  1.98242188e-01,  1.18652344e-01, -1.62109375e-01,
        -2.38281250e-01,  2.17773438e-01, -1.65039062e-01, -5.44433594e-02,
         6.54296875e-02,  3.22265625e-01,  4.17968750e-01,  2.86865234e-02,
        -1.12792969e-01,  1.46484375e-01, -7.95898438e-02,  3.95507812e-02,
         3.16406250e-01,  2.98828125e-01,  1.49414062e-01, -6.49414062e-02,
        -3.39843750e-01, -3.80859375e-02,  1.31835938e-01,  4.56542969e-02,
         6.25000000e-02, -2.77343750e-01, -1.45507812e-01,  5.00488281e-03,
         5.54199219e-02,  6.80541992e-03, -3.06396484e-02, -2.41210938e-01,
```

```
         1.87988281e-02,  1.36718750e-01,  1.72851562e-01, -1.04980469e-01,
         2.08007812e-01, -8.34960938e-02, -2.10937500e-01, -1.84570312e-01,
        -1.83593750e-01, -1.84326172e-02,  5.49316406e-02,  2.57812500e-01,
        -5.05371094e-02,  3.39355469e-02, -2.36511230e-04, -4.76074219e-02,
         9.61914062e-02,  7.51953125e-02,  3.28125000e-01,  9.71679688e-02,
         5.51757812e-02, -3.49609375e-01,  3.68652344e-02,  2.32421875e-01,
        -1.76757812e-01,  9.71679688e-02, -1.18164062e-01, -2.18750000e-01,
         9.22851562e-02,  2.50000000e-01,  1.30859375e-01,  3.63769531e-02,
        -6.54296875e-02, -2.09960938e-02,  7.22656250e-02,  1.53320312e-01,
         3.95507812e-02,  2.41210938e-01,  4.27246094e-02, -4.95605469e-02,
        -1.70898438e-01, -1.39648438e-01, -1.84570312e-01, -1.59179688e-01,
        -1.66015625e-01,  3.67187500e-01,  6.78710938e-02, -6.29882812e-02,
        -4.15039062e-02,  1.19140625e-01,  2.18200684e-03,  4.58984375e-02,
        -6.49414062e-02, -1.98242188e-01, -6.05468750e-02,  3.22265625e-01,
         2.92968750e-01,  3.66210938e-02,  1.07421875e-01, -2.25585938e-01,
         3.26171875e-01, -2.65625000e-01, -7.37304688e-02,  2.12402344e-02,
         8.83789062e-02,  1.24511719e-01,  2.96875000e-01,  1.81640625e-01,
        -3.71093750e-02,  2.31445312e-01, -1.79687500e-01, -1.32812500e-01,
         5.29785156e-02, -4.60815430e-03, -1.94335938e-01, -4.58984375e-02,
         1.61132812e-01,  1.13769531e-01,  1.14746094e-01,  3.61328125e-01,
        -3.51562500e-01,  2.07031250e-01, -2.77343750e-01, -2.43164062e-01,
         6.39648438e-02, -1.91406250e-01,  9.71679688e-02,  2.22167969e-02,
        -2.79541016e-02, -1.03027344e-01,  4.07714844e-02, -1.16699219e-01,
        -2.99072266e-03,  2.73437500e-01,  8.98437500e-02, -2.77343750e-01,
        -4.00390625e-02, -2.00195312e-01, -1.25000000e-01,  1.84570312e-01,
         1.04492188e-01,  6.88476562e-02,  2.03125000e-01, -7.03125000e-02,
        -2.31445312e-01, -3.10546875e-01,  9.57031250e-02, -2.42187500e-01,
         5.73730469e-02,  3.49121094e-02, -1.58203125e-01, -2.09960938e-01,
         5.12695312e-02,  1.22558594e-01, -2.50000000e-01,  3.88183594e-02,
         2.24609375e-01,  1.44531250e-01,  3.17382812e-02, -3.41796875e-02,
        -3.16406250e-01, -1.12304688e-01, -2.90527344e-02,  1.83593750e-01,
         1.35742188e-01,  1.99218750e-01, -8.34960938e-02, -4.63867188e-0
2],
       dtype=float32),
 'confidentiality': array([-0.29101562, -0.04589844, -0.06884766, -0.261718
75, -0.06298828,
        -0.01104736,  0.10595703,  0.44335938,  0.15625   ,  0.12597656,
        -0.3125    , -0.25390625,  0.1171875 ,  0.10986328, -0.36132812,
         0.375     ,  0.31054688,  0.0100708 , -0.3203125 ,  0.13476562,
         0.11328125, -0.30273438,  0.04174805,  0.3125    ,  0.14355469,
        -0.34960938, -0.18066406, -0.01904297,  0.14550781, -0.18066406,
         0.13085938, -0.4375    ,  0.28125   , -0.16210938, -0.03686523,
        -0.18945312,  0.04711914, -0.08105469, -0.05004883, -0.14941406,
        -0.13183594,  0.14453125, -0.43164062, -0.09814453, -0.08251953,
         0.02600098,  0.03015137,  0.12255859, -0.36328125,  0.09326172,
        -0.01556396, -0.06884766, -0.06298828, -0.06982422, -0.35742188,
         0.27539062, -0.27539062,  0.01245117,  0.04858398, -0.12011719,
        -0.01953125,  0.01361084,  0.2265625 ,  0.23925781, -0.10546875,
        -0.10595703, -0.08251953, -0.14160156,  0.22070312,  0.09375   ,
         0.08642578, -0.15527344,  0.25195312, -0.18457031, -0.11767578,
         0.21289062, -0.23339844, -0.17578125,  0.50390625,  0.45507812,
        -0.07080078,  0.24023438, -0.20117188, -0.18847656,  0.24121094,
        -0.06884766, -0.06591797,  0.40039062, -0.04736328, -0.02929688,
         0.26367188, -0.30273438,  0.05908203,  0.12988281,  0.18164062,
        -0.24414062,  0.11328125,  0.05517578,  0.11425781, -0.38867188,
        -0.09228516, -0.1953125 ,  0.15527344, -0.22167969,  0.19140625,
        -0.04833984, -0.0098877 ,  0.10791016, -0.4453125 , -0.06982422,
        -0.05395508,  0.10253906, -0.11376953, -0.09179688,  0.125     ,
         0.02978516, -0.01324463, -0.34570312,  0.59765625,  0.296875  ,
        -0.16894531,  0.17382812,  0.13671875,  0.56640625,  0.29101562,
        -0.36523438, -0.00720215,  0.10058594,  0.30078125, -0.109375  ,
        -0.29296875, -0.43554688, -0.36523438, -0.10693359,  0.14257812,
        -0.20703125,  0.1484375 , -0.14941406, -0.17285156, -0.2421875 ,
         0.02392578, -0.00166321, -0.16601562, -0.09326172, -0.36914062,
```

```
         0.15234375, -0.05712891,  0.13769531,  0.5390625 , -0.03393555,
         0.10009766,  0.33203125,  0.28515625,  0.07763672,  0.17480469,
         0.00817871, -0.14648438, -0.02612305, -0.453125  ,  0.23535156,
        -0.30078125,  0.13964844,  0.00485229,  0.12451172, -0.421875  ,
         0.04931641, -0.6640625 , -0.16796875, -0.4453125 ,  0.13378906,
         0.11865234, -0.11279297,  0.06225586, -0.19726562,  0.21386719,
        -0.30664062,  0.27929688, -0.13476562, -0.29882812, -0.39257812,
        -0.07519531, -0.19238281,  0.23535156, -0.54296875,  0.18261719,
        -0.19726562, -0.1171875 , -0.15917969,  0.08056641,  0.12060547,
        -0.06494141,  0.20605469,  0.02111816,  0.06396484,  0.28515625,
        -0.00072098, -0.1875    , -0.1328125 , -0.078125  ,  0.04199219,
         0.30078125,  0.19335938,  0.03686523,  0.3125    , -0.31054688,
         0.10058594, -0.09033203, -0.34960938,  0.30078125,  0.16601562,
        -0.10644531, -0.36914062,  0.37890625, -0.04638672,  0.22558594,
        -0.01904297,  0.20117188,  0.10693359, -0.23242188, -0.16113281,
        -0.51953125, -0.10400391,  0.06079102, -0.08935547,  0.15722656,
        -0.36914062,  0.66796875,  0.17871094,  0.1875    , -0.20019531,
        -0.16601562,  0.06298828, -0.13867188, -0.43554688,  0.12890625,
        -0.26953125,  0.10986328, -0.10205078,  0.11572266, -0.234375  ,
         0.03491211, -0.36328125,  0.20605469, -0.18652344,  0.11230469,
         0.203125  , -0.1953125 ,  0.22558594, -0.04980469, -0.10449219,
        -0.421875  ,  0.0703125 ,  0.29101562, -0.13183594, -0.12988281,
        -0.12158203,  0.27929688,  0.14257812, -0.12353516,  0.14355469,
         0.10693359, -0.23242188, -0.02783203,  0.19628906, -0.18066406,
         0.140625  , -0.18457031,  0.00637817, -0.0703125 , -0.2578125 ,
         0.28710938, -0.10546875,  0.43164062,  0.07128906,  0.07226562,
        -0.23144531, -0.05688477, -0.17285156, -0.40234375, -0.00172424,
        -0.23632812,  0.09277344,  0.13671875,  0.16992188,  0.49804688,
        -0.078125  ,  0.07080078,  0.27148438,  0.02209473, -0.16210938,
         0.28515625, -0.1796875 , -0.23730469, -0.39257812, -0.03564453,
         0.37304688,  0.1953125 ,  0.10791016, -0.16503906, -0.44921875],
       dtype=float32),
 'adhere': array([-3.71093750e-01, -7.76367188e-02,  3.00781250e-01,  2.282
71484e-02,
        -2.51953125e-01,  1.58203125e-01,  1.11328125e-01,  3.19824219e-02,
        -1.26953125e-01,  8.64257812e-02, -3.20312500e-01, -6.98242188e-02,
        -4.10156250e-02,  2.92968750e-01, -4.21875000e-01,  1.41601562e-01,
         6.39648438e-02, -1.60156250e-01, -2.48046875e-01, -1.78222656e-02,
         1.39648438e-01, -2.58789062e-02, -5.54199219e-02,  4.21875000e-01,
         4.43359375e-01,  6.78710938e-02,  3.24707031e-02,  2.89306641e-02,
         2.53906250e-01, -4.70703125e-01, -2.57568359e-02, -2.61718750e-01,
        -1.33789062e-01, -2.71606445e-03,  2.18505859e-02, -1.48437500e-01,
         2.65625000e-01,  9.13085938e-02,  1.28906250e-01,  1.93359375e-01,
         2.87109375e-01,  1.39770508e-02, -4.61425781e-02, -7.81250000e-02,
        -1.43554688e-01, -1.32812500e-01, -1.99218750e-01, -1.04492188e-01,
        -4.56542969e-02, -1.45507812e-01, -1.03027344e-01,  1.86523438e-01,
        -2.08984375e-01, -4.45312500e-01,  1.55273438e-01,  1.55273438e-01,
        -1.20849609e-02, -2.09960938e-01, -1.06933594e-01, -2.31445312e-01,
        -9.71679688e-02, -1.04492188e-01, -4.02832031e-02,  7.08007812e-02,
         1.57226562e-01,  2.03125000e-01,  4.34570312e-02,  1.10351562e-01,
         1.25976562e-01,  9.66796875e-02,  1.96289062e-01, -1.67968750e-01,
         2.91015625e-01, -7.27539062e-02, -9.27734375e-02, -3.16406250e-01,
         5.00488281e-02, -8.93554688e-02,  5.61523438e-02,  3.12500000e-01,
        -2.02148438e-01, -6.20117188e-02, -1.24023438e-01, -1.08398438e-01,
        -1.49414062e-01,  8.59375000e-02, -2.45117188e-01,  6.68945312e-02,
         8.49609375e-02,  7.20214844e-03,  1.17187500e-01, -2.45117188e-01,
         3.65234375e-01, -2.25585938e-01,  1.49414062e-01, -1.80664062e-01,
        -1.06811523e-02,  6.39648438e-02, -7.61718750e-02,  7.32421875e-02,
         1.52343750e-01,  8.98437500e-02,  1.06811523e-02,  1.50390625e-01,
        -7.27539062e-02, -4.76562500e-01,  9.27734375e-02,  8.05664062e-02,
        -3.90625000e-02, -4.44335938e-02, -2.22656250e-01, -1.29882812e-01,
        -3.76953125e-01,  1.83593750e-01,  3.47656250e-01, -4.42504883e-03,
        -1.08886719e-01, -1.55273438e-01, -1.09863281e-01,  6.88476562e-02,
        -8.49609375e-02,  5.41992188e-02,  2.04101562e-01,  6.00585938e-02,
```

```
         1.24511719e-01, -1.15356445e-02,  4.00390625e-02, -6.78710938e-02,
         1.62109375e-01,  1.36718750e-01, -1.06933594e-01, -2.46093750e-01,
         2.48046875e-01,  5.00488281e-02, -1.84570312e-01,  6.07910156e-02,
        -1.77734375e-01,  8.39843750e-02,  1.12304688e-01, -1.77734375e-01,
        -6.68334961e-03,  1.51367188e-01, -3.02734375e-01, -4.58984375e-02,
        -4.85839844e-02,  1.55273438e-01, -2.86865234e-02, -3.12500000e-01,
         2.10937500e-01,  5.05371094e-02,  7.22656250e-02,  2.12402344e-02,
        -1.79443359e-02, -2.46093750e-01,  1.24511719e-01,  2.86865234e-02,
        -3.49609375e-01,  2.02636719e-02,  1.67968750e-01,  1.18164062e-01,
         2.61718750e-01, -1.12304688e-02, -1.70898438e-01, -1.69921875e-01,
         8.97216797e-03, -1.50390625e-01, -1.75781250e-01, -3.26171875e-01,
        -1.11328125e-01,  3.93066406e-02, -9.39941406e-03, -1.53320312e-01,
        -2.11181641e-02,  1.92382812e-01,  3.32031250e-01,  4.58984375e-02,
         3.10546875e-01, -1.44531250e-01, -2.21679688e-01, -1.01074219e-01,
        -2.73437500e-01, -2.00195312e-02,  1.22558594e-01,  5.66406250e-02,
         1.70898438e-01, -1.61132812e-01, -3.22265625e-02, -4.08203125e-01,
        -5.78613281e-02,  3.24218750e-01, -1.23596191e-03,  1.70898438e-01,
        -9.08203125e-02, -2.05078125e-02, -1.27929688e-01,  1.52343750e-01,
         2.80761719e-02, -7.42187500e-02, -3.47656250e-01, -8.54492188e-02,
         3.53515625e-01,  1.05468750e-01, -1.94091797e-02, -9.61914062e-02,
        -3.86718750e-01, -6.12792969e-02, -8.10546875e-02, -1.68945312e-01,
         2.11914062e-01,  1.09252930e-02,  1.41601562e-01,  2.23388672e-02,
         2.94921875e-01,  2.69531250e-01, -2.45117188e-01,  1.10839844e-01,
         2.48046875e-01, -8.78906250e-02, -4.60815430e-03, -9.08203125e-02,
        -3.54003906e-02, -7.61718750e-02, -1.15722656e-01,  9.52148438e-02,
         2.50000000e-01, -5.37109375e-02,  1.66992188e-01,  5.83496094e-02,
         3.02734375e-01, -1.06933594e-01,  5.51757812e-02, -9.57031250e-02,
        -4.32128906e-02,  1.64062500e-01,  2.71484375e-01,  8.49609375e-02,
         9.81445312e-02, -4.32128906e-02, -5.85937500e-02, -6.93359375e-02,
        -2.85156250e-01, -1.36718750e-01,  8.20312500e-02, -2.47802734e-02,
        -6.59179688e-02, -3.32031250e-01, -3.02734375e-01,  2.69531250e-01,
        -1.91406250e-01, -1.19628906e-01, -1.47460938e-01,  1.53320312e-01,
        -1.98242188e-01, -6.34765625e-02,  1.32812500e-01, -1.75781250e-02,
        -5.37109375e-02, -2.17285156e-02,  2.02148438e-01,  2.32421875e-01,
         9.08203125e-02,  3.07617188e-02,  5.41992188e-02,  9.96093750e-02,
         3.33984375e-01,  1.60156250e-01,  1.51824951e-03, -1.21582031e-01,
         4.83398438e-02, -2.25585938e-01,  1.67968750e-01,  4.68750000e-02,
         2.63671875e-01,  1.04003906e-01,  1.29394531e-02, -3.80859375e-01,
        -4.68750000e-01, -1.98242188e-01, -2.37304688e-01, -5.49316406e-02,
         1.54296875e-01,  9.71679688e-02,  1.36718750e-01, -6.83593750e-02,
         1.77734375e-01,  1.71875000e-01, -9.86328125e-02,  9.08203125e-02,
         1.02043152e-04, -5.05371094e-02,  2.80761719e-02, -1.02539062e-01,
         1.87500000e-01,  4.54101562e-02, -7.42187500e-02,  1.28906250e-01,
         8.42285156e-03,  1.46484375e-01,  9.86328125e-02,  3.71093750e-0
2],
       dtype=float32),
 'task': array([ 2.44140625e-01,  1.84570312e-01,  1.27929688e-01, -8.00781
250e-02,
        -3.34472656e-02,  1.69921875e-01,  2.73437500e-01,  4.83398438e-02,
         2.99072266e-02, -1.74560547e-02,  2.50000000e-01, -2.06054688e-01,
         6.49414062e-02, -6.59179688e-02, -2.75390625e-01,  3.00781250e-01,
        -2.15820312e-01, -1.73339844e-02,  7.61718750e-02, -2.11914062e-01,
         6.83593750e-02,  6.10351562e-02,  1.64062500e-01,  3.36914062e-02,
         1.63085938e-01, -1.59179688e-01, -7.71484375e-02, -3.24218750e-01,
        -1.63085938e-01,  1.18652344e-01,  6.73828125e-02,  6.78710938e-02,
         1.10351562e-01,  1.84570312e-01,  1.41601562e-01,  2.05078125e-01,
         1.66992188e-01,  4.07714844e-02,  2.67578125e-01,  1.68945312e-01,
        -3.80859375e-02, -9.81445312e-02,  1.93359375e-01,  1.73828125e-01,
        -5.68847656e-02, -2.17773438e-01,  1.96533203e-02,  8.39843750e-02,
        -3.80859375e-01,  2.08007812e-01, -8.17871094e-03, -1.77734375e-01,
         5.81054688e-02, -2.00195312e-01,  3.54003906e-02,  4.34570312e-02,
         2.79296875e-01, -1.46484375e-01, -2.55859375e-01,  7.72094727e-03,
        -3.26171875e-01,  7.42187500e-02, -1.64062500e-01, -8.30078125e-02,
         1.86523438e-01,  1.32812500e-01, -6.15234375e-02, -6.83593750e-02,
```

```
        -1.30859375e-01, -1.00585938e-01, -2.91748047e-02, -1.28173828e-02,
         4.32128906e-02, -3.61328125e-01,  1.82617188e-01, -1.84570312e-01,
         1.52343750e-01,  2.57568359e-02, -1.18652344e-01, -5.66406250e-02,
        -1.06933594e-01,  1.36718750e-01,  2.16796875e-01, -2.11914062e-01,
         5.51757812e-02, -1.95312500e-01, -1.19628906e-02, -2.44140625e-01,
         4.53125000e-01,  2.08984375e-01,  1.21459961e-02, -3.49609375e-01,
         1.48437500e-01, -1.09863281e-02,  2.74658203e-02, -1.15234375e-01,
        -1.32812500e-01, -1.13769531e-01, -8.05664062e-02, -8.25195312e-02,
         1.56250000e-02,  7.08007812e-02, -6.43920898e-03,  1.28906250e-01,
        -1.87500000e-01, -9.71679688e-02, -4.34570312e-02, -3.87191772e-04,
         3.43750000e-01,  1.33789062e-01,  3.41796875e-01, -3.51562500e-01,
         1.06933594e-01,  4.68750000e-02,  1.70898438e-01,  2.07031250e-01,
        -9.37500000e-02,  2.24609375e-01,  7.61718750e-02,  1.27929688e-01,
        -4.37500000e-01,  1.27929688e-01, -4.37011719e-02,  7.81250000e-02,
        -2.10937500e-01,  1.95312500e-01, -1.83593750e-01,  1.53320312e-01,
         1.06933594e-01,  1.51977539e-02,  1.25976562e-01, -9.17968750e-02,
        -2.73437500e-02,  9.81445312e-02, -9.76562500e-02,  2.01171875e-01,
        -8.20312500e-02,  8.64257812e-02, -3.24707031e-02, -1.86523438e-01,
         2.49023438e-01, -2.47802734e-02, -1.13769531e-01, -3.04687500e-01,
         8.34960938e-02, -6.22558594e-02, -1.85546875e-01, -1.44531250e-01,
         3.41796875e-02, -7.76367188e-02,  7.47070312e-02,  2.08740234e-02,
         2.16796875e-01,  2.63671875e-01,  3.90625000e-03,  2.07031250e-01,
        -3.02734375e-01, -2.67578125e-01, -1.63085938e-01, -1.48437500e-01,
        -3.14941406e-02,  8.49609375e-02,  2.10937500e-01, -3.39355469e-02,
        -1.32812500e-01, -1.59179688e-01,  5.12695312e-02, -1.22558594e-01,
        -1.34765625e-01,  8.69140625e-02,  1.12792969e-01, -3.19824219e-02,
        -3.37890625e-01,  1.39617920e-03, -1.02539062e-01, -7.76367188e-02,
        -8.23974609e-03, -8.93554688e-02, -3.66210938e-03, -6.88476562e-02,
        -2.96875000e-01, -4.00390625e-02, -6.49414062e-02, -1.02539062e-01,
        -3.41796875e-02,  5.76171875e-02,  1.96289062e-01, -5.44433594e-02,
        -1.09863281e-01,  8.97216797e-03, -1.45507812e-01, -1.51367188e-01,
         3.66210938e-02,  3.79943848e-03, -5.82031250e-01,  1.44958496e-03,
         3.14453125e-01,  1.71875000e-01, -1.05957031e-01, -2.51953125e-01,
         7.91015625e-02,  3.02734375e-01, -1.99218750e-01, -1.92382812e-01,
         7.51953125e-02,  1.43554688e-01, -6.22558594e-02, -1.09375000e-01,
         2.03125000e-01,  4.42504883e-04,  2.03857422e-02, -1.12792969e-01,
        -2.79296875e-01, -1.10839844e-01, -2.44140625e-01, -1.46484375e-01,
         2.61718750e-01,  1.05468750e-01, -2.51953125e-01,  4.90722656e-02,
        -1.90429688e-01,  1.53320312e-01, -1.38671875e-01,  1.77764893e-03,
         1.77001953e-03, -5.05371094e-02, -5.29785156e-02, -9.52148438e-02,
         1.50390625e-01,  2.26562500e-01, -3.71093750e-02, -6.83593750e-02,
        -1.74804688e-01,  4.88281250e-02,  2.36816406e-02, -9.22851562e-02,
        -1.77734375e-01, -3.28125000e-01, -3.98437500e-01,  2.25585938e-01,
        -1.89453125e-01,  3.46679688e-02, -1.02050781e-01, -1.27929688e-01,
         3.85742188e-02, -4.42504883e-03,  1.83593750e-01,  8.65936279e-04,
        -1.15966797e-02, -6.54296875e-02, -1.53320312e-01, -7.51953125e-02,
        -1.31835938e-02,  1.21093750e-01,  8.69140625e-02,  2.71484375e-01,
         1.39648438e-01, -1.62353516e-02, -9.64355469e-03,  3.34472656e-02,
         1.18164062e-01,  8.34960938e-02,  2.29492188e-02,  3.46679688e-02,
        -1.49536133e-02,  2.39257812e-01,  2.00195312e-02, -7.51953125e-02,
        -3.10546875e-01,  3.12500000e-02,  2.01171875e-01, -2.35595703e-02,
         1.33056641e-02,  1.19140625e-01, -2.74658203e-02,  1.54296875e-01,
         4.51660156e-02, -1.96289062e-01,  5.12695312e-02, -2.63671875e-02,
         1.86523438e-01, -1.58203125e-01, -8.00781250e-02, -9.08203125e-02,
         4.34570312e-02,  2.41210938e-01, -4.04296875e-01, -8.83789062e-02,
         2.24609375e-01,  2.20703125e-01, -2.32421875e-01,  8.93554688e-02,
        -6.25000000e-02, -9.33837891e-03, -3.08593750e-01,  9.42382812e-02,
        -8.59375000e-02,  9.52148438e-02, -1.49414062e-01, -2.13623047e-0
2],
       dtype=float32),
 'collaboratively': array([-3.55468750e-01, -1.70898438e-01,  1.22070312e-0
2,  2.71484375e-01,
        -1.43432617e-02,  9.86328125e-02, -3.19824219e-02,  2.26562500e-01,
         3.53515625e-01, -5.19531250e-01, -2.92968750e-01,  4.76074219e-02,
```

```
 1.07421875e-01, -8.42285156e-03, -3.69140625e-01, -2.33398438e-01,
-1.62109375e-01,  3.32031250e-01, -4.48608398e-03,  6.65283203e-03,
-1.12304688e-01,  2.53906250e-01,  5.61523438e-02, -1.94335938e-01,
-2.50000000e-01,  1.38854980e-03,  1.83593750e-01,  5.15136719e-02,
-1.77734375e-01, -2.44140625e-01, -6.05468750e-02,  6.88476562e-02,
-6.44531250e-02, -1.25000000e-01,  1.74804688e-01, -1.79687500e-01,
 1.10626221e-03, -2.09960938e-02,  1.59179688e-01, -2.02148438e-01,
 8.66699219e-03,  3.35937500e-01, -5.31250000e-01,  1.04003906e-01,
-2.59765625e-01, -4.78515625e-02, -2.26562500e-01, -2.10937500e-01,
 6.59179688e-02, -2.45361328e-02,  8.48388672e-03,  9.17968750e-02,
-3.32031250e-01, -1.20117188e-01, -4.34570312e-02, -6.05468750e-02,
 4.68750000e-02, -3.92578125e-01, -3.93066406e-02,  2.12402344e-02,
 1.26953125e-01,  1.89453125e-01, -3.86718750e-01,  3.24707031e-02,
-1.12304688e-01,  2.16796875e-01,  1.15356445e-02,  2.00195312e-01,
-4.17480469e-02,  4.27246094e-02, -2.63671875e-01, -8.69140625e-02,
 1.72851562e-01, -1.89453125e-01,  1.57226562e-01, -1.74804688e-01,
-7.17773438e-02, -6.00585938e-02,  2.15820312e-01,  1.19018555e-02,
-1.41601562e-01,  2.00195312e-02, -9.27734375e-02, -1.18164062e-01,
 1.75781250e-01, -1.46484375e-01, -1.54296875e-01, -4.82177734e-03,
-5.15136719e-02,  4.64843750e-01,  1.53320312e-01, -1.15234375e-01,
-1.42578125e-01,  2.09960938e-02, -3.56445312e-02,  7.95898438e-02,
-1.07910156e-01,  2.05078125e-01, -4.92095947e-04, -1.79687500e-01,
 6.07910156e-02, -3.08593750e-01, -7.81250000e-02,  1.08398438e-01,
 1.90429688e-01,  4.58984375e-02, -5.05371094e-02,  1.28906250e-01,
 3.00781250e-01,  1.99218750e-01, -8.64257812e-02, -1.29882812e-01,
 1.38671875e-01,  5.78613281e-02,  2.73437500e-01,  2.55859375e-01,
 1.24023438e-01, -4.70703125e-01, -4.05273438e-02, -1.27929688e-01,
-3.56445312e-02, -1.01074219e-01, -1.41601562e-01,  2.71484375e-01,
 2.24609375e-02,  1.52587891e-03, -1.61132812e-01, -5.24902344e-03,
-2.55859375e-01,  3.57421875e-01,  2.14843750e-01, -7.51953125e-02,
-3.22265625e-02,  1.64794922e-02, -2.12890625e-01, -2.39257812e-02,
 1.87988281e-02, -1.25976562e-01,  1.95312500e-01, -3.01513672e-02,
 3.83300781e-02,  9.70458984e-03, -2.69531250e-01, -2.32421875e-01,
-6.49414062e-02,  8.59375000e-02, -1.12792969e-01, -1.20117188e-01,
 3.37890625e-01, -4.63867188e-02,  1.98242188e-01, -7.35473633e-03,
-6.92749023e-03,  3.88671875e-01,  2.53906250e-01,  2.03125000e-01,
 2.51464844e-02,  1.86523438e-01, -3.75000000e-01,  4.15039062e-02,
-3.06396484e-02,  1.14257812e-01, -8.78906250e-02,  3.18359375e-01,
 1.03515625e-01,  4.15039062e-02,  3.39355469e-02, -3.06640625e-01,
-1.16699219e-01,  1.45507812e-01,  2.96020508e-03,  1.47460938e-01,
 2.89062500e-01, -1.67968750e-01,  1.89208984e-02, -6.25000000e-02,
 1.15234375e-01, -2.03125000e-01, -4.43359375e-01, -1.05957031e-01,
-3.49609375e-01, -4.73022461e-03,  1.12792969e-01, -1.64062500e-01,
-2.96875000e-01,  1.42822266e-02, -2.50000000e-01,  7.03125000e-02,
-5.88378906e-02, -1.75781250e-02, -1.68945312e-01, -1.36718750e-01,
 2.07031250e-01, -2.19726562e-01, -1.43554688e-01, -1.86523438e-01,
 2.09960938e-01,  8.72802734e-03, -1.47460938e-01, -7.61718750e-02,
 7.91015625e-02,  8.74023438e-02,  3.22265625e-01,  1.81640625e-01,
-2.53906250e-01, -8.25195312e-02, -2.26562500e-01, -2.47070312e-01,
 2.10937500e-01, -1.99218750e-01,  6.12792969e-02, -2.50000000e-01,
 1.44531250e-01,  2.00195312e-01, -3.80859375e-02, -4.02343750e-01,
-9.37500000e-02,  2.59765625e-01,  2.85339355e-03,  2.26562500e-01,
-6.01562500e-01, -1.16699219e-01, -1.18164062e-01,  2.61718750e-01,
-1.85546875e-01, -1.89453125e-01, -2.30712891e-02, -1.84326172e-02,
-6.93359375e-02, -9.71679688e-02, -6.15234375e-02, -1.35742188e-01,
 3.53515625e-01, -1.73828125e-01,  7.71484375e-02, -9.91210938e-02,
 7.51953125e-02, -2.13623047e-02,  2.75390625e-01,  2.34375000e-01,
-3.98437500e-01, -9.03320312e-02,  2.47802734e-02, -7.27539062e-02,
-1.13769531e-01, -8.15429688e-02, -9.52148438e-02,  5.68847656e-02,
-1.07421875e-01, -6.49414062e-02,  2.63671875e-02,  1.03515625e-01,
-7.86132812e-02,  2.89306641e-02,  1.49414062e-01, -3.34472656e-02,
-1.65039062e-01, -1.02539062e-01, -1.39648438e-01, -1.05957031e-01,
-1.32812500e-01, -3.03955078e-02,  1.09375000e-01,  2.34375000e-01,
 3.17382812e-02,  2.11181641e-02,  2.75390625e-01,  1.15722656e-01,
```

```
        -3.49609375e-01,  2.13867188e-01,  7.08007812e-02,  2.89062500e-01,
        -1.54296875e-01,  3.30078125e-01,  1.21582031e-01, -2.39257812e-02,
        -3.92578125e-01,  8.93554688e-02, -3.32031250e-01, -1.44531250e-01,
        -1.80664062e-01,  6.59179688e-02,  6.80541992e-03,  5.11718750e-01,
         2.23632812e-01, -1.09375000e-01, -1.32812500e-01, -6.03027344e-02,
         4.33593750e-01,  7.51953125e-02, -3.10546875e-01, -5.00488281e-03,
        -1.27929688e-01,  4.08203125e-01, -1.18164062e-01,  1.56250000e-01,
        -9.15527344e-03, -1.05468750e-01, -1.16210938e-01, -2.08740234e-0
2],
       dtype=float32),
 'therapist': array([ 1.43554688e-01, -2.51953125e-01, -1.96289062e-01,  3.
22265625e-01,
        -1.86523438e-01,  4.68750000e-01, -9.76562500e-02, -1.26953125e-01,
        -1.92382812e-01, -3.67187500e-01, -5.51757812e-02, -1.69921875e-01,
         1.26953125e-01,  6.68945312e-02,  3.88671875e-01,  4.92187500e-01,
         1.24511719e-01,  3.18359375e-01,  3.12500000e-01, -2.71484375e-01,
         3.73046875e-01,  4.49218750e-01,  5.56640625e-02, -2.20947266e-02,
        -1.17675781e-01, -8.20312500e-02, -4.37011719e-02,  4.23828125e-01,
        -2.06054688e-01, -2.75390625e-01, -7.42187500e-02,  1.19018555e-02,
        -3.78906250e-01, -8.54492188e-02, -2.48046875e-01, -3.55468750e-01,
         2.20703125e-01,  2.96875000e-01,  1.91406250e-01, -3.32031250e-01,
        -1.90429688e-01, -2.92968750e-01,  3.85742188e-02,  7.66601562e-02,
        -9.08203125e-02, -7.32421875e-02,  7.91015625e-02,  1.81884766e-02,
         1.93359375e-01,  5.59082031e-02, -1.90429688e-02,  1.24511719e-02,
        -3.49609375e-01,  9.61914062e-02,  2.01171875e-01, -1.30859375e-01,
        -1.00585938e-01,  8.25195312e-02, -2.01171875e-01, -1.18164062e-01,
        -6.03027344e-02,  2.69531250e-01,  3.75000000e-01,  1.15722656e-01,
         1.28906250e-01,  3.02734375e-01,  1.32812500e-01,  3.14453125e-01,
         1.71875000e-01, -1.15234375e-01,  6.83593750e-02, -6.64062500e-02,
        -1.77734375e-01,  1.85546875e-01,  8.20312500e-02,  9.61914062e-02,
        -1.70898438e-02,  8.54492188e-02,  1.48437500e-01,  2.53906250e-01,
        -1.21459961e-02,  8.34960938e-02, -6.59179688e-02,  4.41894531e-02,
         8.25195312e-02,  7.27539062e-02,  1.11816406e-01,  2.98828125e-01,
        -1.12304688e-01, -1.43554688e-01,  1.11328125e-01,  3.97949219e-02,
        -4.27734375e-01,  1.92382812e-01,  1.72851562e-01, -6.73828125e-02,
         3.78906250e-01, -1.00097656e-01, -1.54296875e-01, -1.19140625e-01,
         1.25000000e-01, -4.00390625e-02,  1.38671875e-01, -7.72094727e-03,
         2.08007812e-01, -2.77343750e-01, -7.66601562e-02,  1.36108398e-02,
         1.03027344e-01, -2.61718750e-01, -4.34570312e-02,  1.32812500e-01,
         1.48437500e-01, -1.72119141e-02,  3.93676758e-03, -1.07910156e-01,
        -8.30078125e-02, -2.85156250e-01,  3.37890625e-01, -2.51464844e-02,
         1.23535156e-01,  2.69531250e-01,  1.30859375e-01, -4.93164062e-02,
        -1.78710938e-01, -3.20312500e-01, -4.33593750e-01,  3.83300781e-02,
         2.40234375e-01,  3.53515625e-01, -1.35742188e-01, -4.43359375e-01,
        -4.21875000e-01, -4.95605469e-02, -6.31713867e-03, -2.36328125e-01,
         1.94335938e-01,  1.73828125e-01, -1.03027344e-01,  2.33398438e-01,
         1.79687500e-01, -2.71484375e-01, -1.99218750e-01, -7.22656250e-02,
        -1.15722656e-01,  2.03125000e-01, -2.35351562e-01,  3.49609375e-01,
        -4.86328125e-01,  6.29882812e-02,  6.75781250e-01,  1.05590820e-02,
         5.64575195e-04,  8.30078125e-03,  8.44726562e-02,  6.83593750e-02,
         8.83789062e-02, -2.26562500e-01,  9.61914062e-02,  8.23974609e-03,
         1.25976562e-01,  2.11914062e-01,  1.87500000e-01,  1.44531250e-01,
        -4.15039062e-02,  2.42187500e-01, -5.51757812e-02, -2.21679688e-01,
         7.86132812e-02,  3.20312500e-01,  1.08886719e-01, -1.72851562e-01,
        -7.08007812e-02,  6.73828125e-02,  1.80664062e-01,  6.59179688e-02,
        -7.95898438e-02,  1.54296875e-01, -2.87109375e-01,  1.16699219e-01,
        -6.34765625e-02, -3.93066406e-02, -2.40234375e-01,  2.72216797e-02,
        -3.65234375e-01, -2.17773438e-01, -2.89306641e-02, -1.18652344e-01,
        -1.25976562e-01, -1.25000000e-01, -1.28906250e-01, -1.81884766e-02,
         1.50146484e-02,  1.61132812e-01,  9.08203125e-02, -1.69921875e-01,
        -4.58984375e-01, -3.16406250e-01, -1.48437500e-01,  6.44531250e-02,
        -3.20312500e-01,  9.57031250e-02, -1.22680664e-02, -8.34960938e-02,
         7.56835938e-02, -1.88476562e-01, -8.49609375e-02,  1.38671875e-01,
         2.81250000e-01, -1.53320312e-01, -1.83593750e-01, -3.57421875e-01,
```

```
        -2.61718750e-01, -1.17187500e-02,  1.79687500e-01, -9.03320312e-02,
        -2.42187500e-01, -6.17675781e-02, -2.98828125e-01, -2.55859375e-01,
         7.66601562e-02,  7.78198242e-03,  2.21679688e-01, -2.75878906e-02,
        -5.49316406e-02, -2.92968750e-01, -9.42382812e-02, -1.66992188e-01,
        -3.75000000e-01, -3.83300781e-02, -7.86132812e-02, -2.85156250e-01,
        -3.45703125e-01, -2.73437500e-01, -5.20019531e-02,  2.06054688e-01,
         3.69262695e-03,  1.48437500e-01, -2.41210938e-01, -1.52343750e-01,
         1.36718750e-01, -1.79687500e-01, -7.37304688e-02, -1.35742188e-01,
         8.74023438e-02,  1.79687500e-01, -1.90429688e-01,  1.27929688e-01,
        -1.42211914e-02, -1.78710938e-01, -1.23535156e-01, -8.78906250e-02,
         1.87500000e-01,  1.78710938e-01,  5.20019531e-02,  2.13867188e-01,
        -2.40234375e-01, -5.19531250e-01, -2.05078125e-02,  2.07031250e-01,
        -3.41796875e-01, -2.21679688e-01, -1.37939453e-02, -4.02343750e-01,
         1.27929688e-01,  6.25000000e-02,  1.10351562e-01,  7.37304688e-02,
         4.37011719e-02,  9.61914062e-02, -6.05468750e-02, -6.22558594e-03,
         2.71484375e-01,  3.20312500e-01,  6.20117188e-02, -1.32812500e-01,
        -2.81250000e-01,  1.53320312e-01,  4.54711914e-03, -1.06445312e-01,
         2.75390625e-01, -1.80664062e-01,  1.55273438e-01,  6.83593750e-02,
         1.16699219e-01, -2.65625000e-01, -1.55273438e-01, -2.61718750e-01,
         7.37304688e-02,  4.60937500e-01,  3.73535156e-02,  1.38671875e-01,
        -1.27929688e-01, -2.91015625e-01, -3.90625000e-02, -2.00195312e-02,
         1.48315430e-02,  4.80957031e-02, -1.87500000e-01,  2.12402344e-0
2],
       dtype=float32),
 'attitude': array([ 0.11328125,  0.24414062,  0.02856445, -0.00570679, -0.
2734375 ,
        -0.03881836,  0.03271484, -0.20019531,  0.00476074,  0.07421875,
         0.08154297, -0.1015625 ,  0.23339844, -0.01116943, -0.28320312,
         0.28125   , -0.05712891,  0.4375    , -0.03100586, -0.23242188,
         0.234375  ,  0.05615234,  0.19238281,  0.19042969,  0.00091934,
         0.11474609, -0.11181641,  0.02075195,  0.19238281,  0.18847656,
        -0.15136719,  0.01831055,  0.11523438,  0.125     ,  0.20117188,
         0.05297852,  0.20214844,  0.10986328,  0.00448608, -0.14941406,
         0.375     , -0.24121094, -0.234375  , -0.02819824, -0.07617188,
        -0.22851562, -0.34960938, -0.0625    , -0.29296875,  0.05249023,
         0.01599121,  0.31640625,  0.02514648, -0.125     ,  0.27929688,
         0.01361084, -0.15039062,  0.06103516, -0.07128906, -0.05126953,
         0.04858398,  0.16308594, -0.24316406,  0.11035156, -0.07324219,
         0.11083984,  0.13867188,  0.12158203, -0.0456543 ,  0.29296875,
        -0.2265625 ,  0.07275391,  0.00473022,  0.26367188, -0.21484375,
        -0.16113281,  0.06298828,  0.26757812,  0.01495361,  0.2421875 ,
         0.09960938, -0.13476562, -0.0703125 , -0.21875   , -0.26171875,
        -0.14160156, -0.15039062,  0.18359375,  0.13964844, -0.25195312,
        -0.07324219,  0.06738281, -0.21582031,  0.02062988,  0.12988281,
        -0.06225586, -0.05566406,  0.35351562, -0.03344727, -0.32421875,
         0.08935547,  0.05761719, -0.12304688,  0.12890625,  0.14550781,
        -0.06347656, -0.14453125, -0.09130859,  0.08837891, -0.10400391,
        -0.13769531, -0.20703125, -0.16894531,  0.16796875, -0.13378906,
        -0.05639648,  0.1484375 , -0.04370117, -0.02160645, -0.05395508,
        -0.375     ,  0.03271484,  0.01403809,  0.19921875, -0.01965332,
         0.04052734, -0.16308594, -0.09375   , -0.2421875 , -0.2421875 ,
        -0.25976562, -0.21289062, -0.06738281,  0.11181641, -0.07910156,
        -0.1640625 , -0.16113281,  0.06982422, -0.12353516,  0.14453125,
         0.13183594,  0.18847656,  0.11621094, -0.13867188, -0.0703125 ,
         0.07080078, -0.03344727, -0.01696777, -0.04663086, -0.08349609,
         0.08691406, -0.04492188, -0.21972656,  0.07861328, -0.33203125,
        -0.22460938, -0.00619507, -0.05859375,  0.14160156, -0.00909424,
         0.09765625,  0.10058594, -0.01904297, -0.02880859, -0.14550781,
        -0.17773438,  0.07617188, -0.05078125,  0.125     , -0.01647949,
         0.08056641,  0.0135498 ,  0.24414062, -0.07177734,  0.0703125 ,
         0.10644531,  0.19726562, -0.19726562,  0.109375  , -0.15429688,
        -0.17480469,  0.00338745,  0.3359375 ,  0.20605469, -0.21777344,
         0.07275391, -0.10595703, -0.01782227, -0.07763672,  0.01208496,
         0.10839844,  0.16992188,  0.03015137,  0.29882812, -0.20019531,
```

```
        -0.14453125,  0.1171875 ,  0.68359375, -0.19921875,  0.32421875,
        -0.26367188,  0.28125   , -0.23730469, -0.13964844,  0.06884766,
        -0.07861328,  0.03735352, -0.11083984,  0.3359375 ,  0.00793457,
        -0.25390625,  0.00224304,  0.24316406,  0.10498047, -0.09570312,
         0.19238281,  0.03564453,  0.25195312, -0.18261719,  0.00521851,
        -0.2265625 , -0.03015137,  0.11474609,  0.13183594, -0.265625  ,
        -0.04956055,  0.29492188, -0.25585938,  0.08349609,  0.25976562,
        -0.07226562,  0.05224609, -0.1015625 , -0.0703125 ,  0.01904297,
        -0.05297852, -0.02160645, -0.05200195,  0.30273438,  0.25585938,
         0.11132812,  0.03515625,  0.19824219, -0.15039062, -0.03735352,
         0.08105469, -0.22558594, -0.16894531,  0.09130859,  0.09179688,
         0.125     ,  0.25195312,  0.00238037,  0.21972656, -0.24609375,
        -0.20117188,  0.07617188,  0.29296875, -0.08789062,  0.12792969,
         0.14941406, -0.14453125, -0.25585938,  0.25976562,  0.29296875,
         0.04223633,  0.07226562, -0.07470703, -0.19921875,  0.07861328,
        -0.04077148,  0.16894531,  0.12011719,  0.15820312, -0.12597656,
         0.09619141, -0.17382812,  0.27148438,  0.02319336, -0.01574707,
         0.17382812,  0.02575684,  0.05639648, -0.00765991, -0.13867188,
        -0.06298828,  0.04638672,  0.04223633,  0.08935547,  0.31445312,
        -0.42773438,  0.17285156, -0.01043701, -0.15527344, -0.08789062,
        -0.08349609,  0.31835938, -0.00741577,  0.02355957,  0.19140625],
       dtype=float32),
 'participate': array([-0.18847656,  0.02709961, -0.02587891,  0.19726562,
-0.04443359,
         0.29882812,  0.0859375 , -0.109375  ,  0.02722168, -0.16796875,
        -0.21777344,  0.04492188, -0.03369141,  0.10498047,  0.06835938,
         0.22851562,  0.16894531, -0.04614258, -0.13378906,  0.08837891,
         0.00866699,  0.22460938, -0.12988281,  0.33398438, -0.07128906,
        -0.08691406, -0.20214844, -0.05224609, -0.04199219, -0.23828125,
         0.01831055,  0.0402832 ,  0.01635742, -0.03320312,  0.27539062,
         0.05786133,  0.05249023, -0.265625  ,  0.06738281,  0.17285156,
        -0.05322266,  0.30859375,  0.03833008,  0.05566406, -0.14648438,
         0.07421875, -0.48242188, -0.12597656, -0.2578125 ,  0.18847656,
        -0.07958984,  0.00994873,  0.08007812,  0.03637695, -0.17480469,
        -0.25976562,  0.08300781, -0.22167969,  0.09667969, -0.24121094,
         0.28320312, -0.40625   ,  0.10058594,  0.078125  , -0.04321289,
        -0.18164062, -0.20800781,  0.12304688,  0.17675781,  0.30664062,
        -0.08544922, -0.16308594,  0.3359375 ,  0.21679688,  0.39453125,
        -0.3515625 ,  0.06298828, -0.19335938,  0.16796875,  0.20019531,
        -0.02783203, -0.01330566, -0.0456543 ,  0.15820312,  0.03930664,
        -0.01000977, -0.0480957 , -0.18554688,  0.23925781,  0.03979492,
         0.27734375, -0.27929688,  0.08886719, -0.4140625 ,  0.30859375,
         0.04199219,  0.23339844,  0.03491211, -0.23632812, -0.265625  ,
        -0.05712891, -0.16601562, -0.05712891,  0.11474609, -0.11083984,
        -0.28710938,  0.05859375, -0.33398438, -0.0625    , -0.04174805,
        -0.14550781,  0.04516602, -0.03930664, -0.21875   ,  0.15625   ,
         0.0291748 ,  0.16601562, -0.22070312,  0.15039062, -0.01721191,
         0.21777344, -0.02490234, -0.15722656,  0.38085938,  0.06225586,
         0.09619141,  0.06445312,  0.00349426, -0.01818848,  0.28515625,
        -0.10546875, -0.01055908, -0.02880859, -0.07861328,  0.03588867,
        -0.06005859,  0.05395508, -0.06152344, -0.03417969, -0.05322266,
        -0.16113281,  0.02368164, -0.03198242, -0.11914062, -0.12402344,
         0.02111816,  0.01745605, -0.1796875 , -0.01464844, -0.23046875,
         0.19042969,  0.18457031, -0.08740234,  0.08740234,  0.21289062,
        -0.11669922,  0.07568359, -0.37890625,  0.15917969,  0.03955078,
         0.171875  ,  0.03613281, -0.12451172, -0.02514648,  0.10107422,
        -0.02160645,  0.18164062, -0.05712891,  0.26171875, -0.0168457 ,
        -0.24902344, -0.2109375 ,  0.15527344, -0.28710938,  0.15039062,
        -0.15527344, -0.01831055, -0.05224609, -0.22753906, -0.01287842,
        -0.16113281, -0.05883789, -0.0072937 ,  0.05419922,  0.08496094,
         0.13574219,  0.265625  , -0.11865234, -0.06689453, -0.04077148,
         0.19433594,  0.0480957 , -0.10693359, -0.17773438,  0.09082031,
        -0.03369141,  0.3046875 ,  0.07470703, -0.02758789, -0.203125  ,
         0.08398438, -0.15625   , -0.08154297, -0.15136719, -0.26367188,
```

```
        -0.25390625, -0.02270508, -0.03063965, -0.06396484,  0.08007812,
         0.13378906,  0.33203125,  0.08447266,  0.13378906, -0.10595703,
         0.05493164,  0.02819824, -0.20800781, -0.00982666, -0.38476562,
         0.05859375, -0.12695312, -0.26953125,  0.0559082 ,  0.08496094,
         0.05688477,  0.27148438, -0.10644531,  0.21386719, -0.140625  ,
         0.17480469,  0.01855469, -0.08349609,  0.05786133,  0.20605469,
        -0.14453125,  0.13085938,  0.01953125,  0.11669922, -0.11669922,
        -0.25976562,  0.06445312, -0.22363281,  0.1875    , -0.01422119,
        -0.04125977,  0.04248047,  0.171875  ,  0.00460815, -0.30859375,
        -0.0213623 , -0.09619141, -0.02661133, -0.06982422, -0.06640625,
         0.05834961,  0.328125  , -0.05395508, -0.09277344,  0.00460815,
         0.11376953, -0.08642578, -0.09765625,  0.08935547,  0.34765625,
         0.1875    ,  0.04736328,  0.46875   , -0.03417969,  0.078125  ,
         0.04370117,  0.29101562,  0.0456543 ,  0.02282715,  0.13476562,
        -0.47265625, -0.10253906,  0.0300293 , -0.11669922,  0.05932617,
         0.24414062,  0.04443359,  0.05297852, -0.05395508,  0.11767578,
        -0.13964844,  0.16113281, -0.12792969, -0.04711914, -0.14941406,
        -0.03417969,  0.13671875,  0.10107422,  0.0324707 ,  0.06787109,
        -0.08251953, -0.03540039,  0.06225586,  0.12890625, -0.16699219],
       dtype=float32),
 'wide': array([-1.81884766e-02, -2.24609375e-02,  1.55639648e-02,  1.66015
625e-01,
        -3.36914062e-02, -2.61718750e-01,  1.09252930e-02, -2.23632812e-01,
         1.28906250e-01,  1.80664062e-01, -5.46264648e-03, -4.85839844e-02,
         8.34960938e-02, -1.26953125e-01,  1.67968750e-01, -1.71875000e-01,
         1.03027344e-01,  1.70898438e-01, -2.23388672e-02,  6.64062500e-02,
         5.27343750e-02,  5.44433594e-02, -1.14135742e-02,  1.59179688e-01,
         7.71484375e-02, -5.85937500e-02, -3.47656250e-01,  4.58984375e-02,
         3.22265625e-01, -1.90429688e-01, -3.78906250e-01,  2.83203125e-01,
         8.64257812e-02, -2.35595703e-02, -4.02832031e-03, -3.71093750e-02,
        -1.36108398e-02, -3.83300781e-02, -1.00097656e-01,  1.93359375e-01,
         2.69775391e-02, -1.50390625e-01,  6.74438477e-03, -4.44335938e-02,
        -1.29882812e-01,  1.71875000e-01, -1.53320312e-01, -8.39843750e-02,
         1.67968750e-01, -1.41601562e-01,  1.04492188e-01, -8.44726562e-02,
         9.15527344e-03,  1.68457031e-02, -2.06054688e-01,  2.40234375e-01,
         1.59179688e-01, -1.97265625e-01, -1.13525391e-02, -1.03027344e-01,
        -1.19628906e-01,  6.22558594e-03, -1.57226562e-01, -2.61718750e-01,
         2.08984375e-01,  2.64892578e-02,  1.77734375e-01, -2.46582031e-02,
         7.03125000e-02,  1.43554688e-01, -3.36914062e-02, -1.72851562e-01,
         3.67187500e-01,  5.78613281e-02, -2.30468750e-01,  3.89099121e-03,
        -2.50244141e-02, -1.10351562e-01,  7.03125000e-02,  2.19726562e-01,
        -4.24804688e-02, -1.09863281e-01, -9.66796875e-02, -1.69677734e-02,
         1.09375000e-01, -9.27734375e-02, -1.52343750e-01, -8.98437500e-02,
         8.69140625e-02,  1.40625000e-01,  4.37011719e-02,  7.91015625e-02,
         3.80859375e-02,  1.78710938e-01, -1.49536133e-02, -9.47265625e-02,
        -5.95703125e-02,  8.91113281e-03, -6.25000000e-02,  1.88476562e-01,
        -6.15234375e-02, -2.51953125e-01, -4.73632812e-02, -9.96093750e-02,
         5.83496094e-02,  1.55273438e-01, -1.78710938e-01, -6.50024414e-03,
         1.22070312e-01, -3.75000000e-01, -1.52343750e-01, -1.32751465e-03,
        -3.10546875e-01, -2.11914062e-01,  1.76757812e-01,  7.22656250e-02,
         6.59179688e-02,  3.39355469e-02,  3.05175781e-02, -9.71679688e-02,
        -4.49218750e-02, -8.88671875e-02, -2.63671875e-01,  1.30859375e-01,
         1.25000000e-01, -2.34375000e-02,  9.91210938e-02,  7.76367188e-02,
         5.51757812e-02,  1.32812500e-01,  1.49536133e-03,  1.89453125e-01,
         1.17187500e-01, -1.20849609e-02, -2.91748047e-02, -6.54296875e-02,
         2.30712891e-02,  1.76757812e-01,  3.39843750e-01, -5.39550781e-02,
        -9.27734375e-02,  3.66210938e-02,  1.21582031e-01,  1.07421875e-02,
        -1.65039062e-01, -1.89453125e-01, -2.15820312e-01,  1.03149414e-02,
        -1.68945312e-01,  2.48046875e-01,  1.28906250e-01, -5.68847656e-02,
        -2.41699219e-02,  2.14843750e-01,  1.01562500e-01,  1.72851562e-01,
         3.71093750e-02, -1.77734375e-01, -3.68652344e-02, -1.25976562e-01,
        -1.82617188e-01,  1.21582031e-01,  6.93359375e-02, -2.46093750e-01,
        -4.07714844e-02,  2.50000000e-01, -1.68457031e-02, -3.32031250e-02,
        -1.57226562e-01, -2.67578125e-01,  1.66992188e-01, -1.32812500e-01,
```

```
        -1.16210938e-01, -2.48046875e-01,  2.77343750e-01, -4.27246094e-02,
         1.87988281e-02, -2.50000000e-01, -1.15234375e-01, -1.54296875e-01,
        -2.27539062e-01,  4.24804688e-02,  1.31835938e-02,  1.47460938e-01,
        -9.96093750e-02,  1.03027344e-01,  4.68750000e-02, -7.14111328e-03,
         1.31835938e-01,  1.36718750e-01,  2.55859375e-01, -2.25585938e-01,
         2.17773438e-01, -1.18164062e-01, -1.46484375e-01, -1.62353516e-02,
         9.70458984e-03,  6.64062500e-02, -1.72851562e-01,  1.35498047e-02,
         1.67968750e-01, -1.41601562e-01,  2.00195312e-01, -7.22656250e-02,
         3.76953125e-01,  1.89453125e-01,  1.51367188e-01, -6.25000000e-02,
        -1.84570312e-01,  2.09960938e-01, -1.49414062e-01,  1.84570312e-01,
         7.08007812e-02,  1.04980469e-01, -9.71679688e-02, -3.80859375e-02,
         1.55273438e-01, -7.37304688e-02, -1.10839844e-01,  3.26171875e-01,
         1.66992188e-01, -2.96875000e-01, -9.61914062e-02, -1.79687500e-01,
        -5.90820312e-02,  1.62109375e-01,  5.71289062e-02, -1.62109375e-01,
         2.67578125e-01, -1.29882812e-01, -7.71484375e-02, -3.78417969e-02,
         1.24511719e-01, -2.46582031e-02, -3.63769531e-02, -3.49121094e-02,
         1.86767578e-02, -1.29882812e-01,  6.78710938e-02,  2.34375000e-01,
        -1.29394531e-02, -1.29882812e-01, -2.42614746e-03,  3.22341919e-04,
        -1.82617188e-01, -1.06201172e-02, -3.63769531e-02,  2.38037109e-02,
         1.87988281e-02, -3.15856934e-03,  8.17871094e-03, -3.54003906e-02,
         1.21093750e-01,  1.07421875e-01,  2.83203125e-01, -2.59765625e-01,
        -1.48315430e-02,  3.54003906e-02, -1.24023438e-01,  1.88476562e-01,
        -5.79833984e-03,  1.10351562e-01, -3.04687500e-01, -1.35742188e-01,
         1.79687500e-01, -9.47265625e-02,  2.31933594e-02, -1.10351562e-01,
        -1.00097656e-01, -2.12402344e-02, -1.48437500e-01,  2.92968750e-02,
        -6.88476562e-02,  7.27539062e-02, -3.27148438e-02, -1.12792969e-01,
        -7.03125000e-02, -2.00195312e-01,  2.39257812e-01,  2.71484375e-01,
        -1.17187500e-01,  1.30859375e-01, -2.42187500e-01,  1.40625000e-01,
         3.28063965e-04,  1.95312500e-01,  2.06298828e-02,  4.71191406e-02,
        -5.27343750e-02, -4.83398438e-02, -1.11328125e-01, -4.78515625e-02,
        -1.59179688e-01,  1.27929688e-01, -4.15039062e-02,  1.09863281e-01,
         1.95312500e-01,  1.06445312e-01, -1.58203125e-01, -1.66992188e-0
1],
       dtype=float32),
 'designated': array([-1.98974609e-02, -9.08203125e-02,  2.45117188e-01,
2.14843750e-01,
        -1.86523438e-01, -2.85156250e-01, -3.57421875e-01, -3.56445312e-02,
         2.38281250e-01, -2.17773438e-01,  2.34375000e-01,  2.91748047e-02,
         6.59179688e-03, -6.10351562e-03, -4.76074219e-03, -3.85742188e-02,
        -1.45507812e-01, -2.07031250e-01, -7.91015625e-02,  2.89306641e-02,
         1.00585938e-01,  1.57226562e-01, -3.06640625e-01,  1.46484375e-01,
        -1.32446289e-02, -6.25000000e-02, -1.52343750e-01,  8.54492188e-02,
        -1.64062500e-01,  1.49414062e-01,  7.51953125e-02, -7.32421875e-02,
         1.37695312e-01, -6.44531250e-02, -3.75000000e-01, -6.88476562e-02,
        -1.69677734e-02, -2.38281250e-01,  4.54101562e-02, -7.95898438e-02,
         5.98144531e-02, -1.38671875e-01,  1.59179688e-01, -2.98828125e-01,
         6.39648438e-02, -1.84570312e-01,  1.70898438e-01, -2.28271484e-02,
        -1.64062500e-01, -2.47070312e-01, -2.51953125e-01,  8.44726562e-02,
        -3.72314453e-03,  8.88671875e-02, -1.99218750e-01,  2.51464844e-02,
        -4.39453125e-02, -1.85546875e-01,  8.20312500e-02,  2.32421875e-01,
        -2.40234375e-01,  4.78515625e-02, -4.57763672e-03, -2.92968750e-01,
        -3.83300781e-02, -3.12500000e-02, -2.10937500e-01, -8.17871094e-03,
        -1.95312500e-01, -3.80859375e-02,  1.05957031e-01, -2.46582031e-02,
         1.75781250e-01, -1.02050781e-01, -1.00097656e-02, -2.17773438e-01,
         1.67968750e-01,  9.37500000e-02, -6.54296875e-02,  1.16699219e-01,
         6.88476562e-02, -1.49414062e-01, -3.66210938e-03,  1.28906250e-01,
        -1.42578125e-01, -4.98046875e-02,  2.26562500e-01, -9.27734375e-02,
         1.71875000e-01, -2.68554688e-02,  1.74804688e-01, -2.12890625e-01,
         1.23535156e-01, -8.15429688e-02,  2.06054688e-01,  7.76367188e-02,
         2.49023438e-01,  1.64062500e-01, -9.91210938e-02, -2.42919922e-02,
         1.46484375e-01,  1.58203125e-01, -2.13623047e-02,  2.87109375e-01,
         2.39257812e-02, -6.78710938e-02, -4.12597656e-02, -2.32421875e-01,
        -8.54492188e-03,  2.77343750e-01, -1.52343750e-01, -1.24511719e-01,
         1.32446289e-02, -6.25000000e-02,  5.63964844e-02, -8.72802734e-03,
```

```
         1.32812500e-01, -1.01074219e-01,  4.21875000e-01, -1.79687500e-01,
        -1.85546875e-01, -3.14941406e-02,  6.22558594e-02,  2.59765625e-01,
        -5.61523438e-02,  2.47070312e-01,  2.73437500e-01, -7.47070312e-02,
         2.51953125e-01,  8.78906250e-02,  2.41210938e-01, -3.83300781e-02,
         9.61914062e-02,  7.76367188e-02, -1.50390625e-01, -2.81250000e-01,
        -4.12109375e-01,  7.86132812e-02,  6.05468750e-02, -3.17382812e-02,
         4.66308594e-02,  2.77343750e-01,  1.76239014e-03, -3.88671875e-01,
         1.37695312e-01, -1.25976562e-01, -8.59375000e-02,  1.26953125e-01,
        -7.95898438e-02, -4.05273438e-02, -1.74560547e-02,  8.78906250e-02,
        -3.22265625e-02, -2.32421875e-01, -3.83300781e-02,  1.79687500e-01,
         1.25000000e-01,  9.52148438e-02, -1.31835938e-01, -2.31933594e-02,
         8.00781250e-02,  7.37304688e-02,  1.19628906e-01,  3.12500000e-02,
        -2.34375000e-01,  5.05371094e-02,  2.24609375e-01, -4.29687500e-02,
         3.01513672e-02, -2.77343750e-01, -2.21679688e-01, -1.35742188e-01,
         1.15722656e-01, -1.25976562e-01,  2.10937500e-01,  1.59179688e-01,
         1.23046875e-01, -3.08593750e-01, -1.49414062e-01, -1.17187500e-01,
        -2.05078125e-01, -1.41601562e-01,  1.01562500e-01, -1.30653381e-04,
         3.17382812e-02,  5.05371094e-02, -4.46777344e-02,  3.06396484e-02,
         1.04980469e-01,  3.22265625e-01, -2.00195312e-01, -7.76367188e-02,
         3.29589844e-02, -2.96630859e-02, -1.49414062e-01,  5.07812500e-02,
         1.42578125e-01, -1.91406250e-01, -3.14331055e-03, -1.36718750e-01,
         2.15820312e-01,  2.06298828e-02, -3.58886719e-02, -2.36328125e-01,
        -1.67968750e-01, -1.20605469e-01,  9.66796875e-02,  2.23632812e-01,
         1.64062500e-01, -8.44726562e-02,  2.99072266e-02, -3.93066406e-02,
        -1.88476562e-01,  1.37695312e-01,  1.46484375e-01,  1.21582031e-01,
        -4.32128906e-02,  1.64794922e-02,  1.94091797e-02, -2.28515625e-01,
        -1.14135742e-02, -1.00585938e-01, -1.02539062e-01,  2.08740234e-02,
         1.42578125e-01,  2.45117188e-01,  6.49414062e-02,  3.32031250e-01,
         1.90429688e-01, -1.24023438e-01, -1.20605469e-01, -9.91210938e-02,
         6.25000000e-02,  2.26562500e-01,  9.81445312e-02, -8.20312500e-02,
         5.98144531e-02, -9.71679688e-02,  1.28906250e-01, -6.17675781e-02,
        -9.96093750e-02,  3.08837891e-02,  1.14746094e-01, -1.76757812e-01,
        -2.14843750e-01, -4.15039062e-02,  2.18750000e-01,  8.15429688e-02,
         2.02636719e-02, -3.20312500e-01, -2.77099609e-02, -6.98242188e-02,
        -6.29882812e-02,  7.37304688e-02,  1.89453125e-01, -2.08740234e-02,
        -2.26562500e-01, -2.20703125e-01, -1.75781250e-01, -1.44653320e-02,
        -1.17675781e-01, -1.42578125e-01, -1.00585938e-01, -9.86328125e-02,
         2.32421875e-01, -8.78906250e-02, -2.08740234e-02,  1.54296875e-01,
        -1.41601562e-01, -9.32617188e-02, -5.46875000e-02, -2.27539062e-01,
         7.08007812e-02,  6.00585938e-02, -4.18090820e-03, -3.10546875e-01,
        -2.61718750e-01, -1.89453125e-01, -2.50000000e-01, -2.11181641e-02,
        -1.25976562e-01,  1.36718750e-01,  2.35351562e-01, -4.78515625e-02,
         1.78710938e-01,  1.25976562e-01, -3.14453125e-01,  6.68945312e-02,
         1.23046875e-01, -1.18652344e-01,  4.17480469e-02, -9.27734375e-02,
        -3.08837891e-02, -2.45117188e-01,  1.13281250e-01,  1.53808594e-02,
        -1.96533203e-02, -8.78906250e-02,  7.44628906e-03, -4.54101562e-0
2],
       dtype=float32),
 'good': array([ 0.04052734,  0.0625    , -0.01745605,  0.07861328,  0.0327
1484,
        -0.01263428,  0.00964355,  0.12353516, -0.02148438,  0.15234375,
        -0.05834961, -0.10644531,  0.02124023,  0.13574219, -0.13183594,
         0.17675781,  0.27148438,  0.13769531, -0.17382812, -0.14160156,
        -0.03076172,  0.19628906, -0.03295898,  0.125     ,  0.25390625,
         0.12695312, -0.15234375,  0.03198242,  0.01135254, -0.01361084,
        -0.12890625,  0.01019287,  0.23925781, -0.08447266,  0.140625  ,
         0.13085938, -0.04516602,  0.06494141,  0.02539062,  0.05615234,
         0.24609375, -0.20507812,  0.23632812, -0.00860596, -0.02294922,
         0.05078125,  0.10644531, -0.03564453,  0.08740234, -0.05712891,
         0.08496094,  0.23535156, -0.10107422, -0.03564453, -0.04736328,
         0.04736328, -0.14550781, -0.10986328,  0.14746094, -0.23242188,
        -0.07275391,  0.19628906, -0.37890625, -0.07226562,  0.04833984,
         0.11914062,  0.06103516, -0.12109375, -0.27929688,  0.05200195,
         0.04907227, -0.02709961,  0.1328125 ,  0.03369141, -0.32226562,
```

```
         0.04223633, -0.08789062,  0.15429688,  0.09472656,  0.10351562,
        -0.02856445,  0.00128174, -0.00427246,  0.24609375, -0.05957031,
        -0.16894531, -0.09619141,  0.16796875,  0.0133667 ,  0.04882812,
         0.08349609,  0.06347656, -0.00872803, -0.08642578, -0.03857422,
        -0.08251953,  0.15722656,  0.22753906, -0.00762939, -0.19921875,
        -0.06347656,  0.12792969, -0.06347656, -0.03027344,  0.0456543 ,
         0.06298828, -0.02526855, -0.06787109, -0.01141357, -0.13574219,
         0.02978516,  0.10400391, -0.15917969, -0.08447266,  0.29882812,
        -0.12597656,  0.11425781, -0.08105469, -0.09082031, -0.07910156,
        -0.11181641, -0.09619141,  0.02770996,  0.14257812, -0.26757812,
        -0.09375   ,  0.03979492, -0.17871094, -0.02819824,  0.01464844,
        -0.31640625, -0.24511719, -0.08935547,  0.09716797, -0.00964355,
        -0.14746094,  0.15234375,  0.21582031,  0.05981445,  0.23828125,
        -0.05151367,  0.14941406,  0.13574219, -0.03222656, -0.265625  ,
        -0.11181641, -0.23046875, -0.140625  ,  0.25585938, -0.15429688,
         0.1796875 ,  0.15527344, -0.21582031,  0.36328125, -0.1015625 ,
         0.04980469,  0.07177734, -0.14550781, -0.03198242,  0.00952148,
        -0.12109375,  0.12109375,  0.09765625,  0.07763672,  0.3203125 ,
        -0.22265625, -0.08447266, -0.10742188,  0.11279297, -0.13867188,
        -0.21875   ,  0.0145874 ,  0.13378906, -0.00921631,  0.00921631,
         0.16894531,  0.16894531, -0.078125  , -0.00665283,  0.03735352,
        -0.10888672, -0.25390625,  0.01452637, -0.09716797, -0.19628906,
        -0.01782227, -0.28125   , -0.02050781, -0.02905273, -0.09375   ,
        -0.17675781,  0.21484375, -0.05224609, -0.11572266, -0.01977539,
        -0.10839844, -0.01342773, -0.15332031, -0.140625  , -0.11816406,
         0.09228516,  0.109375  ,  0.05761719, -0.03466797,  0.03564453,
        -0.12011719, -0.14257812, -0.00072479, -0.06689453,  0.11914062,
        -0.10449219,  0.07861328, -0.12792969,  0.09570312, -0.00817871,
         0.07128906,  0.20703125, -0.03149414,  0.09570312,  0.17285156,
        -0.07958984, -0.02429199, -0.07519531, -0.07568359,  0.09521484,
        -0.06494141, -0.00689697, -0.09033203,  0.03100586,  0.19921875,
        -0.10644531, -0.11474609,  0.18652344, -0.05078125,  0.0859375 ,
         0.00128937, -0.18847656, -0.20019531, -0.02832031,  0.11328125,
         0.25976562,  0.22070312,  0.04101562,  0.00171661,  0.07568359,
        -0.01196289,  0.0177002 , -0.05883789, -0.25976562, -0.234375  ,
        -0.04956055,  0.25976562,  0.15332031,  0.15136719,  0.08300781,
        -0.15527344,  0.04931641,  0.07519531, -0.05078125, -0.1328125 ,
        -0.13574219,  0.04199219, -0.14257812,  0.02099609,  0.07861328,
         0.01611328,  0.01623535, -0.21582031,  0.01599121, -0.04882812,
        -0.02404785,  0.13476562,  0.08496094, -0.01196289,  0.10009766,
        -0.13867188,  0.08056641, -0.22070312, -0.12011719,  0.18945312,
         0.05444336, -0.05053711,  0.00147247,  0.14160156, -0.06494141,
        -0.05566406, -0.09033203, -0.0267334 , -0.10498047,  0.02416992,
         0.01422119,  0.1875    , -0.16503906,  0.01538086, -0.04174805,
         0.05444336, -0.01184082, -0.15625   ,  0.00193024, -0.06982422],
       dtype=float32),
 'status': array([ 9.13085938e-02,  8.83789062e-02,  3.88183594e-02,  8.691
40625e-02,
        -1.92382812e-01, -2.28881836e-03,  1.69921875e-01, -4.06250000e-01,
         8.30078125e-02, -6.00585938e-02,  1.08398438e-01, -2.25585938e-01,
         1.92382812e-01,  3.14453125e-01, -1.34765625e-01,  1.14135742e-02,
         2.09960938e-01,  2.31445312e-01,  1.54296875e-01, -2.18505859e-02,
        -1.55273438e-01, -1.01074219e-01, -3.61328125e-01,  1.85546875e-01,
        -1.16210938e-01, -1.61132812e-01, -2.83203125e-01,  3.78906250e-01,
        -4.39453125e-02,  2.17773438e-01,  1.40625000e-01,  2.07519531e-03,
         7.42187500e-02, -3.02734375e-01, -8.49609375e-02,  1.83105469e-02,
         1.02539062e-01,  1.81640625e-01,  4.46777344e-02, -3.45703125e-01,
        -1.66015625e-01,  1.54418945e-02,  1.74804688e-01,  1.42578125e-01,
         1.86523438e-01, -1.66992188e-01,  5.46875000e-02,  1.56250000e-01,
        -1.27929688e-01,  5.15136719e-02, -1.91406250e-01,  3.58886719e-02,
         1.42578125e-01,  1.90429688e-01, -7.66601562e-02, -4.00390625e-02,
        -4.00390625e-02, -1.01562500e-01, -1.00097656e-01,  2.05078125e-02,
         1.69921875e-01,  1.03515625e-01, -1.19140625e-01,  4.02832031e-02,
        -1.33789062e-01, -5.53131104e-04,  2.87109375e-01,  7.95898438e-02,
```

```
        -1.72851562e-01, -1.91406250e-01, -2.31933594e-02,  1.57226562e-01,
         5.12695312e-02, -1.51824951e-03,  5.17578125e-02, -3.78906250e-01,
         2.01171875e-01,  1.15234375e-01,  1.59179688e-01,  1.92382812e-01,
        -3.01513672e-02, -1.59179688e-01,  3.05175781e-02, -9.32617188e-02,
         1.38671875e-01, -1.42578125e-01, -2.33154297e-02, -1.65039062e-01,
        -7.61718750e-02, -3.00781250e-01,  5.93261719e-02, -1.10351562e-01,
        -3.56445312e-02, -3.10546875e-01,  3.57421875e-01,  2.92968750e-01,
        -9.13085938e-02, -1.63085938e-01,  1.23046875e-01, -2.05078125e-01,
         7.27539062e-02,  1.08886719e-01, -7.47070312e-02, -1.34765625e-01,
        -8.98437500e-02, -2.40234375e-01, -3.24218750e-01, -2.61230469e-02,
        -4.17480469e-02, -3.05175781e-02,  1.31835938e-02,  2.02148438e-01,
        -1.27410889e-03, -4.12597656e-02, -2.75390625e-01, -1.19628906e-02,
         4.32128906e-02,  6.49414062e-02,  2.77343750e-01, -1.39160156e-02,
        -9.57031250e-02, -4.71191406e-02,  1.21093750e-01,  2.63671875e-01,
         2.71484375e-01,  4.33593750e-01,  3.66210938e-02,  1.13769531e-01,
        -1.42578125e-01, -1.03515625e-01,  2.57812500e-01,  8.88671875e-02,
        -4.27246094e-02, -1.49414062e-01, -3.22265625e-02, -2.83203125e-01,
         3.54003906e-02,  1.63085938e-01, -7.42187500e-02,  1.15722656e-01,
         2.26562500e-01,  5.02929688e-02,  4.41894531e-02,  4.22363281e-02,
         2.73437500e-01, -1.73828125e-01,  2.79541016e-02, -8.44726562e-02,
        -8.64257812e-02,  7.47070312e-02,  8.10546875e-02,  1.65039062e-01,
        -2.11914062e-01, -3.75976562e-02, -6.78710938e-02,  2.42919922e-02,
         1.54418945e-02, -1.11816406e-01, -2.92968750e-02, -2.81250000e-01,
        -6.83593750e-02, -1.53541565e-04,  3.12500000e-01, -4.49218750e-02,
        -4.43359375e-01, -1.16210938e-01, -1.41601562e-01, -1.00097656e-01,
        -1.60156250e-01,  1.76757812e-01, -3.66210938e-02, -1.59179688e-01,
         2.71484375e-01, -6.44531250e-02,  7.78198242e-03, -3.14941406e-02,
        -6.88476562e-02, -2.77343750e-01,  3.39355469e-02, -6.12792969e-02,
        -1.04003906e-01, -2.07031250e-01,  5.59082031e-02, -1.35742188e-01,
         8.05664062e-02, -4.17480469e-02, -5.68847656e-02, -8.98437500e-02,
         1.58203125e-01,  2.16796875e-01,  3.34472656e-02, -2.27539062e-01,
        -1.15722656e-01, -4.46777344e-02,  8.20312500e-02,  1.09863281e-01,
        -1.81640625e-01,  2.30468750e-01,  2.06054688e-01,  1.68457031e-02,
        -1.03515625e-01,  3.63769531e-02,  4.00390625e-02, -1.40991211e-02,
         4.90722656e-02,  7.32421875e-02, -8.59375000e-02,  4.27246094e-02,
         3.20312500e-01, -6.49414062e-02, -5.66406250e-02,  3.68652344e-02,
         4.71191406e-02,  1.07910156e-01, -1.39770508e-02,  1.18408203e-02,
         1.86920166e-04,  1.11328125e-01,  3.78417969e-03, -6.78710938e-02,
        -1.71875000e-01,  6.93359375e-02, -2.11914062e-01,  1.36718750e-01,
         1.62109375e-01, -7.86132812e-02, -8.20312500e-02,  5.59082031e-02,
        -1.09375000e-01,  9.13085938e-02, -1.66015625e-02, -5.32226562e-02,
        -1.53320312e-01, -2.73437500e-01,  3.12500000e-01, -3.86718750e-01,
         8.64257812e-02, -3.35937500e-01,  1.99218750e-01, -1.04980469e-01,
        -1.26953125e-01, -1.97265625e-01,  1.12304688e-01, -3.58886719e-02,
        -6.49414062e-02,  3.32031250e-02,  7.81250000e-02, -2.69531250e-01,
        -3.75976562e-02, -8.49609375e-02,  1.69921875e-01,  1.75781250e-01,
         1.32812500e-01,  1.62353516e-02, -2.40234375e-01,  5.02929688e-02,
         1.23046875e-01,  6.98242188e-02, -1.69921875e-01,  1.19628906e-01,
         4.08203125e-01, -1.74804688e-01, -2.58789062e-02,  3.08593750e-01,
         2.38281250e-01,  2.02148438e-01,  1.19140625e-01,  7.17773438e-02,
        -2.30712891e-02, -3.30078125e-01,  8.25195312e-02, -1.51367188e-01,
         9.96093750e-02,  2.10937500e-01, -2.50000000e-01, -4.54101562e-02,
        -2.18750000e-01, -4.25781250e-01, -1.03515625e-01,  7.32421875e-02,
         9.81445312e-02,  2.24609375e-02,  1.53198242e-02,  2.67578125e-01,
        -5.44433594e-02, -6.15234375e-02, -1.62109375e-01, -7.32421875e-02,
        -3.58886719e-02, -2.38281250e-01, -6.39648438e-02,  1.37695312e-01,
        -1.02539062e-01, -2.55859375e-01,  8.74023438e-02,  1.32812500e-01,
         5.68389893e-04,  8.44726562e-02,  9.13085938e-02, -7.42187500e-0
2],
       dtype=float32),
 'performs': array([ 1.26953125e-01,  1.80664062e-01, -1.48437500e-01, -2.1
9726562e-01,
        -1.98242188e-01,  1.24511719e-01,  4.98046875e-02, -1.55273438e-01,
         2.31445312e-01, -1.67968750e-01, -1.30859375e-01,  1.09375000e-01,
```

```
 1.00097656e-01,  1.25976562e-01,  1.45507812e-01,  3.94531250e-01,
-2.24609375e-01,  4.47265625e-01, -1.38671875e-01, -1.55273438e-01,
-2.65625000e-01,  1.30859375e-01, -2.13867188e-01,  2.29492188e-01,
-1.70898438e-01, -2.30468750e-01, -3.24218750e-01, -4.00390625e-02,
-3.35937500e-01,  1.72119141e-02,  2.89306641e-02,  6.39648438e-02,
-9.27734375e-02, -6.73828125e-02,  1.74804688e-01, -4.51660156e-02,
-1.78222656e-02,  3.02734375e-01,  1.26953125e-01, -1.28906250e-01,
-8.15429688e-02,  1.07910156e-01, -2.77099609e-02,  2.14843750e-01,
 7.86132812e-02, -4.12597656e-02, -4.80468750e-01, -8.88671875e-02,
 1.17187500e-01, -9.27734375e-02, -1.13281250e-01,  2.65625000e-01,
 2.39257812e-01,  2.70080566e-03,  3.12500000e-02, -2.75390625e-01,
-1.14135742e-02, -4.85839844e-02,  1.14257812e-01,  2.16796875e-01,
 3.00781250e-01,  2.50000000e-01, -1.01562500e-01, -3.32031250e-01,
 3.04687500e-01, -1.39648438e-01,  1.26342773e-02,  1.12915039e-02,
-7.76367188e-02, -1.35742188e-01,  4.27734375e-01, -3.51562500e-01,
 4.21875000e-01,  1.49414062e-01, -2.69775391e-02, -3.24218750e-01,
-1.05957031e-01, -2.61718750e-01, -1.11694336e-02,  5.51757812e-02,
-1.38671875e-01,  7.56835938e-02, -9.61303711e-04,  1.40991211e-02,
-4.94384766e-03, -1.00097656e-01,  1.09863281e-01,  4.95605469e-02,
 1.19018555e-03,  1.92382812e-01, -1.96289062e-01, -4.37500000e-01,
 2.50000000e-01,  9.91210938e-02,  3.75976562e-02, -1.18164062e-01,
 1.36718750e-01, -2.37304688e-01, -6.25000000e-02, -9.61914062e-02,
-1.41601562e-01, -1.98242188e-01,  7.42187500e-02,  6.64062500e-02,
-4.66796875e-01, -3.32031250e-01, -6.00585938e-02, -2.79296875e-01,
-2.53906250e-01,  6.22558594e-02,  1.50390625e-01, -9.86328125e-02,
-1.28906250e-01, -8.78906250e-02, -1.58203125e-01,  2.11914062e-01,
-2.31445312e-01, -3.17382812e-02,  3.28125000e-01, -1.19628906e-01,
 3.82812500e-01, -8.88671875e-02, -3.41796875e-02,  9.76562500e-02,
 3.57421875e-01,  1.62109375e-01,  1.19140625e-01,  2.16796875e-01,
 1.68945312e-01, -1.54296875e-01, -4.19921875e-01, -1.94091797e-02,
 1.39648438e-01, -2.07519531e-02,  2.61230469e-02, -2.26562500e-01,
 2.63671875e-01, -4.24804688e-02, -2.53906250e-01,  1.34887695e-02,
 1.04492188e-01,  5.44433594e-02, -1.67968750e-01,  3.33984375e-01,
 4.39453125e-02,  1.54296875e-01,  1.44531250e-01,  1.75781250e-01,
 1.97265625e-01,  1.75781250e-01,  3.71093750e-02,  3.14453125e-01,
 3.46679688e-02,  1.59179688e-01, -1.28906250e-01, -1.31835938e-01,
-5.29785156e-02, -5.79833984e-03,  1.61132812e-01, -3.69140625e-01,
 7.86132812e-02,  3.08593750e-01,  1.26953125e-01,  2.51953125e-01,
 4.49218750e-02, -2.00195312e-01,  3.78417969e-02, -3.30078125e-01,
-1.08398438e-01, -3.06640625e-01, -2.15820312e-01, -1.90429688e-01,
 2.89062500e-01, -1.73828125e-01,  1.80664062e-02,  6.68945312e-02,
 2.79541016e-02,  9.84191895e-04,  1.02050781e-01,  2.41699219e-02,
-7.42187500e-02,  5.85937500e-02,  1.73828125e-01, -2.05078125e-01,
 1.36108398e-02,  2.16064453e-02,  5.49316406e-02, -1.99218750e-01,
-1.64062500e-01,  9.57031250e-02,  1.95312500e-01,  9.22851562e-02,
 2.47070312e-01, -2.94921875e-01, -3.12500000e-02,  5.24902344e-03,
-3.51562500e-02, -1.62109375e-01,  9.52148438e-02, -2.96630859e-02,
 7.71484375e-02, -1.20239258e-02, -1.87500000e-01,  7.03125000e-02,
-8.64257812e-02,  5.39550781e-02, -7.86132812e-02,  2.13867188e-01,
 3.68652344e-02, -7.28607178e-04,  1.76757812e-01,  2.61718750e-01,
 2.22167969e-02, -1.44531250e-01, -2.83203125e-01, -1.54296875e-01,
 4.12597656e-02,  6.54296875e-02, -1.71875000e-01, -1.54296875e-01,
 1.28906250e-01, -1.44531250e-01, -1.19140625e-01,  3.54003906e-02,
 4.32128906e-02,  1.16699219e-01, -1.92382812e-01,  2.14843750e-02,
-9.42382812e-02,  1.03515625e-01,  6.07910156e-02, -5.22460938e-02,
-2.30468750e-01,  2.16796875e-01, -5.27343750e-02,  1.07421875e-01,
-1.57928467e-03, -3.51562500e-01,  1.62109375e-01,  1.23046875e-01,
-7.08007812e-02,  2.42187500e-01, -2.91015625e-01, -3.08593750e-01,
-1.34765625e-01, -2.63671875e-01, -1.66992188e-01,  5.37109375e-02,
 1.57226562e-01, -4.12109375e-01, -2.55859375e-01,  6.15234375e-02,
 1.79687500e-01, -3.90625000e-02,  3.95507812e-02,  1.33789062e-01,
-1.27929688e-01, -1.91650391e-02,  9.32617188e-02,  1.75781250e-01,
-1.23046875e-01,  1.13281250e-01,  3.06640625e-01, -3.30078125e-01,
 1.91406250e-01,  9.86328125e-02, -6.68945312e-02, -6.73828125e-02,
```

```
         4.88281250e-04, -2.85644531e-02,  9.96093750e-02, -8.54492188e-02,
        -2.59765625e-01,  1.24511719e-01,  1.85546875e-01, -2.67578125e-01,
        -8.49609375e-02, -4.07714844e-02, -2.08007812e-01, -4.83398438e-02,
        -1.08398438e-01,  1.32812500e-01,  6.22558594e-02,  5.02929688e-02,
         3.26171875e-01, -3.06640625e-01,  3.37890625e-01, -2.94189453e-02,
         1.43554688e-01,  9.88769531e-03,  2.18750000e-01,  8.39843750e-02,
        -3.45703125e-01,  4.19921875e-01, -2.63671875e-01,  5.62500000e-01,
         3.45703125e-01,  8.88671875e-02,  1.76757812e-01,  1.96289062e-0
1],
       dtype=float32),
 'hold': array([ 1.24511719e-02, -5.32226562e-02,  1.34765625e-01,  3.49121
094e-02,
        -1.09375000e-01, -1.66015625e-01,  9.81445312e-02, -2.51464844e-02,
         2.40234375e-01,  1.14746094e-01, -2.67578125e-01,  4.49218750e-02,
        -8.64257812e-02,  1.56250000e-01, -2.55859375e-01,  3.33984375e-01,
         1.99218750e-01,  1.04492188e-01, -6.88476562e-02,  4.44335938e-02,
        -2.70996094e-02, -8.30078125e-02,  1.94335938e-01,  2.16796875e-01,
         2.13867188e-01, -7.47680664e-03,  1.77001953e-02,  1.08642578e-02,
        -1.24511719e-01, -1.72851562e-01,  1.77734375e-01,  9.32617188e-02,
        -2.92968750e-01, -1.24511719e-02, -5.37109375e-03, -4.05273438e-02,
         1.33789062e-01,  4.27246094e-02, -2.94494629e-03, -4.54101562e-02,
         7.61718750e-02,  2.30712891e-02,  6.49414062e-02, -1.87500000e-01,
        -1.12304688e-02, -1.32812500e-01, -8.74023438e-02, -3.08837891e-02,
         9.42382812e-02,  3.00292969e-02,  7.69042969e-03,  1.42578125e-01,
         6.05468750e-02,  3.12500000e-02, -5.90820312e-02, -4.08935547e-03,
        -1.57226562e-01, -1.00585938e-01,  3.68118286e-04, -9.13085938e-02,
         1.26953125e-01, -2.20703125e-01, -1.00585938e-01, -8.93554688e-02,
        -5.93261719e-02, -1.25976562e-01, -1.01562500e-01,  1.84570312e-01,
        -7.17773438e-02,  2.09960938e-01,  5.49316406e-03,  4.34570312e-02,
         2.01171875e-01,  1.09863281e-01, -2.13623047e-02, -2.48046875e-01,
         7.93457031e-04,  7.81250000e-02,  1.05468750e-01,  4.61425781e-02,
         1.11816406e-01, -2.36328125e-01,  2.19726562e-01, -6.64062500e-02,
         8.20312500e-02, -8.53538513e-05, -5.32226562e-02, -8.00781250e-02,
        -1.77734375e-01,  1.39648438e-01,  1.63574219e-02, -7.03125000e-02,
         2.63671875e-01, -1.74804688e-01,  1.09863281e-01, -1.06445312e-01,
         1.42578125e-01, -2.17285156e-02,  8.49609375e-02,  5.73730469e-02,
        -5.98144531e-02, -9.76562500e-02,  1.77734375e-01, -1.56250000e-01,
         5.43212891e-03, -2.91015625e-01,  6.22558594e-02, -2.32421875e-01,
        -9.32617188e-02, -9.96093750e-02,  1.30859375e-01, -1.55273438e-01,
        -1.37695312e-01, -2.32421875e-01, -4.85839844e-02,  2.92968750e-02,
        -6.00585938e-02, -9.57031250e-02,  1.42211914e-02, -4.44335938e-02,
         1.63085938e-01, -1.86523438e-01,  1.51367188e-01, -2.84423828e-02,
         2.86865234e-02, -8.11767578e-03, -7.66601562e-02, -9.17968750e-02,
        -1.64794922e-02, -1.14746094e-01,  3.69140625e-01, -1.59179688e-01,
         2.06298828e-02, -1.55273438e-01,  6.83593750e-02,  1.91650391e-02,
         1.75781250e-02, -1.95312500e-02, -2.46093750e-01, -1.14257812e-01,
        -1.03759766e-03, -3.01513672e-02, -6.78710938e-02, -2.20703125e-01,
        -1.87500000e-01, -2.14843750e-02, -3.16406250e-01, -2.96875000e-01,
         1.95312500e-01, -9.37500000e-02,  9.03320312e-02,  1.28906250e-01,
        -1.25976562e-01,  1.17187500e-01, -2.17285156e-02, -6.44531250e-02,
        -1.62353516e-02, -2.55859375e-01, -4.19921875e-02,  2.50000000e-01,
        -2.09960938e-02, -1.25000000e-01,  4.24194336e-03, -2.29492188e-02,
         1.30859375e-01,  1.86523438e-01,  1.59179688e-01,  5.54199219e-02,
         8.48388672e-03, -8.44726562e-02, -1.84570312e-01,  2.00195312e-02,
        -9.03320312e-02, -1.27563477e-02,  6.77490234e-03, -2.61718750e-01,
         1.28906250e-01,  3.63769531e-02,  2.66113281e-02,  8.78906250e-02,
        -1.25976562e-01, -2.00195312e-02,  4.93164062e-02, -3.47900391e-03,
        -3.71093750e-02, -9.27734375e-02,  1.86523438e-01, -1.15234375e-01,
         2.21679688e-01,  8.25195312e-02,  9.08203125e-02, -5.83496094e-02,
        -5.44433594e-02, -7.38525391e-03, -2.08984375e-01, -1.03027344e-01,
        -1.21459961e-02,  1.05468750e-01, -5.41992188e-02, -1.88476562e-01,
        -6.00585938e-02,  4.85839844e-02, -8.05664062e-02, -1.86920166e-04,
        -1.72851562e-01, -2.63671875e-01,  1.66015625e-01, -3.78417969e-03,
         7.37304688e-02,  1.28906250e-01, -5.24902344e-02,  2.44140625e-01,
```

```
        -4.48608398e-03,  4.34570312e-02, -1.64794922e-02, -9.86328125e-02,
         1.06933594e-01, -8.83789062e-02,  3.06396484e-02, -1.81640625e-01,
         9.03320312e-02,  2.10937500e-01, -5.00488281e-02, -1.10839844e-01,
         1.48437500e-01, -7.47070312e-02, -4.24804688e-02, -1.53320312e-01,
         2.10937500e-01,  6.88476562e-02,  4.88281250e-02, -1.50390625e-01,
        -4.58984375e-02,  1.56250000e-01,  1.57226562e-01,  8.00781250e-02,
        -1.29882812e-01, -2.92968750e-01,  1.44531250e-01, -1.95312500e-02,
         7.66601562e-02,  2.44140625e-01, -1.01562500e-01,  2.52685547e-02,
         2.47070312e-01,  1.70898438e-02,  1.93359375e-01, -2.46093750e-01,
        -2.92968750e-03, -9.32617188e-02, -2.27539062e-01,  8.49609375e-02,
        -1.55273438e-01,  1.15356445e-02,  1.44531250e-01,  1.12792969e-01,
         4.51660156e-02,  7.40051270e-04,  4.46777344e-02,  1.42578125e-01,
         4.34570312e-02,  7.08007812e-02,  1.02539062e-01,  3.49121094e-02,
         1.16699219e-01,  1.32446289e-02, -8.83789062e-02,  1.11816406e-01,
         3.43322754e-04, -1.76757812e-01,  4.58984375e-02,  3.16406250e-01,
         2.22656250e-01,  3.07617188e-02,  1.38671875e-01, -6.73828125e-02,
        -6.49414062e-02, -1.77734375e-01, -9.27734375e-02,  5.56640625e-02,
         2.10937500e-01, -1.02539062e-01,  2.50000000e-01,  1.56250000e-01,
        -9.52148438e-03, -1.23535156e-01, -1.31835938e-01,  6.83593750e-02,
        -8.93554688e-02, -4.80957031e-02,  1.58203125e-01,  1.99218750e-01,
        -6.64062500e-02,  1.90429688e-01, -4.51660156e-02, -2.26562500e-01,
        -8.54492188e-03,  1.97753906e-02,  1.29699707e-03, -1.76757812e-0
1],
       dtype=float32),
 'bachelor': array([ 8.74023438e-02, -1.98242188e-01, -4.35546875e-01,  1.1
3281250e-01,
         9.37500000e-02,  1.28906250e-01,  1.86523438e-01, -6.32812500e-01,
         4.78515625e-02, -1.19140625e-01,  2.07031250e-01, -1.68945312e-01,
        -3.37890625e-01,  1.50390625e-01,  1.96533203e-02, -1.28173828e-02,
         3.57421875e-01, -1.12304688e-02, -2.31933594e-02, -1.49414062e-01,
        -1.56250000e-01,  1.82617188e-01,  1.57470703e-02, -2.13867188e-01,
         2.39257812e-01, -1.37695312e-01, -1.38671875e-01,  3.82812500e-01,
        -3.88183594e-02, -1.79687500e-01,  9.66796875e-02,  2.89306641e-02,
         1.60156250e-01, -1.86523438e-01, -1.43554688e-01,  3.05175781e-02,
         3.65234375e-01, -1.79687500e-01, -1.35742188e-01,  1.18164062e-01,
        -2.07031250e-01, -2.96875000e-01,  7.47070312e-02,  1.65039062e-01,
        -2.83203125e-01, -2.85156250e-01, -5.95703125e-02, -6.34765625e-02,
         2.50244141e-02,  7.66601562e-02, -3.14453125e-01,  8.39843750e-02,
         5.85937500e-01, -3.84765625e-01, -1.30859375e-01, -2.13867188e-01,
        -7.27539062e-02, -5.42968750e-01, -1.22558594e-01, -1.10351562e-01,
        -6.59179688e-02,  3.78906250e-01,  1.79687500e-01, -1.34765625e-01,
        -2.61718750e-01,  2.28515625e-01, -2.08007812e-01, -2.19726562e-01,
         6.20117188e-02,  6.34765625e-02,  5.98144531e-02, -8.69140625e-02,
         3.66210938e-02,  2.48718262e-03, -7.37304688e-02,  4.70703125e-01,
        -2.73437500e-01,  1.32812500e-01, -1.53198242e-02,  5.85937500e-02,
        -1.41601562e-02,  3.08837891e-02, -3.78417969e-02,  7.87353516e-03,
        -7.86132812e-02,  2.53906250e-02, -3.22265625e-01,  3.82812500e-01,
         2.50000000e-01, -5.85937500e-02, -8.54492188e-02, -1.64062500e-01,
        -3.65234375e-01, -1.73828125e-01, -3.44238281e-02,  2.71484375e-01,
         1.29882812e-01, -1.19140625e-01, -2.28515625e-01, -9.08203125e-02,
         7.81250000e-02,  9.61914062e-02, -2.12890625e-01, -3.59375000e-01,
         2.87109375e-01, -5.82031250e-01,  5.10253906e-02,  1.36718750e-01,
         6.83593750e-02, -1.56250000e-01,  5.20019531e-02,  1.15722656e-01,
         3.71093750e-01,  2.18750000e-01, -5.20019531e-02,  2.41210938e-01,
        -7.51953125e-02,  1.47460938e-01,  2.15820312e-01, -2.53906250e-02,
        -2.08984375e-01,  3.00781250e-01, -4.56542969e-02, -5.05371094e-02,
         3.93066406e-02, -4.23828125e-01,  3.02734375e-01, -1.65039062e-01,
         3.16406250e-01, -3.63769531e-02,  1.26953125e-01, -4.98046875e-02,
         2.03125000e-01, -1.98242188e-01, -4.61425781e-02,  8.39843750e-02,
         2.40234375e-01,  4.31640625e-01,  3.41796875e-01,  2.25585938e-01,
        -3.80859375e-01,  4.98046875e-02,  2.36328125e-01,  9.91210938e-02,
        -1.90429688e-01,  4.10156250e-01, -1.95312500e-01,  4.74609375e-01,
         2.52685547e-02,  1.65039062e-01,  3.10546875e-01,  6.25000000e-02,
         1.12304688e-02,  2.03857422e-02, -2.50000000e-01, -5.97656250e-01,
```

```
        -1.39648438e-01,  3.71093750e-01,  4.64843750e-01, -5.68847656e-02,
        -1.75781250e-01,  2.49023438e-01, -2.08007812e-01,  4.78515625e-01,
        -9.96093750e-02,  1.67968750e-01, -1.57165527e-03, -1.37695312e-01,
         6.98242188e-02,  7.66601562e-02, -1.12792969e-01, -2.73437500e-01,
         1.85546875e-01, -4.24804688e-02, -3.14941406e-02,  4.44335938e-02,
         1.47460938e-01,  2.17437744e-04, -2.05078125e-01, -2.87109375e-01,
        -3.45703125e-01, -6.49414062e-02,  5.51757812e-02, -7.56835938e-02,
         5.83496094e-02, -8.83789062e-02,  1.83593750e-01, -8.64257812e-02,
         2.39257812e-01,  6.73828125e-02,  4.74609375e-01,  1.55273438e-01,
        -8.78906250e-02,  5.85937500e-01,  3.39843750e-01,  2.61718750e-01,
         4.70703125e-01, -7.95898438e-02,  1.52343750e-01,  3.90625000e-02,
        -3.76953125e-01, -1.80664062e-02,  3.20312500e-01, -3.22265625e-01,
        -3.12500000e-01, -2.11914062e-01,  8.25195312e-02, -7.66601562e-02,
        -5.56640625e-02,  5.90820312e-02, -3.04687500e-01, -1.30859375e-01,
         2.67578125e-01, -5.00488281e-02,  9.13085938e-02,  1.82617188e-01,
        -1.98242188e-01,  2.33398438e-01,  1.88476562e-01,  1.36566162e-03,
        -6.88476562e-02, -1.67968750e-01, -1.45507812e-01, -2.83203125e-01,
         5.58593750e-01,  2.15820312e-01,  1.92382812e-01, -1.09863281e-01,
        -1.92382812e-01, -2.38281250e-01,  1.22558594e-01,  6.83593750e-03,
        -1.73828125e-01, -2.45117188e-01,  5.39062500e-01, -1.19140625e-01,
        -7.17773438e-02, -2.25585938e-01, -3.06640625e-01,  6.25000000e-01,
         3.00781250e-01,  1.87500000e-01, -3.41796875e-01, -1.18255615e-03,
        -1.15966797e-02, -1.94335938e-01, -2.50244141e-02, -1.04492188e-01,
        -2.72216797e-02, -1.71875000e-01, -2.36328125e-01,  1.52343750e-01,
        -5.37109375e-03,  3.68652344e-02, -3.53515625e-01,  2.29492188e-01,
        -1.17187500e-01,  2.64892578e-02, -2.96875000e-01,  9.76562500e-03,
         6.44531250e-02, -1.74804688e-01,  2.05078125e-01,  1.60156250e-01,
         9.27734375e-02,  1.12792969e-01, -7.95898438e-02, -1.22070312e-01,
        -3.12500000e-01, -9.76562500e-02, -6.19506836e-03, -1.08886719e-01,
         2.55859375e-01, -8.78906250e-02,  6.34765625e-02, -2.53906250e-01,
        -5.10253906e-02, -2.33459473e-03, -4.12109375e-01,  3.63281250e-01,
         2.96875000e-01, -1.19140625e-01, -1.32812500e-01,  1.25976562e-01,
        -1.29882812e-01, -6.15234375e-02,  2.29492188e-01, -2.42614746e-03,
         3.00781250e-01,  2.47070312e-01, -2.59765625e-01,  2.91015625e-01,
        -3.04687500e-01, -1.33789062e-01,  4.31640625e-01, -1.64062500e-01,
         9.57031250e-02, -8.98437500e-02,  4.25781250e-01,  4.94140625e-0
1],
       dtype=float32),
 'implement': array([-2.61718750e-01,  3.24707031e-02, -2.95410156e-02,  1.
35742188e-01,
        -1.92871094e-02, -5.56640625e-02,  2.78320312e-02,  3.66210938e-02,
         5.73730469e-02, -7.66754150e-04, -1.00585938e-01,  5.17578125e-02,
        -1.44531250e-01,  9.86328125e-02, -1.02539062e-01,  5.10253906e-02,
        -9.52148438e-02, -2.29835510e-04, -5.73730469e-02,  4.29687500e-02,
        -6.54296875e-02,  2.34375000e-01,  2.23632812e-01,  1.80664062e-01,
         7.42187500e-02,  1.52587891e-02,  3.03955078e-02, -2.42187500e-01,
         1.50146484e-02, -1.54296875e-01, -1.86767578e-02,  2.44140625e-02,
        -1.48437500e-01, -7.91015625e-02, -9.17968750e-02, -1.46484375e-01,
         1.05468750e-01, -2.81982422e-02,  2.20703125e-01,  1.19628906e-01,
         3.39355469e-02,  9.17968750e-02,  1.66015625e-01,  1.80664062e-02,
        -1.86767578e-02, -2.55859375e-01, -2.98828125e-01, -3.24218750e-01,
        -1.78710938e-01,  1.18652344e-01,  2.96630859e-02, -6.07910156e-02,
         1.62353516e-02, -2.53906250e-01, -1.83593750e-01, -9.42382812e-02,
        -1.51367188e-01, -2.38281250e-01, -3.75976562e-02, -4.41894531e-02,
        -5.81054688e-02, -9.52148438e-02, -6.07910156e-02,  8.59375000e-02,
         2.56347656e-02,  1.26953125e-01, -4.32128906e-02,  1.85546875e-01,
         1.35742188e-01,  1.09375000e-01,  2.52685547e-02,  8.30078125e-02,
         2.36328125e-01,  1.55273438e-01,  1.58203125e-01, -3.86718750e-01,
         1.56250000e-01, -9.61914062e-02, -4.63867188e-03,  2.38281250e-01,
         1.57226562e-01,  1.49414062e-01, -1.35742188e-01, -1.66015625e-02,
         1.42578125e-01,  1.40991211e-02, -8.30078125e-02, -7.76367188e-02,
        -9.91210938e-02,  1.36718750e-01,  5.78613281e-02, -2.79296875e-01,
         1.00585938e-01, -1.14746094e-01,  4.37011719e-02, -1.07421875e-01,
        -2.07031250e-01, -1.64794922e-02,  1.07421875e-01,  2.20703125e-01,
```

```
         5.93261719e-02,  5.27954102e-03,  7.81250000e-03,  9.81445312e-02,
        -4.05273438e-02, -2.38281250e-01,  8.49609375e-02, -7.27539062e-02,
         1.53320312e-01, -9.81445312e-02, -8.88671875e-02, -2.11914062e-01,
        -2.69531250e-01, -1.02539062e-01,  3.24218750e-01,  1.65039062e-01,
         7.85827637e-04, -3.51562500e-02,  2.18750000e-01, -7.47070312e-02,
         9.81445312e-02,  2.60009766e-02, -1.04003906e-01,  4.44335938e-02,
         5.46875000e-02, -8.20312500e-02, -4.98046875e-02, -1.42578125e-01,
         1.96533203e-02,  2.08984375e-01, -1.53808594e-02, -1.56250000e-02,
         1.19140625e-01, -1.07421875e-01, -9.03320312e-02,  2.37304688e-01,
         6.44531250e-02,  1.24511719e-01,  5.20019531e-02,  2.01416016e-02,
         3.10058594e-02,  3.71093750e-02, -3.00781250e-01,  1.18652344e-01,
         3.56445312e-02,  9.17968750e-02, -2.11914062e-01, -1.79687500e-01,
        -1.10839844e-01,  1.44531250e-01,  1.43554688e-01,  5.66406250e-02,
         1.49414062e-01,  1.80664062e-01,  2.45117188e-01, -7.42187500e-02,
        -2.22167969e-02,  9.22851562e-02, -2.08007812e-01, -1.53808594e-02,
         2.65625000e-01,  1.15871429e-04, -2.26562500e-01, -3.90625000e-01,
        -2.87109375e-01, -1.50146484e-02, -8.10546875e-02, -1.67968750e-01,
         1.62109375e-01, -9.96093750e-02,  2.67333984e-02, -4.66308594e-02,
        -1.02050781e-01, -3.41796875e-02,  3.00781250e-01,  8.44726562e-02,
         3.39843750e-01,  8.64257812e-02, -2.30468750e-01,  1.47705078e-02,
        -1.92382812e-01, -2.14843750e-01,  1.20605469e-01, -4.10156250e-02,
         6.39648438e-02, -2.86865234e-02, -1.87500000e-01, -4.80957031e-02,
        -1.33789062e-01,  8.34960938e-02, -1.35742188e-01,  8.44726562e-02,
        -1.16210938e-01, -6.78710938e-02, -2.49023438e-01, -3.39355469e-02,
         1.84570312e-01, -2.75878906e-02,  1.85546875e-01, -2.94921875e-01,
        -1.75781250e-01, -6.49414062e-02,  1.39648438e-01,  6.83593750e-02,
        -1.85546875e-01, -3.39355469e-02, -1.28906250e-01, -8.00781250e-02,
         2.67578125e-01,  3.75366211e-03,  2.16796875e-01,  2.32421875e-01,
         2.35351562e-01,  3.28125000e-01, -3.41796875e-01,  3.10546875e-01,
         3.00781250e-01, -3.11279297e-02,  5.46875000e-02,  1.89453125e-01,
        -8.49609375e-02,  2.18505859e-02,  5.20019531e-02,  2.89062500e-01,
         1.78710938e-01, -8.00781250e-02,  1.95312500e-01, -2.90527344e-02,
         3.19824219e-02,  7.32421875e-03,  6.46972656e-03,  1.03027344e-01,
         9.42382812e-02, -2.62451172e-02,  1.70898438e-01, -9.86328125e-02,
         2.22167969e-02,  1.41906738e-03,  1.55273438e-01, -1.45874023e-02,
        -4.08203125e-01, -3.78417969e-02, -5.24902344e-02, -3.54003906e-02,
        -3.36914062e-02, -2.81250000e-01, -3.49609375e-01,  1.37329102e-02,
        -2.11181641e-02, -6.78710938e-02, -1.80664062e-01,  3.12500000e-01,
        -2.51953125e-01,  1.02050781e-01, -7.56835938e-02, -8.05664062e-02,
        -4.66308594e-02,  7.86132812e-02, -4.78515625e-02, -7.95898438e-02,
        -8.54492188e-03,  1.03759766e-02,  9.42382812e-02, -1.04980469e-01,
         1.01562500e-01, -1.00097656e-01, -4.76074219e-02, -1.33789062e-01,
        -3.26171875e-01,  5.78613281e-02,  2.32421875e-01,  1.89208984e-02,
        -1.05468750e-01,  2.07031250e-01, -8.44726562e-02,  7.27539062e-02,
        -2.07031250e-01, -1.33056641e-02, -1.09375000e-01, -2.31445312e-01,
        -8.39843750e-02,  1.26953125e-01,  2.61718750e-01,  1.44531250e-01,
         2.09045410e-03, -6.77490234e-03, -1.69921875e-01, -6.83593750e-02,
         1.54296875e-01,  8.83789062e-02, -2.83203125e-01,  2.10937500e-01,
         1.30859375e-01,  5.05371094e-02, -1.76757812e-01,  1.25976562e-01,
         5.93261719e-02,  1.66992188e-01, -5.37872314e-04,  7.37304688e-0
2],
       dtype=float32),
 'delivering': array([-9.15527344e-04,  5.85937500e-03, -1.50390625e-01,
7.32421875e-02,
         2.68554688e-02, -8.20312500e-02, -9.03320312e-02, -4.39453125e-02,
         2.19726562e-01,  3.51562500e-01, -2.57812500e-01, -1.72851562e-01,
         8.30078125e-02,  2.65625000e-01,  4.44335938e-02, -9.86328125e-02,
        -3.00781250e-01, -2.12402344e-02,  4.95605469e-02, -2.25830078e-02,
        -5.67626953e-03,  3.19824219e-02,  3.75976562e-02,  1.31835938e-01,
         2.41210938e-01, -3.61328125e-01,  7.38525391e-03, -1.45507812e-01,
         6.64062500e-02,  1.85546875e-02,  7.08007812e-02, -1.96289062e-01,
        -1.48437500e-01,  7.47070312e-02, -5.37109375e-03,  1.05957031e-01,
        -9.37500000e-02, -1.19628906e-01, -4.19921875e-02, -5.63964844e-02,
         2.16064453e-02,  9.86328125e-02, -3.29589844e-02,  1.03027344e-01,
```

```
-1.20117188e-01, -2.83203125e-01, -5.68847656e-02,  2.10937500e-01,
 5.37109375e-02,  1.14746094e-01,  9.81445312e-02,  1.59179688e-01,
-1.97265625e-01, -4.85839844e-02,  2.25585938e-01,  2.59765625e-01,
-1.36718750e-01, -9.32617188e-02,  8.05664062e-02,  1.34277344e-02,
 7.87353516e-03,  2.61718750e-01, -2.23632812e-01, -1.50390625e-01,
 2.89306641e-02,  2.41210938e-01, -1.89453125e-01,  5.22460938e-02,
 4.61425781e-02,  4.76074219e-02, -8.10546875e-02,  1.13769531e-01,
-6.98242188e-02, -1.03027344e-01,  3.03955078e-02, -2.57568359e-02,
 1.76757812e-01,  2.53906250e-02,  1.50390625e-01, -1.00708008e-02,
-1.46484375e-01, -3.44238281e-02, -1.82617188e-01, -4.00390625e-02,
 2.46093750e-01, -4.62890625e-01, -5.68847656e-02, -1.13769531e-01,
 1.30859375e-01,  1.67968750e-01,  1.43554688e-01, -1.00585938e-01,
 7.22656250e-02,  1.55273438e-01, -2.23632812e-01, -5.59082031e-02,
 6.37817383e-03,  1.92382812e-01,  4.12597656e-02,  1.11328125e-01,
-9.86328125e-02, -2.08984375e-01,  1.13769531e-01, -2.56347656e-03,
-1.88476562e-01, -1.13769531e-01,  1.40625000e-01,  1.97265625e-01,
-1.58691406e-02, -1.19018555e-02,  1.33789062e-01,  2.76184082e-03,
-3.16406250e-01,  2.20703125e-01,  3.06396484e-02,  8.49609375e-02,
-2.38037109e-02, -2.20947266e-02,  8.30078125e-02, -1.36718750e-01,
-1.17187500e-01, -1.27563477e-02,  1.52587891e-02,  1.41601562e-01,
 5.05371094e-02,  4.78515625e-02, -6.73828125e-02,  1.30859375e-01,
-2.46093750e-01, -1.08886719e-01,  1.95312500e-02,  1.42822266e-02,
-2.42187500e-01, -8.00781250e-02, -1.08886719e-01,  2.02636719e-02,
 1.68945312e-01, -1.83593750e-01,  4.07714844e-02,  1.78710938e-01,
-3.58886719e-02, -1.46484375e-01, -2.10937500e-01, -3.68652344e-02,
-3.08837891e-02, -1.22070312e-01, -4.88281250e-02, -4.76562500e-01,
 5.10253906e-02,  2.73437500e-01,  6.12792969e-02,  1.90429688e-01,
-3.80859375e-02, -1.43554688e-01, -3.10546875e-01, -1.76757812e-01,
-6.64062500e-02,  1.59179688e-01, -8.34960938e-02, -8.78906250e-02,
-2.87109375e-01, -2.88085938e-02, -8.88671875e-02,  2.81250000e-01,
-1.67968750e-01,  1.39160156e-02, -5.49316406e-02, -1.73828125e-01,
-1.83593750e-01, -4.04296875e-01, -3.22265625e-01, -1.92382812e-01,
-7.61718750e-02, -1.25000000e-01, -1.66015625e-01, -2.20703125e-01,
 1.65039062e-01, -2.09960938e-01, -4.10156250e-01,  1.41601562e-01,
-1.32446289e-02,  8.49609375e-02,  1.91406250e-01, -8.00781250e-02,
-2.73437500e-01, -5.46875000e-02, -3.63281250e-01, -1.51367188e-01,
-7.12890625e-02, -5.49316406e-02,  5.32226562e-02,  5.07812500e-02,
 3.57421875e-01, -1.87500000e-01, -1.17675781e-01,  5.49316406e-03,
 1.39648438e-01, -2.05078125e-02,  2.46093750e-01, -4.49218750e-02,
-9.03320312e-02,  7.95898438e-02, -9.27734375e-03, -1.20605469e-01,
-1.63085938e-01,  1.46484375e-01, -6.12792969e-02,  4.29687500e-02,
-8.10546875e-02, -3.73046875e-01, -3.39355469e-02, -7.95898438e-02,
 7.32421875e-02,  1.85546875e-01, -3.86047363e-03,  1.52343750e-01,
 1.25000000e-01, -5.56640625e-02, -2.75390625e-01,  1.32812500e-01,
 1.26953125e-01,  1.66015625e-01,  1.76757812e-01,  1.76757812e-01,
 1.64794922e-02,  1.75781250e-01, -1.28906250e-01, -1.52343750e-01,
 4.63867188e-02, -3.28125000e-01,  3.80859375e-02, -1.93359375e-01,
 1.33789062e-01, -1.58691406e-02, -6.54296875e-02,  6.29882812e-02,
-1.22070312e-01,  4.71191406e-02,  3.64303589e-04, -1.45507812e-01,
-2.73437500e-01,  1.28906250e-01, -3.24218750e-01, -2.80761719e-02,
 2.63671875e-01, -1.68945312e-01,  5.85937500e-02,  9.27734375e-02,
 8.78906250e-02, -1.76757812e-01,  1.20849609e-02,  1.51367188e-01,
-9.71679688e-02,  3.33984375e-01,  2.99072266e-02,  6.39648438e-02,
-8.74023438e-02, -1.49414062e-01, -1.30859375e-01, -1.24511719e-01,
-4.97436523e-03, -1.00097656e-01,  2.57812500e-01, -9.46044922e-03,
-1.48437500e-01, -9.57031250e-02,  3.06640625e-01, -2.17773438e-01,
-2.83203125e-02,  2.12890625e-01,  7.81250000e-02,  2.13623047e-02,
 6.29882812e-02, -1.40625000e-01,  2.79541016e-02,  2.05078125e-02,
-8.83789062e-02,  1.93359375e-01, -8.74023438e-02, -1.55273438e-01,
 3.34472656e-02, -1.23535156e-01,  1.29882812e-01,  1.69921875e-01,
-3.49121094e-02,  1.72851562e-01, -6.46972656e-03, -1.68945312e-01,
 1.95312500e-01,  8.30078125e-02, -2.55126953e-02, -1.52343750e-01,
-1.68945312e-01,  2.01171875e-01, -1.30615234e-02,  1.58203125e-01,
 7.61718750e-02,  8.74023438e-02,  1.80664062e-01,  2.42919922e-0
```

```
2],
       dtype=float32),
 'worker': array([ 0.04760742, -0.13476562,  0.03015137,  0.01818848,  0.06
152344,
         0.20019531,  0.04589844, -0.00384521,  0.046875  , -0.09667969,
         0.08789062, -0.08789062, -0.22851562, -0.30078125, -0.00128937,
         0.16601562,  0.06445312,  0.00689697,  0.15136719,  0.04101562,
        -0.15820312, -0.08886719,  0.05541992,  0.02185059,  0.3125    ,
        -0.17480469, -0.46484375,  0.09130859, -0.0133667 , -0.171875  ,
        -0.15039062, -0.30664062, -0.234375  ,  0.05957031, -0.09863281,
         0.10742188,  0.18945312,  0.26171875, -0.21777344,  0.11035156,
        -0.140625  , -0.25390625,  0.33789062,  0.21777344, -0.04296875,
        -0.28710938, -0.40039062,  0.24121094,  0.13476562,  0.14257812,
        -0.09472656, -0.20800781,  0.12255859,  0.05004883,  0.20703125,
        -0.3984375 ,  0.08740234,  0.08251953, -0.06347656, -0.13769531,
        -0.08056641,  0.10253906, -0.37890625,  0.00080109,  0.15039062,
        -0.04370117,  0.12353516, -0.07128906,  0.25976562, -0.0067749 ,
        -0.0291748 ,  0.10302734, -0.16796875,  0.09863281, -0.17285156,
         0.18652344,  0.00524902,  0.23828125,  0.1640625 ,  0.07128906,
         0.21582031,  0.11474609, -0.01257324, -0.01074219,  0.05029297,
         0.05761719,  0.00387573,  0.04541016, -0.24902344, -0.09179688,
        -0.07568359, -0.03051758, -0.41210938,  0.02954102,  0.08349609,
         0.35546875,  0.2265625 ,  0.06542969,  0.12060547, -0.11474609,
        -0.14746094, -0.52734375,  0.07568359,  0.03173828,  0.15136719,
        -0.3046875 ,  0.05297852, -0.09277344, -0.20898438, -0.25585938,
        -0.01940918, -0.28710938, -0.06640625, -0.10009766, -0.23535156,
         0.09716797, -0.10693359, -0.02075195,  0.23339844,  0.5       ,
         0.2578125 ,  0.04077148, -0.48632812, -0.00909424,  0.11767578,
         0.09619141,  0.04638672, -0.22460938,  0.01794434, -0.3203125 ,
        -0.26757812, -0.08447266, -0.07958984, -0.11474609, -0.10205078,
        -0.00445557, -0.25      , -0.01855469, -0.12109375,  0.00921631,
         0.17773438,  0.02026367,  0.12597656,  0.46289062, -0.27929688,
        -0.17382812, -0.25976562,  0.16113281, -0.08251953, -0.09033203,
         0.30664062, -0.19921875,  0.19238281,  0.09765625, -0.14746094,
         0.02478027, -0.24609375,  0.18066406, -0.12158203, -0.06933594,
        -0.01757812, -0.15722656, -0.09814453,  0.1875    , -0.04907227,
         0.0300293 , -0.19628906, -0.30859375,  0.14746094,  0.06225586,
         0.22070312,  0.12451172, -0.12451172, -0.1875    , -0.03125   ,
        -0.02026367,  0.19628906,  0.36523438,  0.13574219,  0.14453125,
        -0.09814453,  0.0168457 ,  0.04833984, -0.11669922,  0.12451172,
         0.08984375, -0.03613281,  0.1328125 , -0.02758789,  0.00915527,
        -0.16210938, -0.06445312,  0.15917969,  0.33398438, -0.10058594,
        -0.00927734, -0.11279297,  0.24316406, -0.0559082 ,  0.11425781,
        -0.11767578,  0.21386719, -0.04272461, -0.16210938, -0.22851562,
        -0.26367188, -0.08544922,  0.16503906,  0.08740234, -0.25585938,
         0.07568359, -0.27148438, -0.15039062,  0.05322266,  0.29101562,
        -0.05273438, -0.0065918 , -0.02026367, -0.15820312,  0.21289062,
         0.21386719, -0.05444336,  0.17382812, -0.09960938,  0.15527344,
        -0.16503906,  0.2109375 , -0.04931641,  0.05273438, -0.47851562,
        -0.00442505, -0.10644531, -0.23535156, -0.08349609, -0.32421875,
        -0.453125  ,  0.06030273, -0.31445312,  0.14355469, -0.1953125 ,
         0.05932617, -0.18359375, -0.24023438, -0.24902344,  0.14355469,
         0.13671875, -0.35742188, -0.06640625, -0.0859375 , -0.46289062,
        -0.16796875,  0.140625  , -0.05102539, -0.25195312,  0.07177734,
        -0.06225586,  0.02258301,  0.04370117, -0.19726562,  0.14257812,
        -0.04760742, -0.34765625, -0.01403809, -0.23144531,  0.17382812,
         0.01721191,  0.1015625 ,  0.18945312, -0.06640625,  0.39453125,
        -0.25585938, -0.05541992,  0.10302734,  0.15625   , -0.33007812,
         0.11523438, -0.09521484, -0.30078125,  0.10595703, -0.0625    ,
        -0.00909424, -0.05981445,  0.04003906,  0.53125   ,  0.00872803,
        -0.07128906, -0.08203125,  0.00292969,  0.27148438,  0.33984375,
         0.00148773, -0.03808594,  0.12695312,  0.02844238, -0.18359375,
         0.09814453,  0.07714844, -0.01153564,  0.02331543, -0.00393677],
       dtype=float32),
```

```
 'completed': array([-1.71875000e-01,  6.29882812e-02, -1.34765625e-01, -6.
01196289e-03,
        -9.42382812e-02, -3.43750000e-01,  2.57568359e-02,  9.57031250e-02,
         5.07812500e-01, -8.83789062e-02, -3.49121094e-02, -4.76074219e-02,
        -8.69140625e-02,  2.67333984e-02,  2.39257812e-01,  1.59179688e-01,
         1.12304688e-01, -4.21875000e-01, -1.72119141e-02, -5.61523438e-02,
        -2.22656250e-01,  1.25000000e-01, -6.93359375e-02,  2.24609375e-01,
         1.64062500e-01, -9.66796875e-02, -1.67236328e-02, -2.91015625e-01,
        -9.61914062e-02,  1.25000000e-01,  1.82617188e-01,  1.21459961e-02,
        -3.49121094e-02, -1.43554688e-01, -1.42578125e-01,  1.76757812e-01,
        -6.34765625e-02, -1.76757812e-01,  2.89062500e-01, -1.63085938e-01,
        -1.87988281e-02, -2.45666504e-03,  6.44531250e-02,  3.08593750e-01,
         9.39941406e-03, -1.40625000e-01, -3.27148438e-02, -8.30078125e-02,
        -8.64257812e-02,  1.11816406e-01,  8.10546875e-02,  7.67707825e-05,
         1.28173828e-02, -1.89453125e-01, -1.26953125e-01,  1.01074219e-01,
        -1.72851562e-01, -1.33789062e-01,  1.66015625e-01, -2.80761719e-02,
        -1.58203125e-01, -6.37817383e-03,  4.22363281e-02, -2.75390625e-01,
         3.31878662e-04,  9.37500000e-02, -2.35351562e-01, -1.01562500e-01,
        -1.58203125e-01,  4.37011719e-02,  9.66796875e-02, -6.88476562e-02,
         2.19726562e-01,  1.32812500e-01, -2.61230469e-02, -1.28906250e-01,
         1.15234375e-01, -3.27148438e-02, -8.59375000e-02,  7.37304688e-02,
        -7.81250000e-02, -2.04101562e-01, -1.11083984e-02, -7.32421875e-02,
         1.81640625e-01, -1.45263672e-02,  2.79296875e-01, -1.50146484e-02,
         2.71484375e-01, -4.41894531e-02, -6.68945312e-02, -2.03125000e-01,
         6.25000000e-02, -3.39355469e-02, -5.59082031e-02, -1.37695312e-01,
        -2.08984375e-01, -2.00195312e-01, -8.54492188e-02, -3.34472656e-02,
         1.30859375e-01, -9.42382812e-02, -1.79687500e-01,  8.64257812e-02,
        -3.05175781e-02, -2.61718750e-01, -1.32812500e-01, -9.66796875e-02,
        -7.27539062e-02, -5.81054688e-02,  2.11914062e-01,  2.83203125e-01,
         5.73730469e-02, -1.70898438e-01,  1.69921875e-01,  6.39648438e-02,
        -1.76429749e-05,  1.14746094e-01,  4.14062500e-01,  6.07910156e-02,
        -2.33154297e-02, -5.00488281e-02,  2.17773438e-01,  1.62109375e-01,
         2.46582031e-02,  1.59179688e-01, -3.10058594e-02, -1.65039062e-01,
        -2.02636719e-02,  1.78710938e-01, -3.00292969e-02,  9.52148438e-02,
        -1.41601562e-01, -1.01074219e-01, -2.89062500e-01,  9.66796875e-02,
        -3.54003906e-02,  9.81445312e-02, -5.61523438e-02,  2.43164062e-01,
        -2.11914062e-01, -1.49414062e-01,  1.36108398e-02,  1.62109375e-01,
        -1.18652344e-01,  8.49609375e-02, -8.25195312e-02,  7.47070312e-02,
        -1.92382812e-01, -2.46093750e-01,  1.28906250e-01,  1.41601562e-01,
        -1.84326172e-02,  1.29882812e-01, -4.05273438e-02,  2.31933594e-02,
        -1.41601562e-01, -2.14843750e-01,  3.05175781e-02,  1.55273438e-01,
         1.60156250e-01,  1.21093750e-01,  7.56835938e-02, -2.73437500e-02,
        -1.14257812e-01, -1.05468750e-01,  1.68945312e-01,  1.30859375e-01,
         7.37304688e-02, -2.31445312e-01,  3.88183594e-02, -4.31640625e-01,
         3.66210938e-02, -1.14257812e-01,  2.61718750e-01,  1.19140625e-01,
         3.95507812e-02,  1.33789062e-01, -9.42382812e-02,  2.06298828e-02,
        -1.00585938e-01,  4.68750000e-02, -1.80664062e-01,  2.79296875e-01,
        -2.36328125e-01,  1.18652344e-01,  1.35742188e-01, -5.73730469e-02,
         4.83398438e-02,  2.28515625e-01, -3.54003906e-02, -2.01416016e-02,
        -5.71289062e-02, -5.78613281e-02, -8.00781250e-02,  1.30859375e-01,
         3.90625000e-01,  2.30468750e-01,  1.20239258e-02, -5.63964844e-02,
         2.35351562e-01,  2.46093750e-01, -2.52685547e-02,  4.44335938e-02,
         1.34887695e-02,  1.80664062e-01, -1.08398438e-01,  6.12792969e-02,
         3.35937500e-01,  7.76367188e-02, -2.68554688e-02,  2.71484375e-01,
        -3.49121094e-02, -2.70996094e-02,  1.04492188e-01,  5.56640625e-02,
        -4.37011719e-02,  9.15527344e-03,  1.91406250e-01, -4.93164062e-02,
         1.23535156e-01, -1.54296875e-01, -2.13867188e-01,  2.17285156e-02,
         2.98828125e-01, -8.54492188e-02, -1.04980469e-01,  6.44531250e-02,
        -2.16796875e-01, -3.37890625e-01,  1.02539062e-01,  1.81640625e-01,
        -7.14111328e-03,  5.85937500e-02, -1.92382812e-01,  1.47094727e-02,
         3.63769531e-02, -1.34765625e-01,  1.86523438e-01,  1.18652344e-01,
        -2.57812500e-01,  4.93164062e-02, -2.02148438e-01, -2.51953125e-01,
         6.54296875e-02, -2.36328125e-01, -7.17773438e-02, -6.93359375e-02,
        -9.13085938e-02, -2.89062500e-01,  1.28906250e-01,  6.83593750e-02,
```

```
         1.41601562e-01,  3.06640625e-01,  1.51367188e-01,  1.04003906e-01,
         2.33398438e-01, -1.36718750e-01, -1.61132812e-01,  6.89697266e-03,
         4.15039062e-02, -4.78515625e-02, -7.66601562e-02, -1.29882812e-01,
         3.30078125e-01, -3.17382812e-02,  1.83593750e-01, -3.24707031e-02,
         2.02148438e-01,  1.65039062e-01,  3.65234375e-01, -1.56250000e-01,
        -1.18164062e-01, -1.36718750e-01,  1.91406250e-01, -8.00781250e-02,
        -9.22851562e-02, -1.37695312e-01,  8.05664062e-02, -4.73632812e-02,
         1.83593750e-01,  1.64062500e-01, -1.10351562e-01,  1.45507812e-01,
         1.00585938e-01, -1.42578125e-01,  6.00585938e-02,  1.80664062e-01,
         2.20703125e-01,  1.42578125e-01, -1.33789062e-01,  1.49414062e-01,
        -2.24609375e-01,  9.13085938e-02, -4.95605469e-02,  9.52148438e-03,
         1.16210938e-01,  3.92913818e-04,  8.25195312e-02, -2.16796875e-0
1],
       dtype=float32),
 'outlined': array([-0.3203125 ,  0.01611328,  0.14355469, -0.18359375,  0.
01916504,
        -0.25      ,  0.08496094,  0.06152344,  0.01147461, -0.06884766,
        -0.13769531,  0.21972656,  0.11865234,  0.2421875 , -0.07666016,
        -0.02246094, -0.01623535,  0.14941406, -0.04370117,  0.15332031,
        -0.07666016,  0.18652344, -0.12060547, -0.00726318,  0.04882812,
         0.07275391,  0.03955078,  0.06787109, -0.13964844,  0.25585938,
        -0.11181641, -0.21386719,  0.18457031,  0.21582031, -0.1875    ,
         0.0300293 ,  0.12890625,  0.05810547, -0.01989746, -0.10888672,
        -0.09326172,  0.05712891, -0.08007812,  0.12451172, -0.07421875,
        -0.19824219, -0.14550781, -0.21386719, -0.06689453, -0.15234375,
         0.09863281, -0.00836182, -0.05273438, -0.19042969,  0.00994873,
        -0.08154297, -0.28125   , -0.14355469,  0.12792969,  0.30859375,
        -0.19433594,  0.20410156,  0.11767578,  0.12695312,  0.02941895,
         0.03173828, -0.04516602,  0.31445312,  0.23339844, -0.03063965,
        -0.24414062, -0.12060547,  0.20019531,  0.18652344, -0.06396484,
        -0.12011719,  0.2421875 ,  0.31835938, -0.20019531,  0.08544922,
         0.10839844,  0.0014801 , -0.29882812,  0.16601562,  0.19238281,
        -0.11621094, -0.01055908,  0.01757812, -0.02001953, -0.00744629,
         0.31445312, -0.22363281,  0.00860596,  0.0291748 ,  0.12890625,
        -0.06201172,  0.04174805, -0.22949219, -0.0402832 ,  0.16015625,
         0.04516602, -0.09814453, -0.00897217,  0.04736328, -0.06152344,
        -0.01757812,  0.0612793 ,  0.04467773, -0.19042969,  0.07958984,
        -0.07275391, -0.1171875 ,  0.03295898,  0.16992188,  0.16503906,
        -0.08496094,  0.07470703,  0.03759766,  0.23828125,  0.07714844,
        -0.07080078,  0.16796875,  0.046875  , -0.18261719,  0.08447266,
        -0.27734375, -0.0213623 , -0.02514648, -0.13085938,  0.09228516,
        -0.1953125 , -0.30078125, -0.00823975, -0.11083984,  0.03613281,
         0.05883789, -0.203125  , -0.00222778,  0.14257812,  0.24316406,
        -0.03344727,  0.08300781, -0.24902344, -0.03833008,  0.11816406,
         0.21582031, -0.17773438, -0.08837891,  0.08496094,  0.25195312,
         0.06884766, -0.15234375,  0.02783203,  0.06396484,  0.13085938,
         0.05834961,  0.109375  , -0.00276184, -0.05737305,  0.3046875 ,
         0.23046875,  0.13378906, -0.01623535, -0.19238281, -0.03637695,
         0.05712891,  0.15527344, -0.15039062, -0.04394531, -0.06787109,
         0.08349609, -0.11474609, -0.01721191,  0.09228516,  0.1484375 ,
         0.06005859,  0.10400391,  0.19726562, -0.11279297,  0.12451172,
        -0.16015625,  0.08544922, -0.08886719,  0.10107422,  0.00836182,
         0.08740234, -0.31835938,  0.17382812, -0.03710938,  0.19042969,
        -0.14257812, -0.17285156, -0.00643921, -0.11572266, -0.18164062,
         0.25976562,  0.10351562, -0.06884766,  0.05493164, -0.20019531,
         0.08300781,  0.03930664,  0.09570312, -0.18164062,  0.00976562,
         0.25      ,  0.02966309,  0.02429199,  0.10107422, -0.13867188,
        -0.05419922, -0.0111084 ,  0.09521484,  0.00239563, -0.03173828,
        -0.22753906,  0.27539062,  0.01239014, -0.0133667 , -0.04150391,
         0.02246094, -0.15136719,  0.05517578,  0.11767578,  0.47460938,
        -0.44726562, -0.0324707 ,  0.17480469,  0.08398438, -0.17089844,
        -0.11621094, -0.06884766,  0.21972656,  0.06103516,  0.20214844,
         0.16308594,  0.296875  ,  0.03442383,  0.17773438, -0.09667969,
        -0.12207031,  0.15722656, -0.2578125 , -0.08886719,  0.1796875 ,
```

```
         0.0078125 , -0.18066406,  0.05957031,  0.14648438,  0.06494141,
        -0.30078125,  0.45507812, -0.23242188,  0.04711914,  0.00115204,
        -0.10839844, -0.26953125, -0.24804688, -0.06835938, -0.02490234,
         0.02233887, -0.12695312,  0.16894531, -0.25390625,  0.01879883,
         0.34179688,  0.00805664, -0.21875   , -0.30859375, -0.1328125 ,
         0.1875    , -0.17675781,  0.01379395, -0.14746094, -0.0111084 ,
         0.01104736,  0.12109375, -0.24511719, -0.15039062,  0.07519531,
         0.02453613,  0.26953125, -0.08203125, -0.08203125,  0.06201172,
         0.15820312, -0.15722656,  0.08203125,  0.04321289, -0.01373291,
        -0.28125   , -0.5390625 , -0.13964844, -0.01965332, -0.11767578,
        -0.10742188,  0.23046875,  0.01635742,  0.06347656, -0.03540039],
       dtype=float32),
 'cpr': array([ 0.04223633, -0.08154297,  0.17871094, -0.0222168 , -0.06640
625,
         0.06396484,  0.14160156, -0.13867188, -0.21777344, -0.20898438,
         0.01049805, -0.16113281, -0.24609375,  0.19042969,  0.15625   ,
         0.22265625, -0.00823975,  0.20507812,  0.02954102, -0.08056641,
         0.22949219,  0.05957031,  0.02209473,  0.04711914, -0.27929688,
         0.06933594, -0.22265625,  0.03320312,  0.18066406, -0.19921875,
        -0.03295898,  0.0057373 , -0.18066406, -0.27929688, -0.15039062,
        -0.15039062,  0.10595703,  0.04174805,  0.07373047, -0.24023438,
        -0.07373047,  0.1171875 ,  0.12304688,  0.0859375 ,  0.21484375,
        -0.04101562,  0.01501465, -0.08007812, -0.16308594,  0.20898438,
        -0.1171875 , -0.06933594,  0.01538086, -0.05957031,  0.046875  ,
         0.16210938,  0.06103516,  0.17871094, -0.11425781,  0.10253906,
        -0.203125  , -0.08544922, -0.04614258,  0.03344727,  0.29296875,
        -0.16992188, -0.1328125 , -0.10791016, -0.00265503, -0.07177734,
        -0.12060547,  0.00405884,  0.12402344, -0.1171875 , -0.02160645,
         0.00193787,  0.21386719, -0.00830078,  0.26367188,  0.16503906,
        -0.08837891,  0.10546875,  0.03808594,  0.08154297,  0.15234375,
         0.10839844,  0.19628906,  0.08984375, -0.04174805,  0.01446533,
        -0.13769531,  0.0255127 , -0.11523438, -0.08300781,  0.01483154,
         0.265625  ,  0.12597656,  0.05126953,  0.25      ,  0.03271484,
        -0.01989746, -0.17480469, -0.04150391, -0.02294922,  0.01928711,
         0.13867188, -0.02124023, -0.08496094,  0.20996094,  0.07128906,
         0.16699219,  0.15234375, -0.05029297, -0.09472656, -0.078125  ,
         0.19824219, -0.15136719, -0.04467773, -0.0222168 ,  0.16796875,
        -0.06103516, -0.02624512, -0.0098877 , -0.06738281,  0.36914062,
         0.140625  , -0.15722656,  0.00488281,  0.14160156,  0.06396484,
        -0.07910156, -0.15332031, -0.09082031, -0.04150391, -0.04248047,
        -0.04272461, -0.0177002 , -0.12060547,  0.15917969,  0.3671875 ,
        -0.06298828, -0.11914062, -0.39453125, -0.17871094,  0.02966309,
        -0.11474609, -0.23535156,  0.1484375 ,  0.07226562, -0.03515625,
         0.24414062,  0.01940918, -0.12304688,  0.00463867,  0.13183594,
        -0.13867188, -0.06884766,  0.29882812, -0.01660156, -0.14550781,
         0.05639648, -0.00735474, -0.07421875, -0.125     , -0.00485229,
        -0.3046875 , -0.06738281,  0.00160217, -0.10449219, -0.33203125,
        -0.02404785, -0.00085831, -0.0145874 ,  0.05493164, -0.20507812,
         0.0025177 ,  0.22460938,  0.00134277, -0.02416992, -0.17382812,
         0.05151367, -0.07324219,  0.11425781,  0.12255859,  0.18066406,
         0.11767578, -0.03955078, -0.12109375,  0.05224609, -0.13867188,
         0.10058594, -0.07519531, -0.22851562, -0.12890625,  0.22949219,
        -0.13867188,  0.12695312, -0.33984375,  0.03710938, -0.21875   ,
        -0.25195312,  0.03173828, -0.16992188, -0.14746094,  0.01049805,
        -0.41601562,  0.03491211, -0.07617188,  0.11767578,  0.08203125,
         0.04467773, -0.08349609, -0.30859375,  0.01177979, -0.08642578,
        -0.16699219,  0.27734375, -0.03613281, -0.08105469, -0.18457031,
        -0.05444336,  0.07910156,  0.359375  , -0.06054688,  0.04150391,
        -0.0703125 ,  0.03540039,  0.04418945, -0.10986328, -0.12109375,
         0.15917969, -0.03198242,  0.07421875, -0.26171875, -0.02319336,
        -0.0534668 ,  0.10644531,  0.01153564,  0.05297852,  0.10351562,
         0.12792969,  0.04467773, -0.09619141, -0.03320312,  0.05517578,
        -0.20507812, -0.15332031,  0.20410156, -0.24609375, -0.43164062,
         0.02294922,  0.03015137, -0.00564575, -0.08935547,  0.16113281,
```

```
         0.00927734, -0.06689453, -0.09179688,  0.06030273, -0.0456543 ,
        -0.0390625 ,  0.09765625,  0.04980469, -0.390625  , -0.01586914,
        -0.1796875 ,  0.28710938, -0.03930664,  0.09619141, -0.19042969,
        -0.02648926,  0.00411987,  0.09472656,  0.33398438,  0.00271606,
        -0.05834961,  0.07177734, -0.11474609, -0.17578125,  0.01586914,
        -0.05126953,  0.17089844,  0.01312256,  0.08984375, -0.02758789,
         0.171875  ,  0.01068115, -0.07861328,  0.10400391,  0.28320312,
        -0.00311279,  0.0279541 , -0.07519531,  0.14746094, -0.18847656,
         0.09765625, -0.29296875,  0.13476562, -0.17773438,  0.08935547],
       dtype=float32),
 'first': array([ 0.12255859, -0.08935547,  0.02697754,  0.07373047,  0.063
96484,
        -0.171875  , -0.17480469, -0.09912109,  0.22460938,  0.11914062,
        -0.03271484, -0.22070312,  0.02404785,  0.06640625,  0.00058365,
        -0.14648438,  0.04174805, -0.08837891,  0.11474609,  0.02453613,
        -0.12792969,  0.07568359, -0.17480469, -0.06494141, -0.05908203,
         0.00491333,  0.02502441,  0.04614258,  0.08886719,  0.27539062,
        -0.1640625 , -0.08105469, -0.09326172,  0.03540039,  0.04467773,
         0.04248047, -0.10302734, -0.18359375,  0.04785156,  0.04150391,
         0.10546875, -0.2734375 ,  0.06396484,  0.09277344,  0.13671875,
         0.1796875 ,  0.04199219, -0.05444336, -0.01019287,  0.01464844,
         0.09472656, -0.05175781,  0.14355469,  0.12792969, -0.11181641,
         0.08300781, -0.05029297, -0.0625    ,  0.01373291, -0.0177002 ,
        -0.18164062, -0.04467773, -0.06103516, -0.18359375, -0.07617188,
         0.05810547,  0.03735352,  0.08203125,  0.04614258,  0.2109375 ,
        -0.02294922, -0.03857422,  0.01104736,  0.08642578, -0.09912109,
         0.05981445,  0.00460815,  0.19335938, -0.00872803,  0.09960938,
         0.11083984,  0.01147461, -0.11132812, -0.03930664,  0.07666016,
        -0.16601562, -0.15136719, -0.00860596,  0.01348877, -0.02270508,
         0.01507568, -0.05859375, -0.12695312, -0.10400391, -0.01782227,
        -0.19824219, -0.10742188, -0.08203125, -0.19335938,  0.22753906,
         0.02783203, -0.15917969,  0.00680542, -0.12695312, -0.16015625,
         0.02319336, -0.01586914, -0.0390625 , -0.02050781, -0.01251221,
         0.18457031,  0.03710938, -0.05908203,  0.00466919,  0.12304688,
         0.07128906,  0.00952148,  0.06982422,  0.16308594,  0.07421875,
        -0.10742188, -0.09228516, -0.0234375 ,  0.11376953,  0.00613403,
         0.06347656,  0.06176758, -0.12060547,  0.06176758,  0.23925781,
        -0.13964844,  0.01586914, -0.2890625 ,  0.03173828,  0.01257324,
        -0.08691406,  0.05371094,  0.01904297, -0.06982422,  0.06689453,
        -0.16894531, -0.00190735,  0.13671875, -0.02246094, -0.09375   ,
         0.10107422, -0.10498047, -0.09423828, -0.05541992, -0.12792969,
        -0.05493164,  0.07128906, -0.12695312,  0.17285156,  0.02478027,
         0.12158203, -0.09619141, -0.02233887, -0.00897217, -0.09765625,
        -0.10742188, -0.09082031,  0.11328125, -0.13476562,  0.02661133,
         0.06152344,  0.109375  , -0.04321289, -0.01092529, -0.02624512,
         0.04541016, -0.17285156,  0.09277344, -0.02038574,  0.00357056,
         0.04125977,  0.04418945, -0.07373047, -0.0324707 , -0.07080078,
        -0.04589844, -0.26757812,  0.0168457 ,  0.18164062, -0.06298828,
         0.05395508,  0.00631714,  0.03955078,  0.13671875,  0.0534668 ,
         0.03198242, -0.05297852,  0.03369141,  0.00439453,  0.02783203,
        -0.04174805,  0.18945312,  0.07080078, -0.11181641, -0.1328125 ,
         0.0014801 ,  0.08154297,  0.1171875 ,  0.06542969,  0.05957031,
        -0.15722656,  0.02075195,  0.03710938,  0.04833984, -0.04711914,
        -0.14550781,  0.2421875 ,  0.07080078,  0.14257812,  0.01342773,
        -0.0612793 ,  0.04199219, -0.06884766,  0.00836182, -0.16699219,
        -0.05737305,  0.20507812,  0.07275391,  0.08691406,  0.10009766,
        -0.05126953, -0.00144958,  0.02441406, -0.00390625, -0.00982666,
        -0.02478027,  0.04077148, -0.0703125 ,  0.10595703,  0.03222656,
        -0.09277344,  0.08056641, -0.06542969, -0.1171875 , -0.03369141,
         0.0291748 , -0.0859375 ,  0.13085938, -0.18261719,  0.06445312,
        -0.04345703,  0.08691406,  0.08935547,  0.11474609, -0.07617188,
        -0.03198242, -0.15527344,  0.02355957, -0.12207031, -0.01708984,
         0.14453125,  0.10400391, -0.06689453, -0.18945312, -0.21679688,
         0.0255127 ,  0.1484375 , -0.05566406,  0.00150299,  0.01489258,
```

```
         0.01397705,  0.05322266, -0.0703125 , -0.18652344,  0.11621094,
        -0.04931641,  0.03930664,  0.24609375,  0.08740234,  0.0859375 ,
        -0.14257812, -0.20214844, -0.08691406, -0.1484375 , -0.14648438,
         0.17578125,  0.04663086, -0.01977539,  0.18261719, -0.04272461,
        -0.03979492, -0.08007812, -0.1171875 , -0.09472656,  0.10839844,
        -0.09179688, -0.03540039, -0.07421875,  0.05932617,  0.04467773,
        -0.04199219, -0.14648438, -0.06396484, -0.07177734, -0.13867188],
       dtype=float32),
 'aid': array([ 0.25976562,  0.05371094,  0.04199219,  0.25390625, -0.01263
428,
         0.265625  , -0.15234375, -0.27929688,  0.140625  , -0.37695312,
         0.09521484, -0.07617188, -0.02697754,  0.31835938,  0.078125  ,
        -0.17285156, -0.12060547,  0.05566406, -0.06152344, -0.21191406,
         0.1328125 ,  0.32226562,  0.1640625 ,  0.06445312,  0.23046875,
        -0.05517578, -0.24707031,  0.01257324,  0.0378418 , -0.05322266,
        -0.10546875, -0.2421875 , -0.11572266, -0.12890625, -0.14257812,
         0.0189209 , -0.10888672,  0.12695312, -0.19042969,  0.23925781,
         0.12451172, -0.01062012,  0.02185059,  0.11181641,  0.08691406,
         0.0625    , -0.11816406,  0.07861328, -0.0559082 ,  0.24804688,
         0.14453125, -0.19335938, -0.25585938, -0.07568359, -0.1015625 ,
        -0.2578125 , -0.42382812,  0.1953125 , -0.17675781,  0.08349609,
        -0.22265625, -0.24121094,  0.02075195, -0.22460938,  0.19726562,
        -0.34960938,  0.06225586, -0.10498047, -0.15429688, -0.18847656,
        -0.15234375, -0.11181641,  0.06103516, -0.03198242, -0.07763672,
         0.03198242, -0.01647949,  0.13671875,  0.21582031,  0.02661133,
        -0.02526855, -0.04345703, -0.10595703,  0.32226562, -0.1796875 ,
        -0.12011719,  0.08154297, -0.0625    ,  0.0612793 ,  0.09375   ,
         0.04321289,  0.04858398, -0.04467773, -0.23535156,  0.12695312,
        -0.1484375 ,  0.08886719, -0.09960938,  0.08886719, -0.00762939,
         0.04101562, -0.08496094, -0.04077148,  0.01293945, -0.02490234,
        -0.03613281,  0.06542969, -0.22558594,  0.0291748 , -0.05029297,
         0.01159668,  0.12451172,  0.19726562,  0.328125  , -0.15332031,
         0.16210938,  0.02160645,  0.18164062,  0.1015625 ,  0.234375  ,
        -0.02539062,  0.16601562, -0.03100586,  0.00817871, -0.07519531,
         0.05737305, -0.16796875, -0.09179688,  0.2578125 , -0.02832031,
        -0.0859375 , -0.01574707, -0.13476562, -0.10205078, -0.20703125,
         0.1796875 , -0.04199219, -0.19140625, -0.00866699,  0.17285156,
        -0.11523438, -0.06298828,  0.11816406,  0.21582031, -0.17578125,
        -0.22070312, -0.09521484,  0.10498047, -0.12207031, -0.02624512,
         0.03088379, -0.14941406, -0.27929688, -0.17382812,  0.17285156,
        -0.37890625, -0.15820312,  0.15722656, -0.22949219, -0.30664062,
         0.00704956, -0.08056641, -0.08398438,  0.08544922, -0.14746094,
        -0.28710938,  0.07861328, -0.19628906,  0.18847656,  0.00334167,
        -0.0222168 ,  0.06347656, -0.16308594, -0.10693359,  0.01940918,
        -0.01611328,  0.20117188, -0.02490234, -0.25585938, -0.06005859,
        -0.31835938, -0.12255859,  0.03686523, -0.0032959 ,  0.01513672,
         0.09228516,  0.05908203, -0.21777344,  0.02490234, -0.3125    ,
         0.13964844, -0.00286865,  0.24902344, -0.10253906, -0.16015625,
         0.04833984,  0.06176758, -0.47851562,  0.08544922, -0.1328125 ,
        -0.02844238,  0.06640625,  0.078125  , -0.10351562, -0.12597656,
         0.04589844,  0.00393677, -0.06738281,  0.00299072, -0.00787354,
        -0.05224609, -0.15722656,  0.07470703,  0.22753906,  0.1328125 ,
        -0.08056641,  0.06298828, -0.05249023, -0.24121094, -0.20605469,
         0.05444336, -0.00579834,  0.04296875,  0.11669922, -0.04077148,
        -0.04418945, -0.00799561,  0.08154297,  0.23535156, -0.01879883,
         0.18261719,  0.28515625,  0.00352478, -0.12695312,  0.15429688,
        -0.296875  , -0.04321289, -0.28125   ,  0.2265625 , -0.05859375,
         0.23046875,  0.19140625, -0.08789062,  0.140625  ,  0.06152344,
        -0.30078125,  0.12695312, -0.18847656,  0.203125  , -0.06542969,
         0.03686523, -0.3359375 , -0.03588867,  0.10009766,  0.00939941,
        -0.09423828,  0.234375  , -0.0378418 , -0.1171875 ,  0.10693359,
        -0.09033203,  0.10546875, -0.25585938,  0.10498047,  0.05786133,
         0.16601562, -0.08837891, -0.00065613, -0.11669922, -0.35546875,
         0.11230469,  0.02636719, -0.01544189,  0.04785156, -0.12988281,
```

```
        -0.09130859, -0.07714844, -0.23144531,  0.00210571, -0.1484375 ,
        -0.3515625 , -0.02819824,  0.15527344,  0.27539062,  0.03735352,
         0.14160156, -0.13476562,  0.24707031,  0.42773438, -0.21972656,
        -0.3515625 , -0.125     , -0.04296875, -0.3046875 ,  0.15039062,
         0.16503906, -0.31445312,  0.265625  ,  0.02160645, -0.00717163],
       dtype=float32),
 'please': array([ 0.03100586,  0.12109375,  0.13964844, -0.00248718, -0.02
368164,
         0.11328125,  0.24023438,  0.23046875, -0.18457031, -0.08837891,
        -0.21972656, -0.01794434,  0.07080078, -0.01092529, -0.0008316 ,
         0.22265625,  0.21972656, -0.23632812,  0.08105469, -0.07275391,
         0.28710938,  0.00254822,  0.25390625,  0.17285156, -0.07714844,
         0.39453125, -0.15820312, -0.02392578, -0.06103516,  0.06176758,
         0.33789062, -0.1796875 , -0.35351562, -0.203125  , -0.31835938,
         0.00738525,  0.20898438,  0.07177734, -0.00897217, -0.02612305,
         0.13671875, -0.34765625,  0.21289062,  0.05664062,  0.09423828,
        -0.21289062,  0.02404785,  0.234375  ,  0.04980469, -0.32421875,
        -0.17285156, -0.01422119,  0.24414062,  0.37109375,  0.19824219,
         0.1171875 ,  0.23535156,  0.09423828,  0.09179688, -0.07714844,
         0.01831055, -0.05810547, -0.234375  , -0.25585938, -0.10644531,
        -0.06982422, -0.06835938,  0.01940918,  0.2421875 ,  0.24609375,
         0.4453125 ,  0.0859375 , -0.08886719,  0.16210938, -0.18652344,
        -0.32617188,  0.19726562,  0.21289062,  0.4765625 ,  0.453125  ,
        -0.10400391, -0.1640625 ,  0.09082031,  0.0255127 , -0.03613281,
         0.06542969, -0.05810547, -0.12597656, -0.02282715,  0.41210938,
         0.34765625,  0.01879883,  0.14257812, -0.20019531, -0.19628906,
         0.2734375 ,  0.40429688,  0.08935547,  0.06298828,  0.30859375,
        -0.20703125,  0.05883789, -0.05395508,  0.1328125 , -0.08886719,
         0.15429688, -0.01831055,  0.21582031,  0.14453125,  0.2265625 ,
        -0.421875  , -0.22753906, -0.14355469, -0.203125  ,  0.01989746,
        -0.09326172, -0.02697754, -0.17675781,  0.30273438, -0.15429688,
         0.234375  ,  0.20605469, -0.23535156,  0.06542969, -0.01806641,
        -0.11474609, -0.3515625 , -0.00463867,  0.38085938, -0.06835938,
        -0.41601562, -0.25390625, -0.15722656,  0.22460938,  0.2890625 ,
        -0.08740234,  0.06347656, -0.2890625 ,  0.2421875 ,  0.18652344,
         0.13964844, -0.18261719, -0.07324219, -0.25195312,  0.33789062,
         0.16308594, -0.00222778, -0.36132812,  0.02746582,  0.01611328,
         0.33984375, -0.03466797,  0.02893066, -0.12060547, -0.02380371,
        -0.10644531,  0.12597656,  0.31835938, -0.40039062, -0.12695312,
         0.17089844,  0.19335938, -0.0546875 , -0.11816406,  0.20800781,
        -0.13769531,  0.06787109,  0.01586914, -0.2265625 ,  0.10107422,
        -0.20703125,  0.04467773,  0.15527344,  0.14550781, -0.22167969,
        -0.05493164,  0.01574707, -0.04370117, -0.16015625, -0.03710938,
        -0.0703125 ,  0.24804688,  0.19042969, -0.05883789, -0.04418945,
         0.09423828, -0.34765625, -0.02722168,  0.23632812,  0.22070312,
         0.02612305,  0.22363281, -0.03222656, -0.33984375,  0.24121094,
         0.38476562,  0.29296875, -0.03149414, -0.16699219, -0.26171875,
        -0.25390625,  0.09521484, -0.23730469,  0.15625   , -0.32226562,
        -0.10791016, -0.09814453, -0.07958984,  0.0189209 ,  0.02490234,
        -0.02587891,  0.02893066, -0.08984375, -0.02172852, -0.2578125 ,
        -0.03637695,  0.17480469,  0.0168457 , -0.2734375 , -0.22167969,
         0.01525879,  0.08398438, -0.25976562, -0.37695312,  0.02832031,
        -0.12304688,  0.31640625, -0.10742188, -0.24707031, -0.05126953,
         0.03344727, -0.01611328, -0.06225586, -0.06347656,  0.09667969,
         0.00698853,  0.20898438,  0.02526855,  0.28125   , -0.18554688,
         0.10644531,  0.171875  ,  0.08056641, -0.07617188,  0.1953125 ,
         0.04223633,  0.02575684,  0.23828125, -0.33984375, -0.02966309,
        -0.03271484,  0.02587891,  0.04174805, -0.03198242,  0.359375  ,
        -0.17773438,  0.12158203, -0.16113281, -0.29492188,  0.05102539,
        -0.07226562, -0.08496094, -0.0090332 , -0.09130859,  0.05932617,
         0.203125  , -0.13085938,  0.02197266,  0.09472656, -0.4140625 ,
         0.01062012,  0.37890625,  0.15527344,  0.18554688, -0.01116943,
         0.07177734,  0.00735474, -0.23632812, -0.34960938,  0.20703125,
        -0.01831055,  0.03320312, -0.19140625,  0.17382812,  0.08935547,
```

```
         0.45898438,  0.02624512,  0.02307129,  0.09179688, -0.296875  ,
        -0.14453125,  0.09765625, -0.1484375 , -0.03710938,  0.4375    ,
        -0.20507812,  0.10644531, -0.23144531, -0.15527344, -0.12402344],
       dtype=float32),
 'visit': array([-0.12597656,  0.12451172,  0.00358582,  0.015625  ,  0.111
81641,
         0.22949219,  0.19335938, -0.45507812, -0.00473022,  0.16113281,
         0.0390625 ,  0.01190186, -0.10107422,  0.13964844,  0.24414062,
         0.0390625 , -0.1484375 ,  0.18457031, -0.1640625 ,  0.12792969,
         0.07080078,  0.26757812, -0.0859375 ,  0.24414062, -0.34179688,
         0.03686523,  0.14355469, -0.21191406,  0.00915527,  0.03369141,
         0.02807617, -0.0390625 , -0.47460938, -0.02038574,  0.11376953,
        -0.19726562,  0.05786133,  0.04736328,  0.140625  ,  0.1875    ,
        -0.08300781, -0.1875    , -0.11474609, -0.0859375 , -0.03710938,
        -0.06884766, -0.11279297,  0.22363281, -0.3828125 ,  0.22753906,
         0.37304688,  0.22753906,  0.265625  ,  0.11083984, -0.03271484,
        -0.16015625, -0.19335938,  0.0111084 ,  0.19824219, -0.0177002 ,
         0.01245117, -0.09472656, -0.11523438, -0.02270508, -0.38476562,
        -0.09472656, -0.2265625 , -0.24707031,  0.24511719,  0.02258301,
         0.20605469, -0.15136719, -0.34765625, -0.05859375,  0.09765625,
        -0.03442383,  0.12353516,  0.03979492,  0.02856445,  0.41015625,
        -0.02185059, -0.02624512,  0.03710938,  0.01647949,  0.20605469,
        -0.04223633, -0.234375  , -0.421875  , -0.09033203,  0.12890625,
         0.09082031, -0.25585938, -0.06542969, -0.30664062, -0.08154297,
         0.07226562,  0.37890625,  0.24707031,  0.05639648, -0.07080078,
         0.18457031, -0.25390625, -0.10791016,  0.265625  ,  0.05541992,
         0.12597656,  0.0213623 , -0.0390625 , -0.08056641,  0.13183594,
         0.02758789,  0.12158203, -0.04418945, -0.19628906,  0.01660156,
        -0.20117188,  0.20800781, -0.10351562,  0.49023438, -0.02416992,
         0.00619507,  0.08203125,  0.09179688,  0.09423828, -0.203125  ,
         0.20800781,  0.04394531, -0.05834961,  0.19921875, -0.0145874 ,
        -0.359375  , -0.17578125,  0.34765625, -0.03369141, -0.03759766,
        -0.13671875,  0.09423828, -0.00558472, -0.10449219,  0.43164062,
         0.12158203, -0.01300049, -0.2265625 , -0.13867188,  0.28515625,
        -0.06933594,  0.0559082 , -0.15625   , -0.21191406,  0.02966309,
         0.25390625,  0.00424194,  0.01031494,  0.04077148, -0.0090332 ,
        -0.37695312, -0.19433594, -0.02905273, -0.18164062, -0.17578125,
         0.08300781,  0.04125977, -0.1015625 , -0.06689453, -0.02197266,
        -0.11425781,  0.13769531, -0.1328125 , -0.08740234, -0.0859375 ,
         0.09912109,  0.08837891,  0.25390625,  0.01422119, -0.23828125,
         0.00946045, -0.11865234,  0.27148438, -0.02941895, -0.13085938,
        -0.234375  ,  0.03173828,  0.25390625, -0.12304688,  0.33789062,
        -0.00267029,  0.14941406, -0.04394531, -0.0625    ,  0.09570312,
         0.05517578,  0.07470703,  0.16503906, -0.07373047,  0.18359375,
         0.20703125,  0.02246094,  0.21777344, -0.09667969, -0.12207031,
         0.07226562,  0.48046875, -0.04736328,  0.05419922,  0.27539062,
        -0.10595703,  0.1953125 ,  0.00982666,  0.09521484, -0.04833984,
         0.11572266, -0.01049805, -0.22363281,  0.04199219, -0.0246582 ,
         0.33203125,  0.17578125, -0.06640625,  0.00238037, -0.01434326,
         0.20703125, -0.01843262,  0.13378906,  0.13183594,  0.06933594,
        -0.31640625, -0.05273438,  0.32226562, -0.0456543 ,  0.05249023,
         0.23242188,  0.1015625 , -0.02819824, -0.33203125,  0.38671875,
         0.10839844,  0.08544922,  0.10302734, -0.14648438, -0.04150391,
        -0.04907227,  0.00811768,  0.02001953, -0.19238281,  0.08447266,
        -0.00442505, -0.01428223, -0.00466919, -0.00212097, -0.15429688,
        -0.11132812,  0.12695312,  0.0534668 , -0.15917969,  0.17773438,
         0.2578125 , -0.01647949,  0.03637695, -0.21679688,  0.09326172,
        -0.01696777,  0.07324219,  0.07226562,  0.12255859,  0.1953125 ,
         0.05493164,  0.18554688,  0.06445312, -0.0625    ,  0.02502441,
         0.16503906,  0.11962891, -0.00393677,  0.19335938,  0.359375  ,
        -0.296875  ,  0.09716797, -0.13378906, -0.26757812,  0.10107422,
         0.03222656, -0.14160156, -0.08056641,  0.12890625,  0.15527344,
         0.17871094, -0.56640625,  0.26757812, -0.23046875, -0.21191406,
        -0.11035156,  0.11767578, -0.08007812, -0.10693359,  0.24707031,
```

```
        -0.01306152,  0.03710938,  0.03637695,  0.13769531, -0.23828125],
       dtype=float32),
 'page': array([ 1.76757812e-01,  2.92968750e-02,  1.03149414e-02, -2.19726
562e-01,
        -1.36108398e-02, -2.85644531e-02,  2.50244141e-02, -1.76757812e-01,
         1.37695312e-01, -4.98046875e-02,  2.09960938e-01, -5.59082031e-02,
         1.06445312e-01,  2.05078125e-01,  7.95898438e-02, -1.03027344e-01,
         8.36181641e-03, -8.83789062e-02,  2.15820312e-01, -5.90820312e-02,
         2.75390625e-01,  1.10839844e-01, -2.15820312e-01, -3.19824219e-02,
        -1.20605469e-01,  3.03649902e-03,  3.22265625e-02,  1.11328125e-01,
         9.42382812e-02,  5.49316406e-02, -2.24609375e-01, -1.87500000e-01,
        -1.90429688e-01,  3.39843750e-01,  1.12304688e-01,  1.33789062e-01,
         9.08203125e-02,  3.47656250e-01, -5.29785156e-02,  7.61718750e-02,
         1.61132812e-02, -1.78710938e-01, -3.68652344e-02,  2.59765625e-01,
         1.06933594e-01, -1.55273438e-01,  2.27539062e-01, -7.38525391e-03,
        -1.05957031e-01, -1.52343750e-01, -7.32421875e-02, -1.87500000e-01,
         2.07519531e-03, -1.63085938e-01, -1.00097656e-02, -4.39453125e-02,
         1.08886719e-01, -6.64062500e-02, -1.00097656e-01, -4.07714844e-02,
         3.51562500e-02, -1.97753906e-02, -1.20605469e-01,  1.27929688e-01,
        -1.05468750e-01,  3.17382812e-02,  3.44238281e-02, -2.86865234e-02,
         3.04687500e-01,  2.89062500e-01,  1.26953125e-02, -6.98242188e-02,
         9.66796875e-02, -9.52148438e-02,  1.67968750e-01,  1.39770508e-02,
         4.00390625e-01,  1.23291016e-02, -1.30004883e-02,  6.68945312e-02,
         1.76757812e-01,  3.75976562e-02,  1.40625000e-01,  2.35351562e-01,
         1.70898438e-01, -1.51367188e-01,  9.32617188e-02, -3.44238281e-02,
         3.85742188e-02, -2.71484375e-01,  1.73828125e-01, -1.68945312e-01,
         2.78320312e-02, -2.71484375e-01, -5.12695312e-02,  1.50390625e-01,
        -7.41577148e-03,  2.55126953e-02,  9.71679688e-02,  2.36328125e-01,
        -3.58886719e-02, -1.40625000e-01, -5.15136719e-02, -1.62109375e-01,
        -1.40625000e-01,  2.50244141e-02, -1.95312500e-01,  5.71289062e-02,
         2.41210938e-01,  1.32812500e-01, -5.83496094e-02, -6.68945312e-02,
        -1.61132812e-01,  5.10253906e-02,  2.92968750e-01, -2.20947266e-02,
        -1.47460938e-01, -3.27148438e-02,  8.54492188e-02,  5.51757812e-02,
         4.31060791e-04, -3.63281250e-01, -3.67187500e-01,  1.25000000e-01,
         6.34765625e-02, -1.03027344e-01,  1.00097656e-01,  8.20312500e-02,
        -6.34765625e-02,  2.12097168e-03, -4.10156250e-01, -1.91406250e-01,
         4.56542969e-02,  7.76367188e-02,  1.17675781e-01, -7.86132812e-02,
        -1.36718750e-01, -1.18164062e-01,  2.45117188e-01, -1.25976562e-01,
         2.01171875e-01,  7.32421875e-02, -9.66796875e-02, -2.53906250e-01,
         4.66308594e-02, -5.32226562e-02, -1.20117188e-01, -6.49414062e-02,
        -1.15234375e-01, -1.89453125e-01,  1.51367188e-01,  2.08007812e-01,
         2.30468750e-01, -1.52587891e-02,  2.20703125e-01, -4.51171875e-01,
        -1.59179688e-01, -1.03515625e-01, -1.62109375e-01,  1.38671875e-01,
         5.88378906e-02,  2.98828125e-01,  2.92968750e-01, -1.51367188e-01,
         1.84570312e-01, -1.43554688e-01, -2.81982422e-02, -3.56445312e-02,
        -1.98242188e-01,  7.95898438e-02, -1.10351562e-01,  1.47247314e-03,
        -6.25000000e-02,  1.61132812e-01, -1.24511719e-01, -1.15356445e-02,
         3.08837891e-02, -4.90722656e-02, -2.69775391e-02, -9.42382812e-02,
        -2.05078125e-01, -1.43554688e-01, -1.14746094e-01, -2.60009766e-02,
        -4.90722656e-02,  7.81250000e-02, -2.23632812e-01,  3.98437500e-01,
         1.23901367e-02, -1.01074219e-01,  4.33593750e-01, -8.20312500e-02,
        -2.71484375e-01, -1.33789062e-01, -1.04003906e-01,  2.55859375e-01,
        -7.12890625e-02,  2.47802734e-02, -4.15039062e-02, -4.41894531e-02,
        -1.26953125e-01,  2.06054688e-01, -1.92382812e-01, -8.30078125e-02,
         2.61718750e-01,  1.64062500e-01, -2.23388672e-02,  8.36181641e-03,
        -1.24511719e-01,  2.08984375e-01, -8.97216797e-03,  1.30859375e-01,
        -1.31835938e-01,  6.20117188e-02, -1.46484375e-01,  1.41601562e-01,
         9.17968750e-02,  2.83203125e-01, -1.40625000e-01,  7.61718750e-02,
         2.39257812e-01,  1.27929688e-01, -1.13769531e-01,  8.78906250e-02,
         6.68945312e-02, -2.33398438e-01, -1.66015625e-02,  1.52343750e-01,
        -9.08203125e-02, -5.07812500e-02, -1.45507812e-01, -6.73828125e-02,
         4.54101562e-02, -3.47656250e-01, -1.66992188e-01, -1.16210938e-01,
         2.18750000e-01,  1.54296875e-01,  2.79296875e-01, -2.03857422e-02,
         8.05664062e-02,  3.68652344e-02, -7.71484375e-02, -2.49023438e-01,
```

```
         1.51367188e-01,  2.45361328e-02, -3.58886719e-02,  3.61328125e-01,
        -1.83593750e-01,  1.70898438e-01, -1.11083984e-02,  3.22265625e-01,
        -2.22656250e-01,  1.52587891e-02,  1.36718750e-01, -3.88671875e-01,
        -8.83789062e-02,  1.23046875e-01, -1.07421875e-01, -1.36718750e-02,
         6.01196289e-03,  3.71093750e-02,  3.44238281e-02, -2.25585938e-01,
         1.57470703e-02,  1.63085938e-01,  6.88476562e-02, -3.83300781e-02,
        -1.66992188e-01, -1.75781250e-01,  3.37890625e-01,  3.75000000e-01,
        -1.77734375e-01,  1.30859375e-01,  1.12152100e-03,  6.07910156e-02,
        -1.35498047e-02, -1.13281250e-01, -4.27246094e-02, -5.76171875e-02,
        -6.00585938e-02,  5.27954102e-03, -2.05078125e-01,  4.72656250e-01,
         1.64062500e-01, -2.45361328e-02, -2.61718750e-01,  2.67578125e-01,
         5.22460938e-02, -4.00390625e-02,  1.94335938e-01, -1.42578125e-01,
        -2.73437500e-01,  2.87109375e-01, -3.14941406e-02, -2.44140625e-01,
         5.68847656e-02, -2.22656250e-01, -1.41601562e-02, -8.93554688e-0
2],
       dtype=float32),
 'indeed': array([ 0.08300781,  0.0324707 ,  0.00466919,  0.16601562, -0.14
941406,
         0.12792969,  0.09814453, -0.00396729,  0.10058594,  0.14941406,
        -0.12792969, -0.23046875, -0.12597656,  0.06445312, -0.09521484,
         0.23828125,  0.13867188,  0.04858398,  0.03735352, -0.01904297,
         0.03588867, -0.02856445,  0.16308594, -0.1015625 ,  0.15234375,
        -0.06689453, -0.18457031,  0.00598145, -0.08544922,  0.19824219,
        -0.07958984, -0.00787354,  0.04882812,  0.09472656, -0.04077148,
         0.06591797,  0.15039062,  0.0625    ,  0.06884766,  0.03393555,
         0.13671875,  0.16894531,  0.05078125, -0.07470703,  0.17480469,
         0.05688477, -0.03417969,  0.06396484,  0.00358582, -0.05493164,
         0.05810547,  0.03076172,  0.03955078, -0.03466797,  0.13183594,
         0.08691406,  0.05102539, -0.11621094,  0.0703125 , -0.01141357,
         0.02294922,  0.20996094, -0.02514648, -0.15917969, -0.18261719,
        -0.06640625,  0.00343323,  0.10400391, -0.25585938, -0.0390625 ,
        -0.0078125 ,  0.04736328,  0.13769531, -0.06835938, -0.02893066,
        -0.1015625 , -0.01501465,  0.203125  ,  0.06494141,  0.25585938,
         0.06640625, -0.12695312,  0.11669922, -0.19921875, -0.17285156,
        -0.06884766, -0.07861328,  0.06640625, -0.04101562, -0.09912109,
         0.04077148, -0.10009766,  0.0027771 , -0.0123291 ,  0.04858398,
        -0.04248047,  0.07958984,  0.1171875 ,  0.07666016, -0.11816406,
        -0.00708008,  0.02099609,  0.09570312,  0.04174805, -0.11328125,
        -0.13085938, -0.07470703, -0.01092529, -0.05541992, -0.00130463,
        -0.09277344,  0.09570312, -0.02636719,  0.16113281,  0.15527344,
        -0.00601196,  0.03149414,  0.08886719,  0.08203125,  0.05688477,
        -0.06225586, -0.13867188, -0.11083984, -0.08935547, -0.23632812,
         0.15820312, -0.13085938, -0.07421875, -0.03198242, -0.01080322,
         0.02050781, -0.08886719,  0.00854492, -0.12988281, -0.01348877,
        -0.0859375 ,  0.10644531, -0.0234375 ,  0.00823975,  0.13574219,
        -0.02844238, -0.11914062, -0.00184631,  0.07861328, -0.03857422,
         0.04101562, -0.08642578, -0.0546875 ,  0.04760742,  0.01043701,
         0.00396729,  0.07568359, -0.17871094,  0.0043335 , -0.01049805,
        -0.05615234, -0.10791016, -0.03344727, -0.04345703, -0.08447266,
        -0.14453125,  0.006073  ,  0.09179688, -0.0625    ,  0.04003906,
        -0.26171875,  0.08056641,  0.01190186, -0.23046875,  0.07226562,
         0.1015625 ,  0.04980469,  0.0213623 , -0.22949219, -0.05712891,
         0.01306152, -0.00558472, -0.25195312,  0.08837891, -0.15429688,
        -0.09765625, -0.10693359, -0.04248047, -0.13085938,  0.02282715,
         0.05029297, -0.09375   , -0.07861328, -0.01721191,  0.0859375 ,
         0.0456543 ,  0.08642578,  0.08447266, -0.02441406, -0.05834961,
        -0.04077148,  0.0859375 , -0.00134277,  0.11181641, -0.11572266,
         0.17578125,  0.10058594, -0.07275391, -0.05444336,  0.03295898,
        -0.02099609, -0.15429688,  0.18457031,  0.00448608, -0.04736328,
         0.00579834,  0.06542969, -0.01422119, -0.06445312, -0.16503906,
         0.04516602,  0.21972656, -0.10498047, -0.12353516,  0.24023438,
         0.01867676,  0.06079102, -0.18261719,  0.13671875,  0.125     ,
         0.1015625 ,  0.07470703, -0.06494141,  0.078125  ,  0.04370117,
         0.06396484, -0.02539062,  0.04736328, -0.08886719,  0.07861328,
```

```
         0.05566406,  0.02160645, -0.05712891,  0.14355469, -0.03637695,
         0.00346375, -0.06225586,  0.04199219, -0.01373291, -0.00772095,
        -0.06933594,  0.01855469,  0.01098633, -0.04492188,  0.09375   ,
        -0.00124359,  0.07666016,  0.14648438,  0.13378906,  0.11914062,
        -0.00775146,  0.03808594,  0.06176758, -0.0703125 , -0.10107422,
         0.18164062, -0.09570312,  0.00753784,  0.2421875 , -0.00350952,
         0.1953125 , -0.08007812, -0.01928711, -0.05761719,  0.02038574,
         0.01220703,  0.08398438,  0.19628906,  0.07763672,  0.05126953,
        -0.1640625 ,  0.05810547, -0.06201172, -0.01745605,  0.1640625 ,
         0.06445312, -0.08496094,  0.00445557, -0.09814453,  0.05249023,
        -0.06054688, -0.12890625, -0.20019531, -0.05957031,  0.14453125,
        -0.0189209 , -0.07080078,  0.08398438,  0.09960938,  0.06835938,
        -0.0534668 ,  0.04443359, -0.12060547,  0.12890625, -0.00213623],
       dtype=float32),
 'learn': array([-0.09716797,  0.03088379, -0.15136719,  0.05029297, -0.031
98242,
         0.13574219,  0.19042969,  0.12988281, -0.05566406, -0.12060547,
         0.11132812,  0.08740234, -0.14550781,  0.02587891, -0.11035156,
         0.21679688, -0.16992188,  0.35546875,  0.06396484,  0.04614258,
         0.01916504,  0.19628906,  0.04711914,  0.17773438, -0.15332031,
         0.06347656,  0.2265625 , -0.24023438,  0.08886719, -0.18652344,
         0.00878906,  0.07177734, -0.28515625, -0.11376953,  0.08251953,
        -0.00273132,  0.16894531, -0.10595703,  0.265625  , -0.02197266,
         0.01043701, -0.15527344, -0.04296875,  0.00921631, -0.13867188,
        -0.00384521, -0.23925781,  0.23730469, -0.04711914,  0.04736328,
        -0.0168457 ,  0.18652344,  0.13769531, -0.11669922, -0.10058594,
         0.05908203, -0.08837891, -0.2890625 , -0.01220703, -0.00793457,
         0.2578125 , -0.15429688,  0.05761719, -0.24902344,  0.12060547,
        -0.1875    , -0.0123291 , -0.00665283,  0.23730469,  0.17480469,
         0.14160156,  0.03662109,  0.17480469, -0.06689453, -0.0300293 ,
        -0.2421875 ,  0.09033203,  0.171875  ,  0.17871094,  0.30273438,
         0.02087402,  0.07275391,  0.04370117,  0.09033203, -0.08056641,
        -0.08544922, -0.18554688,  0.09863281,  0.03564453,  0.19726562,
         0.01928711,  0.03759766, -0.08886719, -0.18457031, -0.13085938,
        -0.06787109,  0.19042969, -0.0390625 ,  0.15429688, -0.0859375 ,
        -0.00982666, -0.125     , -0.19628906,  0.265625  , -0.02612305,
        -0.07226562, -0.12890625, -0.18457031,  0.13574219, -0.16894531,
        -0.29492188,  0.25585938, -0.04931641, -0.14355469, -0.06347656,
         0.10693359,  0.26171875, -0.00665283,  0.22753906, -0.14257812,
        -0.18066406, -0.0168457 , -0.00686646,  0.04956055,  0.09033203,
        -0.00463867, -0.19726562, -0.03955078,  0.03881836,  0.2265625 ,
        -0.04077148, -0.25      , -0.1953125 ,  0.07861328,  0.30859375,
        -0.15039062,  0.13476562, -0.12695312,  0.01531982,  0.19726562,
        -0.08447266, -0.03112793, -0.29101562, -0.05444336,  0.08740234,
        -0.06591797,  0.2109375 , -0.04223633,  0.0135498 , -0.13964844,
         0.16796875, -0.00765991, -0.328125  ,  0.1953125 , -0.18847656,
         0.04589844, -0.12988281, -0.03735352, -0.16796875, -0.00460815,
         0.36523438,  0.29101562, -0.32226562, -0.16699219, -0.04345703,
        -0.02539062,  0.25195312, -0.19628906,  0.28320312,  0.1328125 ,
        -0.27539062,  0.19824219,  0.08105469,  0.0246582 ,  0.17480469,
         0.04199219,  0.06982422,  0.06030273,  0.03295898, -0.04199219,
         0.04785156,  0.16992188,  0.4921875 , -0.07714844, -0.14941406,
         0.04345703, -0.11523438, -0.17089844,  0.04589844, -0.17773438,
         0.02600098, -0.18066406, -0.01599121, -0.12353516,  0.21679688,
        -0.10888672,  0.22460938, -0.21582031, -0.22558594, -0.31445312,
        -0.07128906, -0.15625   , -0.14648438, -0.03662109, -0.27929688,
        -0.05712891, -0.09863281, -0.17382812, -0.12207031, -0.03662109,
        -0.09033203,  0.37109375,  0.11132812, -0.05981445, -0.10644531,
         0.16992188,  0.078125  , -0.19335938, -0.05151367, -0.25390625,
         0.12890625, -0.22558594, -0.16210938,  0.07421875,  0.0534668 ,
        -0.28710938,  0.15527344, -0.0291748 , -0.03271484, -0.23535156,
         0.12890625,  0.02429199,  0.20117188, -0.046875  ,  0.4453125 ,
        -0.17773438,  0.05786133,  0.07714844,  0.07861328,  0.10253906,
        -0.13671875,  0.09082031,  0.04492188, -0.03613281, -0.14550781,
```

```
        -0.05883789, -0.015625  ,  0.12792969, -0.04272461, -0.2578125 ,
         0.00195312,  0.12353516,  0.00222778,  0.01696777,  0.00701904,
        -0.08740234, -0.07910156, -0.03344727, -0.21875   , -0.09130859,
        -0.0246582 , -0.01977539, -0.15820312,  0.06494141,  0.09912109,
         0.109375  ,  0.36523438, -0.04833984, -0.15136719,  0.12451172,
         0.18847656,  0.09521484,  0.15527344,  0.09521484,  0.04760742,
        -0.13476562,  0.00209045, -0.03320312, -0.265625  , -0.28125   ,
         0.24511719,  0.0390625 ,  0.0534668 , -0.09277344,  0.0246582 ,
        -0.03222656, -0.07958984,  0.265625  , -0.02856445,  0.28515625,
         0.04736328,  0.14941406, -0.16015625, -0.20117188, -0.20703125,
        -0.20410156,  0.20214844, -0.08398438,  0.234375  ,  0.15429688],
       dtype=float32),
 'equal': array([-0.05395508, -0.18457031,  0.12792969,  0.12011719,  0.038
57422,
         0.15332031,  0.25585938,  0.05834961, -0.00166321,  0.265625  ,
        -0.29492188, -0.01806641,  0.18359375,  0.03979492, -0.13476562,
         0.09130859, -0.01623535,  0.14746094,  0.10644531,  0.234375  ,
        -0.32617188, -0.00552368,  0.06982422,  0.06396484,  0.00897217,
        -0.09716797, -0.53125   ,  0.13378906, -0.10595703,  0.21289062,
        -0.27734375, -0.30664062, -0.13964844,  0.24121094,  0.10986328,
         0.01843262,  0.00494385, -0.09472656,  0.04736328,  0.27734375,
         0.16308594, -0.00230408,  0.20996094, -0.10107422, -0.37304688,
        -0.14257812,  0.13964844,  0.07861328,  0.04199219, -0.22753906,
         0.10791016,  0.10742188, -0.24804688,  0.15136719, -0.23535156,
        -0.17480469, -0.12060547, -0.22460938, -0.13476562, -0.04711914,
         0.05859375,  0.1640625 , -0.18945312, -0.26953125,  0.22265625,
         0.00328064, -0.14550781, -0.01464844, -0.16894531,  0.07763672,
        -0.07470703, -0.0177002 ,  0.3359375 ,  0.2890625 , -0.06738281,
        -0.03393555,  0.05419922,  0.11914062,  0.02563477,  0.11132812,
        -0.19042969,  0.05273438, -0.22265625,  0.109375  , -0.13183594,
        -0.10449219,  0.06054688,  0.11474609, -0.015625  ,  0.17480469,
        -0.10400391, -0.00994873,  0.09082031,  0.03393555, -0.03491211,
         0.0703125 , -0.0014801 ,  0.04931641,  0.16503906, -0.10742188,
         0.10107422,  0.01794434, -0.25976562, -0.10742188,  0.05444336,
         0.15332031, -0.16210938, -0.03588867, -0.05834961,  0.00081635,
         0.07177734, -0.02624512, -0.00976562,  0.24511719,  0.11181641,
         0.21386719,  0.11376953, -0.11669922, -0.09033203,  0.08203125,
         0.11328125,  0.08935547,  0.12158203,  0.28515625, -0.15625   ,
        -0.00382996,  0.11132812, -0.14453125, -0.01818848,  0.21875   ,
         0.22851562, -0.13085938, -0.2890625 ,  0.32421875,  0.15332031,
        -0.06884766, -0.16796875, -0.13378906, -0.06982422,  0.04907227,
        -0.05029297,  0.09765625, -0.02270508,  0.2109375 , -0.06689453,
        -0.18847656, -0.13964844, -0.10107422, -0.05004883,  0.07275391,
         0.10595703,  0.24414062, -0.20410156,  0.08251953,  0.00921631,
        -0.0390625 , -0.29882812, -0.30664062,  0.14941406, -0.19140625,
        -0.10107422, -0.05615234,  0.21777344,  0.03710938,  0.20214844,
        -0.20996094, -0.03051758,  0.04174805, -0.16210938,  0.10302734,
        -0.32226562, -0.30078125,  0.05493164, -0.00077057,  0.11083984,
         0.00151062,  0.04248047, -0.328125  , -0.11132812, -0.22363281,
        -0.13574219,  0.04248047,  0.10058594,  0.15527344,  0.02124023,
        -0.15722656,  0.09960938, -0.14550781, -0.07128906,  0.13378906,
        -0.08203125, -0.07177734, -0.23339844, -0.17480469,  0.11083984,
        -0.03588867, -0.06787109,  0.02380371, -0.1875    , -0.09423828,
        -0.19921875,  0.1953125 ,  0.33398438, -0.12207031, -0.16601562,
         0.02478027, -0.31054688,  0.14550781, -0.05615234,  0.01043701,
        -0.11962891,  0.265625  ,  0.05078125,  0.14257812, -0.03857422,
        -0.04516602,  0.15527344, -0.11914062,  0.02478027, -0.01055908,
        -0.03076172,  0.03369141,  0.171875  , -0.38671875,  0.07128906,
         0.21289062,  0.25976562,  0.00549316,  0.01831055,  0.078125  ,
         0.10107422, -0.00588989,  0.06738281,  0.23144531,  0.03393555,
        -0.02209473, -0.15234375, -0.0859375 ,  0.09912109,  0.10791016,
        -0.11523438,  0.00238037,  0.00866699, -0.06298828,  0.18945312,
         0.0291748 , -0.06982422,  0.1171875 , -0.29296875,  0.07861328,
         0.04321289,  0.09423828, -0.03833008, -0.0291748 ,  0.15136719,
```

```
        -0.11767578, -0.08251953, -0.04492188,  0.03271484,  0.19042969,
         0.02600098, -0.08007812, -0.22265625,  0.03466797,  0.37109375,
        -0.09472656,  0.08935547,  0.04345703, -0.15820312,  0.03833008,
        -0.14941406,  0.09619141, -0.03393555, -0.01348877,  0.07861328,
        -0.05371094, -0.37890625, -0.14453125, -0.0246582 ,  0.06298828,
        -0.17871094, -0.1640625 , -0.16210938,  0.06933594,  0.01867676,
        -0.02526855,  0.0559082 ,  0.08398438,  0.17773438, -0.14453125,
         0.296875  , -0.08642578, -0.11425781, -0.0213623 , -0.04589844,
         0.10351562, -0.06591797, -0.01977539, -0.24121094, -0.10058594],
       dtype=float32),
 'action': array([-0.03320312,  0.15136719,  0.04443359,  0.02514648, -0.04
6875  ,
        -0.13671875,  0.01287842, -0.296875  ,  0.03088379, -0.00506592,
        -0.00314331, -0.00823975, -0.03466797, -0.07910156, -0.078125  ,
        -0.06640625, -0.12792969,  0.11279297, -0.0032196 , -0.0625    ,
         0.09423828,  0.12011719,  0.046875  ,  0.03881836, -0.16015625,
         0.04077148, -0.00640869, -0.15917969,  0.06835938,  0.16113281,
        -0.11132812, -0.02441406,  0.01806641, -0.03662109, -0.08789062,
         0.15722656,  0.16113281, -0.03808594,  0.13183594, -0.04736328,
         0.13574219, -0.02124023,  0.07568359, -0.04736328, -0.18652344,
        -0.09960938, -0.08544922, -0.17675781,  0.03271484,  0.00064087,
         0.05200195,  0.18066406,  0.00976562,  0.03686523,  0.21484375,
        -0.12597656,  0.01422119, -0.37304688, -0.31054688,  0.08398438,
        -0.40820312, -0.03686523, -0.25195312, -0.0402832 , -0.390625  ,
         0.16210938,  0.01745605,  0.25585938,  0.10595703, -0.01794434,
        -0.01202393, -0.02209473,  0.20703125,  0.21679688,  0.08251953,
        -0.00099945, -0.00061798, -0.08349609,  0.17871094, -0.25195312,
         0.1484375 ,  0.03088379,  0.1171875 , -0.04638672,  0.3515625 ,
        -0.02954102, -0.27929688, -0.00053406,  0.06591797, -0.125     ,
         0.02453613, -0.13769531,  0.04101562, -0.03735352,  0.03515625,
        -0.08007812, -0.03344727,  0.18847656, -0.05493164, -0.03369141,
         0.10058594,  0.00509644,  0.19238281, -0.16015625, -0.03417969,
        -0.03637695,  0.26757812, -0.0859375 ,  0.10791016, -0.08105469,
         0.18554688, -0.01989746,  0.07373047,  0.24511719,  0.02954102,
        -0.15429688, -0.09228516,  0.33789062, -0.05688477,  0.03491211,
        -0.25      , -0.10302734,  0.06982422,  0.0612793 , -0.18945312,
         0.05737305,  0.00212097, -0.12695312, -0.06933594, -0.12695312,
        -0.07763672, -0.08398438, -0.21386719, -0.1015625 ,  0.06201172,
        -0.00970459, -0.01025391, -0.08447266, -0.13574219, -0.01086426,
         0.15234375,  0.04223633,  0.18847656, -0.29296875,  0.00799561,
        -0.17382812, -0.05444336,  0.06347656, -0.01043701,  0.109375  ,
         0.16503906,  0.04980469, -0.03735352, -0.06225586, -0.03393555,
        -0.2734375 ,  0.12597656, -0.09228516,  0.07568359, -0.18261719,
        -0.03393555,  0.1953125 , -0.09130859, -0.10009766, -0.41601562,
        -0.17675781,  0.10595703,  0.03515625,  0.12451172,  0.02783203,
        -0.16796875, -0.10107422, -0.02758789,  0.13183594,  0.07958984,
        -0.28125   ,  0.07373047, -0.01794434, -0.00393677,  0.00311279,
        -0.02062988, -0.34375   ,  0.0625    , -0.09472656,  0.12304688,
        -0.05249023,  0.06787109,  0.07666016,  0.11474609, -0.0859375 ,
         0.13574219,  0.03588867, -0.00491333,  0.21386719, -0.03808594,
        -0.10693359, -0.07421875, -0.01245117,  0.23046875, -0.10888672,
         0.11279297,  0.25390625,  0.0045166 ,  0.02368164, -0.03198242,
         0.01324463, -0.28515625, -0.12304688,  0.05566406, -0.03344727,
         0.22949219,  0.03344727, -0.14355469,  0.1328125 , -0.48242188,
         0.0201416 ,  0.12011719, -0.19628906, -0.17578125, -0.09277344,
        -0.03833008,  0.01696777, -0.07128906,  0.1796875 ,  0.12597656,
         0.01000977,  0.02844238, -0.01635742,  0.09765625,  0.18652344,
         0.16894531, -0.02307129,  0.11328125, -0.140625  ,  0.15820312,
         0.03027344,  0.06347656,  0.01507568,  0.24707031, -0.05883789,
        -0.11376953, -0.08398438,  0.11230469, -0.03198242,  0.05273438,
         0.27148438, -0.06542969, -0.00069809,  0.30273438, -0.03295898,
         0.02954102,  0.08154297, -0.25195312, -0.15722656, -0.06884766,
        -0.10449219,  0.26953125, -0.25976562, -0.23046875, -0.07226562,
        -0.140625  , -0.06225586, -0.02185059, -0.01965332,  0.0703125 ,
```

```
         0.1015625 , -0.00445557,  0.03125   , -0.13574219, -0.08398438,
         0.2265625 ,  0.27734375,  0.00241089,  0.05273438,  0.08691406,
        -0.00708008, -0.24707031, -0.12109375,  0.08691406,  0.3359375 ,
        -0.03540039, -0.12451172,  0.02612305,  0.22265625,  0.12060547,
        -0.04467773, -0.20410156, -0.04663086, -0.04882812, -0.12109375,
        -0.16992188, -0.12988281,  0.07519531,  0.02416992,  0.07519531,
         0.1640625 ,  0.07958984,  0.11914062, -0.06884766,  0.03125   ],
       dtype=float32),
 'employer': array([-0.15917969, -0.30859375, -0.0098877 ,  0.28515625,  0.
17675781,
        -0.06982422,  0.16992188,  0.12695312,  0.17285156,  0.34179688,
        -0.05078125,  0.24316406, -0.03710938, -0.09179688, -0.01507568,
         0.16308594,  0.03979492,  0.2734375 ,  0.07568359, -0.00793457,
         0.04443359, -0.03930664,  0.14453125,  0.04418945,  0.27148438,
        -0.00331116, -0.30078125,  0.16308594,  0.02832031,  0.0546875 ,
        -0.01672363, -0.31054688, -0.15136719,  0.12890625, -0.17285156,
         0.16015625,  0.37109375,  0.20605469, -0.06835938, -0.0145874 ,
        -0.08984375, -0.03125   , -0.04931641, -0.07910156, -0.20703125,
        -0.21386719, -0.12353516,  0.00735474, -0.07666016, -0.06152344,
        -0.14355469, -0.32226562, -0.13476562,  0.13964844,  0.08789062,
        -0.2578125 ,  0.05029297, -0.01586914, -0.21191406, -0.16308594,
         0.0625    , -0.01013184, -0.265625  , -0.06933594, -0.26367188,
         0.03295898,  0.00332642, -0.05712891,  0.08447266,  0.02844238,
        -0.46289062,  0.03613281,  0.19140625, -0.09960938, -0.04077148,
         0.08007812, -0.05664062, -0.0625    ,  0.00915527, -0.11279297,
        -0.03808594, -0.04370117, -0.01507568,  0.265625  , -0.046875  ,
         0.078125  , -0.30859375,  0.33007812,  0.06103516, -0.10449219,
        -0.10205078, -0.1875    , -0.3359375 ,  0.08984375,  0.20410156,
        -0.15039062,  0.19726562,  0.08886719,  0.41015625, -0.11279297,
        -0.23828125, -0.45507812, -0.01092529,  0.05810547, -0.09521484,
        -0.40820312,  0.12988281,  0.11523438,  0.07177734, -0.09765625,
        -0.00286865, -0.28125   , -0.1171875 , -0.25976562,  0.01647949,
         0.03588867,  0.296875  , -0.06738281,  0.24804688,  0.3515625 ,
         0.14648438,  0.00179291, -0.20019531,  0.12207031,  0.3125    ,
        -0.03393555,  0.04663086, -0.39453125, -0.05322266, -0.09130859,
        -0.3125    , -0.26171875, -0.21191406, -0.07617188, -0.25976562,
        -0.265625  , -0.42382812, -0.06396484, -0.05859375,  0.10351562,
         0.17089844,  0.08642578, -0.10791016,  0.1875    , -0.11181641,
        -0.11767578, -0.00619507,  0.32421875,  0.07910156,  0.35742188,
         0.34960938, -0.00085831,  0.00062561,  0.04199219,  0.03515625,
         0.07080078,  0.12597656, -0.27734375, -0.00436401,  0.17382812,
        -0.20117188,  0.203125  ,  0.07861328, -0.07519531, -0.13183594,
        -0.11376953, -0.05102539, -0.20214844, -0.08886719,  0.30273438,
         0.24316406,  0.18164062, -0.08691406, -0.25976562, -0.1328125 ,
         0.16992188,  0.25585938,  0.05566406,  0.05737305, -0.12695312,
        -0.15917969, -0.02929688, -0.10009766, -0.1171875 , -0.17285156,
        -0.06103516, -0.17578125,  0.27929688, -0.02734375, -0.1640625 ,
        -0.20996094,  0.16308594,  0.10205078,  0.03491211,  0.06347656,
         0.00646973, -0.15332031,  0.09716797,  0.13476562, -0.0480957 ,
        -0.05224609,  0.15429688,  0.01446533, -0.02868652, -0.14257812,
         0.03442383, -0.12060547, -0.05004883,  0.22167969, -0.27539062,
         0.21679688, -0.06884766, -0.17480469,  0.11328125,  0.10058594,
         0.19042969, -0.15136719,  0.12060547, -0.37109375,  0.18554688,
         0.02209473, -0.11132812,  0.15039062, -0.20703125, -0.00836182,
        -0.10400391,  0.28125   ,  0.02587891, -0.22167969, -0.13964844,
         0.07275391,  0.02819824, -0.03637695, -0.13183594,  0.03271484,
        -0.20800781,  0.18945312, -0.078125  , -0.25585938, -0.19433594,
        -0.19433594, -0.15332031,  0.10107422, -0.1875    ,  0.25      ,
         0.06005859, -0.22070312, -0.00646973, -0.125     , -0.3984375 ,
        -0.04760742, -0.19628906,  0.02001953, -0.31054688, -0.12890625,
         0.02380371,  0.00619507,  0.24707031, -0.12304688,  0.48242188,
        -0.03222656, -0.04980469, -0.16601562,  0.08789062, -0.02099609,
         0.11425781, -0.03955078, -0.03442383, -0.10986328,  0.04980469,
        -0.17480469, -0.06689453,  0.15625   ,  0.22265625, -0.24511719,
```

```
        -0.19628906,  0.03979492, -0.08154297,  0.1875    , -0.04101562,
        -0.234375  , -0.21679688, -0.09521484,  0.09716797, -0.1796875 ,
        -0.03442383,  0.140625  , -0.0168457 ,  0.16894531,  0.08886719,
        -0.01324463,  0.17382812, -0.16503906, -0.12451172,  0.0625    ,
         0.03344727,  0.05175781,  0.04785156, -0.19140625, -0.16699219],
       dtype=float32),
 'proud': array([-2.69531250e-01,  1.66992188e-01,  1.10839844e-01,  2.7099
6094e-02,
         2.61718750e-01, -1.47460938e-01,  3.04687500e-01, -1.49414062e-01,
         3.04687500e-01,  2.49023438e-01,  8.00781250e-02, -1.21093750e-01,
         7.71484375e-02, -4.61425781e-02,  1.54296875e-01,  7.03125000e-02,
         1.59179688e-01,  2.14843750e-01, -2.41699219e-02,  6.98242188e-02,
        -1.35742188e-01,  1.59179688e-01,  2.96875000e-01, -1.65039062e-01,
         2.02148438e-01, -2.70080566e-03,  2.48046875e-01, -1.97265625e-01,
         1.31835938e-01, -3.47656250e-01,  3.04687500e-01,  1.85546875e-02,
         1.70898438e-01,  6.54296875e-02,  3.51562500e-01, -1.33789062e-01,
         1.92382812e-01,  1.15966797e-02,  1.06445312e-01, -3.73535156e-02,
         3.53515625e-01,  5.22460938e-02, -1.10351562e-01,  1.61132812e-02,
         2.21679688e-01, -1.40625000e-01, -2.53906250e-01,  5.66406250e-02,
        -9.61914062e-02,  1.09252930e-02,  7.22656250e-02,  6.03027344e-02,
         1.92382812e-01,  1.76757812e-01,  2.27539062e-01,  1.03027344e-01,
        -3.44238281e-02, -2.88085938e-02, -5.39550781e-02, -1.27929688e-01,
        -8.74023438e-02,  2.27539062e-01, -3.39843750e-01, -1.43554688e-01,
         6.83593750e-02,  1.66992188e-01,  1.06445312e-01,  1.25000000e-01,
        -1.22070312e-01, -1.68457031e-02,  2.95410156e-02,  9.32617188e-02,
        -1.31835938e-01, -6.68945312e-02, -5.12695312e-02, -1.88476562e-01,
         3.45703125e-01,  4.61425781e-02,  3.39843750e-01,  8.69140625e-02,
        -8.05664062e-02, -8.17871094e-03,  1.05957031e-01, -3.71093750e-02,
        -9.81445312e-02, -2.83203125e-01, -3.61328125e-01,  1.13769531e-01,
         8.91113281e-03,  9.57031250e-02, -1.00097656e-01, -1.25122070e-02,
        -1.29882812e-01, -5.54199219e-02, -6.93359375e-02,  1.47460938e-01,
        -8.15429688e-02,  4.95605469e-02, -9.96093750e-02,  3.24707031e-02,
        -2.77343750e-01,  9.66796875e-02, -5.29785156e-02,  1.41601562e-01,
        -1.22680664e-02,  1.66015625e-02,  3.14453125e-01,  5.20019531e-02,
         1.63085938e-01,  7.17773438e-02, -8.49609375e-02,  2.84423828e-02,
        -8.34960938e-02,  2.15820312e-01,  5.56640625e-02, -1.29882812e-01,
         1.13769531e-01, -6.10351562e-02, -1.80816650e-03, -2.89062500e-01,
         7.03125000e-02, -3.58886719e-02, -8.93554688e-02,  9.27734375e-03,
        -9.03320312e-02, -1.04980469e-01, -2.61718750e-01, -2.09960938e-02,
         3.56445312e-02,  1.31835938e-01,  2.68554688e-02, -4.41894531e-02,
        -2.53906250e-01,  2.79296875e-01,  4.02832031e-02,  1.23535156e-01,
         1.04492188e-01,  3.37890625e-01,  6.29882812e-02,  3.59375000e-01,
        -2.08007812e-01,  1.02539062e-01, -2.92968750e-02, -1.98242188e-01,
        -1.66015625e-01,  2.83203125e-01,  3.71093750e-02, -4.37011719e-02,
         3.43750000e-01, -2.65625000e-01,  1.82617188e-01,  3.20312500e-01,
         1.85546875e-01,  3.63281250e-01, -4.17480469e-02,  2.61718750e-01,
        -8.54492188e-03,  1.06445312e-01, -3.59375000e-01, -2.57812500e-01,
         2.38037109e-02, -9.27734375e-02,  3.47656250e-01,  2.57812500e-01,
         3.33984375e-01, -3.71093750e-01, -9.47265625e-02, -1.51367188e-01,
        -9.52148438e-02,  1.26953125e-01,  9.52148438e-02,  2.26562500e-01,
         4.82421875e-01, -4.02343750e-01,  1.52343750e-01,  1.80816650e-03,
         2.14843750e-01,  6.68945312e-02, -1.96289062e-01, -2.43164062e-01,
        -1.15722656e-01, -1.61132812e-01, -5.32226562e-02,  1.47460938e-01,
        -3.30078125e-01, -1.66015625e-01, -3.06640625e-01,  1.43554688e-01,
        -1.70898438e-01, -2.09960938e-02, -7.81250000e-02,  2.67333984e-02,
         1.32812500e-01, -2.67578125e-01,  1.03027344e-01, -2.34375000e-01,
         1.50390625e-01,  1.43554688e-01, -1.55273438e-01, -3.07617188e-02,
        -1.43554688e-01,  1.75781250e-01,  2.81250000e-01, -1.44531250e-01,
        -2.41210938e-01,  1.81640625e-01, -2.04101562e-01,  1.10839844e-01,
        -4.88281250e-02, -7.03125000e-02, -2.38418579e-04,  2.61718750e-01,
        -1.52343750e-01, -1.21093750e-01,  1.25976562e-01,  2.96875000e-01,
         3.39843750e-01, -1.44042969e-02, -4.41894531e-02,  1.26953125e-01,
        -8.30078125e-02,  1.69677734e-02, -3.16406250e-01, -5.24902344e-03,
        -2.57568359e-02, -1.20605469e-01,  2.94921875e-01, -2.20703125e-01,
```

```
        -1.06933594e-01, -2.81250000e-01, -4.29687500e-01, -9.27734375e-02,
         1.31835938e-02, -1.50390625e-01,  1.04003906e-01, -1.35498047e-02,
         7.13348389e-04, -1.39648438e-01,  2.28515625e-01, -7.86132812e-02,
        -1.42578125e-01, -3.08593750e-01,  1.64794922e-03,  2.29492188e-01,
        -2.02148438e-01, -1.13281250e-01,  1.49414062e-01, -7.81250000e-03,
        -3.18359375e-01, -2.61718750e-01, -8.10546875e-02, -2.12402344e-02,
         1.52343750e-01, -1.44531250e-01,  1.54296875e-01, -6.25000000e-02,
         8.00781250e-02,  7.81250000e-03, -1.64062500e-01, -2.40234375e-01,
         1.16699219e-01,  2.31445312e-01,  7.75146484e-03,  1.06933594e-01,
         3.41796875e-01,  1.99218750e-01,  1.83593750e-01, -9.61914062e-02,
        -3.56445312e-02,  1.10839844e-01, -8.00781250e-02,  6.73828125e-02,
         3.49609375e-01,  2.49023438e-02,  1.45507812e-01, -4.43359375e-01,
        -9.81445312e-02,  4.27246094e-02, -3.61328125e-01, -1.91406250e-01,
        -1.26342773e-02,  1.96289062e-01, -1.97265625e-01,  1.23535156e-01,
        -4.41894531e-02,  7.61718750e-02, -1.58203125e-01, -1.04492188e-01,
         2.84423828e-02, -2.13867188e-01, -6.64062500e-02, -7.65991211e-03,
        -2.73437500e-01, -1.48437500e-01, -1.85546875e-01,  3.93676758e-03,
        -9.52148438e-02,  8.05664062e-02,  6.00585938e-02, -2.14843750e-0
1],
       dtype=float32),
 'workplace': array([-0.20410156, -0.15332031, -0.12158203,  0.04248047,
0.3046875 ,
        -0.04492188,  0.125     ,  0.04785156,  0.28320312,  0.18066406,
         0.11230469, -0.00595093, -0.00448608, -0.0324707 ,  0.02722168,
         0.00222778,  0.09423828,  0.33203125,  0.22070312,  0.11816406,
         0.21386719, -0.23144531,  0.00263977, -0.32226562, -0.1640625 ,
         0.03027344, -0.07177734,  0.11181641, -0.01519775, -0.02429199,
        -0.30664062, -0.42382812, -0.22363281,  0.00341797, -0.23535156,
         0.00117493,  0.32226562, -0.0559082 ,  0.04785156, -0.11474609,
        -0.17578125, -0.08349609, -0.16503906,  0.04589844, -0.33007812,
         0.00100708, -0.22851562,  0.19335938,  0.14941406,  0.22167969,
        -0.12451172, -0.14941406,  0.07373047,  0.22949219,  0.22070312,
        -0.24121094,  0.21582031, -0.22949219, -0.16894531,  0.05615234,
        -0.22265625,  0.09277344, -0.08642578,  0.26953125, -0.05395508,
         0.08154297, -0.11181641,  0.08984375,  0.00668335,  0.06835938,
        -0.4453125 ,  0.27539062,  0.14550781,  0.21386719, -0.16503906,
        -0.10742188, -0.01031494,  0.21386719,  0.0014801 ,  0.15332031,
        -0.05810547, -0.05224609,  0.0088501 ,  0.00088882, -0.12890625,
         0.0090332 , -0.06396484,  0.28125   , -0.03686523,  0.08984375,
         0.10644531, -0.1328125 , -0.34179688, -0.16015625,  0.17675781,
        -0.16699219,  0.24707031, -0.06689453,  0.30859375, -0.20800781,
        -0.03466797, -0.390625  , -0.23925781,  0.15820312, -0.02111816,
        -0.35742188,  0.08447266, -0.05932617,  0.00092316, -0.08447266,
        -0.16992188, -0.00534058, -0.12109375, -0.08984375,  0.20703125,
        -0.04077148, -0.08007812, -0.01586914, -0.01867676,  0.37695312,
        -0.45703125,  0.12695312, -0.17773438,  0.06054688,  0.19140625,
        -0.01416016,  0.00787354, -0.05004883, -0.09082031, -0.00494385,
        -0.09423828, -0.40429688, -0.39648438,  0.05639648,  0.01611328,
        -0.07470703, -0.07128906, -0.078125  ,  0.04663086, -0.140625  ,
         0.01977539,  0.03833008,  0.14746094,  0.03930664, -0.07519531,
        -0.41015625, -0.0123291 ,  0.29492188,  0.16699219,  0.23730469,
         0.33203125, -0.1484375 ,  0.14160156, -0.02966309, -0.20214844,
         0.06982422, -0.10595703, -0.33789062, -0.09912109, -0.17480469,
        -0.01647949,  0.01074219, -0.13769531, -0.00051117, -0.09814453,
         0.05053711, -0.32226562, -0.13574219, -0.04003906,  0.12255859,
        -0.02929688, -0.12792969, -0.18164062, -0.08300781,  0.0213623 ,
         0.00328064, -0.08691406,  0.21484375, -0.24023438,  0.1875    ,
         0.0177002 ,  0.22460938,  0.07177734, -0.26171875,  0.05200195,
         0.03320312, -0.30664062,  0.10400391,  0.125     , -0.02233887,
        -0.03344727,  0.02734375, -0.3046875 , -0.05712891, -0.04443359,
        -0.16015625, -0.04541016,  0.09521484, -0.02319336,  0.04589844,
        -0.15527344,  0.171875  ,  0.05761719,  0.07275391, -0.18066406,
        -0.00830078,  0.07763672, -0.01062012, -0.06982422, -0.25585938,
         0.17578125, -0.12695312,  0.03808594, -0.07617188,  0.05957031,
```

```
         0.02246094, -0.0008316 ,  0.27539062, -0.25585938,  0.19433594,
        -0.23925781, -0.20605469,  0.12597656, -0.34765625, -0.30273438,
        -0.02624512,  0.12988281, -0.06689453, -0.07177734, -0.28710938,
        -0.02209473,  0.22460938, -0.203125  , -0.08349609, -0.04858398,
        -0.16308594,  0.03051758, -0.03222656,  0.06787109,  0.08447266,
        -0.06689453, -0.21777344,  0.0456543 , -0.29882812,  0.08886719,
         0.01611328, -0.39648438,  0.18945312, -0.17871094, -0.359375  ,
        -0.29882812,  0.16699219,  0.15722656,  0.06445312,  0.06591797,
        -0.359375  ,  0.01586914,  0.12451172,  0.01745605,  0.453125  ,
         0.02722168, -0.27148438, -0.09521484,  0.17871094,  0.08007812,
        -0.03369141,  0.03417969, -0.05102539, -0.3125    ,  0.11376953,
        -0.20214844,  0.31054688, -0.14550781, -0.08007812, -0.2578125 ,
        -0.08935547,  0.02075195, -0.09619141,  0.06054688,  0.09033203,
        -0.15429688, -0.13769531,  0.03088379,  0.06591797, -0.0559082 ,
        -0.03564453,  0.03417969, -0.18652344,  0.11230469,  0.22167969,
        -0.12597656,  0.03051758, -0.01843262,  0.04760742, -0.26757812,
        -0.08837891,  0.3125    ,  0.11914062,  0.19628906,  0.09960938],
       dtype=float32),
 'represents': array([-7.91015625e-02, -1.41601562e-01,  3.06640625e-01, -
1.02539062e-01,
        -9.22851562e-02,  7.17773438e-02,  1.72851562e-01, -2.73437500e-01,
         2.09960938e-01,  1.89453125e-01, -2.61718750e-01,  4.22363281e-02,
         1.89453125e-01,  1.65039062e-01,  3.39843750e-01,  3.14453125e-01,
        -9.47265625e-02,  2.89062500e-01, -3.47656250e-01,  3.90625000e-02,
        -3.71093750e-01,  8.10546875e-02, -2.00195312e-01,  4.27246094e-02,
        -4.56542969e-02,  1.62124634e-04, -3.65234375e-01,  2.09960938e-01,
         9.09423828e-03,  1.39648438e-01,  3.35937500e-01, -1.18652344e-01,
         2.79541016e-02,  1.83593750e-01,  4.72656250e-01,  5.59082031e-02,
        -1.72851562e-01,  2.75390625e-01, -1.00585938e-01, -1.19140625e-01,
         7.91015625e-02,  3.49609375e-01, -2.12890625e-01,  8.49609375e-02,
        -4.12109375e-01, -1.39648438e-01, -7.03125000e-02,  9.47265625e-02,
        -2.69775391e-02, -3.67187500e-01,  5.17578125e-02, -4.41894531e-02,
         1.26953125e-01, -1.62109375e-01, -1.26953125e-01,  3.65234375e-01,
        -6.59179688e-02,  5.59082031e-02,  6.64062500e-02, -4.51660156e-02,
        -1.21582031e-01,  2.98828125e-01, -1.26953125e-01, -3.49609375e-01,
         1.26953125e-01,  8.05664062e-03,  6.49414062e-02,  4.24804688e-02,
         5.93261719e-02, -6.68945312e-02,  5.70678711e-03, -6.49414062e-02,
         1.87500000e-01,  2.62451172e-02,  6.54296875e-02, -1.66992188e-01,
         2.86865234e-02,  4.83398438e-02,  6.25000000e-02,  1.92382812e-01,
        -2.78320312e-02, -3.06640625e-01, -9.27734375e-03,  7.61718750e-02,
         1.70898438e-01, -1.01562500e-01, -1.10839844e-01, -9.32617188e-02,
         1.46484375e-01, -9.76562500e-02,  2.75390625e-01, -3.55468750e-01,
        -1.01562500e-01, -1.04003906e-01, -1.88476562e-01, -1.42578125e-01,
        -1.79687500e-01,  2.87109375e-01,  2.47192383e-03, -1.36718750e-01,
         1.28906250e-01, -1.34765625e-01, -3.39843750e-01, -4.27246094e-03,
        -1.10473633e-02, -9.81445312e-02,  1.76757812e-01, -1.91406250e-01,
        -1.32812500e-01,  1.25122070e-02, -1.54296875e-01, -1.07910156e-01,
        -6.73828125e-02,  2.50000000e-01,  6.73828125e-02,  3.88671875e-01,
         2.68554688e-02,  2.89306641e-02,  1.33789062e-01,  6.44531250e-02,
         2.39257812e-01, -1.49414062e-01, -1.24511719e-01, -2.06298828e-02,
         2.46093750e-01, -1.35742188e-01,  1.59179688e-01, -2.65625000e-01,
         1.81640625e-01,  1.60156250e-01,  1.03027344e-01,  8.98437500e-02,
        -6.68945312e-02,  4.15039062e-02,  1.82617188e-01,  2.11181641e-02,
         9.27734375e-02,  1.99218750e-01, -1.23901367e-02, -1.13769531e-01,
         3.88183594e-02, -8.00781250e-02, -1.93359375e-01,  1.08398438e-01,
        -1.98242188e-01,  1.54296875e-01,  7.42187500e-02, -1.38671875e-01,
        -6.25000000e-02, -1.57470703e-02,  1.71875000e-01, -4.49218750e-02,
        -8.20312500e-02,  2.09960938e-02,  5.54199219e-02,  1.52343750e-01,
         1.81640625e-01, -6.44531250e-02,  2.05078125e-02, -3.35937500e-01,
        -8.20312500e-02, -1.05957031e-01, -3.17382812e-02, -8.93554688e-02,
         1.82617188e-01,  2.61230469e-02,  1.61132812e-01, -1.64062500e-01,
         1.41601562e-01,  1.48437500e-01,  1.50390625e-01, -1.11816406e-01,
         2.19726562e-01, -1.29882812e-01,  7.22656250e-02, -1.56250000e-01,
         1.70898438e-01, -1.40991211e-02,  1.60156250e-01,  2.43164062e-01,
```

```
        -1.48437500e-01,  1.96533203e-02, -7.03125000e-02, -8.00781250e-02,
        -3.30078125e-01, -1.17187500e-01, -3.14941406e-02,  2.04101562e-01,
         8.44726562e-02,  2.02636719e-02,  1.19140625e-01,  1.50756836e-02,
         8.85009766e-03, -1.48437500e-01, -1.51367188e-01,  1.99218750e-01,
        -1.32812500e-01,  1.08642578e-02, -5.71289062e-02, -7.56835938e-02,
         1.80664062e-01, -1.87500000e-01,  1.94335938e-01, -5.49316406e-03,
        -2.55859375e-01,  2.17773438e-01, -1.90429688e-01,  1.98242188e-01,
        -5.61523438e-02,  1.44042969e-02,  4.54101562e-02,  9.42382812e-02,
        -8.20312500e-02,  1.41601562e-01, -1.80664062e-01,  8.30078125e-02,
         1.11328125e-01, -6.64062500e-02, -3.23486328e-03,  1.45507812e-01,
        -5.29289246e-05, -5.52368164e-03,  6.88476562e-02,  1.40625000e-01,
         6.83593750e-02,  1.35742188e-01, -5.17578125e-02, -1.14746094e-01,
        -2.07031250e-01,  1.75781250e-01, -4.15039062e-03,  3.58886719e-02,
        -5.46264648e-03,  1.47460938e-01, -2.19726562e-02,  2.48046875e-01,
         9.52148438e-02, -4.63867188e-02,  1.76757812e-01,  7.71484375e-02,
        -5.71289062e-02, -4.68750000e-02,  2.57812500e-01, -1.28173828e-02,
         1.04003906e-01,  3.63159180e-03, -3.17382812e-02,  3.61328125e-01,
         2.73437500e-02, -4.05273438e-02, -6.86645508e-03, -1.04003906e-01,
        -1.05468750e-01,  8.30078125e-02, -1.00097656e-01,  5.21850586e-03,
        -1.48437500e-01,  1.67236328e-02, -2.13867188e-01, -2.42919922e-02,
        -4.39453125e-01, -2.40234375e-01,  8.10546875e-02,  9.27734375e-02,
         6.98242188e-02,  3.00781250e-01,  1.57226562e-01, -2.24609375e-02,
        -7.81250000e-02,  3.49121094e-02, -3.34472656e-02,  2.46093750e-01,
         4.22363281e-02, -7.95898438e-02,  9.08203125e-02, -1.49414062e-01,
        -4.27246094e-02, -3.28063965e-04, -1.66992188e-01, -1.22070312e-01,
        -2.61718750e-01,  1.83593750e-01, -1.52343750e-01,  7.71484375e-02,
         1.03027344e-01, -6.89697266e-03, -1.39648438e-01, -2.62451172e-02,
        -2.45117188e-01, -2.57812500e-01, -2.92968750e-01, -1.72851562e-01,
        -4.63867188e-02,  2.67578125e-01, -1.52343750e-01, -3.49121094e-02,
         1.51367188e-01, -2.83203125e-02,  2.77343750e-01,  8.39843750e-0
2],
       dtype=float32),
 'perspective': array([-1.85546875e-02,  1.67236328e-02, -1.32812500e-01, -
5.18798828e-03,
        -1.77734375e-01,  9.57031250e-02,  3.41796875e-01, -4.56542969e-02,
         1.73828125e-01, -9.22851562e-02,  2.34375000e-01, -2.33398438e-01,
         9.13085938e-02,  1.19628906e-01, -2.08984375e-01,  7.47070312e-02,
        -1.80664062e-01,  2.77343750e-01,  2.51953125e-01, -2.47070312e-01,
         1.14257812e-01,  1.64062500e-01,  1.51367188e-01, -1.00708008e-02,
         4.24194336e-03, -1.05590820e-02, -4.21142578e-03,  1.22070312e-01,
        -6.07910156e-02,  8.25195312e-02,  8.34960938e-02,  1.51367188e-02,
        -1.77734375e-01,  2.22656250e-01,  2.08984375e-01, -5.27343750e-02,
        -3.80859375e-02,  8.78906250e-02, -6.00585938e-02, -4.10156250e-02,
         5.88378906e-02, -8.85009766e-03, -2.06054688e-01,  1.26953125e-01,
        -5.61523438e-02, -1.02050781e-01, -6.44531250e-02, -1.94091797e-02,
         1.75781250e-01, -1.28906250e-01, -2.14843750e-01, -7.91015625e-02,
        -5.22460938e-02, -6.34765625e-02, -8.20312500e-02, -7.37304688e-02,
         1.07910156e-01,  1.22070312e-01,  1.54296875e-01, -3.86718750e-01,
        -1.69921875e-01, -1.39648438e-01,  9.27734375e-02, -7.17773438e-02,
         4.90722656e-02,  5.83496094e-02, -1.18408203e-02,  1.92382812e-01,
         9.42382812e-02,  2.51464844e-02,  8.85009766e-04, -1.97265625e-01,
         3.49609375e-01, -1.30859375e-01,  4.41894531e-02, -3.58886719e-02,
        -1.02050781e-01,  2.33398438e-01,  2.67578125e-01,  2.34375000e-01,
         3.20312500e-01,  7.08007812e-02,  1.87500000e-01,  2.63671875e-01,
         2.32458115e-05, -1.63085938e-01,  5.83496094e-02,  2.04101562e-01,
         1.68945312e-01,  8.15429688e-02,  9.27734375e-02, -1.51367188e-01,
        -2.55859375e-01, -1.02996826e-03, -2.07031250e-01,  1.14746094e-01,
        -2.15820312e-01,  1.62109375e-01, -4.10156250e-02, -1.35742188e-01,
        -1.16699219e-01, -4.07714844e-02, -1.40625000e-01, -5.78613281e-02,
         1.18164062e-01, -2.04101562e-01, -6.59179688e-02, -3.36914062e-02,
        -8.88671875e-02, -3.69140625e-01, -9.47265625e-02,  9.52148438e-02,
         1.01562500e-01,  5.61523438e-03,  1.32812500e-01,  2.46093750e-01,
        -1.57226562e-01, -3.97949219e-02,  2.24609375e-01,  2.15820312e-01,
        -4.70703125e-01, -1.06445312e-01, -1.08398438e-01,  1.60156250e-01,
```

```
        -1.10839844e-01,  1.21093750e-01, -1.63085938e-01,  1.17675781e-01,
        -9.47265625e-02,  6.88476562e-02, -2.59765625e-01, -3.06640625e-01,
        -2.15820312e-01, -1.81884766e-02,  2.65625000e-01, -2.13867188e-01,
        -1.23535156e-01, -9.37500000e-02, -7.56835938e-02,  1.96533203e-02,
         4.00390625e-02,  2.13867188e-01,  8.10546875e-02,  2.75390625e-01,
         1.38671875e-01, -2.79296875e-01, -7.08007812e-02, -1.97265625e-01,
         1.28906250e-01,  7.42187500e-02, -1.30859375e-01,  7.91015625e-02,
        -3.22265625e-01,  1.40625000e-01, -2.29492188e-01,  9.76562500e-02,
         2.55126953e-02, -1.36718750e-01, -2.98828125e-01, -1.12304688e-01,
        -2.13623047e-02,  8.05664062e-02,  1.79687500e-01, -8.78906250e-02,
         1.01562500e-01,  5.78613281e-02,  5.41992188e-02, -2.46093750e-01,
        -8.00781250e-02,  2.22656250e-01, -3.61328125e-02,  1.18652344e-01,
         6.83593750e-02, -3.41796875e-01,  2.87109375e-01, -1.47460938e-01,
         2.59765625e-01, -2.49023438e-01,  1.58203125e-01, -3.61328125e-02,
        -3.06640625e-01,  2.28515625e-01,  2.44140625e-01,  4.51660156e-02,
        -1.76757812e-01, -1.91406250e-01, -1.24023438e-01,  5.29785156e-02,
         6.98242188e-02,  9.86328125e-02, -3.36914062e-02, -4.56542969e-02,
         2.30468750e-01, -1.77734375e-01,  1.66015625e-02, -2.64892578e-02,
        -2.75390625e-01,  2.65625000e-01, -4.83398438e-02,  4.93164062e-02,
        -1.66992188e-01,  2.20703125e-01, -8.05664062e-02, -9.32617188e-02,
        -2.47802734e-02,  1.05957031e-01, -1.35742188e-01, -2.81250000e-01,
        -7.22656250e-02,  9.17968750e-02, -3.24218750e-01,  4.94140625e-01,
        -7.81250000e-02,  2.06298828e-02, -1.77734375e-01, -1.08398438e-01,
         5.24902344e-02,  9.37500000e-02,  3.59375000e-01, -1.72851562e-01,
        -1.42578125e-01,  1.85546875e-01, -2.34375000e-01,  6.68945312e-02,
        -1.96289062e-01, -1.45507812e-01,  1.34765625e-01, -3.91006470e-05,
        -2.79296875e-01,  2.77343750e-01, -3.19824219e-02, -1.21582031e-01,
        -1.50756836e-02, -1.81640625e-01,  5.32226562e-02, -1.08886719e-01,
        -5.71289062e-02,  1.56250000e-01,  1.82617188e-01,  9.57031250e-02,
        -6.64062500e-02,  3.92578125e-01, -1.26342773e-02,  7.66601562e-02,
        -1.76757812e-01,  2.77343750e-01, -2.87109375e-01, -1.21582031e-01,
        -2.03857422e-02,  1.15966797e-02, -4.56542969e-02,  3.24218750e-01,
        -2.53906250e-01,  7.51953125e-02, -1.17187500e-01,  5.37109375e-03,
         1.00097656e-01, -1.04980469e-02,  4.73022461e-03, -6.71386719e-03,
        -2.09960938e-02, -7.71484375e-02, -1.94335938e-01,  2.75878906e-02,
         7.56835938e-02,  1.78710938e-01,  2.12402344e-02, -9.96093750e-02,
        -4.58984375e-01, -1.63085938e-01, -1.97265625e-01, -1.03515625e-01,
         3.78906250e-01,  1.21582031e-01,  4.85839844e-02,  8.93554688e-02,
        -7.71484375e-02,  1.27929688e-01,  2.17285156e-02,  5.27343750e-02,
        -2.69775391e-02, -1.02050781e-01,  1.27563477e-02, -7.03125000e-02,
        -2.02148438e-01, -9.22851562e-02, -1.99218750e-01,  5.90820312e-02,
        -1.39160156e-02,  2.31933594e-02, -1.84570312e-01,  7.32421875e-02,
         2.78320312e-02, -1.09252930e-02, -7.12890625e-02, -5.15136719e-02,
         6.10351562e-02,  5.66406250e-02,  2.41699219e-02, -2.63671875e-0
2],
       dtype=float32),
 'better': array([-0.19433594, -0.06152344,  0.00915527,  0.12597656,  0.00
939941,
         0.11914062, -0.06738281,  0.015625  ,  0.04223633, -0.04077148,
         0.06347656, -0.09277344,  0.09179688,  0.09472656, -0.12597656,
         0.1015625 ,  0.10058594, -0.0098877 ,  0.09667969, -0.03039551,
        -0.06542969,  0.15136719,  0.02441406, -0.08105469, -0.05053711,
         0.125     , -0.16796875,  0.00061417,  0.07324219,  0.0612793 ,
        -0.08447266,  0.14257812, -0.03442383, -0.08935547,  0.19140625,
         0.14257812,  0.01647949,  0.05175781,  0.10595703,  0.19238281,
         0.11523438, -0.0859375 ,  0.07470703, -0.03369141, -0.01098633,
        -0.07910156,  0.04663086,  0.14257812,  0.13671875,  0.03588867,
         0.13378906,  0.171875  , -0.14648438, -0.15136719, -0.06787109,
        -0.09179688, -0.09228516, -0.16992188,  0.11572266, -0.36328125,
        -0.09716797,  0.09912109, -0.35742188, -0.08154297, -0.01806641,
         0.01940918, -0.08496094, -0.01599121, -0.23535156,  0.08837891,
         0.10839844,  0.01977539,  0.2734375 , -0.02734375, -0.22167969,
        -0.16796875,  0.28515625,  0.19921875,  0.01635742, -0.16308594,
         0.00674438,  0.125     , -0.08447266,  0.18945312, -0.07275391,
```

```
        -0.00248718, -0.10351562,  0.10546875,  0.10888672,  0.21386719,
         0.18554688,  0.0222168 , -0.16113281, -0.13378906, -0.06689453,
        -0.27148438,  0.26171875,  0.07910156,  0.02966309, -0.12988281,
         0.1015625 , -0.14160156,  0.00512695,  0.00352478, -0.1015625 ,
        -0.03588867, -0.2734375 , -0.11962891, -0.17089844, -0.06933594,
         0.16894531,  0.11376953, -0.18066406,  0.0456543 ,  0.171875  ,
        -0.02282715,  0.07080078, -0.34375   , -0.06640625,  0.01879883,
        -0.22460938,  0.17382812, -0.08105469,  0.01989746, -0.15039062,
        -0.18261719,  0.06298828, -0.08154297, -0.06396484,  0.02319336,
        -0.13085938, -0.05126953, -0.19824219, -0.02355957,  0.012146  ,
        -0.2578125 ,  0.27734375,  0.08398438, -0.02148438,  0.13183594,
        -0.04296875,  0.01940918,  0.05737305, -0.04345703,  0.09521484,
        -0.23925781, -0.203125  , -0.19726562,  0.2578125 , -0.08300781,
        -0.1015625 ,  0.14453125, -0.28515625,  0.31835938, -0.12402344,
         0.07763672, -0.18359375, -0.10449219, -0.06445312,  0.06396484,
         0.12207031,  0.19335938,  0.03466797,  0.12695312,  0.16992188,
        -0.05688477, -0.0534668 , -0.09130859,  0.12792969, -0.06494141,
        -0.18359375,  0.06787109, -0.10791016, -0.06738281, -0.02368164,
         0.33203125,  0.09863281, -0.04101562, -0.02868652, -0.00610352,
        -0.21386719, -0.16113281,  0.05932617, -0.11865234, -0.375     ,
        -0.09472656, -0.10449219, -0.02209473, -0.02075195, -0.17480469,
        -0.0014267 , -0.04321289, -0.03039551, -0.06787109,  0.11572266,
        -0.20410156, -0.00234985, -0.12158203, -0.0402832 , -0.09228516,
        -0.16015625,  0.10986328, -0.01171875,  0.05615234,  0.12011719,
        -0.24023438,  0.012146  , -0.1484375 , -0.15234375,  0.06225586,
         0.03930664,  0.17773438, -0.0088501 ,  0.09960938,  0.04711914,
        -0.26171875,  0.17675781,  0.12207031,  0.0098877 ,  0.11132812,
        -0.24414062, -0.09619141, -0.03344727, -0.07617188,  0.04125977,
        -0.21679688, -0.18164062,  0.1171875 ,  0.01287842,  0.37304688,
         0.08544922, -0.1015625 ,  0.2578125 ,  0.09082031,  0.16699219,
        -0.02160645, -0.35742188, -0.31054688,  0.02416992,  0.03222656,
         0.18164062,  0.04418945,  0.10986328, -0.04882812, -0.01623535,
         0.04370117,  0.11621094,  0.13769531, -0.3046875 , -0.10205078,
         0.10888672,  0.19335938,  0.05029297,  0.06396484,  0.08789062,
        -0.08154297, -0.04516602,  0.09814453,  0.0177002 , -0.08154297,
        -0.13671875,  0.09765625, -0.14160156,  0.07226562,  0.10839844,
        -0.08642578, -0.03808594, -0.23242188, -0.22851562,  0.05200195,
        -0.03955078, -0.02600098,  0.14746094, -0.04052734,  0.08642578,
        -0.03637695, -0.10009766, -0.01879883, -0.05444336,  0.1953125 ,
         0.07421875,  0.08154297, -0.03662109,  0.05834961, -0.00811768,
         0.06396484, -0.09326172, -0.02331543,  0.13085938,  0.1484375 ,
         0.13085938,  0.14355469, -0.17675781,  0.10009766, -0.02416992,
         0.11328125, -0.14648438, -0.08007812, -0.08740234, -0.00427246],
       dtype=float32),
 'content': array([ 1.33056641e-02, -9.99450684e-04,  8.00781250e-02,  4.45
556641e-03,
        -2.81250000e-01,  1.76757812e-01,  1.97265625e-01,  7.27539062e-02,
         2.44140625e-01, -2.34375000e-01, -2.08984375e-01, -2.57812500e-01,
        -1.30859375e-01, -1.56250000e-02, -1.96289062e-01, -1.88476562e-01,
         2.63671875e-02,  6.39648438e-02,  1.69921875e-01, -3.94531250e-01,
         1.61132812e-01, -5.05371094e-02,  8.44726562e-02,  1.83593750e-01,
         1.66992188e-01, -5.59082031e-02, -8.60595703e-03,  2.89062500e-01,
        -7.37304688e-02, -2.91015625e-01, -7.17773438e-02, -1.13769531e-01,
         9.57031250e-02,  6.39648438e-02, -6.34765625e-02, -5.51757812e-02,
        -1.72119141e-02,  3.00292969e-02, -4.98046875e-02,  1.20117188e-01,
        -3.61328125e-02, -3.46679688e-02,  9.61914062e-02,  1.20239258e-02,
        -1.28906250e-01, -2.27539062e-01,  3.34167480e-03,  4.58984375e-02,
         1.48437500e-01, -9.27734375e-02, -5.37109375e-02, -2.12890625e-01,
        -6.93359375e-02, -3.58886719e-02,  3.97949219e-02,  1.62109375e-01,
         2.73437500e-02, -9.52148438e-02, -1.30859375e-01, -1.18164062e-01,
         2.20703125e-01, -6.10351562e-02, -2.35351562e-01,  2.44140625e-02,
        -3.78906250e-01,  2.24609375e-01, -2.85156250e-01, -2.01171875e-01,
         1.95312500e-01,  1.51367188e-01, -1.05468750e-01,  2.46582031e-02,
        -3.26156616e-04, -1.00585938e-01, -6.34765625e-02, -1.91406250e-01,
```

```
         3.26171875e-01, -6.00585938e-02, -3.80859375e-02,  1.06933594e-01,
         1.83593750e-01,  1.00097656e-01,  1.66992188e-01,  1.72851562e-01,
         2.02148438e-01, -2.69531250e-01, -1.58691406e-02,  1.10351562e-01,
        -9.03320312e-02,  2.48046875e-01,  1.12304688e-02, -2.37304688e-01,
        -8.93554688e-02, -7.66601562e-02,  1.94335938e-01, -3.04687500e-01,
        -7.47070312e-02,  3.88183594e-02,  5.71289062e-02,  3.20312500e-01,
         2.21679688e-01,  1.75781250e-01, -9.42382812e-02, -1.32812500e-01,
        -1.70898438e-01, -2.22656250e-01,  6.22558594e-02,  1.84570312e-01,
         3.22265625e-02, -2.19726562e-01,  1.51367188e-01,  2.51953125e-01,
        -8.88671875e-02,  4.07714844e-02,  2.79296875e-01, -8.54492188e-02,
         7.12890625e-02, -3.43750000e-01, -4.76074219e-02, -3.87573242e-03,
        -2.67578125e-01,  1.69677734e-02, -1.55273438e-01,  4.29687500e-01,
        -1.15234375e-01, -4.46777344e-02, -2.08007812e-01,  1.17675781e-01,
        -2.67578125e-01, -1.37695312e-01, -3.33984375e-01,  2.53906250e-01,
        -1.19140625e-01,  6.98242188e-02, -1.84570312e-01,  1.59179688e-01,
         1.83593750e-01,  1.38671875e-01,  1.64062500e-01, -1.21582031e-01,
         2.36816406e-02, -2.15820312e-01,  3.41796875e-02,  2.73437500e-02,
         2.41210938e-01, -1.68945312e-01,  4.29687500e-01,  8.74023438e-02,
        -1.42578125e-01, -1.71875000e-01,  1.13769531e-01,  1.72851562e-01,
        -1.06933594e-01, -9.32617188e-02,  3.58886719e-02, -2.59765625e-01,
         1.15356445e-02, -4.88281250e-02, -7.71484375e-02,  2.86865234e-02,
         1.40991211e-02,  1.54296875e-01,  3.66210938e-02,  3.90625000e-01,
         1.56250000e-01, -9.13085938e-02,  3.61328125e-02, -5.82885742e-03,
        -4.07714844e-02,  5.12695312e-02, -8.25195312e-02, -8.83789062e-02,
         1.48437500e-01, -2.27539062e-01, -2.19726562e-02, -2.18750000e-01,
         8.93554688e-02, -4.53125000e-01, -3.59375000e-01,  3.68652344e-02,
        -3.83300781e-02, -7.66601562e-02,  1.84570312e-01, -1.62109375e-01,
         1.02539062e-01,  1.17187500e-01, -4.66796875e-01,  4.85839844e-02,
         1.57226562e-01, -1.45507812e-01,  1.23535156e-01, -2.12890625e-01,
        -2.20703125e-01, -1.79687500e-01, -1.60156250e-01,  3.02734375e-02,
        -7.37304688e-02, -1.69677734e-02,  1.05957031e-01, -1.33789062e-01,
         4.95605469e-02,  1.63574219e-02, -1.13281250e-01,  1.85546875e-01,
        -2.32421875e-01,  6.54296875e-02,  1.21093750e-01, -1.75781250e-01,
        -4.34570312e-02, -5.41992188e-02, -1.57226562e-01,  1.01562500e-01,
        -1.13281250e-01,  1.44531250e-01, -2.18505859e-02,  1.59179688e-01,
         2.23388672e-02, -1.33789062e-01, -1.57226562e-01,  2.90527344e-02,
         1.17187500e-02, -1.78710938e-01, -7.01904297e-03, -2.38281250e-01,
        -4.07714844e-02,  6.93359375e-02, -3.02734375e-02, -1.50390625e-01,
         1.54296875e-01,  8.74023438e-02, -2.36328125e-01, -2.08984375e-01,
        -1.47460938e-01, -1.34887695e-02,  2.18505859e-02, -1.97265625e-01,
         1.06933594e-01,  1.45507812e-01,  1.67968750e-01,  2.50000000e-01,
         9.86328125e-02, -5.90820312e-02,  2.59765625e-01, -1.45507812e-01,
        -3.78417969e-02,  4.56542969e-02,  1.25000000e-01,  4.86328125e-01,
        -7.76367188e-02,  9.96093750e-02,  1.50390625e-01,  8.74023438e-02,
        -3.08593750e-01,  1.45507812e-01, -3.22265625e-02, -7.95898438e-02,
        -2.71484375e-01, -2.26562500e-01, -1.44531250e-01, -9.47265625e-02,
         1.52343750e-01,  1.64062500e-01,  5.98144531e-02,  1.21093750e-01,
         3.00292969e-02,  5.59082031e-02,  1.27929688e-01,  5.31005859e-03,
        -2.29492188e-01, -1.00585938e-01,  8.64257812e-02,  1.40625000e-01,
         8.83789062e-02,  1.90429688e-02, -3.78417969e-02,  2.00195312e-01,
        -2.81250000e-01,  9.33837891e-03,  8.54492188e-02,  2.33154297e-02,
        -9.61914062e-02, -7.95898438e-02, -4.51660156e-02,  6.03027344e-02,
        -3.80859375e-02,  1.55273438e-01,  9.13085938e-02,  1.33789062e-01,
         4.44335938e-02,  1.25000000e-01,  1.28906250e-01, -8.10546875e-02,
         1.94335938e-01,  1.18652344e-01, -1.15966797e-02,  6.93359375e-02,
         6.12792969e-02, -1.77734375e-01, -8.78906250e-02, -2.91748047e-0
2],
       dtype=float32),
 'construed': array([-0.24121094, -0.46679688,  0.37304688,  0.19726562, -
0.75390625,
         0.20605469,  0.16699219,  0.35742188,  0.03637695, -0.05126953,
        -0.15429688, -0.20019531, -0.29492188,  0.515625  , -0.08886719,
         0.40429688,  0.18652344, -0.08447266,  0.35742188, -0.36328125,
         0.48632812,  0.01409912, -0.50390625, -0.02722168, -0.12695312,
```

```
        -0.73828125, -0.03320312,  0.08154297,  0.02832031,  0.41992188,
         0.15917969, -0.44726562, -0.15820312, -0.04248047, -0.03857422,
         0.04296875,  0.27734375,  0.00500488,  0.13671875, -0.31835938,
         0.37890625, -0.04736328, -0.0222168 , -0.26367188,  0.02319336,
        -0.31054688, -0.20019531,  0.203125  , -0.02868652, -0.27148438,
         0.24511719,  0.5390625 , -0.03710938,  0.40429688, -0.2734375 ,
         0.20703125, -0.0402832 , -0.58203125,  0.0177002 ,  0.25195312,
         0.02441406, -0.09179688,  0.17675781, -0.21582031, -0.22265625,
         0.16699219, -0.48632812,  0.13867188, -0.34179688, -0.19628906,
        -0.02856445,  0.03088379,  0.31640625,  0.3125    , -0.45507812,
        -0.18847656, -0.359375  , -0.078125  ,  0.15917969,  0.03442383,
        -0.12695312, -0.20996094, -0.36914062,  0.18261719,  0.09863281,
         0.08056641,  0.16601562,  0.35351562, -0.0859375 , -0.03125   ,
         0.09423828,  0.04931641, -0.32226562,  0.25390625,  0.57421875,
        -0.34765625,  0.58984375,  0.38476562, -0.0402832 , -0.28710938,
         0.18945312,  0.23632812, -0.01635742,  0.01647949, -0.27929688,
        -0.046875  ,  0.15917969,  0.15917969, -0.17382812, -0.1953125 ,
        -0.16894531,  0.27929688,  0.10009766,  0.61328125,  0.17382812,
         0.05981445,  0.46875   , -0.04101562,  0.41210938,  0.234375  ,
         0.12792969, -0.23339844, -0.4765625 , -0.26953125, -0.17382812,
         0.36132812, -0.03198242, -0.25585938, -0.07617188, -0.19238281,
        -0.26953125, -0.16601562, -0.12158203,  0.50390625, -0.09423828,
         0.03710938, -0.13476562,  0.13574219,  0.23925781,  0.22949219,
         0.13476562,  0.10888672,  0.08984375, -0.16992188,  0.06835938,
        -0.02380371, -0.296875  , -0.0177002 ,  0.24609375,  0.08349609,
         0.39648438, -0.17285156,  0.21191406, -0.23730469, -0.05712891,
         0.25195312,  0.13867188, -0.14941406, -0.16308594, -0.08447266,
         0.2890625 ,  0.09960938,  0.64453125,  0.09716797, -0.16894531,
        -0.14453125,  0.07714844, -0.03100586,  0.46484375,  0.31640625,
        -0.33398438, -0.125     ,  0.171875  , -0.09716797,  0.32226562,
         0.16015625,  0.5546875 , -0.00619507, -0.1953125 ,  0.0378418 ,
         0.0133667 ,  0.05737305,  0.19140625,  0.42382812, -0.41601562,
         0.3828125 , -0.10546875,  0.515625  , -0.0123291 ,  0.33789062,
         0.1328125 ,  0.25390625, -0.26953125,  0.1796875 , -0.296875  ,
        -0.03637695, -0.29101562,  0.07226562,  0.25976562, -0.34960938,
         0.22167969, -0.01312256,  0.04394531,  0.33007812, -0.22070312,
         0.21386719,  0.25390625, -0.1796875 , -0.39648438, -0.01159668,
        -0.23828125,  0.06054688, -0.16992188, -0.00582886,  0.19335938,
        -0.33203125,  0.00622559,  0.16992188, -0.3359375 , -0.12988281,
         0.25195312, -0.04711914, -0.13769531, -0.2890625 , -0.10791016,
        -0.04125977,  0.3984375 ,  0.29101562, -0.140625  , -0.05639648,
        -0.16503906,  0.19042969, -0.23730469,  0.06396484, -0.06030273,
         0.06494141, -0.10595703,  0.12890625,  0.13183594, -0.0098877 ,
         0.11816406, -0.16699219,  0.28125   , -0.09472656, -0.30664062,
         0.08935547, -0.5625    ,  0.27734375, -0.2265625 ,  0.046875  ,
         0.19238281, -0.01330566,  0.04418945,  0.3359375 ,  0.10205078,
        -0.00665283,  0.02124023,  0.3984375 ,  0.23046875, -0.203125  ,
         0.05151367,  0.15527344,  0.26757812, -0.22167969,  0.04101562,
         0.40820312, -0.0859375 , -0.41015625, -0.32617188, -0.78125   ,
        -0.02233887, -0.15429688,  0.4140625 ,  0.01257324,  0.30078125,
        -0.26953125, -0.12988281, -0.29882812,  0.28515625,  0.2109375 ,
        -0.35546875,  0.1953125 , -0.25390625, -0.36914062, -0.22949219,
        -0.01965332,  0.12451172,  0.06835938, -0.20800781, -0.29101562,
        -0.08642578, -0.19238281,  0.36523438,  0.21777344,  0.08154297,
        -0.02722168, -0.05566406,  0.06201172, -0.08251953, -0.18457031],
       dtype=float32),
 'nothing': array([ 1.64062500e-01,  5.63964844e-02,  8.25195312e-02, -6.59
179688e-02,
        -8.20312500e-02,  7.42187500e-02,  2.59765625e-01, -2.08007812e-01,
        -1.98974609e-02,  1.19140625e-01,  4.37011719e-02, -1.89453125e-01,
        -1.61132812e-01,  1.27929688e-01, -1.97265625e-01,  2.42187500e-01,
         1.31835938e-01,  9.17968750e-02,  2.38281250e-01, -2.75878906e-02,
        -6.83593750e-02, -2.25830078e-02, -9.57031250e-02, -2.67578125e-01,
         4.32128906e-02,  8.88671875e-02,  8.66699219e-03,  8.54492188e-02,
```

```
 4.80957031e-02, -6.50024414e-03, -4.73632812e-02,  2.47802734e-02,
 7.08007812e-02, -9.66796875e-02,  7.71484375e-02,  9.32617188e-02,
 2.65625000e-01,  7.17773438e-02,  2.08740234e-02, -6.10351562e-02,
 5.00488281e-03, -6.54296875e-02,  2.50000000e-01, -6.59179688e-02,
-1.80664062e-02, -1.01562500e-01, -7.51953125e-02,  1.33789062e-01,
-5.46264648e-03, -1.08032227e-02, -1.30004883e-02,  9.86328125e-02,
-3.71093750e-02, -9.71679688e-02, -2.40478516e-02, -5.29785156e-02,
-2.14843750e-01, -3.76953125e-01,  4.56542969e-02, -2.29492188e-01,
 2.94189453e-02,  1.79687500e-01,  1.82617188e-01, -2.54821777e-03,
-3.61328125e-02,  2.94189453e-02, -2.09960938e-02, -5.61523438e-02,
-2.05078125e-01,  5.51757812e-02,  1.08886719e-01,  1.94091797e-02,
 1.32812500e-01, -1.77001953e-02, -2.10937500e-01, -2.05078125e-01,
 3.46679688e-02,  3.18908691e-03,  2.38281250e-01,  1.03515625e-01,
 5.95703125e-02, -1.24023438e-01,  3.17382812e-02, -8.05664062e-02,
-3.96484375e-01, -2.40234375e-01,  1.53320312e-01,  2.07031250e-01,
 5.98144531e-02, -2.30468750e-01,  2.08007812e-01,  3.93676758e-03,
-2.38281250e-01,  1.23535156e-01, -8.74023438e-02, -1.09375000e-01,
 4.61425781e-02,  2.48046875e-01,  3.00292969e-02, -8.49609375e-02,
-1.55273438e-01,  1.79687500e-01, -1.96533203e-02,  3.88183594e-02,
-1.19140625e-01, -3.83300781e-02,  3.51562500e-02, -1.66015625e-02,
 9.03320312e-03, -2.29492188e-01, -6.12792969e-02,  3.90625000e-02,
 9.37500000e-02,  2.57568359e-02, -3.14712524e-04,  4.98046875e-02,
 1.99218750e-01, -9.52148438e-02, -2.51953125e-01,  2.15820312e-01,
-1.67968750e-01,  1.17675781e-01,  1.40625000e-01, -5.27343750e-02,
-8.49609375e-02, -3.07617188e-02, -1.09863281e-01, -8.59375000e-02,
 8.49609375e-02, -9.52148438e-02, -1.66015625e-01, -2.07031250e-01,
 7.17773438e-02, -8.44726562e-02, -7.32421875e-02, -2.50000000e-01,
 1.25000000e-01,  1.48437500e-01, -9.70458984e-03,  3.85742188e-02,
 3.41796875e-02, -3.22265625e-01,  1.71875000e-01,  1.61132812e-01,
-6.88476562e-02, -6.65283203e-03, -1.70898438e-01,  6.20117188e-02,
-1.21582031e-01, -3.56445312e-02,  3.32031250e-02,  1.21459961e-02,
-2.04101562e-01, -3.58581543e-03, -6.49414062e-02,  1.06933594e-01,
-1.99218750e-01, -1.76757812e-01, -7.66601562e-02,  9.22851562e-02,
-6.40869141e-03,  3.14453125e-01,  3.49121094e-02,  7.17773438e-02,
 1.41601562e-01, -1.87500000e-01,  2.25830078e-02, -5.73730469e-03,
 3.24707031e-02, -1.23291016e-02, -3.71093750e-02,  1.89453125e-01,
-3.44238281e-02, -1.46484375e-01, -1.52343750e-01, -6.49414062e-02,
-5.58471680e-03, -2.29492188e-01,  5.15136719e-02, -5.22460938e-02,
-1.88476562e-01, -1.52343750e-01,  2.38281250e-01, -3.14941406e-02,
 9.66796875e-02, -5.70678711e-03, -4.51660156e-02, -1.96533203e-02,
-1.10839844e-01,  8.88671875e-02,  1.53320312e-01,  9.61914062e-02,
 1.91406250e-01,  1.48437500e-01,  6.44531250e-02, -9.17968750e-02,
-1.02050781e-01,  2.71484375e-01, -9.76562500e-02, -1.35742188e-01,
-1.57226562e-01,  5.66406250e-02, -1.36718750e-02,  1.83593750e-01,
 1.67968750e-01,  1.23046875e-01, -5.76171875e-02, -4.83398438e-02,
-4.51660156e-02,  5.67626953e-03,  8.15429688e-02, -7.86132812e-02,
-1.28906250e-01, -2.45117188e-01, -1.65039062e-01,  7.42187500e-02,
 2.04101562e-01, -7.59887695e-03, -3.93066406e-02, -1.23046875e-01,
-1.20605469e-01, -6.54296875e-02, -1.60156250e-01,  1.20605469e-01,
 8.05664062e-02, -1.12304688e-02,  7.22656250e-02,  1.82617188e-01,
-1.39160156e-02,  1.31835938e-01,  8.59375000e-02,  6.73828125e-02,
 2.00195312e-01,  7.78198242e-04,  8.49609375e-02, -1.41601562e-01,
-2.20947266e-02, -2.47070312e-01,  3.22265625e-01, -1.13769531e-01,
 1.90429688e-01,  2.30712891e-02,  7.51953125e-02, -9.08203125e-02,
-1.57470703e-02,  2.89306641e-02, -5.12695312e-02, -3.97949219e-02,
 9.47265625e-02,  6.17675781e-02,  3.27148438e-02,  2.39257812e-01,
-1.33056641e-02,  2.36328125e-01,  3.10546875e-01, -8.15429688e-02,
-4.66308594e-02, -8.34960938e-02,  4.44335938e-02, -5.22460938e-02,
 9.27734375e-02,  3.32031250e-02, -5.44433594e-02, -2.66113281e-02,
-2.83203125e-01,  1.09375000e-01, -4.76074219e-02, -3.17382812e-02,
-1.73828125e-01, -2.13623047e-02,  2.01171875e-01,  2.63671875e-01,
 2.61718750e-01,  9.09423828e-03, -9.66796875e-02, -5.68847656e-02,
-1.61132812e-01, -2.44140625e-02,  2.29492188e-01, -1.39648438e-01,
 1.15722656e-01, -5.02929688e-02, -4.78515625e-02,  2.37304688e-01,
```

```
         2.40478516e-02,  7.27539062e-02,  7.62939453e-03, -3.84765625e-01,
        -8.78906250e-02, -1.45507812e-01, -1.54296875e-01,  8.93554688e-02,
        -7.56835938e-02,  1.43554688e-01,  3.11279297e-02, -8.74023438e-02,
         1.59179688e-01, -7.37304688e-02, -3.24707031e-02, -1.03515625e-0
1],
       dtype=float32),
 'restricts': array([-0.11279297, -0.17382812,  0.03515625, -0.16113281, -
0.14746094,
        -0.15039062, -0.07324219,  0.16796875,  0.08886719, -0.21582031,
        -0.02624512, -0.34570312,  0.04980469, -0.11474609, -0.06298828,
         0.18945312, -0.04882812,  0.3125    , -0.22949219, -0.02197266,
        -0.01794434, -0.23925781, -0.546875  ,  0.44335938, -0.06835938,
        -0.28320312, -0.08349609,  0.28515625,  0.16894531,  0.19140625,
         0.16796875, -0.24707031,  0.18554688,  0.08496094,  0.18457031,
        -0.14257812, -0.2578125 , -0.02502441,  0.01757812,  0.18359375,
         0.14355469, -0.09179688,  0.20410156,  0.29296875, -0.11865234,
        -0.06787109, -0.04199219, -0.09667969,  0.08496094, -0.578125  ,
        -0.08544922, -0.16308594, -0.12207031, -0.10400391,  0.0480957 ,
        -0.15820312, -0.29296875, -0.2265625 ,  0.21972656, -0.11425781,
         0.03637695, -0.02148438,  0.05297852, -0.19921875,  0.04858398,
        -0.02258301, -0.0201416 ,  0.28515625, -0.16992188, -0.01141357,
         0.04956055, -0.21972656, -0.03466797,  0.08496094,  0.04663086,
        -0.28125   ,  0.05566406,  0.15527344,  0.10742188,  0.48242188,
         0.03833008, -0.03881836, -0.02258301,  0.22460938, -0.33203125,
         0.14355469, -0.18164062,  0.16699219,  0.1796875 ,  0.18261719,
        -0.171875  , -0.21972656,  0.125     , -0.171875  ,  0.14160156,
        -0.07958984,  0.00778198,  0.02453613,  0.13671875,  0.1875    ,
         0.09228516, -0.08154297, -0.19335938,  0.25390625, -0.06298828,
         0.0324707 ,  0.10742188, -0.25      , -0.16601562, -0.45898438,
         0.01953125, -0.22949219,  0.03417969, -0.22363281,  0.17773438,
         0.02001953,  0.00350952,  0.203125  ,  0.1328125 , -0.1328125 ,
         0.30273438,  0.18457031,  0.22265625,  0.21386719,  0.02416992,
        -0.2890625 , -0.01647949,  0.04736328,  0.09130859,  0.06640625,
         0.30859375,  0.10351562,  0.02233887,  0.06103516,  0.12890625,
        -0.19433594, -0.15039062,  0.22753906, -0.10058594, -0.38867188,
         0.46484375,  0.0612793 ,  0.08935547,  0.29492188,  0.02001953,
        -0.22558594, -0.28515625, -0.06835938, -0.15625   , -0.17480469,
         0.56640625,  0.12451172,  0.03320312, -0.00817871,  0.14648438,
         0.16992188,  0.19726562,  0.03491211, -0.47460938,  0.0213623 ,
         0.16601562, -0.16308594,  0.03417969, -0.20019531, -0.00546265,
         0.02416992, -0.12402344, -0.18847656, -0.02148438, -0.3515625 ,
        -0.4453125 , -0.01904297,  0.06982422, -0.03149414,  0.234375  ,
        -0.18359375,  0.15917969, -0.2578125 , -0.34179688, -0.18945312,
        -0.359375  , -0.06884766,  0.19433594, -0.06542969,  0.05053711,
        -0.10644531,  0.18359375,  0.3046875 , -0.03613281,  0.14355469,
         0.02575684,  0.16113281, -0.10644531, -0.03149414,  0.08447266,
        -0.08154297, -0.3515625 , -0.25      ,  0.15820312, -0.06396484,
         0.29296875, -0.19140625,  0.10449219, -0.00270081, -0.21777344,
         0.04296875,  0.17285156,  0.09472656, -0.17285156, -0.17480469,
        -0.09472656, -0.0133667 ,  0.08496094,  0.06298828, -0.02758789,
         0.1015625 , -0.09277344,  0.16894531, -0.40820312, -0.06835938,
        -0.28710938, -0.29101562,  0.11572266, -0.265625  ,  0.0859375 ,
         0.13476562,  0.09765625, -0.01708984,  0.0859375 ,  0.3046875 ,
         0.18164062, -0.06542969,  0.0324707 ,  0.44140625,  0.10009766,
        -0.15527344,  0.14160156, -0.34960938,  0.11865234,  0.2578125 ,
        -0.19726562,  0.27148438,  0.31445312, -0.19140625,  0.13183594,
         0.00424194, -0.23828125,  0.49414062,  0.25      , -0.26953125,
         0.11181641, -0.02404785, -0.05322266, -0.06640625, -0.17382812,
         0.04516602,  0.03393555,  0.22949219, -0.04199219,  0.41015625,
        -0.2109375 ,  0.09033203,  0.07958984, -0.18847656,  0.15625   ,
        -0.10009766, -0.18066406, -0.28515625,  0.17675781, -0.47460938,
         0.06005859,  0.265625  ,  0.22753906, -0.20996094, -0.125     ,
        -0.42773438, -0.26757812,  0.04150391, -0.06982422, -0.11523438,
        -0.08105469,  0.34570312,  0.1328125 ,  0.22265625,  0.04638672,
```

```
         0.13476562, -0.21777344,  0.23730469,  0.18457031,  0.07080078,
         0.02807617, -0.19140625, -0.0378418 , -0.2578125 , -0.20507812,
         0.1328125 , -0.06689453, -0.23242188, -0.11572266,  0.36914062],
       dtype=float32),
 'right': array([ 1.45507812e-01, -1.89208984e-02,  9.61914062e-02,  1.2890
6250e-01,
        -1.22070312e-01, -2.01171875e-01,  2.05078125e-01, -1.28906250e-01,
        -5.32226562e-02, -3.73535156e-02, -1.19140625e-01, -8.10546875e-02,
         4.24804688e-02,  7.03125000e-02, -1.96289062e-01,  4.76074219e-02,
         9.17968750e-02,  4.24804688e-02,  3.17382812e-02, -1.67968750e-01,
         4.95605469e-02,  1.43554688e-01, -1.70898438e-02,  7.47070312e-02,
         1.00585938e-01,  2.27050781e-02, -3.78417969e-02,  2.51464844e-02,
         8.00781250e-02, -6.53076172e-03, -3.46679688e-02,  1.06933594e-01,
         4.12597656e-02,  1.42822266e-02, -3.19824219e-02,  2.20947266e-02,
         7.81250000e-02,  3.24707031e-02, -1.10351562e-01,  3.00598145e-03,
        -8.39843750e-02, -1.04492188e-01,  2.40234375e-01, -1.70898438e-01,
        -4.41894531e-02,  1.58203125e-01,  6.25000000e-02, -9.37500000e-02,
         9.47265625e-02, -1.34765625e-01, -1.68945312e-01,  1.84570312e-01,
         5.90820312e-02, -1.21093750e-01, -1.62109375e-01,  5.98144531e-02,
        -4.61425781e-02, -9.71679688e-02, -9.61914062e-02, -1.28906250e-01,
        -1.60156250e-01,  9.64355469e-03, -5.98144531e-02, -2.14843750e-01,
        -8.97216797e-03, -1.07421875e-01,  8.15429688e-02,  6.17675781e-02,
        -7.91015625e-02,  8.10546875e-02,  1.35742188e-01, -8.48388672e-03,
         1.07421875e-01, -4.71191406e-02, -1.54296875e-01, -9.57031250e-02,
         1.89453125e-01,  2.92968750e-02, -1.83593750e-01,  2.47070312e-01,
         7.56835938e-02,  1.27929688e-01,  1.03515625e-01, -4.05273438e-02,
         9.13085938e-02, -1.74804688e-01, -4.17480469e-02,  1.57226562e-01,
         7.42187500e-02, -7.91015625e-02, -1.38671875e-01,  1.89453125e-01,
         5.79833984e-03, -5.05371094e-02, -1.70898438e-01, -1.74804688e-01,
        -2.41088867e-03, -3.68652344e-02, -3.63769531e-02,  8.54492188e-02,
        -4.46777344e-02, -8.60595703e-03,  1.46484375e-01,  4.54101562e-02,
        -1.31835938e-02, -2.75878906e-02, -7.51953125e-02, -3.95507812e-02,
         5.61523438e-02, -1.41601562e-01, -5.44433594e-02, -1.55273438e-01,
        -1.97265625e-01,  1.02050781e-01,  2.08740234e-02,  1.45507812e-01,
         1.18652344e-01,  6.83593750e-02, -8.83789062e-02,  2.40478516e-02,
        -1.08398438e-01,  6.98242188e-02, -4.46777344e-02,  2.46093750e-01,
        -1.56250000e-01, -1.87500000e-01, -1.63085938e-01, -1.37695312e-01,
        -8.25195312e-02,  1.26953125e-01, -1.06445312e-01, -1.15356445e-02,
        -9.61914062e-02,  3.08837891e-02,  1.58691406e-02, -4.04296875e-01,
         1.10351562e-01,  2.79296875e-01,  2.27539062e-01,  9.91821289e-04,
         4.93164062e-02,  1.08398438e-01,  1.88476562e-01,  8.34960938e-02,
         1.49536133e-03,  4.44335938e-02,  3.20434570e-03, -2.57568359e-02,
         7.27539062e-02, -8.20312500e-02,  1.17187500e-01,  1.70898438e-01,
        -8.49609375e-02,  1.65039062e-01,  1.84570312e-01,  1.25000000e-01,
        -1.56250000e-01, -2.05078125e-01,  8.54492188e-02, -3.11279297e-02,
        -1.80664062e-01, -2.61230469e-02,  1.61132812e-01, -3.07617188e-02,
         3.02734375e-02, -1.68945312e-01, -7.71484375e-02, -9.52148438e-02,
        -1.36718750e-01, -7.61718750e-02, -1.84570312e-01, -2.67333984e-02,
        -1.61743164e-03,  1.03759766e-02,  2.42614746e-03,  3.07617188e-02,
         1.04980469e-01, -1.45507812e-01, -1.32812500e-01,  4.61578369e-04,
        -2.71484375e-01, -1.02050781e-01,  3.75976562e-02, -1.41601562e-01,
         3.19824219e-02, -2.55126953e-02, -6.49414062e-02,  7.81250000e-02,
         1.86523438e-01, -2.88085938e-02,  9.46044922e-03,  2.71484375e-01,
         5.78613281e-02, -1.21093750e-01, -2.03857422e-02, -3.44238281e-02,
        -1.11328125e-01,  2.81982422e-02,  1.08886719e-01, -1.35498047e-02,
        -1.05957031e-01, -4.54101562e-02,  3.41796875e-02, -2.78320312e-02,
         3.83300781e-02, -6.98242188e-02, -4.05273438e-02, -2.46582031e-02,
         2.05078125e-02,  5.32226562e-02, -1.04370117e-02,  6.44683838e-04,
        -6.93359375e-02,  1.04003906e-01,  2.74658203e-02, -6.83593750e-03,
         2.16796875e-01,  6.40869141e-03, -2.53906250e-02,  1.03759766e-02,
        -1.88476562e-01, -9.88769531e-03, -8.05664062e-02, -1.78710938e-01,
         1.69921875e-01, -3.36914062e-02,  8.49609375e-02,  3.95507812e-02,
        -7.44628906e-03,  1.03515625e-01,  1.35498047e-02, -1.05468750e-01,
        -9.42382812e-02,  4.76074219e-02,  5.05371094e-02,  1.55273438e-01,
```

```
        -2.27050781e-02,  1.46484375e-02,  3.03955078e-02,  2.73437500e-01,
         4.83398438e-02,  2.11181641e-02, -1.21582031e-01, -2.41210938e-01,
         5.34667969e-02,  5.93261719e-02,  6.20117188e-02,  1.12792969e-01,
         1.46484375e-01,  3.24707031e-02, -2.50244141e-02, -2.16796875e-01,
         1.67236328e-02,  1.39160156e-02,  2.26562500e-01, -2.30468750e-01,
        -4.39453125e-02,  1.55029297e-02, -9.03320312e-02, -1.08886719e-01,
        -1.48437500e-01, -2.40325928e-04, -1.20117188e-01,  8.78906250e-02,
         1.22558594e-01,  1.12792969e-01,  9.81445312e-02, -4.34570312e-02,
        -6.93359375e-02,  5.81054688e-02,  1.77001953e-03,  1.87500000e-01,
         2.55859375e-01,  2.45666504e-03, -1.29882812e-01, -4.05273438e-02,
        -7.03125000e-02, -1.29882812e-01, -1.04003906e-01,  8.93554688e-02,
         8.34960938e-02, -9.22851562e-02,  2.27050781e-02,  1.60156250e-01,
        -3.25012207e-03,  1.44531250e-01, -2.45361328e-02, -1.12792969e-01,
        -9.47265625e-02, -5.29785156e-02,  6.29882812e-02,  1.20605469e-01,
        -4.10156250e-02,  1.72119141e-02,  1.25000000e-01,  1.02539062e-01,
         1.85546875e-01, -4.49218750e-02, -5.39550781e-02,  3.00292969e-0
2],
       dtype=float32),
 'assign': array([ 0.08740234, -0.07519531,  0.03466797,  0.35351562, -0.10
058594,
        -0.04223633,  0.1171875 ,  0.07324219,  0.16796875, -0.15917969,
         0.09960938,  0.07666016,  0.20800781,  0.1328125 , -0.1875    ,
         0.18652344, -0.20214844, -0.04833984, -0.26757812, -0.140625  ,
        -0.21679688,  0.01757812,  0.08740234,  0.2890625 , -0.03735352,
        -0.14453125, -0.13476562,  0.01196289, -0.125     ,  0.18652344,
        -0.0378418 , -0.00257874, -0.06152344,  0.11132812, -0.109375  ,
        -0.15820312,  0.11621094,  0.23339844,  0.19238281,  0.08984375,
         0.08789062,  0.16894531,  0.28515625, -0.06494141, -0.171875  ,
        -0.23339844,  0.03979492, -0.05932617, -0.203125  , -0.11914062,
        -0.17480469,  0.06982422, -0.0324707 , -0.15625   , -0.19433594,
         0.0456543 , -0.18164062, -0.12597656, -0.12988281,  0.13769531,
         0.22558594,  0.16015625, -0.04736328, -0.11376953,  0.16015625,
        -0.00558472, -0.12353516, -0.05810547, -0.04711914, -0.13671875,
         0.28320312,  0.25976562,  0.12988281, -0.08935547, -0.04614258,
        -0.3984375 ,  0.22851562,  0.11035156,  0.02966309,  0.07617188,
         0.06054688,  0.06176758,  0.10791016,  0.12109375,  0.26953125,
        -0.17480469, -0.00081635,  0.00134277, -0.13378906,  0.08447266,
         0.11425781, -0.21386719, -0.10791016,  0.00683594,  0.296875  ,
         0.05737305,  0.09277344,  0.3203125 , -0.0534668 , -0.03588867,
         0.16308594, -0.10595703, -0.11767578, -0.09765625,  0.0546875 ,
        -0.04516602, -0.24902344, -0.00509644,  0.01263428,  0.22949219,
         0.06787109, -0.19726562, -0.00909424, -0.3828125 ,  0.3515625 ,
         0.29296875,  0.07226562, -0.05224609,  0.14355469, -0.12304688,
        -0.06152344, -0.02856445, -0.17871094,  0.28515625,  0.01312256,
         0.23730469, -0.12988281, -0.3359375 ,  0.10205078,  0.02648926,
         0.24121094, -0.29101562, -0.04052734,  0.19335938,  0.12988281,
        -0.17578125, -0.25195312,  0.08154297, -0.0324707 , -0.1953125 ,
         0.16113281, -0.22460938, -0.53515625,  0.03369141,  0.09033203,
         0.13769531, -0.32617188, -0.29882812, -0.06640625, -0.03515625,
         0.06542969,  0.04833984, -0.13378906,  0.03637695,  0.140625  ,
        -0.10400391, -0.02331543, -0.04833984, -0.21191406,  0.19042969,
         0.16699219, -0.07568359, -0.11767578, -0.18945312,  0.02575684,
         0.36328125,  0.09912109, -0.22167969,  0.00872803, -0.00970459,
        -0.23242188, -0.265625  , -0.00860596,  0.01556396,  0.17089844,
        -0.04052734,  0.16894531, -0.2109375 , -0.31445312, -0.09619141,
        -0.09375   , -0.04858398, -0.02050781,  0.171875  ,  0.05712891,
        -0.16015625, -0.12792969, -0.18945312,  0.07861328,  0.1484375 ,
        -0.07324219, -0.24023438, -0.24414062, -0.10595703, -0.13964844,
         0.08154297,  0.4140625 , -0.11816406, -0.00891113, -0.29296875,
         0.18261719,  0.08398438, -0.20117188, -0.09423828, -0.390625  ,
        -0.12207031, -0.07177734,  0.15722656,  0.15234375, -0.12353516,
         0.06689453,  0.15136719,  0.04541016,  0.12792969, -0.19238281,
        -0.05224609,  0.20898438, -0.1640625 , -0.04931641, -0.52734375,
        -0.07470703,  0.15039062, -0.18554688,  0.01159668,  0.14941406,
```

```
         0.04345703, -0.07568359,  0.17773438,  0.07226562, -0.08398438,
         0.15722656, -0.12304688, -0.14453125,  0.01794434,  0.140625  ,
        -0.10205078,  0.00686646, -0.40039062,  0.05419922,  0.12255859,
        -0.32617188, -0.10888672, -0.07080078, -0.21289062, -0.11328125,
         0.17285156, -0.06396484,  0.15917969, -0.04272461, -0.11767578,
        -0.1796875 ,  0.10009766, -0.00210571, -0.10351562, -0.15039062,
         0.09960938, -0.05029297,  0.24902344,  0.11865234,  0.00202942,
        -0.1328125 , -0.04101562, -0.21386719,  0.08642578,  0.29296875,
        -0.18359375,  0.12255859,  0.23144531, -0.33789062, -0.10498047,
         0.04345703,  0.06884766, -0.16015625, -0.05834961,  0.06982422,
         0.04882812, -0.15039062, -0.24707031,  0.00805664, -0.04077148,
        -0.26171875, -0.18457031,  0.08789062,  0.07275391,  0.28125   ,
         0.22070312, -0.21875   , -0.03442383,  0.06201172, -0.16308594,
         0.390625  ,  0.42773438,  0.1875    ,  0.12597656, -0.21972656,
         0.03833008,  0.2265625 , -0.10302734, -0.18164062,  0.13867188],
       dtype=float32),
 'reassign': array([-0.07763672, -0.14160156,  0.08349609,  0.140625  , -0.
40625   ,
        -0.234375  ,  0.07910156, -0.07275391,  0.07226562,  0.04052734,
         0.20117188,  0.35546875, -0.02758789,  0.10205078,  0.14453125,
        -0.01116943, -0.19140625, -0.09228516, -0.2421875 , -0.12304688,
         0.02709961, -0.02001953,  0.4140625 ,  0.07373047,  0.05200195,
         0.00762939, -0.09814453,  0.09472656, -0.453125  ,  0.08349609,
         0.22558594,  0.06689453, -0.03588867,  0.06005859,  0.06347656,
        -0.4375    ,  0.31835938,  0.31445312, -0.07763672,  0.25195312,
         0.01940918,  0.20019531,  0.109375  , -0.24121094, -0.19335938,
        -0.0559082 ,  0.09179688, -0.20410156, -0.19628906, -0.02807617,
        -0.37890625, -0.11669922,  0.03125   , -0.02246094, -0.25585938,
         0.05859375, -0.09423828, -0.06005859, -0.09863281,  0.22167969,
         0.15917969,  0.18652344,  0.02990723,  0.05859375,  0.02441406,
         0.08203125, -0.18457031, -0.078125  , -0.21875   , -0.02319336,
         0.12695312,  0.09033203,  0.15234375,  0.18457031, -0.01586914,
        -0.26171875,  0.09716797,  0.05053711, -0.04931641,  0.05932617,
         0.08691406,  0.33398438,  0.2890625 ,  0.4609375 ,  0.18652344,
        -0.1875    , -0.12792969,  0.19042969, -0.16113281,  0.11523438,
         0.11132812,  0.10009766, -0.0135498 ,  0.10351562,  0.30664062,
        -0.13476562,  0.21875   ,  0.2109375 , -0.20898438, -0.07617188,
        -0.07421875,  0.10009766, -0.03881836, -0.03369141,  0.10791016,
        -0.39453125,  0.08154297, -0.20800781, -0.09033203, -0.00531006,
        -0.01055908, -0.12060547,  0.04833984, -0.41601562,  0.1796875 ,
         0.03027344,  0.16601562, -0.0625    ,  0.4765625 , -0.2578125 ,
        -0.10986328,  0.05957031, -0.06933594,  0.23339844,  0.16796875,
        -0.30078125, -0.25390625, -0.171875  ,  0.23730469, -0.13476562,
         0.00531006, -0.26953125,  0.13964844, -0.078125  ,  0.19824219,
        -0.07373047, -0.39648438,  0.09472656, -0.13671875, -0.01379395,
         0.23046875, -0.37304688, -0.26953125,  0.06225586,  0.03393555,
         0.14941406, -0.09375   , -0.09277344, -0.15136719, -0.03173828,
         0.37109375,  0.13476562, -0.03686523,  0.41210938,  0.14453125,
         0.07324219,  0.14648438, -0.13574219, -0.22265625,  0.23730469,
         0.20410156, -0.11279297, -0.05517578, -0.20800781, -0.18164062,
         0.16308594, -0.01757812, -0.2890625 ,  0.05786133, -0.04296875,
         0.20605469, -0.01831055, -0.1484375 ,  0.03417969,  0.11181641,
         0.13183594,  0.14355469,  0.04321289, -0.12988281,  0.14550781,
        -0.40625   , -0.06787109, -0.09912109, -0.22558594,  0.08789062,
        -0.05102539,  0.02453613, -0.16210938,  0.12988281,  0.08447266,
         0.04760742, -0.38671875, -0.05688477,  0.12695312, -0.06787109,
        -0.03930664,  0.44335938, -0.12695312,  0.05761719, -0.20410156,
         0.1328125 , -0.06591797,  0.06835938, -0.01501465, -0.12988281,
        -0.21386719,  0.01153564,  0.04394531,  0.22949219, -0.10205078,
        -0.03613281, -0.01538086,  0.09619141,  0.16894531, -0.00145721,
        -0.03759766,  0.06689453, -0.07958984, -0.11572266, -0.30859375,
         0.07421875,  0.11474609, -0.00282288,  0.28320312,  0.10302734,
        -0.125     , -0.27929688,  0.1953125 ,  0.23828125,  0.05419922,
         0.48632812, -0.08300781,  0.08007812,  0.01452637,  0.328125  ,
```

```
        -0.12988281, -0.21484375, -0.33203125, -0.01623535,  0.0402832 ,
        -0.3828125 ,  0.03344727, -0.19335938, -0.62890625, -0.35351562,
         0.17871094, -0.25585938, -0.17480469,  0.22363281,  0.05419922,
        -0.10400391,  0.06884766, -0.3203125 ,  0.00561523,  0.0534668 ,
        -0.22070312,  0.10839844,  0.17285156,  0.40234375,  0.07324219,
         0.21972656, -0.08398438, -0.17773438,  0.40429688,  0.28515625,
        -0.2578125 ,  0.03466797,  0.06030273, -0.09472656, -0.234375  ,
         0.19824219, -0.00540161, -0.29101562, -0.14941406,  0.06103516,
         0.01446533, -0.25195312, -0.39648438, -0.07421875,  0.06542969,
        -0.16992188, -0.18066406,  0.16015625,  0.21679688,  0.3125    ,
         0.54296875, -0.12304688, -0.01635742,  0.17285156, -0.35351562,
         0.171875  ,  0.38476562, -0.14746094,  0.33203125, -0.13085938,
        -0.03588867,  0.26171875,  0.08691406, -0.1328125 , -0.02587891],
       dtype=float32),
 'type': array([-0.04077148,  0.09326172, -0.01519775,  0.25390625, -0.2558
5938,
         0.01611328,  0.17480469, -0.30859375,  0.04663086, -0.03369141,
         0.109375  , -0.00491333, -0.0246582 , -0.26367188, -0.0480957 ,
         0.1328125 , -0.22167969,  0.16601562,  0.01989746, -0.15722656,
        -0.05786133,  0.0378418 , -0.28125   ,  0.06103516, -0.12158203,
         0.00352478, -0.16210938,  0.14160156,  0.01202393,  0.0859375 ,
        -0.09521484, -0.00415039,  0.15625   ,  0.04907227, -0.0625    ,
         0.06347656,  0.02697754, -0.06982422, -0.05737305,  0.00631714,
         0.15917969,  0.10400391,  0.0045166 ,  0.00952148, -0.08789062,
        -0.1171875 ,  0.02368164,  0.02770996, -0.08349609, -0.1953125 ,
        -0.07861328,  0.02685547, -0.12304688, -0.26757812,  0.23144531,
        -0.04003906, -0.00970459, -0.16796875,  0.08984375, -0.05957031,
         0.03515625, -0.02905273, -0.15039062,  0.07617188, -0.0324707 ,
        -0.06225586, -0.03222656,  0.04541016, -0.01391602,  0.11425781,
         0.18554688,  0.02038574,  0.13671875, -0.01263428, -0.17871094,
        -0.08837891,  0.06884766,  0.03222656,  0.00735474,  0.26953125,
        -0.06835938, -0.09082031,  0.16601562,  0.00753784, -0.00927734,
        -0.12451172, -0.17480469,  0.38085938,  0.14453125,  0.01904297,
         0.06030273,  0.02026367, -0.13183594, -0.03015137,  0.20214844,
        -0.14550781,  0.14160156,  0.11230469, -0.04638672,  0.05078125,
        -0.04467773, -0.04077148, -0.1640625 , -0.09619141, -0.13085938,
         0.08300781, -0.08984375, -0.00842285, -0.03881836, -0.18554688,
        -0.08935547,  0.02233887, -0.14550781, -0.00216675,  0.21386719,
         0.00224304,  0.00442505, -0.03295898,  0.09570312,  0.09716797,
        -0.0546875 , -0.11474609, -0.04785156,  0.08544922,  0.17773438,
        -0.01257324,  0.18066406,  0.01184082,  0.0267334 , -0.1640625 ,
        -0.05786133, -0.20019531, -0.1796875 ,  0.13867188,  0.00234985,
        -0.2578125 ,  0.01647949, -0.04931641,  0.0035553 ,  0.08984375,
         0.11865234,  0.06835938,  0.02941895,  0.14648438,  0.17089844,
        -0.12988281, -0.06787109, -0.12792969, -0.10302734, -0.16699219,
         0.2734375 ,  0.00909424, -0.29296875,  0.04663086, -0.23632812,
        -0.06835938, -0.05859375,  0.00424194,  0.1796875 ,  0.00063705,
         0.17382812,  0.03710938, -0.0279541 , -0.04199219, -0.07958984,
        -0.109375  , -0.05517578, -0.13769531, -0.09521484, -0.02026367,
        -0.09375   , -0.13964844, -0.04541016, -0.11474609,  0.07080078,
         0.07373047,  0.15332031, -0.10986328, -0.21777344,  0.05029297,
         0.00927734, -0.11376953,  0.00215149,  0.04541016, -0.00346375,
        -0.0378418 ,  0.03417969, -0.06933594, -0.00196838,  0.07958984,
         0.046875  ,  0.01281738, -0.04077148, -0.09960938,  0.05664062,
        -0.0456543 , -0.04101562, -0.04321289, -0.28125   , -0.14550781,
         0.09521484,  0.10986328, -0.23925781,  0.21582031,  0.01470947,
         0.13476562,  0.04785156, -0.12060547,  0.2421875 , -0.13476562,
         0.05859375, -0.0255127 , -0.12597656,  0.04272461, -0.13671875,
        -0.18652344,  0.15039062,  0.01867676, -0.20800781,  0.03515625,
        -0.00708008,  0.09960938, -0.13085938, -0.12792969,  0.05883789,
         0.10742188,  0.22167969, -0.06201172,  0.01977539, -0.04418945,
         0.01538086, -0.04345703,  0.13671875,  0.05737305, -0.01049805,
        -0.23730469, -0.0300293 , -0.03149414,  0.265625  ,  0.10351562,
         0.10400391,  0.04199219,  0.13769531,  0.03100586,  0.16503906,
```

```
        -0.13574219, -0.0112915 ,  0.07666016,  0.09033203, -0.20019531,
         0.1484375 ,  0.08251953,  0.13183594, -0.10253906,  0.07617188,
        -0.10009766, -0.09619141, -0.00823975, -0.14941406, -0.16894531,
        -0.05297852, -0.14550781, -0.14648438, -0.07763672,  0.07324219,
         0.00704956,  0.17773438, -0.04736328, -0.09814453, -0.04174805,
        -0.21875   ,  0.03100586,  0.11523438,  0.11425781, -0.17871094,
         0.02331543,  0.01062012, -0.15136719,  0.00164795, -0.13574219,
        -0.171875  ,  0.04907227, -0.00921631, -0.12988281,  0.00402832,
        -0.00119019,  0.0324707 , -0.24023438, -0.10400391, -0.14550781,
        -0.11621094,  0.03076172, -0.08398438, -0.00747681,  0.07714844,
        -0.12402344,  0.0027771 , -0.08496094, -0.06079102,  0.07470703],
       dtype=float32),
 'supplemental': array([ 0.01977539,  0.06445312, -0.05102539,  0.13964844,
-0.16894531,
        -0.10253906,  0.03320312, -0.18359375,  0.04101562, -0.16894531,
        -0.10839844, -0.05737305, -0.08203125,  0.38476562, -0.12695312,
        -0.08154297, -0.22265625, -0.34765625, -0.0612793 , -0.19726562,
         0.2265625 ,  0.15332031, -0.6015625 ,  0.29296875, -0.03735352,
         0.06152344, -0.02856445,  0.16699219, -0.22949219,  0.33398438,
        -0.14648438, -0.12109375,  0.00915527, -0.11621094, -0.00509644,
        -0.17382812, -0.13964844, -0.05981445, -0.07177734, -0.20507812,
         0.06201172,  0.20703125,  0.27148438, -0.04370117, -0.07910156,
        -0.15332031,  0.26757812, -0.18652344, -0.07324219,  0.13964844,
        -0.17871094, -0.47460938, -0.0378418 , -0.1484375 , -0.10498047,
         0.18359375, -0.12158203,  0.15625   ,  0.10839844,  0.0234375 ,
        -0.08642578, -0.15332031, -0.08398438, -0.00793457,  0.02319336,
         0.02832031, -0.06933594,  0.22753906,  0.01647949, -0.15917969,
         0.35742188, -0.13476562,  0.01867676,  0.14648438, -0.06884766,
        -0.0703125 ,  0.13183594, -0.19824219, -0.16503906,  0.04321289,
         0.15234375, -0.01245117, -0.26171875,  0.14550781,  0.19628906,
         0.09863281, -0.17773438,  0.44140625,  0.09765625, -0.20214844,
         0.15136719, -0.01080322,  0.25585938, -0.05566406, -0.01062012,
        -0.09863281,  0.05712891,  0.13085938,  0.05322266, -0.10693359,
         0.07861328, -0.02172852,  0.13085938,  0.15527344, -0.2265625 ,
        -0.07568359,  0.01123047, -0.18164062,  0.04052734, -0.05932617,
         0.19238281,  0.16992188,  0.07080078,  0.16601562,  0.04296875,
         0.07763672,  0.11572266, -0.16699219,  0.23828125,  0.2578125 ,
         0.12109375, -0.16699219, -0.02539062,  0.20507812,  0.18945312,
        -0.14355469, -0.05908203, -0.03686523,  0.21289062,  0.04150391,
        -0.16308594, -0.15917969, -0.29492188, -0.04418945, -0.15429688,
         0.14648438, -0.10498047, -0.19433594,  0.15820312,  0.31640625,
         0.046875  ,  0.1875    ,  0.24023438, -0.125     ,  0.02246094,
        -0.32617188, -0.26367188,  0.09814453, -0.20019531,  0.01745605,
         0.12451172,  0.10400391, -0.07421875, -0.0037384 , -0.1328125 ,
        -0.33203125,  0.06738281, -0.14550781, -0.30664062, -0.10009766,
         0.09472656, -0.14941406, -0.02294922,  0.12988281, -0.33007812,
        -0.2734375 , -0.22070312,  0.2890625 ,  0.35351562,  0.18164062,
        -0.07470703, -0.04638672,  0.19433594,  0.04370117,  0.21289062,
         0.24316406,  0.13085938, -0.00418091, -0.25195312, -0.04663086,
        -0.31054688,  0.01367188,  0.02648926,  0.29492188, -0.07226562,
         0.02929688, -0.234375  ,  0.14746094,  0.08349609,  0.14746094,
         0.15722656, -0.0390625 ,  0.05200195, -0.35351562,  0.11767578,
        -0.04370117,  0.25390625, -0.546875  , -0.05957031, -0.16796875,
        -0.06201172, -0.01916504,  0.10791016,  0.2734375 , -0.19335938,
         0.01977539,  0.02685547, -0.13867188, -0.04833984,  0.06201172,
        -0.01428223,  0.0456543 , -0.140625  ,  0.04956055, -0.00065994,
         0.10839844,  0.18457031,  0.26757812, -0.08447266, -0.14355469,
         0.15429688, -0.0065918 , -0.06298828, -0.13574219,  0.10839844,
        -0.10644531,  0.10498047,  0.08105469,  0.2734375 , -0.16894531,
         0.16015625,  0.07617188,  0.13671875, -0.03759766,  0.00234985,
         0.06347656, -0.04223633, -0.25      , -0.04467773, -0.04736328,
        -0.24707031,  0.01141357,  0.34765625, -0.06787109, -0.13085938,
         0.05151367,  0.06640625, -0.11914062, -0.25390625, -0.12011719,
         0.01074219, -0.19433594, -0.15625   , -0.19335938, -0.04248047,
```

```
        -0.15429688, -0.02490234, -0.07373047, -0.26171875,  0.24121094,
         0.09130859,  0.10693359, -0.296875  , -0.13085938, -0.328125  ,
         0.24902344,  0.19238281, -0.29296875, -0.05932617, -0.11572266,
         0.11425781,  0.23535156,  0.14550781, -0.06933594,  0.10839844,
         0.27148438, -0.17382812, -0.29296875, -0.18359375,  0.16308594,
        -0.09179688, -0.14746094, -0.09472656,  0.3046875 , -0.3515625 ,
        -0.0703125 , -0.01397705,  0.39453125,  0.33007812,  0.00662231,
         0.10546875, -0.01647949,  0.12207031,  0.11376953, -0.06176758,
        -0.03662109, -0.23535156,  0.00915527, -0.03881836,  0.02526855],
       dtype=float32),
 'great': array([ 7.17773438e-02,  2.08007812e-01, -2.84423828e-02,  1.7871
0938e-01,
         1.32812500e-01, -9.96093750e-02,  9.61914062e-02, -1.16699219e-01,
        -8.54492188e-03,  1.48437500e-01, -3.34472656e-02, -1.85546875e-01,
         4.10156250e-02, -8.98437500e-02,  2.17285156e-02,  6.93359375e-02,
         1.80664062e-01,  2.22656250e-01, -1.00585938e-01, -6.93359375e-02,
         1.04427338e-04,  1.60156250e-01,  4.07714844e-02,  7.37304688e-02,
         1.53320312e-01,  6.78710938e-02, -1.03027344e-01,  4.17480469e-02,
         4.27246094e-02, -1.10351562e-01, -6.68945312e-02,  4.19921875e-02,
         2.50000000e-01,  2.12890625e-01,  1.59179688e-01,  1.44653320e-02,
        -4.88281250e-02,  1.39770508e-02,  3.55529785e-03,  2.09960938e-01,
         1.52343750e-01, -7.32421875e-02,  2.16796875e-01, -5.76171875e-02,
        -2.84423828e-02, -3.60107422e-03,  1.52343750e-01, -2.63671875e-02,
         2.13623047e-02, -1.51367188e-01,  1.04003906e-01,  3.18359375e-01,
        -1.85546875e-01,  3.68652344e-02, -1.10839844e-01, -3.17382812e-02,
        -1.01562500e-01, -1.21093750e-01,  3.22265625e-01, -7.32421875e-02,
        -1.52343750e-01,  2.67578125e-01, -1.50390625e-01, -1.23046875e-01,
         1.07910156e-01,  6.68945312e-02, -2.13623047e-02, -1.00585938e-01,
        -2.05078125e-01,  1.17675781e-01,  6.15234375e-02,  6.78710938e-02,
         1.06933594e-01, -7.71484375e-02, -1.52343750e-01, -4.24194336e-03,
        -1.45507812e-01,  2.53906250e-01,  4.80957031e-02,  9.71679688e-02,
        -8.36181641e-03,  1.12792969e-01,  5.34667969e-02,  1.79443359e-02,
        -5.63964844e-02, -3.30078125e-01, -9.76562500e-02,  1.42578125e-01,
        -1.37695312e-01,  2.20947266e-02,  1.00097656e-01, -5.71289062e-02,
        -1.56250000e-01, -6.37817383e-03, -9.37500000e-02, -4.68750000e-02,
         8.59375000e-02,  3.06640625e-01, -1.11328125e-01, -1.94335938e-01,
        -2.08007812e-01,  8.10546875e-02, -4.19921875e-02, -8.30078125e-02,
        -1.04003906e-01,  2.92968750e-01,  2.39257812e-02, -3.85742188e-02,
         3.56445312e-02, -1.04980469e-01, -6.54296875e-02,  2.79296875e-01,
        -1.16210938e-01, -1.45874023e-02,  3.84765625e-01, -7.81250000e-02,
        -2.92968750e-02, -1.35742188e-01, -5.39550781e-02, -5.49316406e-02,
        -8.10546875e-02, -2.88085938e-02,  8.34960938e-02,  2.73437500e-01,
        -6.20117188e-02, -4.78515625e-02, -1.09252930e-02, -1.13769531e-01,
        -1.09863281e-01,  2.02148438e-01, -1.28906250e-01, -6.68945312e-02,
        -2.67578125e-01,  9.61914062e-02,  1.04003906e-01, -1.69921875e-01,
         5.56640625e-02,  1.54296875e-01,  8.05664062e-02,  2.19726562e-01,
        -2.27539062e-01,  1.10351562e-01, -8.11767578e-03, -5.63964844e-02,
        -9.03320312e-02, -7.76367188e-02, -3.61328125e-02,  3.61328125e-02,
         1.58203125e-01, -1.56250000e-01,  2.26562500e-01,  2.85156250e-01,
        -5.51757812e-02,  3.53515625e-01, -1.20605469e-01,  1.05957031e-01,
         3.11279297e-02, -1.91406250e-01, -2.31445312e-01, -1.11816406e-01,
         2.38037109e-03,  7.51953125e-02, -1.28784180e-02,  1.00585938e-01,
         4.45312500e-01, -2.77343750e-01,  6.68945312e-02, -8.10546875e-02,
         6.39648438e-02,  1.85546875e-02, -1.11328125e-01,  9.76562500e-02,
         2.06054688e-01, -1.30859375e-01,  2.39257812e-02,  1.10839844e-01,
         8.05664062e-02, -1.52343750e-01,  4.85229492e-03,  1.84326172e-02,
        -9.17968750e-02, -2.41210938e-01,  8.39843750e-02, -1.00585938e-01,
        -1.54296875e-01,  2.75878906e-02, -1.64062500e-01, -1.01562500e-01,
        -6.07299805e-03,  1.33514404e-03, -2.53906250e-01,  3.14453125e-01,
         1.31835938e-01, -1.31835938e-01,  2.17285156e-02, -1.56250000e-01,
        -1.46484375e-01, -5.12695312e-02, -1.20605469e-01, -2.15820312e-01,
         3.10058594e-02,  1.30859375e-01,  9.71679688e-02,  5.67626953e-03,
         2.20947266e-02,  1.26953125e-01, -1.24511719e-02,  6.15234375e-02,
        -2.23388672e-02,  2.50000000e-01, -7.17773438e-02,  1.58203125e-01,
```

```
        -7.27539062e-02,  1.97753906e-02,  8.85009766e-03, -9.08203125e-02,
         3.63281250e-01, -9.03320312e-02,  2.41699219e-02, -1.39770508e-02,
        -5.10253906e-02,  2.40478516e-02,  5.88989258e-03, -1.02050781e-01,
        -8.85009766e-03,  3.05175781e-02, -7.81250000e-02, -1.27929688e-01,
         3.85742188e-02,  2.86865234e-02, -2.28515625e-01, -1.25122070e-02,
         1.54296875e-01,  9.13085938e-02,  1.05468750e-01, -6.44531250e-02,
        -1.28906250e-01, -1.02050781e-01, -2.16064453e-02, -3.29589844e-02,
         7.47070312e-02,  3.78417969e-02,  7.42187500e-02, -1.23901367e-02,
        -4.68750000e-02,  4.88281250e-03,  1.03515625e-01, -8.69140625e-02,
        -2.26562500e-01, -2.53906250e-01,  3.58886719e-02,  4.45312500e-01,
         5.56640625e-02,  1.59179688e-01,  2.71484375e-01, -1.08398438e-01,
         6.25000000e-02, -5.59082031e-02, -2.50000000e-01, -1.55273438e-01,
        -6.83593750e-02, -1.39648438e-01, -1.59179688e-01, -1.79443359e-02,
         2.12402344e-02,  7.37304688e-02,  1.30859375e-01, -8.05664062e-02,
         2.99072266e-02,  1.55639648e-02, -1.66015625e-01,  1.50390625e-01,
        -6.77490234e-03,  1.01318359e-02,  1.14746094e-01, -1.48437500e-01,
        -4.58984375e-02, -1.39648438e-01, -1.73828125e-01, -4.27246094e-02,
        -5.81054688e-02,  5.22460938e-02, -1.11328125e-01,  8.44726562e-02,
        -2.55126953e-02,  1.40625000e-01, -1.81640625e-01,  1.72119141e-02,
        -1.37695312e-01, -1.47705078e-02, -1.14746094e-02,  6.44531250e-02,
        -2.89062500e-01, -4.80957031e-02, -1.99218750e-01, -7.12890625e-02,
         6.44531250e-02, -1.67968750e-01, -2.08740234e-02, -1.42578125e-0
1],
       dtype=float32),
 'infrastructure': array([ 0.06787109, -0.01855469,  0.08398438, -0.1611328
1, -0.11523438,
        -0.11181641,  0.04003906, -0.09912109,  0.12158203, -0.06347656,
        -0.06103516,  0.02624512, -0.02746582, -0.05151367, -0.11132812,
         0.04736328, -0.27539062, -0.01086426, -0.00695801,  0.05102539,
        -0.02856445,  0.02331543,  0.25195312,  0.27734375,  0.22460938,
        -0.08300781, -0.00174713, -0.07470703, -0.07470703, -0.28710938,
         0.09472656, -0.23730469, -0.19628906, -0.17285156,  0.01165771,
        -0.3515625 ,  0.03222656, -0.05761719,  0.12353516,  0.18554688,
        -0.1484375 ,  0.19921875,  0.3671875 ,  0.11816406,  0.15234375,
        -0.28125   , -0.06030273, -0.11035156, -0.45703125,  0.20898438,
         0.16308594,  0.06542969, -0.18066406, -0.22753906, -0.12597656,
         0.1171875 , -0.13671875,  0.15136719,  0.09375   , -0.09033203,
        -0.27539062, -0.03540039, -0.09472656, -0.10546875, -0.20117188,
         0.19921875, -0.23242188,  0.09619141, -0.0045166 , -0.00415039,
        -0.08154297, -0.15039062,  0.15039062,  0.04833984, -0.07324219,
        -0.17382812, -0.2578125 , -0.01226807, -0.16113281, -0.08642578,
        -0.08007812,  0.29882812, -0.29492188, -0.08837891,  0.01855469,
        -0.12158203, -0.19042969,  0.4140625 ,  0.07763672,  0.17285156,
         0.23925781, -0.125     , -0.06103516,  0.02575684, -0.05419922,
        -0.10449219, -0.06396484, -0.05249023,  0.09570312,  0.03027344,
        -0.08203125,  0.04833984,  0.1796875 ,  0.28320312, -0.19238281,
        -0.02258301, -0.05249023, -0.08203125,  0.07958984,  0.12304688,
         0.08496094, -0.09179688,  0.04931641,  0.01013184,  0.00248718,
         0.17382812, -0.03442383, -0.11328125,  0.10351562,  0.00070572,
        -0.125     , -0.0300293 , -0.18457031,  0.12988281, -0.13671875,
         0.02478027, -0.13476562,  0.22460938, -0.12890625, -0.02734375,
        -0.05322266,  0.31640625,  0.11425781, -0.07958984, -0.03369141,
        -0.09472656,  0.22363281, -0.15136719, -0.15136719,  0.109375  ,
        -0.02478027, -0.08105469,  0.33203125,  0.37304688, -0.05078125,
        -0.1953125 , -0.01782227, -0.01940918, -0.03063965,  0.08691406,
         0.02624512, -0.17871094,  0.16308594,  0.04125977, -0.05859375,
        -0.07373047, -0.00331116, -0.05053711, -0.16113281, -0.35351562,
         0.15234375, -0.09521484, -0.15917969,  0.16503906, -0.08251953,
         0.25195312, -0.10205078, -0.34765625,  0.15625   , -0.04101562,
        -0.00872803,  0.15234375,  0.01196289, -0.09179688,  0.22460938,
        -0.10449219,  0.19140625, -0.24023438, -0.14648438,  0.17578125,
        -0.20019531, -0.03442383, -0.1015625 ,  0.00695801,  0.03295898,
        -0.01879883, -0.04321289,  0.20117188,  0.12158203,  0.15722656,
        -0.28515625, -0.22851562, -0.30078125,  0.04199219, -0.20214844,
```

```
         0.06640625,  0.00509644,  0.12890625,  0.16210938, -0.13378906,
        -0.20996094,  0.2734375 ,  0.31445312, -0.01855469,  0.03369141,
         0.16503906, -0.10449219, -0.21875   ,  0.24316406, -0.07226562,
        -0.09960938, -0.10058594, -0.03039551,  0.07080078, -0.10742188,
         0.20800781, -0.07861328,  0.10644531,  0.02941895,  0.04785156,
         0.09472656, -0.28515625,  0.02038574,  0.02148438, -0.1484375 ,
        -0.12451172,  0.09082031,  0.02526855, -0.03039551, -0.06030273,
        -0.1953125 ,  0.05224609, -0.02526855, -0.12207031, -0.10302734,
        -0.02307129,  0.12695312, -0.06225586,  0.21679688, -0.21679688,
         0.078125  ,  0.17480469, -0.19921875,  0.02160645,  0.2265625 ,
        -0.30078125,  0.13867188,  0.00482178, -0.14746094, -0.07275391,
        -0.23632812,  0.25390625, -0.16308594,  0.29101562,  0.0010376 ,
        -0.19824219, -0.02429199,  0.10693359, -0.40625   , -0.15820312,
         0.01916504, -0.22167969,  0.17578125,  0.18261719,  0.1953125 ,
         0.29296875, -0.08544922, -0.19042969, -0.26171875,  0.09863281,
        -0.11083984, -0.15820312,  0.15332031, -0.25976562, -0.08496094,
        -0.02734375,  0.09814453, -0.03088379, -0.11230469, -0.10791016,
        -0.02490234, -0.00271606,  0.1796875 , -0.00866699, -0.13476562,
        -0.00726318, -0.01635742, -0.11669922,  0.3046875 , -0.03930664,
        -0.31445312, -0.09277344,  0.02868652,  0.00714111,  0.03735352,
         0.06445312, -0.01080322, -0.22460938, -0.10107422, -0.07714844],
       dtype=float32),
 'allows': array([-0.04443359, -0.00613403,  0.08642578,  0.02368164, -0.06
591797,
        -0.0625    ,  0.17382812,  0.00817871,  0.05078125, -0.16113281,
        -0.0703125 , -0.00921631,  0.13867188, -0.03955078,  0.15429688,
         0.1953125 , -0.05786133,  0.265625  , -0.22070312,  0.03320312,
         0.04394531, -0.04125977, -0.36132812,  0.4375    , -0.03344727,
        -0.12890625, -0.06982422,  0.45898438, -0.15136719,  0.10058594,
         0.12158203,  0.0612793 ,  0.20507812, -0.11523438,  0.10253906,
         0.04443359, -0.10205078, -0.203125  , -0.125     , -0.13183594,
         0.07177734, -0.01855469,  0.2890625 ,  0.22363281, -0.0480957 ,
        -0.27148438,  0.0456543 ,  0.04125977,  0.10302734, -0.359375  ,
        -0.32421875, -0.21777344,  0.01513672, -0.03369141, -0.04516602,
         0.19921875, -0.08203125, -0.02587891,  0.25585938,  0.03833008,
         0.14160156, -0.07910156, -0.22265625, -0.2734375 , -0.22363281,
         0.08203125, -0.07958984,  0.16503906, -0.11669922, -0.10888672,
         0.01721191,  0.15917969,  0.08496094, -0.02612305,  0.16601562,
        -0.36914062,  0.42773438,  0.26171875,  0.07910156,  0.03295898,
        -0.16601562,  0.13867188,  0.00123596,  0.23925781, -0.05029297,
        -0.03271484, -0.28515625, -0.05102539,  0.08105469,  0.12402344,
        -0.15039062, -0.09033203, -0.06494141, -0.21972656, -0.04882812,
         0.07519531, -0.19726562,  0.16796875,  0.15722656,  0.09521484,
         0.22558594, -0.25195312, -0.17480469, -0.01196289, -0.34179688,
         0.265625  , -0.01879883, -0.01525879, -0.13867188,  0.00282288,
        -0.3046875 , -0.06982422, -0.16503906, -0.15625   ,  0.33789062,
         0.3671875 , -0.25976562,  0.16992188,  0.125     , -0.04394531,
         0.0222168 ,  0.0189209 ,  0.14453125,  0.17871094,  0.26367188,
        -0.17089844, -0.13183594, -0.16601562,  0.18554688,  0.26171875,
         0.08691406,  0.08496094, -0.06225586,  0.11279297,  0.16601562,
        -0.234375  ,  0.19433594,  0.08349609,  0.16015625, -0.25390625,
         0.2265625 , -0.10351562, -0.09130859, -0.04052734,  0.14648438,
         0.0145874 , -0.14648438, -0.26757812,  0.10986328, -0.18945312,
         0.40429688,  0.10351562,  0.03442383, -0.08251953,  0.16894531,
         0.0859375 ,  0.17285156,  0.31640625, -0.41601562, -0.18652344,
         0.25195312, -0.06152344, -0.02954102,  0.02502441,  0.05859375,
        -0.04785156, -0.04272461, -0.13476562, -0.01116943, -0.11767578,
        -0.14550781,  0.05078125,  0.02807617,  0.10742188,  0.07910156,
        -0.02478027, -0.13476562, -0.23730469, -0.26757812,  0.16308594,
        -0.36328125, -0.0145874 ,  0.20996094, -0.2265625 , -0.08154297,
        -0.05981445, -0.18164062,  0.03564453,  0.29296875, -0.16308594,
        -0.03979492,  0.08251953,  0.04321289, -0.05712891,  0.03613281,
         0.19433594, -0.18847656, -0.09667969, -0.07226562, -0.25585938,
         0.30273438,  0.09619141, -0.01916504, -0.08349609, -0.14355469,
```

```
         0.02868652,  0.01586914,  0.13574219,  0.05102539, -0.10107422,
        -0.03540039,  0.26757812,  0.15722656,  0.265625  , -0.00267029,
        -0.0703125 ,  0.16699219,  0.33984375, -0.25390625,  0.05639648,
        -0.07519531, -0.02209473, -0.10791016, -0.15332031, -0.25195312,
         0.06933594, -0.02575684, -0.05371094, -0.06884766,  0.04638672,
         0.0032196 , -0.04541016,  0.19824219,  0.3046875 ,  0.20996094,
         0.00209045, -0.00970459,  0.05004883,  0.06640625,  0.3359375 ,
        -0.12402344,  0.13867188,  0.35742188, -0.22753906, -0.02758789,
        -0.02209473, -0.07666016,  0.49609375,  0.40039062, -0.3046875 ,
         0.02941895, -0.09521484,  0.05175781, -0.06591797, -0.03344727,
         0.20019531,  0.03320312, -0.08691406, -0.15234375,  0.08740234,
        -0.12695312,  0.10107422, -0.046875  , -0.03088379, -0.046875  ,
         0.07617188, -0.06152344, -0.14453125, -0.08789062, -0.07080078,
         0.28125   ,  0.17480469, -0.20800781,  0.09082031,  0.08007812,
        -0.10498047, -0.04272461,  0.18945312, -0.171875  ,  0.02526855,
        -0.22265625,  0.05810547,  0.07617188,  0.390625  , -0.01037598,
         0.01635742,  0.00135803, -0.00610352,  0.09521484, -0.10107422,
        -0.33398438,  0.1484375 , -0.01623535,  0.07373047, -0.11816406,
         0.37695312,  0.07617188, -0.09472656, -0.19042969,  0.32421875],
       dtype=float32),
 'u': array([-0.25390625,  0.04663086,  0.1640625 , -0.01831055, -0.2832031
2,
        -0.12695312, -0.21386719, -0.28125   , -0.05908203,  0.10107422,
        -0.00793457, -0.24609375, -0.34375   ,  0.13964844, -0.23632812,
         0.10839844,  0.05200195, -0.03393555, -0.00656128, -0.18164062,
        -0.02734375,  0.13867188,  0.37695312, -0.12353516, -0.12988281,
         0.12988281, -0.26367188, -0.296875  ,  0.02099609, -0.09472656,
        -0.11767578,  0.10009766, -0.08105469, -0.20605469, -0.19824219,
         0.10009766, -0.16503906,  0.18652344, -0.02380371,  0.23144531,
        -0.01000977, -0.11572266,  0.39257812,  0.13574219,  0.17480469,
        -0.22363281,  0.24414062, -0.1328125 , -0.11279297, -0.13085938,
        -0.07373047,  0.2109375 ,  0.16113281,  0.28710938, -0.01794434,
        -0.0279541 , -0.20019531,  0.00162506,  0.01257324, -0.06787109,
         0.00205994,  0.02124023, -0.265625  ,  0.00759888, -0.06933594,
        -0.3125    , -0.08496094,  0.15625   , -0.01855469, -0.03515625,
         0.03466797,  0.10888672,  0.05688477,  0.00059509, -0.00318909,
         0.0612793 ,  0.06933594,  0.15039062,  0.12158203, -0.10400391,
        -0.23828125,  0.05517578, -0.03393555, -0.16015625,  0.06884766,
         0.10644531, -0.07373047,  0.20800781, -0.00799561,  0.04248047,
         0.02709961, -0.07421875,  0.01177979, -0.0402832 , -0.04345703,
         0.11865234, -0.02026367, -0.02819824,  0.44726562, -0.12890625,
        -0.25390625,  0.02832031,  0.07080078,  0.06933594, -0.09960938,
         0.12255859, -0.04492188, -0.23925781,  0.12597656,  0.0144043 ,
        -0.27929688, -0.30664062, -0.13671875,  0.02990723,  0.21386719,
        -0.09960938,  0.01000977, -0.21191406, -0.10009766, -0.22363281,
         0.16992188,  0.07128906, -0.125     , -0.03393555,  0.09423828,
        -0.08105469, -0.17578125,  0.11523438,  0.13964844, -0.04589844,
        -0.44140625, -0.046875  ,  0.0222168 , -0.11962891,  0.04394531,
         0.01794434, -0.21679688, -0.09716797,  0.10791016,  0.14453125,
         0.24414062, -0.15136719,  0.02709961, -0.20019531, -0.13867188,
        -0.06542969, -0.04370117,  0.05688477,  0.06103516, -0.14453125,
         0.11425781, -0.25      , -0.09814453, -0.21191406, -0.10449219,
        -0.01928711,  0.16992188,  0.33007812,  0.02697754, -0.06933594,
        -0.01745605,  0.15722656,  0.11914062,  0.01086426, -0.01245117,
        -0.31054688,  0.19140625, -0.09326172, -0.17578125, -0.0090332 ,
        -0.05395508,  0.08789062, -0.05981445, -0.00476074, -0.16113281,
         0.17382812,  0.17675781, -0.16601562,  0.19921875, -0.13867188,
         0.08642578,  0.08886719,  0.01879883,  0.0625    , -0.05004883,
         0.19921875, -0.10009766,  0.12792969,  0.1796875 , -0.06445312,
         0.26171875,  0.05029297, -0.140625  , -0.02099609,  0.27148438,
        -0.05273438, -0.01989746,  0.09179688,  0.15917969, -0.09667969,
        -0.08740234, -0.1484375 , -0.1796875 , -0.16894531, -0.0246582 ,
        -0.04418945, -0.04370117, -0.04980469, -0.05371094,  0.14941406,
         0.25585938, -0.01745605, -0.1953125 ,  0.13378906, -0.265625  ,
```

```
        -0.1015625 ,  0.15917969,  0.03710938, -0.296875  ,  0.18554688,
        -0.25390625,  0.08056641, -0.01208496,  0.11083984, -0.04858398,
        -0.12109375,  0.03173828, -0.06542969, -0.25976562, -0.24023438,
         0.23828125, -0.0222168 , -0.13183594, -0.05102539,  0.09082031,
        -0.05834961,  0.05273438, -0.09765625,  0.20507812,  0.12890625,
         0.13183594,  0.20117188,  0.14160156, -0.00799561, -0.25976562,
         0.16210938, -0.17089844,  0.31054688, -0.05444336, -0.21484375,
         0.39648438,  0.07958984,  0.01611328,  0.35742188,  0.19042969,
        -0.10400391, -0.05761719,  0.07519531, -0.04663086,  0.02661133,
        -0.03735352, -0.01452637,  0.03369141,  0.09521484,  0.07275391,
        -0.00823975, -0.08105469,  0.11328125, -0.03222656,  0.03564453,
        -0.00750732, -0.02502441,  0.13378906,  0.15625   ,  0.03393555,
        -0.11425781, -0.02807617, -0.11914062, -0.23632812,  0.25390625,
        -0.01342773,  0.07226562,  0.07617188,  0.12890625, -0.1484375 ,
         0.11962891,  0.10009766,  0.13574219, -0.15234375,  0.05175781,
         0.11425781,  0.19140625, -0.20703125, -0.15820312, -0.17089844,
        -0.19042969, -0.25585938, -0.17089844, -0.0534668 ,  0.18847656],
       dtype=float32),
 'scale': array([ 7.42187500e-02,  1.89453125e-01, -2.99072266e-02,  1.8844
6045e-03,
         7.61718750e-02,  6.05468750e-02,  3.30078125e-01, -1.21093750e-01,
         2.24609375e-01,  9.96093750e-02,  1.56250000e-01, -1.24023438e-01,
         1.17187500e-01,  9.08203125e-02, -1.55273438e-01,  1.38671875e-01,
        -1.83593750e-01,  5.46264648e-03,  1.43554688e-01, -8.78906250e-02,
        -2.51953125e-01, -2.12890625e-01, -1.73339844e-02, -1.42822266e-02,
        -4.95605469e-02, -2.63671875e-01, -2.13867188e-01, -8.59375000e-02,
         1.16210938e-01, -4.00390625e-02, -2.81250000e-01,  4.49218750e-02,
        -7.61718750e-02, -1.24511719e-01, -2.91015625e-01, -2.13867188e-01,
         1.37695312e-01,  2.07031250e-01,  1.25000000e-01,  3.72314453e-03,
         2.94189453e-02,  3.08593750e-01,  7.12890625e-02,  2.64892578e-02,
         7.32421875e-02, -5.44433594e-02, -2.10937500e-01, -1.06201172e-02,
        -5.20019531e-02, -8.88671875e-02,  2.30712891e-02, -1.52343750e-01,
        -1.01562500e-01, -1.24023438e-01,  1.18164062e-01, -1.93359375e-01,
         2.07031250e-01, -3.08593750e-01, -9.08203125e-02,  1.33514404e-04,
         4.46777344e-02, -2.16064453e-02, -1.71875000e-01, -1.08398438e-01,
        -1.96533203e-02, -2.05078125e-01,  5.46875000e-02,  2.61718750e-01,
        -4.07714844e-02,  1.09375000e-01, -1.99218750e-01, -3.26171875e-01,
         2.46582031e-02,  2.04101562e-01,  7.37304688e-02, -1.63085938e-01,
         1.19140625e-01,  5.81054688e-02,  5.24902344e-02,  6.59179688e-02,
        -6.93359375e-02,  1.51367188e-01, -4.34570312e-02, -1.70898438e-01,
         1.49414062e-01, -1.05957031e-01, -1.54296875e-01,  8.93554688e-02,
         1.19140625e-01, -1.15722656e-01,  1.23046875e-01, -2.43164062e-01,
        -1.16699219e-01,  4.58984375e-02,  2.24609375e-02, -1.40625000e-01,
        -1.35742188e-01, -3.04687500e-01,  8.15429688e-02, -7.37304688e-02,
        -4.15039062e-02, -6.40869141e-03,  4.17480469e-02, -3.73535156e-02,
         3.22265625e-02,  4.71191406e-02, -1.13769531e-01, -1.56250000e-02,
        -6.22558594e-02, -1.89453125e-01,  7.86132812e-02, -3.41796875e-02,
        -1.24023438e-01, -1.96289062e-01, -6.15234375e-02,  1.88476562e-01,
        -1.15356445e-02, -1.39648438e-01,  2.87109375e-01,  7.95898438e-02,
         2.63671875e-02, -1.61132812e-01, -1.47460938e-01,  1.42578125e-01,
        -3.07617188e-02,  3.12500000e-01,  1.47460938e-01, -1.30859375e-01,
        -7.44628906e-03, -1.58203125e-01,  1.55273438e-01,  1.74804688e-01,
         9.32617188e-02,  3.63769531e-02,  3.93066406e-02,  7.08007812e-02,
        -1.37939453e-02,  3.49121094e-02, -8.15429688e-02, -1.50390625e-01,
        -2.65625000e-01, -3.88671875e-01,  3.66210938e-02,  2.69531250e-01,
         1.78710938e-01, -7.17773438e-02, -4.12597656e-02, -1.45507812e-01,
        -4.73632812e-02, -5.05371094e-02,  1.37695312e-01, -5.06591797e-03,
        -1.13281250e-01,  1.27929688e-01,  1.55029297e-02, -3.06640625e-01,
         1.31835938e-01, -1.29882812e-01, -1.86767578e-02,  6.00585938e-02,
         6.73828125e-02, -2.02636719e-02,  7.91015625e-02, -2.40234375e-01,
         1.88476562e-01,  8.64257812e-02,  9.91210938e-02, -1.90429688e-01,
        -1.08398438e-01,  6.49414062e-02, -1.43554688e-01, -2.65625000e-01,
        -1.91406250e-01,  2.80761719e-02,  5.98144531e-02, -6.83593750e-02,
         9.64355469e-03, -7.66601562e-02, -3.05175781e-02,  1.39648438e-01,
```

```
        -1.92382812e-01,  1.88476562e-01,  4.88281250e-03, -1.49414062e-01,
         9.27734375e-02, -1.26953125e-01,  1.23291016e-02,  1.30859375e-01,
         2.77709961e-03,  3.17382812e-02,  5.83496094e-02, -1.67968750e-01,
        -2.73437500e-02, -7.32421875e-02, -1.96289062e-01, -8.25195312e-02,
         1.09375000e-01,  2.66113281e-02,  2.30468750e-01, -2.43164062e-01,
        -4.63867188e-02,  2.12890625e-01,  1.21093750e-01,  1.25976562e-01,
        -5.61523438e-02,  2.48046875e-01, -1.42578125e-01, -9.66796875e-02,
        -2.18750000e-01,  1.84570312e-01,  9.52148438e-02,  1.00097656e-01,
        -1.25976562e-01,  6.59179688e-02, -2.16796875e-01, -2.89062500e-01,
         3.68652344e-02, -9.17968750e-02, -6.93359375e-02,  1.17675781e-01,
         2.79296875e-01,  3.37890625e-01, -1.36718750e-01, -1.66992188e-01,
        -2.95410156e-02, -1.35742188e-01,  5.41992188e-02, -7.37304688e-02,
         1.90429688e-01, -9.76562500e-02, -8.42285156e-03, -1.19018555e-02,
         2.89062500e-01,  5.81054688e-02, -1.85546875e-01, -3.22265625e-01,
        -1.45507812e-01,  3.14453125e-01,  2.75390625e-01, -3.93066406e-02,
        -8.20312500e-02,  1.72851562e-01, -2.18750000e-01,  9.86328125e-02,
         1.24023438e-01, -1.30859375e-01, -9.47265625e-02,  4.66308594e-02,
         2.01416016e-02, -2.51953125e-01, -1.93359375e-01,  4.10156250e-02,
         1.72851562e-01, -2.69531250e-01,  8.54492188e-02,  8.74023438e-02,
         4.66308594e-02,  1.21582031e-01, -9.57031250e-02, -4.10156250e-02,
         1.16699219e-01, -1.78710938e-01, -3.10546875e-01,  1.74804688e-01,
         5.12695312e-02,  5.78613281e-02, -9.42382812e-02, -7.47070312e-02,
        -1.25000000e-01,  1.00097656e-01, -3.00781250e-01, -2.92968750e-02,
         1.14746094e-01,  2.37304688e-01,  5.56640625e-02,  1.83593750e-01,
        -9.71679688e-02,  8.44726562e-02, -1.37695312e-01, -1.04492188e-01,
        -1.96289062e-01,  4.10156250e-02,  2.03125000e-01, -4.27246094e-02,
        -1.66992188e-01,  7.27539062e-02, -1.92382812e-01, -8.39843750e-02,
         2.40478516e-02,  1.12304688e-01, -4.00390625e-01,  5.22460938e-02,
        -2.08007812e-01,  1.63085938e-01, -1.00097656e-01, -2.08007812e-01,
        -1.59179688e-01,  3.63769531e-02, -1.35498047e-02, -9.13085938e-0
2],
       dtype=float32),
 'height': array([ 0.10986328,  0.24804688, -0.05493164, -0.05493164,  0.14
355469,
        -0.265625  ,  0.40234375, -0.02246094,  0.20605469,  0.03271484,
         0.15820312, -0.26953125,  0.09521484,  0.00515747,  0.06396484,
        -0.17675781, -0.13183594,  0.06103516, -0.01428223, -0.39648438,
        -0.37109375, -0.2890625 , -0.2421875 ,  0.1875    , -0.23339844,
        -0.17382812, -0.15527344,  0.23339844,  0.14648438, -0.12792969,
        -0.09228516,  0.14746094,  0.1015625 ,  0.06689453,  0.09423828,
        -0.23828125,  0.06494141,  0.05249023, -0.16308594,  0.06152344,
         0.18359375, -0.17480469,  0.11035156, -0.31835938, -0.07226562,
         0.0189209 , -0.33984375, -0.12695312,  0.32421875, -0.01257324,
        -0.05297852, -0.31835938, -0.09863281, -0.12597656,  0.43164062,
         0.01623535, -0.1640625 , -0.11474609, -0.20214844,  0.05493164,
         0.04907227, -0.18359375, -0.05859375, -0.29101562,  0.30664062,
        -0.15917969,  0.02270508,  0.21777344,  0.02233887,  0.26757812,
        -0.12158203, -0.04003906,  0.23046875,  0.00524902, -0.24121094,
         0.17089844, -0.02575684, -0.012146  , -0.16015625,  0.42382812,
         0.08447266,  0.15625   , -0.09912109,  0.04052734, -0.09667969,
         0.20410156,  0.04882812,  0.0378418 ,  0.07226562,  0.05761719,
         0.00662231, -0.19433594, -0.23339844, -0.06079102,  0.40039062,
        -0.15722656,  0.06494141, -0.30078125,  0.00952148,  0.01324463,
         0.04174805,  0.01843262, -0.03295898, -0.01245117,  0.12011719,
         0.19140625, -0.46289062, -0.03320312, -0.32617188, -0.28515625,
        -0.07910156, -0.06445312,  0.02441406, -0.13671875, -0.22753906,
         0.09960938,  0.02832031,  0.02783203, -0.07714844, -0.08349609,
        -0.25585938,  0.06347656,  0.11230469, -0.08691406,  0.01263428,
         0.24707031,  0.05737305, -0.29492188,  0.15722656,  0.140625  ,
        -0.05712891,  0.09179688, -0.3203125 , -0.2109375 , -0.08496094,
        -0.07910156, -0.00720215, -0.04956055,  0.11474609, -0.06982422,
        -0.01916504,  0.00634766,  0.08496094, -0.0480957 ,  0.35546875,
        -0.07910156, -0.21484375,  0.06738281, -0.12792969,  0.22949219,
         0.20507812, -0.15429688, -0.26953125,  0.1171875 , -0.0534668 ,
```

```
         0.11083984, -0.13183594, -0.25      ,  0.16796875, -0.33203125,
         0.07128906, -0.20507812,  0.30273438, -0.3671875 , -0.13769531,
        -0.08691406, -0.0612793 , -0.06689453, -0.10107422,  0.33984375,
        -0.296875  , -0.05834961, -0.03686523, -0.13769531, -0.09765625,
        -0.2265625 ,  0.11083984, -0.06298828, -0.01818848,  0.06640625,
         0.05419922,  0.18261719, -0.29101562, -0.10009766,  0.234375  ,
        -0.58203125,  0.11767578, -0.2734375 , -0.20117188,  0.03393555,
         0.12207031,  0.02404785,  0.07470703,  0.04370117,  0.1484375 ,
         0.12597656,  0.10986328,  0.05151367, -0.05981445, -0.24609375,
         0.05395508,  0.19628906,  0.05834961,  0.16113281,  0.26171875,
         0.01013184,  0.13378906, -0.18359375,  0.01397705,  0.14746094,
        -0.24511719,  0.21777344, -0.04077148, -0.0246582 , -0.16308594,
        -0.13476562, -0.05932617,  0.0378418 , -0.10693359,  0.38476562,
         0.15429688,  0.25      ,  0.01379395, -0.41796875, -0.12890625,
         0.19433594, -0.16992188, -0.02246094, -0.0145874 ,  0.20410156,
        -0.15917969,  0.02062988, -0.21679688,  0.05688477, -0.16503906,
        -0.05834961, -0.0480957 , -0.19824219,  0.06494141, -0.01855469,
        -0.03979492,  0.31640625,  0.16015625, -0.203125  , -0.09082031,
        -0.00842285, -0.19628906, -0.02294922,  0.08007812,  0.00262451,
         0.30664062, -0.00527954,  0.01269531,  0.24023438,  0.3515625 ,
        -0.10644531,  0.22070312,  0.22851562, -0.1328125 ,  0.33984375,
         0.25390625, -0.07324219, -0.12988281, -0.109375  ,  0.12695312,
         0.11083984, -0.02416992, -0.11376953, -0.08935547, -0.12353516,
        -0.07080078,  0.23339844,  0.06835938, -0.20800781, -0.26367188,
         0.04614258, -0.18652344, -0.02905273,  0.0612793 , -0.22949219,
         0.0559082 ,  0.14648438,  0.04370117, -0.00396729, -0.04614258,
         0.10302734, -0.27929688,  0.1796875 , -0.16113281, -0.15625   ,
        -0.28710938,  0.12402344, -0.3203125 , -0.26171875, -0.11962891,
        -0.23144531, -0.33203125, -0.10888672, -0.07861328, -0.06640625],
       dtype=float32),
 'need': array([ 7.26318359e-03,  1.00585938e-01, -6.00585938e-02,  3.83300
781e-02,
        -3.39843750e-01,  9.57031250e-02,  1.81640625e-01, -8.59375000e-02,
        -7.42187500e-02, -1.36566162e-03, -6.88476562e-02,  1.89208984e-02,
        -8.23974609e-03,  1.33789062e-01, -1.15234375e-01,  7.27539062e-02,
        -5.15136719e-02,  2.33398438e-01, -3.39355469e-02, -2.64892578e-02,
        -1.68945312e-01, -1.78710938e-01,  1.47460938e-01,  2.61230469e-02,
        -9.15527344e-03,  5.46875000e-02,  2.22778320e-03,  1.11816406e-01,
        -5.17578125e-02, -6.00585938e-02, -1.15966797e-02,  1.47460938e-01,
        -7.08007812e-02, -2.98828125e-01,  1.05957031e-01, -4.22363281e-02,
         1.83593750e-01,  1.28906250e-01,  1.11816406e-01, -5.07812500e-02,
         6.64062500e-02, -7.51953125e-02,  7.61718750e-02,  6.12792969e-02,
        -1.73339844e-02, -2.04101562e-01,  2.60009766e-02, -9.08203125e-02,
        -2.03125000e-01,  6.80541992e-03, -2.04101562e-01,  4.39453125e-02,
        -1.66015625e-01,  5.71289062e-02,  6.39648438e-02, -5.98144531e-02,
         4.10156250e-02,  6.64062500e-02,  7.61718750e-02, -7.95898438e-02,
        -1.28906250e-01,  5.05371094e-02, -2.34375000e-01, -1.16699219e-01,
         2.17773438e-01, -9.96093750e-02, -1.82617188e-01,  1.88476562e-01,
        -1.63085938e-01, -1.96289062e-01,  9.66796875e-02,  7.51953125e-02,
         8.74023438e-02, -1.57226562e-01, -2.03125000e-01, -1.10351562e-01,
         2.26562500e-01,  3.20312500e-01, -3.19824219e-02,  1.41601562e-01,
         7.51495361e-04,  8.74023438e-02,  4.32128906e-02, -6.15234375e-02,
        -7.61718750e-02, -2.24609375e-02, -1.11328125e-01,  1.23046875e-01,
         1.35742188e-01,  1.18164062e-01,  9.86328125e-02,  1.47460938e-01,
        -4.76074219e-02, -2.40234375e-01, -5.24902344e-02, -3.26171875e-01,
         1.27929688e-01,  8.49609375e-02, -1.70898438e-01,  1.60156250e-01,
        -1.60156250e-01,  2.38037109e-02, -1.10351562e-01,  1.50390625e-01,
        -1.73828125e-01, -9.17968750e-02, -2.18750000e-01, -6.88476562e-02,
         6.22558594e-02,  2.37304688e-01, -2.71484375e-01, -3.57055664e-03,
        -2.44140625e-01,  1.47460938e-01,  1.02539062e-01,  1.15234375e-01,
         9.86328125e-02, -5.52368164e-03,  9.03320312e-02,  8.44726562e-02,
         1.19781494e-03, -5.39550781e-02, -6.93359375e-02,  2.11914062e-01,
        -1.44531250e-01, -1.49414062e-01, -1.90429688e-01, -9.76562500e-02,
        -6.34765625e-02,  2.99072266e-02,  5.95092773e-03,  7.81250000e-03,
```

```
        -1.32812500e-01, -4.85839844e-02,  5.32226562e-02, -9.81445312e-02,
         1.30859375e-01,  6.39648438e-02, -1.58691406e-02,  2.28515625e-01,
         4.51660156e-02, -1.86523438e-01,  8.93554688e-02,  3.22265625e-02,
         1.46484375e-01, -6.34765625e-02, -2.50244141e-02, -1.51367188e-01,
        -8.17871094e-03, -2.24609375e-01, -1.10351562e-01,  2.47070312e-01,
        -2.62451172e-02, -1.64062500e-01,  3.56445312e-02,  7.08007812e-02,
        -1.69921875e-01, -6.78710938e-02, -1.59179688e-01, -1.25000000e-01,
         1.58203125e-01, -5.40161133e-03, -2.52685547e-02, -4.66308594e-02,
         3.36914062e-02, -2.46093750e-01, -1.20605469e-01, -7.56835938e-02,
         1.51367188e-01, -2.08007812e-01, -1.67968750e-01, -6.25000000e-02,
        -3.37890625e-01,  7.66601562e-02,  5.39550781e-02, -7.53784180e-03,
         1.26953125e-01, -1.54418945e-02, -1.17675781e-01,  2.67578125e-01,
        -2.50000000e-01, -8.54492188e-02,  8.49609375e-02, -2.77099609e-02,
        -1.25000000e-01, -2.55859375e-01, -7.91015625e-02, -2.19726562e-01,
         1.64062500e-01,  1.01074219e-01, -3.32031250e-02, -2.82287598e-03,
         5.85937500e-02, -1.51977539e-02, -3.12500000e-02, -1.27929688e-01,
         7.12890625e-02, -1.58203125e-01, -3.85742188e-02, -2.49023438e-01,
        -1.94091797e-02,  2.73437500e-01, -4.27246094e-02, -7.42187500e-02,
        -9.58251953e-03, -2.28271484e-02,  6.98242188e-02, -1.16577148e-02,
         2.14843750e-01, -1.06445312e-01, -1.00097656e-01,  5.90820312e-02,
        -5.95703125e-02,  2.83203125e-02, -1.08398438e-01,  1.21459961e-02,
        -1.63574219e-02,  1.44531250e-01, -1.44531250e-01,  9.42382812e-02,
        -1.59179688e-01, -7.37304688e-02, -9.91210938e-02, -9.32617188e-02,
        -3.51562500e-02,  4.61425781e-02,  8.88671875e-02, -2.63671875e-02,
         1.74560547e-02,  1.17187500e-01,  9.21630859e-03, -7.95898438e-02,
         6.73828125e-02, -1.07288361e-04,  3.95507812e-02,  1.20605469e-01,
        -6.59179688e-02, -1.14746094e-01,  1.07910156e-01,  2.02636719e-02,
         1.04980469e-02,  1.60156250e-01,  3.73535156e-02, -1.36718750e-01,
         3.61328125e-02,  1.50390625e-01, -5.59082031e-02,  2.55859375e-01,
         5.21850586e-03, -1.07910156e-01, -2.52685547e-02,  1.55273438e-01,
         9.13085938e-02,  1.84570312e-01,  7.22656250e-02, -6.98242188e-02,
         1.86523438e-01, -1.02050781e-01, -6.00585938e-02,  1.25976562e-01,
        -1.67968750e-01,  8.69140625e-02, -5.39550781e-02,  1.29882812e-01,
        -5.51757812e-02,  1.43554688e-01,  1.42578125e-01,  2.55126953e-02,
        -1.73828125e-01, -5.46875000e-02,  2.33398438e-01,  2.35351562e-01,
         1.83593750e-01,  2.73437500e-01, -3.78417969e-02,  2.44140625e-02,
         1.78710938e-01, -1.97265625e-01, -1.45507812e-01,  9.76562500e-02,
        -1.95312500e-01, -1.67968750e-01,  1.11328125e-01,  1.46484375e-01,
        -1.49414062e-01, -2.20947266e-02,  1.84326172e-02,  2.99072266e-03,
         9.76562500e-02,  4.34570312e-02, -9.32617188e-02, -7.56835938e-02,
         6.64062500e-02,  2.90527344e-02,  1.10473633e-02,  1.39648438e-01,
        -4.37011719e-02, -6.68945312e-02,  4.00390625e-02, -6.10351562e-0
2],
       dtype=float32),
 'looking': array([ 2.78320312e-02,  2.55859375e-01,  1.58203125e-01, -4.80
957031e-02,
        -5.39550781e-02,  4.21142578e-03,  1.48437500e-01, -5.83496094e-02,
        -4.07714844e-02,  8.98437500e-02,  3.12500000e-02,  1.08398438e-01,
        -2.89062500e-01, -1.26953125e-01, -2.14843750e-02, -7.91015625e-02,
        -4.98046875e-02,  2.61718750e-01,  7.81250000e-02, -1.39648438e-01,
        -9.27734375e-02, -1.22558594e-01, -1.00585938e-01, -1.81640625e-01,
         2.81982422e-02, -1.72851562e-01,  1.55029297e-02,  2.30468750e-01,
         1.03515625e-01,  1.55273438e-01, -3.97949219e-02,  7.71484375e-02,
         5.61523438e-02,  8.05664062e-03, -6.78710938e-02, -8.10546875e-02,
         6.93359375e-02, -1.49414062e-01,  1.14746094e-01, -5.09643555e-03,
         4.66308594e-02, -7.08007812e-02, -8.74023438e-02, -2.78320312e-02,
         1.79443359e-02, -1.58203125e-01, -6.12792969e-02,  1.23535156e-01,
        -1.57470703e-02,  8.44726562e-02,  1.64794922e-02,  3.80859375e-02,
        -1.29394531e-02,  3.17382812e-02,  1.22558594e-01,  9.03320312e-02,
         2.51953125e-01, -1.39648438e-01,  2.21679688e-01,  6.44531250e-02,
        -1.74804688e-01,  1.25000000e-01, -2.85156250e-01,  2.30407715e-03,
         4.15039062e-02,  9.66796875e-02,  3.36914062e-02,  2.08007812e-01,
        -3.07617188e-02, -2.06054688e-01, -6.10351562e-02,  6.93359375e-02,
         1.80664062e-02, -4.44335938e-02, -2.53906250e-01, -3.97949219e-02,
```

```
        -3.22265625e-02,  4.17480469e-02,  4.39453125e-02,  1.99218750e-01,
         1.94335938e-01, -6.64062500e-02, -4.11987305e-03,  9.71679688e-02,
         7.47070312e-02, -2.64892578e-02, -9.03320312e-02,  2.05078125e-02,
         1.24023438e-01,  6.54296875e-02,  9.52148438e-02,  7.56835938e-02,
        -7.22656250e-02, -1.43554688e-01, -1.42211914e-02, -4.76074219e-02,
         2.55859375e-01,  7.03125000e-02, -1.31835938e-01,  7.32421875e-02,
        -2.39257812e-01, -2.02148438e-01,  9.66796875e-02,  1.71875000e-01,
         2.03125000e-01,  7.66601562e-02,  2.07031250e-01,  2.19726562e-02,
        -8.11767578e-03, -9.03320312e-03,  4.56542969e-02,  9.03320312e-02,
         2.25830078e-02,  5.71289062e-02, -8.05664062e-03, -4.68750000e-02,
         1.50390625e-01, -1.06933594e-01,  1.77734375e-01,  7.08007812e-02,
        -5.81054688e-02, -8.83789062e-02, -9.37500000e-02,  1.44958496e-04,
        -9.22851562e-02,  5.46875000e-02, -8.98437500e-02, -1.50390625e-01,
        -2.36328125e-01,  9.15527344e-03,  4.00390625e-02, -2.32421875e-01,
        -1.98242188e-01,  2.22656250e-01,  5.24902344e-02, -1.54296875e-01,
         9.42382812e-02,  2.71484375e-01,  1.02050781e-01,  1.96289062e-01,
         3.66210938e-02, -5.85937500e-02, -1.11694336e-02,  7.95898438e-02,
         1.00097656e-01,  2.04101562e-01, -2.40234375e-01, -1.52343750e-01,
         2.12402344e-02, -9.57031250e-02, -2.08007812e-01, -6.21795654e-04,
        -1.00097656e-01,  8.20312500e-02, -1.01562500e-01,  2.65625000e-01,
        -2.42919922e-02, -2.03857422e-02, -1.43554688e-01,  9.37500000e-02,
        -1.03149414e-02,  1.25000000e-01,  9.57031250e-02,  1.43554688e-01,
         1.34765625e-01, -3.63769531e-02,  1.13281250e-01,  1.39236450e-04,
         1.31835938e-01, -5.27343750e-02, -1.51367188e-01, -2.81982422e-02,
        -5.46875000e-02,  1.57470703e-02, -9.03320312e-03, -8.05664062e-02,
         2.77343750e-01, -2.10937500e-01, -1.40625000e-01,  8.25195312e-02,
         8.88671875e-02, -1.24511719e-01,  1.29882812e-01, -6.49414062e-02,
        -2.42187500e-01, -3.80859375e-01, -2.55859375e-01,  1.47460938e-01,
         1.87500000e-01, -2.15820312e-01, -1.17492676e-03,  8.05664062e-03,
         2.15820312e-01, -1.90429688e-01, -1.83593750e-01,  1.73828125e-01,
         1.12792969e-01,  6.59179688e-02,  8.39843750e-02, -1.54296875e-01,
        -4.15039062e-02,  1.79687500e-01, -2.85644531e-02, -1.08886719e-01,
        -3.12500000e-02,  1.44531250e-01, -5.07812500e-02, -4.42504883e-03,
        -1.10473633e-02,  7.22656250e-02,  9.76562500e-02,  8.00781250e-02,
        -1.23535156e-01, -5.44433594e-02, -8.93554688e-02,  1.30859375e-01,
         3.90625000e-02,  4.57763672e-03, -6.15234375e-02, -2.60009766e-02,
         4.61425781e-02, -1.98242188e-01, -2.40234375e-01,  1.44531250e-01,
         1.92871094e-02, -4.83398438e-02, -7.22656250e-02, -1.23046875e-01,
         9.82666016e-03,  1.09252930e-02, -6.44531250e-02, -6.25000000e-02,
        -6.68945312e-02,  1.95312500e-01, -1.25732422e-02,  1.15722656e-01,
         3.49121094e-02, -2.25585938e-01, -7.66601562e-02,  1.43554688e-01,
         2.16796875e-01,  2.57812500e-01, -2.73437500e-01,  1.14746094e-01,
        -7.17773438e-02,  9.91210938e-02,  1.13281250e-01,  1.09375000e-01,
         2.42919922e-02, -3.00292969e-02, -1.01562500e-01,  1.55273438e-01,
         1.51367188e-01,  1.10351562e-01, -3.21960449e-03,  6.44531250e-02,
        -4.05273438e-02,  1.44531250e-01, -1.96289062e-01, -9.76562500e-02,
        -2.46093750e-01,  8.64257812e-02, -1.79443359e-02,  8.39843750e-02,
         1.25732422e-02,  1.03515625e-01,  9.17968750e-02, -8.15429688e-02,
        -1.94335938e-01,  6.39648438e-02,  1.81640625e-01,  3.02734375e-01,
         3.10546875e-01,  9.32617188e-02,  8.54492188e-02,  3.19824219e-02,
         6.64062500e-02, -1.22070312e-01, -1.00097656e-01,  3.10546875e-01,
        -3.55468750e-01, -1.23535156e-01, -1.71875000e-01,  8.64257812e-02,
        -5.10253906e-02,  1.62353516e-02,  1.73339844e-02,  1.11328125e-01,
         3.08837891e-02, -9.52148438e-03, -1.40625000e-01,  2.14843750e-02,
         1.07421875e-01,  2.91748047e-02, -3.11279297e-02, -5.73730469e-02,
         2.09960938e-01,  1.45507812e-01,  6.98242188e-02, -4.32128906e-0
2],
       dtype=float32),
 'senior': array([ 0.07617188,  0.140625  , -0.02270508, -0.0135498 ,  0.11
376953,
        -0.13378906,  0.23046875, -0.00046158,  0.06542969, -0.08984375,
         0.11132812, -0.20800781, -0.1328125 , -0.04077148, -0.18066406,
        -0.05126953,  0.24316406, -0.20117188, -0.26953125, -0.06787109,
        -0.16015625,  0.02441406,  0.02697754,  0.08300781,  0.14746094,
```

```
        -0.00131226,  0.01348877,  0.18847656, -0.10791016, -0.02636719,
         0.24121094,  0.09082031,  0.07373047, -0.08544922, -0.06347656,
        -0.13574219, -0.06176758, -0.04101562, -0.09277344,  0.04321289,
        -0.01031494, -0.17675781, -0.14746094,  0.06640625,  0.06152344,
         0.00448608, -0.09472656,  0.10839844,  0.03759766,  0.17871094,
        -0.13183594,  0.13183594,  0.02453613,  0.07470703, -0.06884766,
        -0.08544922,  0.03149414,  0.06005859,  0.08251953, -0.15429688,
        -0.27539062,  0.12890625, -0.31640625,  0.265625  , -0.08789062,
         0.00227356, -0.03515625,  0.33398438,  0.10253906,  0.03173828,
        -0.19921875, -0.06591797,  0.11523438, -0.16210938, -0.01586914,
         0.16015625, -0.12353516,  0.29296875,  0.03112793,  0.04077148,
         0.08154297,  0.09765625,  0.078125  ,  0.20019531,  0.15332031,
        -0.09521484, -0.22167969, -0.08203125,  0.00289917, -0.09277344,
         0.04418945, -0.30078125, -0.00509644,  0.12890625, -0.08496094,
        -0.17285156,  0.14746094,  0.02355957, -0.22460938, -0.02416992,
        -0.03125   ,  0.08642578,  0.16894531,  0.08984375, -0.01080322,
         0.10253906, -0.02319336, -0.10498047, -0.10400391, -0.11523438,
        -0.06347656, -0.16699219, -0.08496094,  0.296875  , -0.04980469,
         0.02429199, -0.01348877,  0.11816406,  0.29296875, -0.23535156,
        -0.23046875,  0.14257812, -0.11523438,  0.11376953, -0.10888672,
        -0.02526855,  0.21386719, -0.23339844,  0.17382812,  0.19238281,
        -0.16796875,  0.15722656, -0.13867188, -0.0279541 , -0.00182343,
        -0.11132812,  0.04077148,  0.2890625 , -0.06835938,  0.09570312,
        -0.28515625, -0.12060547,  0.1484375 ,  0.04736328, -0.140625  ,
         0.15527344,  0.07568359, -0.07763672,  0.13671875, -0.12109375,
         0.20410156,  0.23046875, -0.02709961,  0.1640625 ,  0.05712891,
        -0.08007812,  0.06933594, -0.11279297,  0.13671875, -0.09667969,
         0.09423828, -0.03088379,  0.08251953,  0.09375   , -0.06591797,
         0.02185059,  0.1328125 , -0.13183594,  0.07177734,  0.1328125 ,
        -0.13867188, -0.00860596,  0.16601562, -0.1796875 ,  0.2734375 ,
        -0.20703125,  0.15527344, -0.04248047, -0.16699219,  0.11523438,
         0.15039062, -0.08203125,  0.17578125,  0.03662109,  0.07958984,
        -0.0078125 ,  0.28515625, -0.04003906,  0.05834961,  0.1328125 ,
         0.23242188, -0.03955078, -0.10058594, -0.10009766, -0.1796875 ,
         0.05102539,  0.01794434,  0.07763672,  0.05175781,  0.04150391,
        -0.09960938,  0.16796875,  0.13769531,  0.13085938, -0.15917969,
        -0.21386719,  0.14746094, -0.00619507, -0.14941406,  0.01477051,
        -0.01092529, -0.34960938,  0.14160156,  0.00157166,  0.12988281,
         0.06884766, -0.00234985, -0.09130859,  0.04370117, -0.18261719,
         0.06152344, -0.01287842, -0.04589844, -0.00305176,  0.11035156,
        -0.00280762, -0.14355469,  0.08300781,  0.1875    ,  0.06396484,
         0.07617188, -0.01245117, -0.04272461, -0.11230469,  0.0456543 ,
         0.02978516, -0.19042969, -0.04248047, -0.24121094,  0.05151367,
         0.03393555,  0.09716797,  0.06787109, -0.10986328,  0.00735474,
         0.17675781, -0.03466797, -0.2890625 , -0.0098877 ,  0.08789062,
        -0.10253906,  0.00297546, -0.05859375,  0.01098633, -0.06079102,
        -0.00363159,  0.05664062,  0.16699219, -0.01184082, -0.10839844,
         0.1875    ,  0.01531982,  0.02270508,  0.01501465,  0.04296875,
         0.05664062,  0.12304688,  0.26757812, -0.12060547,  0.06103516,
         0.0546875 , -0.16210938, -0.15234375, -0.18847656,  0.09814453,
         0.0037384 ,  0.04272461, -0.10253906,  0.1484375 , -0.00424194,
        -0.14550781, -0.10351562, -0.12011719,  0.2578125 ,  0.12304688,
         0.09179688, -0.09179688,  0.125     ,  0.25390625, -0.09521484,
         0.09521484,  0.08642578,  0.05371094, -0.08789062, -0.15625   ,
         0.03039551, -0.01916504, -0.0135498 ,  0.1953125 ,  0.25585938],
       dtype=float32),
 'bring': array([-5.32226562e-02,  6.64062500e-02,  7.61718750e-02, -4.9560
5469e-02,
        -3.54003906e-02,  8.83789062e-02,  9.47265625e-02,  2.06298828e-02,
        -1.46484375e-02,  2.38281250e-01, -1.47460938e-01,  7.32421875e-02,
         4.46777344e-02,  1.65039062e-01,  1.33789062e-01,  1.87500000e-01,
        -6.64062500e-02,  1.23046875e-01, -7.42187500e-02,  5.05371094e-02,
         1.81884766e-02,  2.16064453e-02,  1.81640625e-01,  3.46679688e-02,
         4.88281250e-02,  1.92871094e-02, -3.68652344e-02, -8.49609375e-02,
```

```
 3.46679688e-02,  3.63769531e-02, -4.27246094e-02, -5.95703125e-02,
-2.36328125e-01,  1.33789062e-01, -3.71093750e-02, -2.87109375e-01,
 2.69775391e-02, -5.27954102e-03,  1.06933594e-01,  1.87500000e-01,
 7.22656250e-02,  2.14843750e-01, -5.93261719e-02, -2.63671875e-02,
-3.20312500e-01, -3.35937500e-01, -2.06054688e-01,  3.68652344e-02,
 1.80664062e-01,  6.00585938e-02, -1.15234375e-01,  8.88671875e-02,
-5.24902344e-02, -1.71875000e-01,  2.65625000e-01,  2.84423828e-02,
-8.15429688e-02,  2.09960938e-02,  4.63867188e-02, -1.98242188e-01,
 1.95312500e-01, -1.38671875e-01, -6.39648438e-02,  1.00585938e-01,
 3.27148438e-02, -3.03955078e-02, -5.63964844e-02,  2.14843750e-01,
-9.86328125e-02,  2.98828125e-01,  1.17797852e-02,  2.94921875e-01,
 2.06054688e-01, -5.07812500e-02,  1.72119141e-02, -1.69921875e-01,
-1.05590820e-02,  1.52343750e-01, -4.83398438e-02,  6.88476562e-02,
-2.97546387e-03, -1.90429688e-01,  6.22558594e-02,  8.39843750e-02,
 1.89453125e-01,  2.30407715e-03, -1.30859375e-01,  5.15136719e-02,
-2.24609375e-01,  2.53906250e-01,  3.33984375e-01,  1.66992188e-01,
-4.37011719e-02, -1.29882812e-01,  6.98852539e-03, -1.17187500e-01,
 1.14257812e-01,  4.00390625e-01, -1.89208984e-02, -1.31835938e-02,
-2.91015625e-01,  1.39648438e-01,  8.98437500e-02, -7.81250000e-02,
-1.53320312e-01, -6.22558594e-02,  1.70898438e-02, -4.44335938e-02,
 6.77490234e-03, -4.27246094e-03,  1.27929688e-01,  9.96093750e-02,
-5.29785156e-02, -1.39648438e-01,  6.34765625e-02,  9.27734375e-02,
 2.34375000e-02,  1.51367188e-02,  1.06445312e-01, -7.56835938e-02,
 1.79687500e-01, -2.45361328e-02, -1.07421875e-01,  1.75781250e-01,
-6.43920898e-03,  8.93554688e-02, -2.38037109e-02, -2.06054688e-01,
 1.39770508e-02,  5.02929688e-02,  2.94921875e-01, -1.65039062e-01,
-9.47265625e-02,  3.90625000e-02,  8.00781250e-02,  2.10937500e-01,
 8.88671875e-02,  3.46679688e-02,  1.25122070e-02, -9.76562500e-02,
-5.68847656e-02, -5.34667969e-02, -1.92382812e-01,  1.16699219e-01,
 1.66015625e-01,  9.13085938e-02, -1.13281250e-01, -3.32031250e-01,
-1.20849609e-02, -3.47900391e-03,  7.32421875e-02,  8.59375000e-02,
-4.49218750e-02,  1.78710938e-01, -1.57226562e-01, -1.94335938e-01,
 1.16699219e-01, -1.77734375e-01, -2.28515625e-01,  4.54711914e-03,
 5.83496094e-02, -1.76757812e-01, -1.00097656e-01, -9.37500000e-02,
 1.76757812e-01, -1.78710938e-01,  3.68652344e-02, -6.73828125e-02,
 6.49414062e-02, -2.61718750e-01, -1.47460938e-01, -1.22070312e-01,
-1.31225586e-02, -8.44726562e-02,  1.31835938e-01,  5.27343750e-02,
 1.97265625e-01,  1.29882812e-01, -2.35595703e-02,  1.48437500e-01,
-1.44531250e-01, -6.78710938e-02, -2.78320312e-02,  6.49414062e-02,
-2.73437500e-01, -1.64062500e-01,  7.51953125e-02, -2.13867188e-01,
 6.39648438e-02, -1.57226562e-01,  1.05957031e-01,  6.98242188e-02,
 2.51953125e-01, -6.07910156e-02,  2.39257812e-02,  2.84423828e-02,
-3.17382812e-02,  6.00585938e-02, -1.72851562e-01, -2.06054688e-01,
-1.39648438e-01,  5.49316406e-02, -2.20947266e-02, -1.42578125e-01,
-4.34570312e-02, -8.39843750e-02, -4.73632812e-02,  1.44042969e-02,
 1.08398438e-01,  1.84326172e-02, -1.36718750e-01,  1.13281250e-01,
 1.07910156e-01,  1.68945312e-01, -1.74804688e-01, -1.40380859e-02,
 1.80664062e-01, -3.01361084e-04, -5.02929688e-02, -2.88085938e-02,
-4.51660156e-02, -6.62231445e-03,  6.22558594e-02,  9.71679688e-02,
 3.54003906e-02,  1.07421875e-01,  4.56542969e-02,  3.15856934e-03,
 4.83398438e-02, -7.37304688e-02,  1.12792969e-01,  1.37695312e-01,
 2.04467773e-03,  5.78613281e-02,  1.84326172e-02,  7.03125000e-02,
-1.25732422e-02, -8.59375000e-02,  1.58203125e-01, -3.63769531e-02,
-2.12890625e-01,  1.13281250e-01, -6.54296875e-02, -1.63574219e-02,
 5.24902344e-02,  1.86523438e-01, -4.88281250e-02, -4.24804688e-02,
 2.73437500e-02,  4.54711914e-03, -5.71289062e-02,  1.86523438e-01,
-9.76562500e-02,  2.68554688e-02,  1.03515625e-01,  2.44140625e-02,
 1.77001953e-02, -4.98046875e-02, -1.09863281e-01, -1.40625000e-01,
-1.47460938e-01, -1.64062500e-01, -1.64794922e-02,  2.12890625e-01,
 1.84570312e-01, -1.13769531e-01,  3.06396484e-02, -4.29687500e-02,
-5.61523438e-02, -2.02636719e-02,  1.57470703e-02,  2.57812500e-01,
 1.39648438e-01,  2.40478516e-02,  2.69531250e-01,  4.54711914e-03,
-8.54492188e-02, -1.01074219e-01, -2.27539062e-01, -1.58203125e-01,
-2.57568359e-02, -4.93164062e-02,  1.20605469e-01,  2.01171875e-01,
```

```
         1.11083984e-02,  3.14941406e-02, -2.10937500e-01, -5.12695312e-02,
        -7.47070312e-02, -1.03027344e-01, -2.09960938e-01,  2.17773438e-01,
        -8.23974609e-03,  3.35937500e-01, -4.15039062e-02, -1.06445312e-01,
         8.78906250e-02, -1.06933594e-01,  2.63671875e-01, -2.09960938e-0
1],
       dtype=float32),
 'acumen': array([ 8.64257812e-02, -1.44042969e-02, -1.08886719e-01,  8.593
75000e-02,
        -7.61718750e-02, -9.94873047e-03, -1.93359375e-01, -2.50000000e-01,
         1.78710938e-01, -1.80664062e-01,  1.25000000e-01,  1.41601562e-02,
         4.02832031e-02, -7.53784180e-03, -8.05664062e-02,  1.32812500e-01,
         1.85546875e-02,  3.18359375e-01, -2.79296875e-01, -3.10546875e-01,
        -8.00781250e-02, -2.47070312e-01,  3.05175781e-03,  2.29492188e-01,
         1.54296875e-01, -5.98144531e-02, -7.86132812e-02, -2.23632812e-01,
        -4.98046875e-01,  3.47900391e-03, -4.29687500e-02,  3.46679688e-02,
         6.88476562e-02,  1.87500000e-01,  4.96093750e-01,  5.54687500e-01,
        -3.24707031e-02,  1.77734375e-01,  1.69921875e-01, -1.60156250e-01,
         4.25781250e-01, -1.53320312e-01, -1.64062500e-01,  1.35742188e-01,
        -1.79687500e-01, -1.66992188e-01, -2.96875000e-01,  1.02050781e-01,
         1.45507812e-01,  2.78320312e-02, -4.25781250e-01,  2.51953125e-01,
        -6.17675781e-02, -6.39648438e-02,  7.76367188e-02,  3.43750000e-01,
         1.69677734e-02, -1.74804688e-01, -7.32421875e-03, -2.75390625e-01,
         3.14941406e-02, -1.19628906e-01, -1.95312500e-02, -4.34570312e-02,
        -1.27929688e-01,  1.48437500e-01,  2.64892578e-02,  1.45507812e-01,
         1.87500000e-01, -8.10546875e-02,  1.65039062e-01, -9.81445312e-02,
         2.17773438e-01, -5.82885742e-03,  2.22778320e-03,  6.54296875e-02,
        -4.07714844e-02,  8.25195312e-02,  2.02636719e-02,  6.64062500e-02,
        -6.68945312e-02,  1.84570312e-01, -2.61718750e-01,  2.13867188e-01,
         3.33984375e-01, -1.87500000e-01,  9.81445312e-02,  2.17773438e-01,
        -8.64257812e-02, -1.89453125e-01,  1.41601562e-02, -3.06640625e-01,
        -3.79562378e-04,  4.51660156e-02,  3.20312500e-01, -3.86718750e-01,
        -2.09960938e-01,  4.33593750e-01, -8.78906250e-02, -8.39843750e-02,
         9.08203125e-02,  1.25976562e-01,  1.92871094e-02,  1.46484375e-01,
         1.72851562e-01, -1.39648438e-01,  2.12402344e-02,  3.10546875e-01,
         4.14062500e-01, -3.37890625e-01,  1.14746094e-01,  1.98242188e-01,
        -1.88476562e-01, -1.42578125e-01,  2.30468750e-01, -1.40625000e-01,
         4.61425781e-02, -2.34375000e-01, -4.85229492e-03, -2.89062500e-01,
        -1.93359375e-01, -1.96289062e-01,  6.05468750e-02,  2.44140625e-01,
        -2.51953125e-01, -1.02539062e-01, -1.30859375e-01,  7.66601562e-02,
         2.46093750e-01,  8.88671875e-02, -3.73046875e-01, -1.30859375e-01,
        -1.78710938e-01, -6.25000000e-02,  4.44335938e-02,  3.69140625e-01,
         1.91406250e-01, -3.34167480e-03,  1.27929688e-01,  1.28173828e-03,
        -2.77343750e-01, -1.39648438e-01, -6.54296875e-02,  1.74804688e-01,
         1.32812500e-01,  1.27929688e-01,  1.81640625e-01, -1.57226562e-01,
         4.80468750e-01,  2.63671875e-01, -4.41894531e-02,  3.41796875e-01,
        -1.27929688e-01,  1.45507812e-01, -1.98242188e-01, -1.03027344e-01,
        -1.43554688e-01,  3.49121094e-02,  1.04980469e-01, -2.65625000e-01,
         2.97851562e-02, -1.68945312e-01, -5.54199219e-02,  2.38281250e-01,
        -1.51367188e-01, -4.12109375e-01,  1.27929688e-01, -2.83203125e-01,
         1.45874023e-02,  2.08984375e-01,  2.20703125e-01,  5.88989258e-03,
         7.17773438e-02, -3.18359375e-01, -2.89306641e-02,  1.03515625e-01,
         2.61718750e-01, -1.11328125e-01,  2.50000000e-01, -3.45703125e-01,
        -1.66015625e-01,  2.55859375e-01, -9.17968750e-02, -8.69140625e-02,
        -2.40234375e-01, -2.17773438e-01,  2.06054688e-01, -2.11914062e-01,
         1.65039062e-01,  7.17773438e-02, -1.12304688e-02,  2.94921875e-01,
         2.59765625e-01,  2.71484375e-01,  9.52148438e-02,  1.01318359e-02,
         5.98144531e-02, -7.81250000e-02,  1.04492188e-01, -3.73535156e-02,
        -4.74609375e-01,  2.59765625e-01, -2.28271484e-02, -1.39648438e-01,
         2.27539062e-01, -1.97265625e-01, -8.88671875e-02, -1.62109375e-01,
         1.63085938e-01, -4.58984375e-02, -4.19921875e-01, -2.04101562e-01,
         8.00781250e-02,  1.76757812e-01,  1.67236328e-02,  4.33349609e-03,
         2.08740234e-02,  3.51562500e-01,  1.96533203e-02,  3.53515625e-01,
        -6.93359375e-02,  2.19726562e-01, -2.15820312e-01,  8.72802734e-03,
         6.98852539e-03,  1.47460938e-01,  3.02734375e-01, -1.38671875e-01,
```

```
        -1.09863281e-01,  1.31835938e-01, -1.01318359e-02, -1.56250000e-01,
         1.00097656e-02, -1.94335938e-01, -1.83593750e-01, -4.63867188e-02,
         1.28906250e-01, -4.17480469e-02, -7.03125000e-02, -2.18750000e-01,
        -3.36914062e-02,  2.01416016e-02, -1.64062500e-01,  1.51367188e-01,
         1.92382812e-01,  1.19628906e-02,  1.28906250e-01, -3.47656250e-01,
         2.69531250e-01, -1.71875000e-01,  2.67333984e-02,  6.39648438e-02,
        -3.32031250e-01,  4.84375000e-01,  1.79687500e-01, -1.57226562e-01,
         2.09960938e-01,  3.26171875e-01, -3.96484375e-01, -1.70898438e-02,
         2.29492188e-01, -1.08398438e-01, -5.22460938e-02,  3.82812500e-01,
         1.44531250e-01,  1.34765625e-01, -4.33349609e-03, -7.95898438e-02,
        -4.61425781e-02, -2.85156250e-01, -2.30468750e-01, -1.05468750e-01,
        -1.26953125e-01, -4.37011719e-02, -1.04370117e-02,  1.78222656e-02,
         1.95312500e-01,  2.55859375e-01, -2.09960938e-01,  3.32031250e-01,
        -5.34667969e-02, -3.19824219e-02,  3.14453125e-01,  9.86328125e-02,
        -8.10546875e-02,  8.20312500e-02, -9.52148438e-02,  2.87109375e-01,
         1.78710938e-01,  2.77343750e-01, -9.17968750e-02,  1.97753906e-02,
        -2.98828125e-01, -2.75390625e-01, -1.22070312e-01, -2.61718750e-01,
         3.14453125e-01, -1.44195557e-03,  2.91824341e-04,  2.06054688e-0
1],
       dtype=float32),
 'expertise': array([-1.72851562e-01, -1.83593750e-01,  1.39648438e-01,  9.
37500000e-02,
         1.10351562e-01,  2.96875000e-01, -4.93164062e-02, -4.21875000e-01,
         1.85546875e-01, -2.79296875e-01,  3.45230103e-04,  2.02148438e-01,
         1.14746094e-01, -8.15429688e-02, -3.12500000e-01, -6.93359375e-02,
        -2.81250000e-01,  3.08593750e-01, -1.21093750e-01, -2.25585938e-01,
        -1.10351562e-01, -1.85546875e-01,  9.64355469e-03,  1.51367188e-01,
         1.74804688e-01, -2.34375000e-01, -1.17675781e-01, -1.36718750e-01,
        -4.10156250e-01, -3.14453125e-01,  1.23291016e-02,  1.39160156e-02,
        -5.54199219e-02,  3.19824219e-02,  8.20312500e-02,  1.08398438e-01,
        -6.25000000e-02,  1.22070312e-02,  7.86132812e-02, -3.00781250e-01,
         1.66015625e-01,  6.59179688e-02, -1.76757812e-01, -9.61914062e-02,
        -2.55859375e-01, -2.22656250e-01, -2.94921875e-01, -2.08007812e-01,
         9.32617188e-02, -1.06445312e-01, -1.84570312e-01,  9.66796875e-02,
        -7.37304688e-02, -8.69140625e-02,  6.59179688e-02,  1.76757812e-01,
         2.58789062e-02, -2.03125000e-01,  2.08984375e-01, -3.14453125e-01,
        -4.15039062e-02, -2.94921875e-01, -1.88476562e-01, -1.91650391e-02,
        -1.52343750e-01, -6.83593750e-02, -1.32812500e-01,  4.19921875e-02,
        -9.47265625e-02,  8.74023438e-02,  1.14257812e-01, -3.11279297e-02,
         1.78710938e-01,  1.15234375e-01, -2.14843750e-02, -2.94189453e-02,
         2.07031250e-01,  7.86132812e-02,  1.36718750e-01,  1.14257812e-01,
        -6.98242188e-02,  2.23632812e-01,  9.03320312e-02,  2.02148438e-01,
         2.08007812e-01, -1.60156250e-01, -1.21093750e-01,  1.64062500e-01,
         8.05664062e-03,  2.50244141e-02,  4.04296875e-01, -2.08007812e-01,
        -1.47460938e-01,  1.87500000e-01,  1.21093750e-01, -2.50000000e-01,
        -2.61718750e-01,  8.00781250e-02,  5.24902344e-02, -1.11816406e-01,
        -3.93066406e-02,  9.76562500e-02,  2.66113281e-02,  1.99218750e-01,
         4.10156250e-02, -2.23632812e-01, -5.41992188e-02, -8.05664062e-02,
         4.10156250e-01, -2.32421875e-01,  6.54296875e-02,  1.44531250e-01,
        -2.90527344e-02, -1.87683105e-03,  1.63085938e-01,  1.48437500e-01,
        -9.64355469e-03, -2.96630859e-02,  1.16210938e-01, -2.35351562e-01,
        -2.36328125e-01, -1.76757812e-01,  8.78906250e-03,  3.32031250e-01,
        -6.20117188e-02,  8.74023438e-02, -1.55273438e-01, -1.20605469e-01,
        -2.69775391e-02,  4.08203125e-01, -1.60156250e-01, -1.51367188e-02,
        -1.75781250e-01, -1.16577148e-02, -6.88476562e-02,  3.17382812e-02,
         3.45703125e-01, -8.00781250e-02,  2.66113281e-02, -9.82666016e-03,
        -2.01171875e-01,  4.39453125e-02,  6.78710938e-02,  8.39843750e-02,
         2.18750000e-01,  5.73730469e-02,  1.09375000e-01,  7.35473633e-03,
         3.16406250e-01,  1.57226562e-01,  2.24609375e-01,  2.53906250e-01,
        -6.98242188e-02,  1.43554688e-01,  1.02539062e-02, -3.78417969e-02,
         7.72094727e-03,  9.76562500e-02, -2.92968750e-01, -3.10546875e-01,
         5.90820312e-02, -8.59375000e-02, -1.89453125e-01,  1.64031982e-03,
         1.14257812e-01, -1.46484375e-01,  3.90625000e-02, -2.21679688e-01,
        -7.71484375e-02,  9.33837891e-03,  3.57421875e-01,  9.13085938e-02,
```

```
         4.54101562e-02, -2.57812500e-01,  1.04003906e-01, -2.27539062e-01,
         1.53320312e-01, -2.87109375e-01, -2.01171875e-01, -3.24218750e-01,
        -3.14453125e-01,  2.35351562e-01,  4.85229492e-03, -2.63671875e-01,
        -3.16406250e-01, -2.43164062e-01,  2.77343750e-01, -1.42578125e-01,
         5.68847656e-02,  9.96093750e-02, -3.71093750e-01, -9.27734375e-02,
         3.49609375e-01, -3.56445312e-02, -4.68750000e-02,  1.41601562e-01,
         1.21093750e-01, -1.25976562e-01,  1.25000000e-01, -8.98437500e-02,
        -3.55468750e-01,  3.84765625e-01, -8.64257812e-02, -5.93261719e-02,
        -2.35351562e-01, -1.66992188e-01, -8.98437500e-02, -2.83203125e-01,
        -2.23388672e-02,  1.22070312e-02, -2.48046875e-01, -3.45703125e-01,
         4.05883789e-03,  9.81445312e-02,  2.19726562e-01, -7.91015625e-02,
         1.14746094e-01,  2.55859375e-01,  1.75781250e-01,  2.80761719e-02,
        -1.01562500e-01, -1.12792969e-01, -2.55859375e-01,  2.20703125e-01,
        -1.95312500e-01, -1.73828125e-01,  1.75781250e-01, -1.18164062e-01,
        -1.35742188e-01, -9.13085938e-02, -2.57812500e-01, -1.90429688e-02,
        -7.47070312e-02, -1.97265625e-01, -3.14453125e-01, -1.01562500e-01,
         5.90820312e-02,  1.51367188e-01, -1.00097656e-01, -4.34570312e-02,
        -1.84570312e-01,  9.47265625e-02, -2.10937500e-01,  2.51953125e-01,
         2.12890625e-01,  2.44140625e-02,  2.91015625e-01,  5.73730469e-03,
         2.67578125e-01, -2.75390625e-01, -4.05273438e-02, -1.48437500e-01,
        -2.31445312e-01,  1.57226562e-01,  1.62109375e-01, -2.84423828e-02,
        -6.17675781e-02,  1.99218750e-01, -2.96875000e-01, -4.66308594e-02,
         9.13085938e-02, -2.43164062e-01, -1.20605469e-01,  2.79296875e-01,
         5.27343750e-02,  9.32617188e-02, -1.98974609e-02, -1.06933594e-01,
        -2.25585938e-01, -2.26562500e-01, -2.19726562e-01, -1.10839844e-01,
        -1.16699219e-01,  6.50024414e-03,  1.67968750e-01,  7.65991211e-03,
         2.40478516e-02,  2.14843750e-01, -1.20117188e-01, -3.06640625e-01,
        -1.30859375e-01, -5.41992188e-02,  3.30078125e-01,  2.08984375e-01,
        -1.95312500e-01,  1.06933594e-01, -3.17382812e-02,  8.93554688e-02,
        -7.56835938e-03, -2.74658203e-02, -8.78906250e-02,  7.56835938e-02,
        -6.83593750e-02,  1.51367188e-01, -2.23388672e-02, -5.85937500e-02,
         1.62109375e-01, -2.61718750e-01, -2.06054688e-01,  5.68847656e-0
2],
       dtype=float32),
 'visualizing': array([ 0.11572266,  0.11572266,  0.01855469,  0.16113281,
-0.22070312,
         0.08349609, -0.02478027,  0.140625  , -0.01989746, -0.20605469,
         0.16699219, -0.2578125 ,  0.140625  ,  0.02929688, -0.11279297,
         0.02075195, -0.07275391,  0.3671875 ,  0.012146  , -0.29882812,
        -0.1640625 ,  0.15527344, -0.421875  , -0.13183594,  0.01525879,
         0.07763672, -0.07128906,  0.06225586, -0.1796875 , -0.11865234,
        -0.06591797, -0.03540039,  0.10791016,  0.29101562, -0.31445312,
        -0.02807617, -0.15039062, -0.09960938,  0.24902344,  0.10888672,
         0.2578125 ,  0.1015625 ,  0.29882812,  0.12011719,  0.05981445,
        -0.14355469, -0.29492188,  0.06787109,  0.07617188,  0.39257812,
        -0.09863281, -0.0324707 , -0.22558594, -0.3515625 , -0.00543213,
         0.13183594,  0.20214844, -0.23242188,  0.21582031,  0.1484375 ,
        -0.16210938,  0.08496094,  0.08837891, -0.32617188,  0.20117188,
         0.21875   , -0.22265625, -0.01037598,  0.09716797, -0.11376953,
        -0.25195312,  0.01208496,  0.27929688, -0.27734375, -0.17089844,
        -0.26367188,  0.07861328, -0.08837891, -0.02758789,  0.16015625,
        -0.01916504,  0.22753906,  0.125     ,  0.0267334 ,  0.38476562,
        -0.23144531,  0.07275391,  0.09960938,  0.2578125 , -0.15136719,
        -0.14453125, -0.2109375 , -0.08300781,  0.05664062, -0.27539062,
         0.11816406,  0.31835938, -0.39648438,  0.11376953,  0.18945312,
        -0.15722656, -0.13964844,  0.0390625 , -0.25      ,  0.0112915 ,
         0.34570312, -0.12988281,  0.02197266, -0.11474609, -0.09277344,
         0.04394531,  0.04516602,  0.31445312,  0.01123047,  0.29882812,
        -0.10351562,  0.02233887,  0.09423828,  0.20019531, -0.20507812,
        -0.30273438, -0.04882812, -0.00058746,  0.04418945, -0.13964844,
         0.00393677, -0.09375   ,  0.23730469, -0.28515625,  0.11767578,
        -0.04663086,  0.11230469, -0.32617188,  0.03417969,  0.30664062,
        -0.02148438,  0.08642578,  0.18164062,  0.09033203,  0.33398438,
         0.29492188,  0.12597656, -0.41601562,  0.18652344, -0.09277344,
```

```
         0.13085938, -0.10986328, -0.328125  , -0.06054688,  0.00149536,
         0.0480957 ,  0.10449219, -0.2578125 , -0.04272461,  0.15527344,
         0.13964844, -0.06054688, -0.13574219, -0.11767578,  0.26757812,
        -0.09179688,  0.09863281, -0.27734375,  0.08837891, -0.1640625 ,
         0.16601562,  0.28710938,  0.06884766, -0.13964844, -0.0612793 ,
        -0.03759766,  0.1015625 , -0.10546875,  0.24902344, -0.01239014,
         0.0189209 ,  0.10253906, -0.14941406, -0.10986328, -0.16894531,
        -0.30273438,  0.01708984,  0.21875   , -0.18359375, -0.24023438,
         0.15234375, -0.22851562, -0.09472656,  0.09912109, -0.05566406,
        -0.01953125,  0.09375   ,  0.23144531, -0.12353516, -0.07861328,
        -0.02587891,  0.08691406, -0.1640625 ,  0.06835938, -0.125     ,
         0.05908203, -0.00141144, -0.08496094, -0.2578125 ,  0.09716797,
         0.24707031, -0.18847656, -0.16308594,  0.13574219, -0.16210938,
        -0.22851562,  0.08789062, -0.3359375 , -0.13964844, -0.04516602,
        -0.30078125,  0.21289062, -0.00247192, -0.27734375, -0.17675781,
        -0.06494141,  0.12988281, -0.05688477, -0.09863281, -0.36914062,
         0.20214844, -0.3125    ,  0.10107422, -0.21289062,  0.01599121,
         0.0625    , -0.03149414, -0.09375   , -0.06201172,  0.11083984,
        -0.18261719, -0.04150391, -0.08984375, -0.19726562, -0.16113281,
         0.13574219, -0.04467773, -0.24023438,  0.04858398, -0.08789062,
        -0.18945312, -0.07080078,  0.23535156, -0.15625   , -0.28710938,
         0.0246582 ,  0.09619141,  0.29492188,  0.26757812, -0.02856445,
         0.00402832, -0.12597656, -0.10839844,  0.01074219, -0.3203125 ,
        -0.31445312, -0.07177734,  0.01306152, -0.27148438, -0.09082031,
        -0.02807617,  0.32421875, -0.07421875, -0.06787109, -0.06738281,
        -0.18359375,  0.13574219,  0.23632812, -0.13476562, -0.0859375 ,
         0.17578125, -0.3046875 ,  0.12792969, -0.09667969, -0.09082031,
         0.10595703,  0.17675781, -0.40234375, -0.29101562,  0.0016098 ,
         0.27734375, -0.18945312, -0.20117188,  0.23730469,  0.203125  ,
        -0.3671875 ,  0.25195312, -0.19824219, -0.11572266, -0.44921875,
        -0.03320312, -0.01196289, -0.10693359,  0.17285156,  0.10253906],
       dtype=float32),
 'broad': array([ 3.58886719e-02,  4.88281250e-02, -6.00585938e-02,  3.4765
6250e-01,
        -1.72851562e-01, -2.96875000e-01, -1.31835938e-01, -1.67968750e-01,
         1.98242188e-01, -1.88476562e-01, -2.96875000e-01,  2.67578125e-01,
        -4.56542969e-02,  4.88281250e-02, -1.17675781e-01, -1.01562500e-01,
        -9.03320312e-02,  1.61132812e-01, -1.66015625e-01, -1.99218750e-01,
        -1.73828125e-01,  1.03759766e-02, -2.42187500e-01,  1.47460938e-01,
         5.59082031e-02, -1.92382812e-01, -1.11816406e-01,  8.78906250e-02,
         1.42578125e-01, -1.99218750e-01, -1.76757812e-01,  7.27539062e-02,
         1.51977539e-02, -1.35742188e-01,  1.72851562e-01, -6.93359375e-02,
         9.57031250e-02, -9.32617188e-02,  5.54199219e-02,  5.34667969e-02,
        -5.07812500e-02,  2.02636719e-02,  2.41210938e-01,  7.08007812e-02,
        -1.55273438e-01,  1.65039062e-01, -2.55859375e-01, -1.49414062e-01,
         2.55859375e-01, -1.05468750e-01,  3.10546875e-01, -5.15136719e-02,
        -1.36718750e-01,  2.02148438e-01,  1.70898438e-01,  3.26171875e-01,
        -2.34375000e-02, -3.49609375e-01, -5.83496094e-02, -1.60156250e-01,
        -1.59179688e-01,  2.85156250e-01,  5.81054688e-02, -4.22363281e-02,
         1.60156250e-01, -5.39550781e-02, -5.03540039e-03,  1.83593750e-01,
         1.37695312e-01, -1.08886719e-01,  2.12097168e-03, -1.75781250e-01,
         2.50000000e-01,  2.61718750e-01, -1.30859375e-01, -1.53198242e-02,
         1.66992188e-01,  4.24804688e-02,  5.83496094e-02,  9.76562500e-02,
        -1.61132812e-01,  7.17773438e-02,  1.80664062e-02,  1.94335938e-01,
         1.64062500e-01, -2.71484375e-01, -4.29687500e-01,  1.02539062e-01,
        -2.08740234e-02,  9.03320312e-02,  1.06933594e-01, -2.22656250e-01,
        -2.53906250e-01,  1.47460938e-01,  1.56250000e-01, -7.71484375e-02,
         1.14746094e-01, -5.95703125e-02, -1.44531250e-01,  2.46582031e-02,
        -3.75976562e-02, -3.88183594e-02,  4.98046875e-02, -8.05664062e-02,
        -3.56445312e-02, -3.93066406e-02,  1.28906250e-01, -1.31835938e-01,
         3.12500000e-01, -3.22265625e-01, -3.00292969e-02, -2.17773438e-01,
        -6.34765625e-02, -5.34667969e-02,  3.43750000e-01,  7.42187500e-02,
         9.03320312e-02,  4.94384766e-03,  1.96289062e-01, -1.03515625e-01,
        -1.00097656e-01, -4.27246094e-02, -1.83593750e-01, -5.03540039e-03,
```

```
         1.39648438e-01, -2.22167969e-02,  5.17578125e-02, -6.64062500e-02,
         9.13085938e-02,  9.27734375e-02, -8.49609375e-02,  6.49414062e-02,
        -5.27343750e-02,  7.86132812e-02, -1.24511719e-01,  3.93066406e-02,
         1.70898438e-01, -7.27539062e-02,  1.25000000e-01, -2.36328125e-01,
        -8.25195312e-02,  2.61718750e-01, -3.14941406e-02,  3.05175781e-03,
        -1.06445312e-01, -2.63671875e-01, -1.96289062e-01,  1.00585938e-01,
         9.82666016e-03,  1.27929688e-01,  1.94335938e-01, -1.62109375e-01,
        -1.84570312e-01,  1.04980469e-01, -8.98437500e-02, -9.09423828e-03,
        -9.81445312e-02, -2.23388672e-02, -2.87109375e-01,  3.73535156e-02,
        -1.25976562e-01, -7.87353516e-03,  6.88476562e-02, -1.31835938e-01,
         1.25976562e-01,  1.43554688e-01, -1.25000000e-01, -2.16796875e-01,
        -1.69921875e-01, -9.42382812e-02,  1.53320312e-01, -5.20019531e-02,
        -1.12304688e-01, -3.12500000e-01,  3.73046875e-01, -8.54492188e-02,
        -6.10351562e-02, -8.98437500e-02, -3.45703125e-01, -1.09375000e-01,
        -4.00390625e-01, -4.73632812e-02, -1.05468750e-01,  1.33514404e-03,
        -3.89099121e-03,  7.76367188e-02,  2.12402344e-02, -4.05273438e-02,
        -5.37109375e-02,  6.12792969e-02, -4.02832031e-03, -1.37695312e-01,
         1.67968750e-01, -1.92382812e-01, -1.55273438e-01,  3.80859375e-02,
        -1.41601562e-01, -1.93359375e-01, -3.90625000e-02, -2.27539062e-01,
        -6.59179688e-02, -1.11694336e-02,  1.41601562e-01,  7.95898438e-02,
         6.03027344e-02,  2.20703125e-01,  8.44726562e-02, -6.29882812e-02,
        -1.02050781e-01, -5.88378906e-02, -4.35546875e-01, -3.71093750e-02,
         2.18750000e-01,  5.20019531e-02,  3.68652344e-02, -8.15429688e-02,
         9.32617188e-02,  8.93554688e-02,  1.97753906e-02,  2.65625000e-01,
         7.86132812e-02, -7.22656250e-02, -1.04003906e-01, -1.28906250e-01,
        -2.28271484e-02, -7.95898438e-02,  9.52148438e-02, -7.47070312e-02,
         2.05078125e-02,  2.18750000e-01, -1.57226562e-01,  1.58691406e-02,
         2.92968750e-02, -1.69677734e-02, -1.92382812e-01, -2.59399414e-03,
        -2.49023438e-02,  3.08593750e-01,  1.60156250e-01,  1.97753906e-02,
        -8.11767578e-03,  6.00585938e-02,  2.44140625e-02,  2.51953125e-01,
         3.19824219e-02,  2.16064453e-02,  1.34765625e-01, -2.36328125e-01,
        -8.25195312e-02,  1.68945312e-01, -5.46875000e-02,  1.83593750e-01,
        -5.51757812e-02, -7.95898438e-02,  6.83593750e-02,  9.03320312e-03,
        -2.23632812e-01,  1.97753906e-02, -9.76562500e-02, -3.36914062e-02,
         4.41894531e-02, -2.48046875e-01, -1.62109375e-01, -2.48046875e-01,
         6.00585938e-02,  1.02050781e-01, -6.83593750e-02, -2.81250000e-01,
        -1.05957031e-01, -7.95898438e-02,  1.04003906e-01,  6.10351562e-02,
         1.47819519e-04,  1.23046875e-01,  9.42382812e-02,  2.55859375e-01,
        -2.13623047e-03, -1.16699219e-01,  2.01171875e-01,  3.06640625e-01,
        -1.48437500e-01,  1.50390625e-01,  1.17797852e-02,  2.27539062e-01,
        -1.08886719e-01,  2.24609375e-01,  1.64062500e-01,  3.88183594e-02,
        -1.62109375e-01, -1.21582031e-01, -8.98437500e-02,  5.59082031e-02,
         1.24023438e-01, -4.88281250e-02, -1.84570312e-01,  2.20703125e-01,
         3.53515625e-01,  3.57421875e-01,  1.06445312e-01, -9.32617188e-0
2],
       dtype=float32),
 'audience': array([ 0.34375   , -0.05517578, -0.01721191,  0.06738281,  0.
01306152,
        -0.05883789, -0.12597656,  0.07958984,  0.16601562, -0.01495361,
        -0.18847656, -0.05883789,  0.2265625 ,  0.2265625 , -0.31835938,
         0.16894531, -0.01293945,  0.08935547,  0.10546875,  0.25390625,
         0.08789062,  0.0534668 ,  0.19335938,  0.07568359,  0.03515625,
        -0.453125  , -0.28515625,  0.26367188,  0.14648438, -0.09375   ,
        -0.27734375,  0.03149414, -0.34765625,  0.0546875 ,  0.2578125 ,
        -0.20410156,  0.1328125 ,  0.16503906,  0.29882812,  0.13085938,
        -0.15136719,  0.04101562,  0.01879883,  0.09912109, -0.25195312,
         0.08837891, -0.09716797, -0.05419922,  0.09375   ,  0.04833984,
        -0.05517578, -0.00524902, -0.01818848,  0.22949219,  0.20703125,
        -0.109375  ,  0.05444336,  0.02062988,  0.0038147 ,  0.04907227,
         0.28710938, -0.20898438, -0.08496094, -0.16796875, -0.0534668 ,
         0.09375   , -0.25390625, -0.00946045,  0.234375  ,  0.22265625,
        -0.24511719, -0.26953125,  0.19726562, -0.07763672, -0.02941895,
         0.11083984,  0.1015625 ,  0.07080078,  0.22949219, -0.03979492,
         0.01818848,  0.12597656,  0.07324219,  0.30078125, -0.31835938,
```

```
        -0.08837891, -0.08789062,  0.04394531,  0.20605469,  0.11035156,
        -0.14746094, -0.16796875, -0.13671875, -0.0279541 ,  0.0559082 ,
        -0.18847656, -0.19042969, -0.15332031, -0.171875  , -0.09814453,
        -0.20605469, -0.00656128,  0.10302734, -0.12695312, -0.32421875,
        -0.12695312,  0.03857422, -0.10839844,  0.01348877, -0.34570312,
        -0.11230469, -0.12695312,  0.0291748 ,  0.02197266,  0.27734375,
        -0.03369141,  0.04663086, -0.078125  ,  0.3671875 , -0.34960938,
        -0.10253906, -0.01312256, -0.12011719, -0.22265625, -0.06933594,
        -0.04370117,  0.09521484,  0.16601562, -0.06542969, -0.00805664,
        -0.20996094, -0.03564453, -0.17285156, -0.04956055,  0.02587891,
         0.36523438,  0.00494385,  0.01141357,  0.08056641, -0.07568359,
        -0.05712891, -0.10302734, -0.39453125,  0.01031494,  0.20800781,
        -0.04174805,  0.328125  , -0.17871094,  0.07714844,  0.32421875,
         0.06347656,  0.15332031,  0.11328125, -0.05639648, -0.02844238,
        -0.46289062, -0.10693359, -0.2734375 ,  0.00842285, -0.07226562,
        -0.15527344,  0.2734375 ,  0.12597656,  0.06494141, -0.05249023,
         0.23242188, -0.10644531,  0.12402344,  0.18652344,  0.06689453,
        -0.11132812, -0.06640625, -0.10107422, -0.02172852,  0.01806641,
        -0.07177734, -0.07226562, -0.11669922, -0.078125  , -0.10498047,
         0.18652344,  0.12597656,  0.08300781, -0.22851562,  0.09326172,
         0.046875  , -0.12695312, -0.19140625, -0.05175781,  0.14453125,
        -0.06396484, -0.140625  ,  0.21386719,  0.0625    , -0.15722656,
        -0.00175476,  0.23339844,  0.08935547, -0.25195312, -0.00259399,
         0.06396484,  0.00646973, -0.03125   , -0.04467773,  0.23828125,
        -0.265625  ,  0.11914062,  0.20410156, -0.22167969,  0.22460938,
         0.06298828,  0.10498047, -0.28710938, -0.21972656, -0.23535156,
        -0.08740234, -0.08691406,  0.01989746, -0.14648438,  0.05249023,
        -0.24414062,  0.24707031, -0.07080078,  0.02709961,  0.15820312,
        -0.23046875,  0.02966309, -0.15136719,  0.11132812, -0.05908203,
        -0.00787354, -0.11035156, -0.265625  , -0.16894531,  0.16992188,
         0.01428223, -0.07666016,  0.11572266,  0.2734375 ,  0.20507812,
         0.02294922,  0.01513672, -0.15820312, -0.14941406,  0.08398438,
         0.16503906,  0.17285156,  0.13867188, -0.02941895,  0.09179688,
        -0.10302734, -0.19433594, -0.20605469, -0.06542969,  0.03808594,
        -0.0177002 ,  0.08300781, -0.13183594, -0.37890625, -0.2578125 ,
        -0.44335938, -0.24902344, -0.12207031,  0.18457031, -0.37109375,
         0.32226562, -0.04785156, -0.10205078, -0.07373047, -0.22363281,
        -0.27148438, -0.03173828, -0.0625    , -0.05053711,  0.24414062,
         0.05444336,  0.05175781,  0.11816406, -0.06445312, -0.00909424,
        -0.03564453, -0.25      , -0.2421875 , -0.06152344, -0.06835938,
         0.08056641, -0.08544922, -0.19628906,  0.03515625,  0.22949219,
        -0.06396484, -0.01635742, -0.29492188, -0.23144531,  0.02819824,
         0.11865234,  0.11376953,  0.06054688, -0.02319336, -0.20898438],
       dtype=float32),
 'sql': array([ 2.34375000e-01, -1.16699219e-01, -2.12890625e-01,  2.197265
62e-01,
        -2.73437500e-01, -1.44531250e-01, -3.86718750e-01,  3.43750000e-01,
         1.06933594e-01,  2.55859375e-01, -1.39648438e-01, -1.87500000e-01,
         1.09375000e-01, -5.17578125e-02, -4.12597656e-02,  2.69775391e-02,
         9.66796875e-02,  5.62500000e-01, -2.28515625e-01, -1.30859375e-01,
        -2.94921875e-01,  2.21679688e-01, -8.20312500e-02, -1.55273438e-01,
         8.44726562e-02, -1.27929688e-01, -5.11718750e-01,  7.77343750e-01,
        -6.25610352e-03, -7.75146484e-03,  1.85546875e-01, -3.75976562e-02,
         2.55859375e-01, -4.23828125e-01, -6.54296875e-02,  4.79125977e-03,
        -2.27539062e-01, -1.05468750e-01,  1.71875000e-01, -1.59179688e-01,
         9.47265625e-02,  3.04687500e-01,  2.83203125e-01,  2.01171875e-01,
         2.67578125e-01, -1.10351562e-01,  1.61743164e-03,  5.85937500e-02,
        -6.67968750e-01,  1.18652344e-01, -1.71875000e-01, -4.68750000e-01,
        -2.32421875e-01,  3.26171875e-01, -2.99072266e-03,  3.04687500e-01,
         2.14843750e-01,  2.21679688e-01, -2.87109375e-01, -7.47680664e-03,
         1.98242188e-01, -5.02929688e-02, -4.57763672e-03, -9.76562500e-02,
        -2.83203125e-01, -3.69140625e-01, -3.02734375e-01, -1.06933594e-01,
        -3.51562500e-01, -2.85156250e-01,  1.44531250e-01,  5.85937500e-03,
        -1.34765625e-01, -9.66796875e-02, -2.45117188e-01, -1.97265625e-01,
```

```
         3.49609375e-01, -1.28906250e-01, -3.75976562e-02, -2.83203125e-01,
        -2.02148438e-01,  2.67578125e-01, -8.98437500e-02, -3.00781250e-01,
         1.75781250e-01,  2.81250000e-01,  7.12890625e-02,  8.98437500e-02,
        -1.79687500e-01,  2.94921875e-01,  1.57470703e-02,  1.77734375e-01,
        -3.76953125e-01, -1.53320312e-01,  2.50000000e-01,  2.55859375e-01,
        -1.03027344e-01, -1.80664062e-01,  4.64843750e-01, -2.94921875e-01,
        -2.72216797e-02,  1.88476562e-01,  3.19824219e-02,  8.48388672e-03,
        -2.27539062e-01,  2.22656250e-01, -4.80468750e-01,  2.10937500e-01,
         3.28125000e-01, -2.12890625e-01, -2.08984375e-01, -1.26953125e-01,
         2.50000000e-01, -2.53906250e-02,  3.06640625e-01,  5.03906250e-01,
         3.46679688e-02, -6.44531250e-01,  3.32031250e-01,  6.12792969e-02,
        -4.05273438e-02, -5.19531250e-01, -4.07714844e-02, -2.77099609e-02,
         2.33398438e-01, -3.49609375e-01,  3.29589844e-02,  1.89453125e-01,
         9.47265625e-02, -4.61425781e-02, -9.91210938e-02,  9.42382812e-02,
         7.86132812e-02,  3.32031250e-02,  9.37500000e-02, -6.53076172e-03,
        -5.03906250e-01, -7.76367188e-02,  6.63757324e-04, -3.56445312e-02,
         9.57031250e-02, -6.05468750e-01, -2.96875000e-01,  1.09375000e-01,
        -2.04101562e-01, -1.04003906e-01, -4.27246094e-02,  5.97656250e-01,
        -2.31445312e-01, -4.64843750e-01,  1.99218750e-01, -1.91406250e-01,
        -1.63085938e-01, -1.28906250e-01, -1.59179688e-01, -1.71875000e-01,
        -1.13281250e-01,  3.53515625e-01, -2.59765625e-01,  2.07031250e-01,
        -1.30859375e-01,  1.01074219e-01, -4.04296875e-01,  5.20019531e-02,
        -1.89453125e-01, -2.53906250e-01, -1.40625000e-01,  2.63671875e-01,
        -2.77343750e-01,  5.23437500e-01, -6.67968750e-01,  1.24511719e-02,
        -4.33593750e-01, -3.78417969e-02,  1.95312500e-01,  2.09960938e-01,
         1.95312500e-01, -7.81250000e-01,  2.65625000e-01, -5.23437500e-01,
         3.47656250e-01,  1.78710938e-01, -2.30468750e-01, -3.18359375e-01,
         6.22558594e-02,  2.98828125e-01,  1.25000000e-01,  1.50390625e-01,
         3.00781250e-01, -5.58593750e-01,  7.22656250e-02, -2.69531250e-01,
        -5.58593750e-01, -1.42578125e-01,  2.63671875e-01, -2.45117188e-01,
        -4.98046875e-01, -4.25781250e-01, -1.80664062e-01,  5.95092773e-04,
        -2.51953125e-01,  1.88476562e-01, -8.15429688e-02, -5.02929688e-02,
        -1.14746094e-01, -2.63671875e-01, -7.12890625e-02, -1.04003906e-01,
        -2.23632812e-01,  9.81445312e-02, -1.66992188e-01,  5.63964844e-02,
        -1.93359375e-01,  1.80664062e-01, -2.63671875e-01, -8.15429688e-02,
         1.13769531e-01,  1.27929688e-01, -2.98828125e-01, -1.04003906e-01,
        -9.32617188e-02,  6.39648438e-02,  2.35351562e-01, -8.64257812e-02,
        -9.61914062e-02,  6.59179688e-02,  1.02050781e-01,  3.35937500e-01,
         3.16406250e-01, -7.56835938e-02, -1.15722656e-01, -2.50000000e-01,
        -4.35546875e-01, -2.73437500e-01, -2.01171875e-01,  6.05468750e-02,
         4.56542969e-02, -2.01171875e-01, -9.71679688e-02, -1.56250000e-02,
        -1.63085938e-01, -3.22265625e-01, -1.08398438e-01, -2.91015625e-01,
        -5.27343750e-02, -3.08593750e-01, -1.39648438e-01,  2.23632812e-01,
        -1.22070312e-01,  1.09375000e-01,  1.72851562e-01,  6.25000000e-02,
        -2.31445312e-01,  3.54003906e-02,  5.20019531e-02, -3.78906250e-01,
        -3.28125000e-01,  4.85839844e-02,  3.94531250e-01,  3.27148438e-02,
         1.63085938e-01, -5.71289062e-02,  4.64843750e-01, -1.75781250e-02,
        -1.72851562e-01,  3.39843750e-01,  2.03125000e-01, -9.76562500e-02,
        -3.65234375e-01, -4.60937500e-01,  1.68945312e-01, -1.90429688e-01,
        -2.73437500e-01,  2.39257812e-01,  3.51562500e-01,  7.76367188e-02,
        -1.05468750e-01, -2.16796875e-01,  3.78417969e-02,  3.41796875e-01,
        -2.67578125e-01,  4.80468750e-01,  2.50000000e-01,  1.33789062e-01,
         2.07031250e-01, -2.06054688e-01,  7.86132812e-02, -2.40478516e-02,
         3.68652344e-02,  3.67187500e-01,  1.14257812e-01,  1.19628906e-01,
         3.39355469e-02, -1.27929688e-01,  5.49316406e-02,  1.78710938e-01,
        -4.22363281e-02, -1.58691406e-02, -3.07617188e-02,  6.49414062e-0
2],
       dtype=float32),
 'parse': array([ 4.02343750e-01,  6.77490234e-03, -1.30859375e-01,  2.5000
0000e-01,
        -2.04101562e-01,  2.32421875e-01,  2.39257812e-02,  3.02734375e-01,
         2.18750000e-01, -5.46875000e-02, -1.73828125e-01,  9.08203125e-02,
        -1.10839844e-01,  4.55078125e-01, -2.74658203e-02,  3.26171875e-01,
         2.27539062e-01,  3.98437500e-01,  3.85742188e-02, -4.04296875e-01,
```

```
-4.62890625e-01,  2.10937500e-01, -8.77380371e-04,  1.04003906e-01,
 1.39617920e-03, -3.32031250e-01,  1.75781250e-01, -4.73632812e-02,
-8.30078125e-02,  9.57031250e-02, -1.06445312e-01,  6.10351562e-02,
-3.73046875e-01,  1.02050781e-01, -1.19628906e-01,  2.99072266e-02,
-9.86328125e-02,  3.34472656e-02,  9.86328125e-02,  1.72851562e-01,
 4.46777344e-02, -7.66601562e-02,  8.30078125e-02,  9.08203125e-02,
-1.13769531e-01, -8.98437500e-02, -3.24707031e-02, -2.30712891e-02,
-1.62353516e-02, -5.05371094e-02,  2.10571289e-03, -1.60156250e-01,
-9.13085938e-02, -1.86523438e-01, -4.56542969e-02,  1.81640625e-01,
 5.05371094e-02, -5.19531250e-01,  2.11181641e-02, -9.58251953e-03,
 2.73437500e-01,  4.24804688e-02,  1.14746094e-01,  3.12500000e-02,
 2.98828125e-01, -1.21582031e-01,  8.98437500e-02,  1.30859375e-01,
-5.32226562e-02, -3.69140625e-01,  1.96289062e-01,  1.18164062e-01,
 6.34765625e-02, -5.97656250e-01,  6.78710938e-02, -2.30468750e-01,
 3.39843750e-01,  1.10351562e-01, -6.03027344e-02, -8.93554688e-02,
-4.93164062e-02,  2.04101562e-01, -8.64257812e-02,  1.48437500e-01,
 1.81640625e-01,  3.22265625e-02, -1.73828125e-01,  3.08593750e-01,
-2.71484375e-01,  1.58203125e-01, -2.66113281e-02, -1.01562500e-01,
 2.11914062e-01,  1.08642578e-02,  9.76562500e-02, -8.20312500e-02,
 1.84570312e-01, -1.10473633e-02, -2.59765625e-01,  1.81640625e-01,
-1.08032227e-02, -4.90722656e-02,  2.81250000e-01, -2.81250000e-01,
 2.27050781e-02, -1.27929688e-01, -8.88671875e-02,  2.73437500e-01,
 1.66015625e-01, -9.91210938e-02, -3.90625000e-02, -8.20312500e-02,
 2.19726562e-01,  5.32226562e-02,  4.47265625e-01,  5.76019287e-04,
 3.49609375e-01, -6.78710938e-02,  2.37304688e-01,  1.70898438e-01,
-1.83593750e-01,  2.43164062e-01, -2.18750000e-01,  1.38671875e-01,
 2.00195312e-01, -1.81640625e-01, -2.43164062e-01,  1.31835938e-01,
-4.98046875e-02, -2.70996094e-02, -3.90625000e-02, -1.61132812e-01,
 1.74804688e-01,  1.49414062e-01,  3.12500000e-01,  7.08007812e-02,
 1.29882812e-01,  3.83300781e-02,  4.31640625e-01, -3.02734375e-01,
 3.00781250e-01, -4.80957031e-02, -4.60937500e-01,  6.15234375e-02,
-1.55273438e-01,  1.80664062e-01, -2.17773438e-01, -1.00585938e-01,
 2.47802734e-02,  5.05371094e-02, -1.13769531e-01, -1.20605469e-01,
 1.00097656e-02,  2.47070312e-01, -6.25000000e-02, -1.43554688e-01,
-2.43164062e-01,  2.50000000e-01, -4.47265625e-01,  1.72851562e-01,
 3.25012207e-03, -7.51953125e-02, -1.48437500e-01, -3.76953125e-01,
 1.13281250e-01,  1.30615234e-02,  5.07812500e-02, -9.13085938e-02,
 2.58789062e-02,  4.25781250e-01, -2.94921875e-01,  2.99072266e-02,
-9.47265625e-02, -2.29492188e-02,  3.37890625e-01, -3.17382812e-02,
 1.38671875e-01, -1.27929688e-01, -1.52587891e-02, -2.31445312e-01,
 4.63867188e-02, -1.61132812e-01,  4.44335938e-02,  1.25976562e-01,
 2.27539062e-01, -1.27410889e-03, -2.89062500e-01, -1.17675781e-01,
-2.36816406e-02,  2.17285156e-02,  1.82617188e-01, -1.95312500e-01,
-3.12500000e-02, -3.41796875e-01, -2.29492188e-01,  4.19921875e-01,
-1.10839844e-01, -4.33593750e-01, -2.77343750e-01,  1.26953125e-01,
-1.51367188e-01,  2.43164062e-01, -2.22656250e-01,  1.96289062e-01,
-1.36718750e-01, -1.18164062e-01,  1.09863281e-02, -3.75976562e-02,
 8.00781250e-02, -2.61718750e-01,  1.71875000e-01,  6.93359375e-02,
-7.27539062e-02,  1.22558594e-01, -3.73046875e-01,  3.80859375e-02,
 1.52343750e-01,  2.00195312e-01, -1.07421875e-01, -5.03906250e-01,
-1.34765625e-01,  2.12890625e-01, -1.96289062e-01, -1.49414062e-01,
 1.07421875e-01, -2.31445312e-01,  5.88378906e-02,  8.64257812e-02,
-4.51660156e-02,  1.29882812e-01,  2.05078125e-01, -1.01562500e-01,
-3.97949219e-02, -3.00781250e-01,  3.04687500e-01, -5.59082031e-02,
 5.76171875e-02,  3.73840332e-03,  2.61718750e-01, -1.02539062e-01,
-1.08398438e-01,  8.25195312e-02, -8.05664062e-02,  7.20214844e-03,
-1.65039062e-01, -2.36328125e-01,  9.71679688e-02,  2.73437500e-01,
-7.81250000e-02,  5.66406250e-02, -3.08593750e-01,  1.36718750e-01,
-2.87109375e-01, -7.22656250e-02,  8.39843750e-02, -8.15429688e-02,
-1.29882812e-01,  3.75976562e-02, -1.86523438e-01, -1.76757812e-01,
 1.46484375e-01,  2.67333984e-02,  7.22656250e-02,  2.70996094e-02,
 1.76429749e-04, -7.51953125e-02,  3.28125000e-01, -1.56250000e-01,
-9.91210938e-02,  3.68652344e-02, -4.54711914e-03,  1.55273438e-01,
 2.50000000e-01,  7.71484375e-02,  1.25000000e-01,  1.80664062e-02,
```

```
        -3.02734375e-01, -3.20312500e-01, -2.89916992e-03,  1.76757812e-01,
        -3.43750000e-01,  3.44238281e-02, -1.02539062e-01, -1.63085938e-01,
         6.83593750e-02, -1.13769531e-01, -1.58203125e-01,  1.60156250e-01,
         3.22265625e-02,  2.63671875e-01,  3.08593750e-01, -1.78222656e-02,
         8.39843750e-02, -3.58886719e-02, -1.56250000e-01, -2.07031250e-01,
         9.17968750e-02,  1.20849609e-02, -1.34765625e-01,  8.59375000e-0
2],
       dtype=float32),
 'irregularity': array([-0.25195312, -0.10009766,  0.05053711, -0.16210938,
-0.39648438,
        -0.00131989, -0.07226562, -0.04931641, -0.3359375 , -0.13183594,
        -0.22851562, -0.09716797, -0.0291748 ,  0.13769531, -0.18652344,
         0.28125   , -0.06201172, -0.15332031, -0.20117188,  0.06787109,
        -0.2578125 , -0.33007812,  0.08544922,  0.22070312, -0.01721191,
        -0.3671875 , -0.11474609, -0.15332031, -0.31640625,  0.08056641,
        -0.453125  , -0.11279297,  0.31445312, -0.04956055,  0.07519531,
        -0.125     ,  0.22167969, -0.35351562,  0.41210938, -0.29101562,
        -0.21875   , -0.09570312, -0.16113281, -0.23535156, -0.04321289,
        -0.03063965, -0.15136719,  0.06982422, -0.31640625, -0.20605469,
        -0.08447266,  0.05419922,  0.12988281, -0.11474609, -0.19042969,
         0.203125  , -0.03588867, -0.36914062, -0.02380371, -0.25390625,
         0.02770996,  0.05615234,  0.09472656, -0.25976562, -0.00854492,
        -0.12255859, -0.36914062,  0.171875  ,  0.02185059,  0.04345703,
         0.296875  , -0.14941406,  0.04345703, -0.06005859, -0.10888672,
         0.12988281,  0.39257812, -0.18554688,  0.15429688,  0.29101562,
        -0.12255859, -0.171875  ,  0.06445312, -0.12011719, -0.02539062,
        -0.25976562,  0.13378906,  0.34375   ,  0.33789062,  0.07324219,
         0.08251953, -0.01239014,  0.15039062,  0.3125    , -0.31445312,
         0.01062012,  0.39648438,  0.28320312,  0.23730469, -0.15332031,
         0.25      , -0.00445557,  0.24902344, -0.03540039,  0.10205078,
         0.06591797,  0.01831055,  0.22949219, -0.01177979,  0.05688477,
        -0.04638672, -0.24902344,  0.07763672,  0.01245117,  0.11328125,
        -0.06591797,  0.06738281,  0.18164062, -0.0480957 ,  0.1796875 ,
        -0.16015625, -0.15234375,  0.08789062, -0.22070312, -0.22558594,
         0.1953125 ,  0.01495361, -0.15234375,  0.30664062, -0.05297852,
        -0.38085938,  0.09326172, -0.13476562,  0.00601196,  0.25      ,
        -0.18457031,  0.20214844,  0.2578125 , -0.3828125 ,  0.5390625 ,
        -0.16601562, -0.12109375, -0.01141357,  0.4140625 , -0.14648438,
        -0.23144531, -0.5       ,  0.04223633, -0.43164062,  0.06445312,
        -0.09716797,  0.22753906, -0.12255859,  0.13183594,  0.31835938,
        -0.04614258, -0.22363281, -0.14453125,  0.13867188, -0.0703125 ,
        -0.10009766, -0.31640625,  0.31445312,  0.09082031,  0.15917969,
        -0.04272461, -0.02722168, -0.00482178,  0.56640625,  0.04052734,
         0.01599121, -0.03930664, -0.12890625,  0.10986328,  0.11181641,
        -0.06103516,  0.06835938, -0.46875   ,  0.35351562, -0.02685547,
        -0.11425781,  0.15917969, -0.20898438, -0.18847656,  0.27148438,
         0.24902344, -0.25      ,  0.07080078, -0.33007812,  0.24804688,
         0.13085938, -0.06982422, -0.06347656,  0.46484375,  0.20703125,
        -0.08935547,  0.11914062, -0.19433594,  0.04516602, -0.34179688,
         0.16601562,  0.19335938, -0.18457031, -0.03857422,  0.18652344,
        -0.04589844, -0.08007812, -0.1171875 ,  0.50390625, -0.08203125,
        -0.12451172,  0.01293945,  0.01068115,  0.24804688, -0.36523438,
        -0.04345703, -0.20214844, -0.03588867, -0.51171875, -0.14160156,
        -0.04150391,  0.18847656,  0.01928711,  0.49609375, -0.09960938,
         0.11962891,  0.33398438, -0.06835938,  0.18652344,  0.1484375 ,
         0.21875   ,  0.01257324, -0.2734375 ,  0.18164062, -0.09033203,
        -0.0559082 ,  0.25976562, -0.12890625,  0.06494141,  0.15332031,
         0.25390625, -0.3359375 ,  0.06298828, -0.14355469,  0.21191406,
        -0.27539062, -0.39257812, -0.15234375,  0.01599121, -0.07861328,
         0.45898438, -0.25390625, -0.05517578, -0.37109375,  0.08056641,
         0.01452637,  0.26367188,  0.24902344,  0.19042969, -0.12060547,
         0.49414062,  0.13671875, -0.02709961,  0.04125977, -0.14941406,
        -0.11376953, -0.01794434,  0.15136719, -0.03442383, -0.38671875,
        -0.0071106 ,  0.02478027, -0.29296875, -0.09814453, -0.16992188,
```

```
         0.0625    , -0.02490234,  0.01153564,  0.11132812,  0.36914062,
        -0.04760742,  0.10400391,  0.00750732,  0.24316406,  0.20703125,
        -0.01782227, -0.02856445, -0.08300781,  0.06835938, -0.1796875 ,
         0.13671875, -0.21191406,  0.01953125, -0.22460938,  0.03735352,
         0.36523438, -0.10986328, -0.15625   , -0.15234375,  0.03222656],
       dtype=float32),
 'optimize': array([-2.67578125e-01, -6.05468750e-02, -1.22070312e-01, -2.6
5625000e-01,
        -1.13769531e-01,  1.96289062e-01,  1.44531250e-01,  7.91015625e-02,
         1.38671875e-01, -2.14843750e-01, -2.45117188e-01, -2.48718262e-03,
         6.73828125e-02,  5.42968750e-01,  6.83593750e-02, -1.33789062e-01,
        -1.58203125e-01,  2.21679688e-01, -8.98437500e-02,  3.78906250e-01,
        -1.19140625e-01,  4.15039062e-03, -1.90429688e-01,  2.75390625e-01,
         4.32128906e-02, -2.30712891e-02,  4.07714844e-02,  1.12304688e-01,
         9.03320312e-03, -3.49609375e-01,  1.54296875e-01,  2.16064453e-02,
        -6.54296875e-02, -4.68750000e-02, -2.44140625e-01,  7.71484375e-02,
        -3.28063965e-03, -2.42187500e-01,  3.65234375e-01,  6.15234375e-02,
        -1.01074219e-01,  2.55859375e-01,  1.57226562e-01, -1.24023438e-01,
        -8.88671875e-02, -2.06054688e-01, -1.50390625e-01, -5.98144531e-02,
         2.41210938e-01,  1.32812500e-01, -1.72851562e-01,  1.25000000e-01,
        -6.03027344e-02, -1.25976562e-01, -3.18359375e-01, -8.74023438e-02,
        -1.78710938e-01, -4.27734375e-01,  3.88671875e-01,  4.33349609e-03,
         9.76562500e-02, -8.34960938e-02, -2.57812500e-01, -9.03320312e-02,
         1.14746094e-01,  3.00781250e-01,  1.04980469e-01,  1.58203125e-01,
         1.36718750e-01, -3.34472656e-02,  1.67968750e-01,  9.22851562e-02,
         1.88476562e-01,  2.46582031e-02, -2.55859375e-01, -2.91015625e-01,
         2.73437500e-01, -1.04370117e-02, -8.44726562e-02, -1.79443359e-02,
         1.43554688e-01,  9.13085938e-02, -8.88671875e-02,  6.07910156e-02,
         3.53515625e-01, -3.44238281e-02, -3.06640625e-01,  2.37304688e-01,
        -2.65625000e-01,  4.88281250e-01,  1.96289062e-01, -1.53320312e-01,
        -3.26171875e-01,  1.43554688e-01, -3.43750000e-01, -2.61718750e-01,
        -2.69531250e-01, -1.70898438e-01,  1.04492188e-01, -3.68652344e-02,
         1.54296875e-01, -1.20605469e-01,  1.19140625e-01, -1.74804688e-01,
        -1.25000000e-01,  6.93359375e-02, -3.16406250e-01,  2.19726562e-01,
         8.83789062e-02,  1.57470703e-02,  9.81445312e-02, -1.79687500e-01,
        -1.27929688e-01,  3.97949219e-02,  4.19921875e-01, -1.31835938e-01,
         1.33666992e-02, -1.79687500e-01,  3.02734375e-01, -9.81445312e-02,
        -4.00390625e-02, -2.18750000e-01, -1.06933594e-01,  1.42578125e-01,
         1.26953125e-01,  2.88085938e-02, -2.89062500e-01,  2.83203125e-02,
         1.40625000e-01,  2.00195312e-01, -5.85937500e-02,  3.88671875e-01,
         1.41601562e-01,  5.56640625e-02,  8.10546875e-02, -2.08007812e-01,
         2.83203125e-01,  3.16406250e-01,  1.65039062e-01,  9.22851562e-02,
         1.84570312e-01, -7.61718750e-02, -4.04296875e-01,  5.11718750e-01,
         3.27148438e-02,  1.80053711e-03,  4.85839844e-02, -1.21582031e-01,
         6.34765625e-02, -2.89062500e-01,  2.70080566e-03,  8.44726562e-02,
        -9.27734375e-02,  1.35742188e-01,  2.45117188e-01,  1.92871094e-02,
         3.84765625e-01,  3.49609375e-01, -1.90429688e-01, -2.02148438e-01,
        -5.59082031e-02, -1.49414062e-01, -1.49414062e-01,  5.71289062e-02,
         1.90429688e-01,  5.78613281e-02, -1.81640625e-01, -1.72851562e-01,
         1.29882812e-01, -1.91406250e-01, -1.68945312e-01, -5.76171875e-02,
        -1.86523438e-01,  7.56835938e-02,  1.80664062e-01,  1.36718750e-01,
         4.80468750e-01, -1.05957031e-01, -4.23828125e-01, -1.01562500e-01,
        -2.96875000e-01, -1.47094727e-02,  1.56250000e-01, -1.33789062e-01,
        -1.42578125e-01, -3.69140625e-01, -6.93359375e-02,  3.01513672e-02,
         1.44531250e-01, -1.08886719e-01, -3.61328125e-01, -1.84570312e-01,
        -4.32128906e-02, -4.17480469e-02, -1.22558594e-01, -1.46484375e-01,
         3.88671875e-01, -3.18359375e-01, -5.00488281e-02, -1.99218750e-01,
         2.51953125e-01,  6.25000000e-02, -2.14843750e-01, -3.19824219e-02,
        -9.47265625e-02, -1.19140625e-01, -1.52343750e-01, -7.56835938e-02,
         2.22778320e-03, -1.69921875e-01,  5.68847656e-02,  3.36914062e-02,
        -1.28906250e-01,  2.20703125e-01, -4.98046875e-02, -2.67578125e-01,
         2.69531250e-01,  5.83496094e-02,  4.79125977e-03, -1.31835938e-01,
        -1.62109375e-01, -6.88476562e-02, -3.54003906e-02, -8.25195312e-02,
        -2.77343750e-01, -1.55639648e-02, -2.77343750e-01, -2.13867188e-01,
```

```
         2.57568359e-02, -4.02832031e-03,  1.11328125e-01,  7.03125000e-02,
        -4.07714844e-02, -6.05468750e-02, -2.40234375e-01, -1.67968750e-01,
        -1.91406250e-01,  4.83398438e-02, -5.83496094e-02, -1.55639648e-02,
        -2.73437500e-01,  1.15722656e-01, -3.00292969e-02, -2.53906250e-01,
        -4.57763672e-05, -2.77343750e-01, -5.70312500e-01,  5.54687500e-01,
        -1.81640625e-01, -4.60937500e-01, -5.39550781e-02, -1.01562500e-01,
        -1.00097656e-01,  8.34960938e-02, -2.44140625e-02, -2.18750000e-01,
        -1.49414062e-01, -6.98852539e-03, -1.82617188e-01, -3.14453125e-01,
         1.61132812e-01, -8.30078125e-02, -2.80761719e-02,  1.03027344e-01,
         1.14257812e-01, -2.85156250e-01,  1.37695312e-01, -2.61718750e-01,
        -1.29882812e-01, -1.18652344e-01, -9.17968750e-02,  3.49609375e-01,
        -9.52148438e-02,  2.44140625e-02, -4.93164062e-02,  1.35498047e-02,
        -2.02148438e-01,  1.48437500e-01, -2.92968750e-01, -4.02832031e-02,
        -2.30468750e-01,  2.85644531e-02,  1.25000000e-01, -6.01196289e-03,
        -1.17675781e-01,  3.44238281e-02, -1.43554688e-01,  1.76757812e-01,
         2.34375000e-01, -2.47802734e-02, -7.76367188e-02,  4.70703125e-01,
        -1.85546875e-01,  5.56640625e-02, -2.99072266e-02,  5.78613281e-02,
        -4.80957031e-02,  4.29687500e-02, -7.76367188e-02,  1.25976562e-0
1],
       dtype=float32),
 'query': array([ 1.34765625e-01,  1.61132812e-01, -9.57031250e-02,  6.5429
6875e-02,
        -2.85644531e-02,  2.79541016e-02,  1.04980469e-01, -7.47070312e-02,
         2.11181641e-02,  8.49609375e-02, -2.35351562e-01,  1.19140625e-01,
         6.39648438e-02,  6.88476562e-02, -6.68945312e-02,  2.57812500e-01,
         1.47460938e-01,  3.75976562e-02, -2.07031250e-01, -5.05371094e-02,
         6.10351562e-02,  2.61230469e-02, -2.04101562e-01, -2.17773438e-01,
        -2.13867188e-01, -2.98828125e-01,  6.88476562e-02,  1.50390625e-01,
         2.85156250e-01,  2.37304688e-01, -1.52343750e-01, -1.28784180e-02,
        -1.51367188e-01,  9.22851562e-02, -9.27734375e-02,  6.83593750e-02,
         1.01074219e-01,  1.51367188e-01,  1.73828125e-01,  7.87353516e-03,
        -7.71484375e-02,  2.78320312e-02,  7.17773438e-02,  1.85546875e-01,
        -7.86132812e-02, -1.61132812e-01, -3.68652344e-02, -3.97949219e-02,
        -1.83593750e-01,  1.22070312e-01, -1.18652344e-01, -1.99218750e-01,
        -8.54492188e-02, -4.05273438e-02, -2.39257812e-01, -1.72119141e-02,
         7.50732422e-03, -9.52148438e-02,  9.39941406e-03, -3.36914062e-02,
         1.13281250e-01, -1.20117188e-01,  2.39257812e-02,  1.80664062e-01,
        -2.14843750e-01,  2.69531250e-01, -2.71484375e-01, -4.39453125e-01,
        -4.34570312e-02, -6.73828125e-02,  8.34960938e-02, -1.98242188e-01,
        -2.42919922e-02, -3.71093750e-01, -1.09375000e-01, -1.91406250e-01,
         2.83203125e-01, -1.61132812e-01,  7.66601562e-02,  4.90722656e-02,
         1.18652344e-01,  1.66015625e-01,  1.55273438e-01,  1.67968750e-01,
         1.24023438e-01, -7.66601562e-02, -9.27734375e-02, -1.95312500e-01,
        -1.88827515e-04,  1.09863281e-01,  9.47265625e-02, -4.80957031e-02,
        -4.55078125e-01,  1.68457031e-02, -1.14257812e-01,  3.08593750e-01,
         1.78710938e-01, -1.55639648e-02, -1.13769531e-01,  1.29882812e-01,
         1.80664062e-01, -8.98437500e-02,  7.27539062e-02, -1.49414062e-01,
        -6.83593750e-02,  3.39843750e-01, -1.96289062e-01,  1.51367188e-01,
         2.06298828e-02,  5.88989258e-03,  9.17968750e-02, -4.57031250e-01,
        -1.12304688e-01, -2.75878906e-02,  1.85546875e-01,  4.41894531e-02,
         1.98242188e-01, -1.11328125e-01,  2.57812500e-01,  1.09375000e-01,
        -7.56835938e-02,  1.60156250e-01, -3.20312500e-01,  1.61132812e-01,
        -1.21093750e-01,  4.02832031e-02,  7.22656250e-02,  1.46484375e-01,
         1.56250000e-01, -3.73535156e-02, -4.76562500e-01, -2.38281250e-01,
        -1.07421875e-01,  6.78710938e-02,  1.66015625e-01, -1.54296875e-01,
         1.31835938e-01,  1.20117188e-01, -2.56347656e-02,  1.66992188e-01,
         2.26562500e-01, -1.04003906e-01, -3.59375000e-01,  5.81054688e-02,
         1.85546875e-01, -1.86523438e-01, -1.66992188e-01, -3.10546875e-01,
         1.30859375e-01, -4.27246094e-02, -6.83593750e-02,  2.25585938e-01,
        -6.83593750e-02,  1.69677734e-02,  3.12500000e-02, -2.23632812e-01,
        -2.51953125e-01,  5.98144531e-02,  6.64062500e-02, -1.55273438e-01,
        -1.14746094e-01, -6.22558594e-02,  2.79296875e-01, -2.81250000e-01,
         1.07421875e-01, -1.05957031e-01,  2.41088867e-03, -1.08398438e-01,
        -1.53320312e-01,  9.81445312e-02, -1.69677734e-02,  1.18164062e-01,
```

```
        -1.25000000e-01, -2.41210938e-01,  1.74804688e-01, -3.02734375e-01,
         5.58593750e-01, -1.15234375e-01, -1.75781250e-01, -1.25976562e-01,
         3.54003906e-02,  1.49414062e-01,  7.17773438e-02, -1.43554688e-01,
         3.61328125e-01,  1.62109375e-01, -1.12304688e-01,  3.59375000e-01,
         9.09423828e-03, -9.96093750e-02, -2.30468750e-01, -3.49609375e-01,
        -2.50244141e-02,  9.32617188e-02,  2.31445312e-01, -1.29882812e-01,
         1.63085938e-01, -1.17187500e-01,  2.40234375e-01,  1.62109375e-01,
        -1.22558594e-01,  8.49609375e-02, -1.58203125e-01, -6.07299805e-03,
        -8.00781250e-02,  2.69531250e-01, -3.66210938e-02,  1.66015625e-01,
         2.57812500e-01,  2.09960938e-01, -2.07519531e-02, -5.46875000e-02,
        -1.12304688e-02, -2.57812500e-01, -3.59375000e-01,  1.06445312e-01,
         9.81445312e-02,  4.06250000e-01, -3.35937500e-01, -3.85742188e-02,
        -1.54296875e-01,  1.59912109e-02, -2.47070312e-01, -6.88476562e-02,
         1.10839844e-01,  2.61718750e-01, -7.42187500e-02, -1.31835938e-01,
         1.82617188e-01,  3.18359375e-01,  1.81640625e-01,  3.75976562e-02,
         3.39355469e-02, -1.17675781e-01,  1.97265625e-01, -1.33789062e-01,
         2.73437500e-01, -7.08007812e-03, -6.00585938e-02,  1.31835938e-02,
        -1.81640625e-01,  1.14257812e-01, -6.88476562e-02,  9.22851562e-02,
         6.83593750e-02, -1.94335938e-01,  8.64257812e-02,  4.82421875e-01,
         6.78710938e-02, -8.10546875e-02,  1.37695312e-01,  7.71484375e-02,
        -1.56250000e-01,  1.36718750e-01, -1.99218750e-01, -3.10546875e-01,
        -3.99780273e-03, -5.00488281e-02, -1.00097656e-01, -3.51562500e-01,
         2.46093750e-01,  1.89453125e-01, -9.42382812e-02,  3.73535156e-02,
         5.41992188e-02, -8.44726562e-02,  1.65039062e-01, -1.26953125e-01,
        -1.40625000e-01, -2.07031250e-01, -2.06298828e-02,  2.55859375e-01,
         4.80957031e-02, -2.11914062e-01, -7.37304688e-02,  1.02050781e-01,
        -4.98046875e-02, -3.26171875e-01,  2.50000000e-01,  3.06640625e-01,
         6.44531250e-02,  2.29492188e-01, -1.50390625e-01,  1.62353516e-02,
         2.11914062e-01, -1.46484375e-01, -7.86132812e-02,  2.21679688e-01,
         1.14746094e-01,  5.03906250e-01,  1.52343750e-01,  1.74804688e-01,
         1.00708008e-02,  3.95507812e-02, -1.28173828e-02, -7.71484375e-02,
        -4.44335938e-02, -3.75000000e-01, -2.53906250e-01, -4.61425781e-0
2],
       dtype=float32),
 'manager': array([-1.64062500e-01, -6.17675781e-02, -5.41992188e-02, -3.76
953125e-01,
        -1.54296875e-01,  1.12304688e-01,  1.61132812e-01, -2.75390625e-01,
         7.32421875e-02,  8.15429688e-02, -2.21252441e-03,  1.74804688e-01,
        -1.56250000e-01, -3.55468750e-01,  6.49414062e-02,  6.54296875e-02,
         1.50390625e-01, -2.78320312e-02, -1.02539062e-01,  9.52148438e-02,
        -1.52343750e-01,  1.76757812e-01,  5.78613281e-02,  1.20117188e-01,
         3.86718750e-01,  5.15136719e-02, -1.86523438e-01,  2.61718750e-01,
        -2.61718750e-01,  1.25976562e-01, -1.93359375e-01,  2.43164062e-01,
        -6.13403320e-03, -1.08398438e-01,  2.26562500e-01,  1.89208984e-02,
        -6.25000000e-02,  2.25585938e-01,  2.40234375e-01, -2.40478516e-02,
         8.34960938e-02, -3.84765625e-01, -4.02832031e-02, -6.00585938e-02,
        -9.57031250e-02, -2.40234375e-01, -2.96875000e-01,  2.34375000e-01,
        -5.07812500e-02,  2.36328125e-01, -1.14257812e-01,  7.27539062e-02,
        -4.51660156e-02,  9.03320312e-02, -1.10839844e-01, -1.87500000e-01,
         1.45507812e-01, -1.09375000e-01, -3.85742188e-02, -1.12792969e-01,
        -7.95898438e-02,  1.23535156e-01, -9.52148438e-02, -1.39770508e-02,
         1.14746094e-01, -2.18750000e-01,  8.49609375e-02, -5.56640625e-02,
         2.94921875e-01, -1.14257812e-01,  1.57226562e-01, -1.66015625e-02,
         1.48437500e-01, -1.62353516e-02, -2.94921875e-01,  6.64062500e-02,
        -6.49414062e-02,  1.61132812e-02, -1.49414062e-01, -1.44531250e-01,
         2.26562500e-01,  2.13867188e-01, -1.06933594e-01,  1.92382812e-01,
         1.94335938e-01, -6.34765625e-02, -2.42187500e-01, -2.80761719e-02,
         4.37011719e-02,  1.25976562e-01,  1.83593750e-01, -1.77734375e-01,
        -2.83203125e-01,  1.85546875e-01, -1.84570312e-01, -7.66601562e-02,
        -4.22363281e-02,  2.09960938e-01,  1.05857849e-04,  1.84570312e-01,
        -5.24902344e-02,  4.41894531e-02, -6.64062500e-02,  1.05468750e-01,
         1.63085938e-01, -1.52343750e-01, -1.34765625e-01,  4.97436523e-03,
        -3.24218750e-01, -6.15234375e-02, -4.93164062e-02, -4.49218750e-02,
        -1.03515625e-01, -2.44140625e-01, -1.04003906e-01, -1.28173828e-02,
```

```
        -8.69140625e-02,  1.81640625e-01,  5.42968750e-01,  4.71191406e-02,
         2.05078125e-02, -5.17578125e-02, -3.57421875e-01, -1.29882812e-01,
        -4.78515625e-02, -2.07031250e-01, -4.39453125e-02, -2.77099609e-02,
         4.86328125e-01, -7.61718750e-02, -1.34765625e-01, -1.70898438e-01,
        -3.68652344e-02, -2.25585938e-01, -1.24511719e-01,  6.78710938e-02,
        -1.10839844e-01, -4.00390625e-02, -2.22656250e-01,  1.67968750e-01,
        -3.97949219e-02,  5.10253906e-02,  1.76757812e-01, -2.22167969e-02,
        -1.18652344e-01, -6.39648438e-02, -2.20703125e-01, -2.61230469e-02,
         1.35742188e-01,  1.21459961e-02,  5.59082031e-02,  2.65625000e-01,
        -7.32421875e-02,  1.85546875e-01, -2.01171875e-01,  8.74023438e-02,
         4.17480469e-02,  4.56542969e-02, -6.29882812e-02,  2.12402344e-02,
         3.57055664e-03, -1.96533203e-02,  1.12792969e-01,  3.98437500e-01,
         9.66796875e-02, -1.03515625e-01, -8.54492188e-02, -6.43920898e-03,
         1.04003906e-01, -2.49023438e-02,  3.30078125e-01,  2.66113281e-02,
         1.33789062e-01, -1.34765625e-01,  2.00195312e-01,  2.28515625e-01,
         2.61718750e-01, -1.20117188e-01,  1.83593750e-01,  1.24023438e-01,
        -1.05957031e-01,  1.95312500e-02,  1.25000000e-01, -3.02734375e-01,
        -1.10839844e-01, -2.57812500e-01, -1.18408203e-02,  2.08007812e-01,
        -7.95898438e-02,  2.43164062e-01, -1.98242188e-01, -6.44531250e-02,
         9.37500000e-02,  2.06054688e-01, -1.29882812e-01, -2.35595703e-02,
        -3.54003906e-02,  4.29687500e-01, -1.63085938e-01, -4.71191406e-02,
        -7.56835938e-02, -1.45263672e-02,  1.87500000e-01,  1.21582031e-01,
        -1.61132812e-02, -6.68945312e-02,  8.69140625e-02,  2.24609375e-02,
        -6.73828125e-02, -1.29394531e-02,  1.02050781e-01, -2.65625000e-01,
        -1.19140625e-01,  3.78417969e-02,  1.58203125e-01, -1.45263672e-02,
         1.81640625e-01, -1.76757812e-01, -1.45874023e-02, -4.51660156e-03,
         2.92968750e-01,  1.72851562e-01,  2.95410156e-02, -3.19824219e-02,
         2.95639038e-04, -5.05371094e-02,  5.95703125e-02, -7.56835938e-02,
        -9.96093750e-02, -1.77734375e-01, -1.77734375e-01,  4.46777344e-02,
        -3.80859375e-01, -1.75781250e-02,  1.13769531e-01, -1.56250000e-01,
        -1.23901367e-02, -1.87500000e-01,  6.03027344e-02, -1.12304688e-01,
        -8.05664062e-02, -2.08984375e-01, -2.59765625e-01, -8.54492188e-02,
         5.18798828e-03, -1.90429688e-01, -1.84570312e-01, -5.37109375e-02,
         1.66015625e-01, -4.56542969e-02,  4.02832031e-02,  1.13769531e-01,
        -1.41601562e-02, -2.04101562e-01,  1.16210938e-01,  2.35595703e-02,
        -2.57812500e-01,  2.75390625e-01, -1.19140625e-01, -8.66699219e-03,
        -1.31835938e-01, -2.15820312e-01,  2.24609375e-01,  8.05664062e-03,
        -1.34887695e-02,  5.32226562e-02, -6.88476562e-02, -8.39843750e-02,
         1.37695312e-01, -3.11279297e-02, -2.08007812e-01, -9.22851562e-02,
        -7.56835938e-02,  2.55859375e-01, -1.10839844e-01, -5.71289062e-02,
         6.07910156e-02,  7.27539062e-02,  3.29589844e-02, -2.77343750e-01,
         1.86523438e-01,  4.22363281e-02,  2.37304688e-01,  7.86132812e-02,
        -8.05664062e-03,  5.11718750e-01,  4.57763672e-03, -9.52148438e-03,
         3.80859375e-01, -3.22265625e-02,  1.44531250e-01,  3.61328125e-01,
         1.52343750e-01,  8.49609375e-02, -7.44628906e-03, -8.83789062e-02,
         2.53906250e-01, -3.29589844e-02,  1.93359375e-01, -5.93261719e-0
2],
       dtype=float32),
 'corporate': array([-6.68945312e-02,  5.90820312e-02, -2.31445312e-01,  1.
01562500e-01,
        -1.09863281e-01, -1.59179688e-01,  1.52343750e-01,  1.02539062e-01,
         6.88476562e-02,  2.40478516e-02,  1.16577148e-02,  1.07910156e-01,
         2.38037109e-02, -1.16577148e-02, -1.58203125e-01,  9.08203125e-02,
         1.83593750e-01,  1.80664062e-01, -6.39648438e-02,  8.49609375e-02,
        -1.05468750e-01,  2.07519531e-02,  7.69042969e-03, -1.42578125e-01,
         2.08007812e-01,  1.40625000e-01, -8.05664062e-03,  1.28906250e-01,
         6.54296875e-02, -5.54199219e-02,  2.39257812e-01, -8.88671875e-02,
        -4.02832031e-02, -7.51953125e-02, -1.19018555e-02, -7.56835938e-02,
         2.26562500e-01,  3.38745117e-03,  3.55468750e-01, -1.78222656e-02,
         1.59179688e-01,  1.33789062e-01,  1.40625000e-01,  8.98437500e-02,
        -9.58251953e-03, -9.27734375e-02,  3.32031250e-02,  2.36328125e-01,
         1.10351562e-01,  2.39257812e-01,  1.03027344e-01, -1.45874023e-02,
         8.00781250e-02,  2.02148438e-01,  5.27343750e-02,  1.96289062e-01,
        -1.31835938e-01, -8.74023438e-02,  2.16796875e-01, -1.83105469e-02,
```

```
        -2.10937500e-01, -3.44238281e-02, -1.17675781e-01,  1.33789062e-01,
        -2.39257812e-02, -2.36328125e-01,  3.85742188e-02,  1.25000000e-01,
         1.16699219e-01,  4.12597656e-02,  9.94873047e-03,  6.73828125e-02,
         2.31445312e-01, -1.66015625e-02, -7.59887695e-03, -1.56250000e-02,
         3.24707031e-02,  2.49023438e-01,  7.32421875e-02, -1.73828125e-01,
        -1.22558594e-01, -2.33154297e-02, -3.71093750e-02,  2.06298828e-02,
         3.17382812e-02, -1.19628906e-01, -2.13867188e-01,  3.54003906e-02,
        -2.68936157e-04,  1.22558594e-01,  1.49414062e-01, -1.63085938e-01,
        -9.91210938e-02, -4.85839844e-02, -4.24804688e-02, -2.15820312e-01,
         9.86328125e-02,  9.08203125e-02,  8.05664062e-02,  1.59179688e-01,
        -1.01074219e-01, -7.51953125e-02,  2.35351562e-01,  2.92968750e-02,
         2.50000000e-01, -7.81250000e-02, -4.12597656e-02,  1.87500000e-01,
         4.37011719e-02, -1.73828125e-01, -1.19140625e-01, -7.86132812e-02,
        -3.06640625e-01,  1.01928711e-02,  1.62109375e-01, -7.08007812e-02,
        -5.20019531e-02,  8.93554688e-02,  4.27734375e-01,  3.14453125e-01,
        -1.21093750e-01, -2.59765625e-01, -1.81884766e-02,  1.92382812e-01,
         1.75781250e-01, -1.54418945e-02,  9.32617188e-02, -8.34960938e-02,
         3.26171875e-01,  2.29492188e-02, -7.81250000e-02,  9.13085938e-02,
        -1.58691406e-02, -1.94335938e-01, -3.66210938e-02, -9.81445312e-02,
        -5.98144531e-02, -8.30078125e-02,  2.38281250e-01, -8.69140625e-02,
         7.56835938e-02, -1.83593750e-01,  7.51953125e-02,  7.61718750e-02,
         4.46777344e-02, -7.95898438e-02,  1.33789062e-01,  1.07910156e-01,
         8.30078125e-02, -1.33789062e-01,  3.68652344e-02,  5.76171875e-02,
        -2.69531250e-01,  9.86328125e-02, -2.63671875e-01,  8.05664062e-02,
         1.94091797e-02, -1.20605469e-01,  3.58886719e-02, -1.79687500e-01,
         3.36914062e-02, -1.02050781e-01, -4.44335938e-02,  1.42578125e-01,
         1.04003906e-01,  2.77099609e-02, -1.40625000e-01, -2.08984375e-01,
         5.12695312e-02,  5.93261719e-02, -2.21679688e-01, -3.00781250e-01,
         3.51562500e-01, -4.22363281e-02,  1.26953125e-01, -1.83105469e-02,
        -2.09960938e-02,  6.54296875e-02, -2.62451172e-02, -1.49414062e-01,
        -1.38671875e-01, -3.56445312e-02, -1.16210938e-01, -2.14843750e-01,
         4.68750000e-02,  9.08203125e-02,  1.37939453e-02,  1.46484375e-01,
         2.53906250e-01,  9.13085938e-02, -7.51953125e-02, -1.12792969e-01,
        -1.11816406e-01, -2.06054688e-01, -1.42578125e-01,  1.37695312e-01,
        -6.78710938e-02,  2.64892578e-02,  2.23632812e-01, -1.33789062e-01,
         8.54492188e-02,  5.98144531e-02,  1.61132812e-01, -5.54199219e-02,
        -7.61718750e-02,  9.37500000e-02,  3.14941406e-02,  7.71484375e-02,
        -1.51367188e-01, -4.66308594e-02,  2.71606445e-03, -1.27929688e-01,
         3.44238281e-02,  2.48046875e-01,  1.47460938e-01,  2.13867188e-01,
        -1.38671875e-01,  1.62109375e-01, -2.87109375e-01, -2.72216797e-02,
        -3.30078125e-01, -5.71289062e-02,  7.32421875e-02, -8.42285156e-03,
        -1.18164062e-01,  8.98437500e-02,  8.05664062e-02,  3.93066406e-02,
         4.24804688e-02, -1.99218750e-01, -5.20019531e-02, -7.99560547e-03,
        -9.39941406e-03, -2.20703125e-01,  8.34960938e-02,  6.78710938e-02,
         2.21679688e-01, -5.85937500e-02,  9.13085938e-02,  4.15039062e-02,
         2.27539062e-01, -1.61132812e-01, -7.95898438e-02, -1.85546875e-02,
         2.19726562e-01, -1.00097656e-01, -1.60156250e-01,  4.68750000e-02,
        -1.35742188e-01, -8.97216797e-03, -2.33398438e-01,  1.06933594e-01,
        -3.00292969e-02, -2.00195312e-02, -1.59179688e-01, -1.60156250e-01,
        -1.40625000e-01,  3.10546875e-01,  5.71289062e-02,  5.27343750e-02,
        -3.24707031e-02,  7.66601562e-02,  1.19018555e-02,  8.25195312e-02,
        -2.33398438e-01,  2.86865234e-02, -6.93359375e-02,  3.01513672e-02,
        -9.76562500e-02, -9.81445312e-02, -1.48437500e-01, -1.61132812e-02,
        -1.07421875e-01, -3.06640625e-01, -1.02050781e-01, -4.34570312e-02,
        -5.76171875e-02, -2.52685547e-02,  2.65625000e-01,  6.88476562e-02,
        -1.42578125e-01, -3.10546875e-01,  1.06201172e-02, -1.08886719e-01,
        -7.95898438e-02,  2.47070312e-01,  6.83593750e-03, -1.64794922e-02,
         1.11816406e-01,  1.35742188e-01, -1.94335938e-01,  2.18505859e-02,
        -1.43432617e-02,  1.42578125e-01, -1.22558594e-01, -2.61718750e-01,
         2.71484375e-01,  1.10839844e-01,  3.47900391e-03, -6.49414062e-0
2],
       dtype=float32),
 'analytics': array([ 2.63671875e-01, -2.79296875e-01,  1.07421875e-02, -1.
35742188e-01,
```

```
-7.61718750e-02, -7.47070312e-02,  4.21142578e-03, -6.07910156e-02,
 2.48046875e-01, -3.16406250e-01, -3.58886719e-02, -1.02539062e-01,
-8.48770142e-05,  3.22265625e-01,  4.78515625e-02, -3.24218750e-01,
 3.84765625e-01,  6.73828125e-02, -2.45117188e-01, -2.23632812e-01,
-3.06640625e-01, -8.34960938e-02, -1.00097656e-01,  3.12500000e-01,
 7.95898438e-02, -1.57470703e-02,  1.60156250e-01,  1.83593750e-01,
-3.65234375e-01, -2.81250000e-01, -2.13867188e-01,  3.32031250e-01,
-3.75000000e-01,  1.16699219e-01, -1.25000000e-01,  3.90625000e-02,
-2.73437500e-02,  2.07519531e-02,  3.12500000e-01,  4.29687500e-02,
-9.03320312e-02, -1.17675781e-01,  9.37500000e-02,  1.08398438e-01,
 1.09863281e-01, -1.21582031e-01, -2.91015625e-01, -4.25781250e-01,
 9.86328125e-02,  1.47460938e-01,  4.60815430e-03,  5.41992188e-02,
-3.55468750e-01, -1.56250000e-01, -4.56542969e-02,  2.25585938e-01,
 9.91210938e-02, -1.06048584e-03,  3.59375000e-01, -3.14453125e-01,
 5.40161133e-03, -1.15722656e-01, -1.57226562e-01,  1.79290771e-03,
-5.70312500e-01,  4.41406250e-01, -1.16210938e-01,  2.21679688e-01,
 3.53515625e-01, -5.35156250e-01,  8.54492188e-02, -4.63867188e-02,
 2.65625000e-01,  1.12792969e-01,  1.71875000e-01, -2.51953125e-01,
 3.47656250e-01, -4.05273438e-02,  7.51953125e-02, -2.21679688e-01,
 1.53198242e-02,  4.64843750e-01,  3.22265625e-02,  8.10546875e-02,
 3.63281250e-01, -2.44140625e-01, -1.37695312e-01,  2.71484375e-01,
-1.35742188e-01, -9.96093750e-02,  2.35351562e-01, -5.35156250e-01,
-6.13281250e-01,  2.89062500e-01, -5.19531250e-01, -2.47070312e-01,
-1.07421875e-02, -7.32421875e-02,  2.83203125e-01, -1.57226562e-01,
 7.56835938e-02, -1.70898438e-01, -1.43554688e-01, -2.51953125e-01,
-4.71191406e-02,  2.01171875e-01, -3.24218750e-01,  2.89062500e-01,
-5.34667969e-02, -2.18750000e-01,  7.95898438e-02,  1.06201172e-02,
-6.64062500e-02,  1.52343750e-01,  2.83203125e-01,  4.88281250e-02,
-1.01562500e-01, -1.04492188e-01,  3.49609375e-01, -7.22656250e-02,
-8.69140625e-02,  1.34765625e-01, -2.65625000e-01,  1.66992188e-01,
 2.57812500e-01, -1.89453125e-01, -1.34765625e-01,  3.61328125e-01,
 5.12695312e-02,  1.23535156e-01, -4.02343750e-01, -1.25976562e-01,
 1.05957031e-01, -1.57226562e-01, -3.18359375e-01, -1.50390625e-01,
 3.08593750e-01,  2.47802734e-02,  1.76757812e-01,  2.28271484e-02,
 1.23535156e-01, -4.88281250e-01,  9.17968750e-02,  1.24931335e-04,
-2.59765625e-01, -3.02734375e-01,  1.88476562e-01, -1.05957031e-01,
 4.37011719e-02, -1.56250000e-01, -1.36718750e-01,  1.50390625e-01,
-7.56835938e-02,  7.42187500e-02,  7.95898438e-02, -1.76757812e-01,
 2.22656250e-01,  2.48046875e-01, -3.68652344e-02, -2.48046875e-01,
-2.61718750e-01, -1.36718750e-01, -9.91210938e-02,  1.63085938e-01,
-6.88476562e-02, -3.61328125e-02,  1.56250000e-01, -7.27539062e-02,
-3.12500000e-01, -3.56445312e-02, -8.83789062e-02, -1.81640625e-01,
-3.12500000e-02,  2.30468750e-01,  1.66015625e-01, -8.93554688e-02,
 1.84570312e-01,  4.48608398e-03, -2.46093750e-01, -2.41210938e-01,
-9.37500000e-02, -2.05078125e-01,  2.08007812e-01, -1.17675781e-01,
 8.64257812e-02,  2.50244141e-03, -2.27539062e-01,  5.07812500e-01,
-4.88281250e-02,  2.61230469e-02, -5.35156250e-01, -1.76757812e-01,
-2.56347656e-02, -2.21679688e-01, -3.35937500e-01,  1.77734375e-01,
 2.65625000e-01, -4.84375000e-01, -1.26953125e-01, -2.22656250e-01,
-2.75390625e-01, -2.83203125e-01, -1.00585938e-01, -4.88281250e-02,
-7.66601562e-02,  2.24609375e-02,  2.79296875e-01,  7.11059570e-03,
 2.87109375e-01, -3.37890625e-01,  3.44238281e-02, -1.08886719e-01,
-1.77734375e-01, -1.81640625e-01, -2.01171875e-01,  6.10351562e-02,
 2.73437500e-01,  1.60156250e-01,  3.93066406e-02, -6.83593750e-02,
-4.00390625e-01,  1.86523438e-01,  1.58203125e-01, -5.31250000e-01,
-1.10839844e-01,  3.61328125e-02,  2.83203125e-01,  6.62231445e-03,
 9.64355469e-03, -8.34960938e-02, -7.17773438e-02, -2.55859375e-01,
 1.00097656e-01, -5.17578125e-02, -2.71484375e-01, -3.05175781e-02,
-3.12500000e-01, -1.49414062e-01,  2.77099609e-02,  7.51495361e-04,
 2.29492188e-01, -4.83398438e-02, -1.67968750e-01, -1.11694336e-02,
-1.81640625e-01, -3.82812500e-01, -1.03515625e-01,  5.03906250e-01,
 6.73828125e-02, -7.18750000e-01,  8.00781250e-02, -8.39843750e-02,
-2.40234375e-01,  2.07031250e-01, -3.17382812e-02, -1.30859375e-01,
-5.78613281e-02, -2.59765625e-01, -3.16406250e-01, -2.24609375e-01,
```

```
         1.70898438e-01, -1.23046875e-01,  1.02539062e-01,  3.43750000e-01,
        -1.58203125e-01, -3.02734375e-01,  1.59179688e-01, -1.62109375e-01,
        -2.08007812e-01, -2.00195312e-02, -1.81640625e-01,  3.39843750e-01,
        -1.65039062e-01, -1.38671875e-01,  1.28906250e-01,  1.44653320e-02,
        -5.05371094e-02,  3.49609375e-01,  2.21679688e-01, -4.24804688e-02,
        -6.64062500e-01, -1.63085938e-01,  3.72314453e-03,  1.23535156e-01,
        -4.08203125e-01, -4.68750000e-02, -2.40234375e-01,  4.02343750e-01,
         1.31835938e-01,  1.29882812e-01,  1.14257812e-01,  2.44140625e-01,
        -1.51367188e-01,  2.53906250e-01,  1.72851562e-01, -2.31933594e-02,
         3.12500000e-01, -6.25000000e-02, -1.09863281e-01, -3.63769531e-0
2],
       dtype=float32),
 'cross': array([-0.03442383,  0.12695312, -0.00927734,  0.1015625 , -0.349
60938,
        -0.18847656, -0.0703125 , -0.07470703, -0.05883789, -0.08544922,
         0.06591797, -0.12792969, -0.01153564,  0.15136719,  0.03662109,
        -0.07861328, -0.21191406,  0.19042969, -0.08203125, -0.23632812,
         0.1640625 ,  0.11767578, -0.28320312,  0.171875  ,  0.22558594,
         0.02819824, -0.12207031, -0.20996094,  0.1484375 , -0.13867188,
        -0.13574219, -0.05102539,  0.21191406,  0.03320312,  0.11425781,
         0.00205994,  0.01940918, -0.27734375, -0.08837891,  0.28125   ,
        -0.25390625, -0.22070312,  0.23535156, -0.28710938, -0.10986328,
         0.02026367, -0.02929688,  0.11767578,  0.20507812,  0.07177734,
         0.16308594,  0.16992188,  0.0279541 ,  0.06054688, -0.14746094,
         0.09619141,  0.20410156, -0.06176758,  0.01300049,  0.12207031,
         0.05834961, -0.30859375, -0.0324707 , -0.02709961,  0.06396484,
        -0.01733398, -0.07714844, -0.07324219, -0.2578125 ,  0.12792969,
        -0.06152344, -0.08837891,  0.20703125, -0.17871094,  0.07080078,
        -0.10351562, -0.19335938,  0.06396484, -0.2421875 ,  0.2109375 ,
        -0.20019531, -0.04272461,  0.14453125,  0.01556396,  0.18652344,
         0.02990723, -0.33789062, -0.03588867,  0.07470703,  0.17773438,
        -0.25390625, -0.125     , -0.10400391,  0.19335938,  0.05639648,
        -0.203125  , -0.00370789,  0.11865234, -0.11669922,  0.0859375 ,
        -0.12792969, -0.24902344,  0.21289062, -0.01324463,  0.24121094,
        -0.10791016, -0.27539062, -0.13867188,  0.13183594,  0.02502441,
        -0.20703125,  0.10839844, -0.11132812, -0.0213623 , -0.04467773,
         0.14257812, -0.125     ,  0.06054688, -0.03063965,  0.15234375,
         0.00273132,  0.0378418 , -0.05200195,  0.16601562,  0.07080078,
        -0.15429688, -0.30859375,  0.07861328,  0.1328125 ,  0.15625   ,
        -0.17871094,  0.14160156,  0.14648438, -0.22070312,  0.203125  ,
        -0.06347656,  0.04833984,  0.22167969,  0.09912109,  0.00396729,
        -0.15136719, -0.11132812,  0.32617188,  0.22070312, -0.21679688,
         0.06933594, -0.00671387, -0.17480469, -0.0456543 ,  0.10449219,
        -0.05639648,  0.02709961, -0.25976562,  0.22753906, -0.06542969,
        -0.08496094,  0.03442383,  0.11523438,  0.09423828, -0.11376953,
        -0.2421875 ,  0.00185394,  0.13183594, -0.13476562, -0.08105469,
         0.1953125 ,  0.41796875, -0.27929688, -0.33789062,  0.21484375,
         0.02282715,  0.04467773, -0.14453125, -0.40234375,  0.29101562,
         0.04736328,  0.18164062, -0.16503906, -0.18066406,  0.16796875,
        -0.03125   , -0.08154297, -0.22851562,  0.24707031, -0.08837891,
         0.0177002 ,  0.09570312, -0.0625    , -0.04248047,  0.31445312,
         0.13476562, -0.36328125,  0.01818848, -0.13183594,  0.16210938,
         0.02636719, -0.07958984,  0.14453125, -0.19238281,  0.02514648,
         0.02636719, -0.19042969,  0.16503906, -0.078125  ,  0.19433594,
         0.00482178,  0.09912109,  0.15527344, -0.04174805,  0.17871094,
        -0.2734375 , -0.15917969, -0.15625   ,  0.13085938, -0.20507812,
        -0.18359375,  0.18652344, -0.07226562, -0.09814453,  0.10546875,
        -0.26171875, -0.2109375 ,  0.18554688, -0.0859375 ,  0.04003906,
         0.02502441,  0.26757812,  0.16894531,  0.1171875 ,  0.16210938,
         0.11962891,  0.08007812, -0.28125   ,  0.03051758, -0.10644531,
         0.03369141, -0.00732422,  0.03881836,  0.24316406, -0.006073  ,
        -0.03466797, -0.2421875 , -0.00049973, -0.12890625,  0.01782227,
         0.0546875 , -0.18164062,  0.03173828,  0.08837891, -0.0378418 ,
         0.09912109, -0.05322266,  0.12597656,  0.24902344,  0.16796875,
```

```
         0.19140625,  0.1640625 , -0.13671875,  0.05932617,  0.17382812,
         0.01196289,  0.01141357,  0.16699219,  0.0559082 ,  0.22753906,
        -0.01647949,  0.11181641,  0.10205078,  0.07373047, -0.08105469,
         0.08447266,  0.04541016,  0.03808594,  0.15722656,  0.20898438,
        -0.21875   , -0.22265625, -0.40625   ,  0.20410156,  0.20800781,
         0.09521484,  0.1796875 , -0.19726562,  0.20117188, -0.04101562,
         0.20605469, -0.33789062,  0.1640625 , -0.13183594,  0.16992188,
        -0.03393555,  0.01635742,  0.02148438,  0.23828125,  0.18261719,
         0.11621094,  0.38671875,  0.03466797, -0.23046875,  0.0300293 ],
       dtype=float32),
 'reporting': array([-0.17285156, -0.00915527, -0.28125   , -0.02978516,
0.04931641,
         0.03369141,  0.17773438,  0.07568359,  0.15820312,  0.13671875,
        -0.09667969, -0.05053711, -0.07080078,  0.19238281,  0.01361084,
        -0.22070312, -0.15332031, -0.07373047, -0.26171875, -0.328125  ,
         0.08642578, -0.1015625 , -0.04980469, -0.12597656,  0.30664062,
         0.22363281,  0.02758789,  0.06152344, -0.05029297,  0.23339844,
        -0.02770996, -0.27929688, -0.04394531, -0.0612793 , -0.05859375,
        -0.01257324, -0.04101562,  0.09521484,  0.22363281,  0.29296875,
         0.11767578, -0.18164062, -0.09814453, -0.01501465,  0.18164062,
         0.04833984, -0.08251953,  0.00698853,  0.01141357,  0.07763672,
         0.22363281, -0.24707031, -0.19335938,  0.08056641, -0.00250244,
         0.21972656,  0.10742188,  0.05322266,  0.12451172, -0.11572266,
        -0.02172852, -0.01977539, -0.21972656, -0.265625  ,  0.01867676,
         0.26367188, -0.01043701,  0.01989746,  0.11572266, -0.140625  ,
         0.17089844,  0.1328125 ,  0.078125  , -0.12597656,  0.04443359,
         0.13769531,  0.17382812, -0.140625  ,  0.02819824, -0.0234375 ,
        -0.0559082 ,  0.17382812, -0.00744629,  0.10693359, -0.10107422,
        -0.171875  ,  0.14550781, -0.25390625, -0.09082031, -0.19335938,
         0.36914062, -0.09960938, -0.1171875 , -0.06884766,  0.02453613,
        -0.05053711, -0.06005859, -0.04174805,  0.3125    , -0.00799561,
         0.08544922, -0.07470703,  0.1484375 , -0.28125   ,  0.171875  ,
        -0.0213623 , -0.0402832 , -0.11279297,  0.08740234, -0.3203125 ,
         0.06152344, -0.10351562, -0.21484375, -0.26171875, -0.31835938,
         0.02478027, -0.05932617,  0.23242188,  0.19140625,  0.171875  ,
        -0.17871094,  0.12158203, -0.09863281,  0.21289062,  0.20703125,
         0.0625    ,  0.03637695,  0.09716797, -0.0177002 ,  0.14746094,
        -0.2578125 , -0.33398438, -0.2578125 , -0.12060547, -0.16503906,
        -0.12988281,  0.18457031, -0.00205994,  0.14257812,  0.05810547,
        -0.09179688,  0.00933838, -0.13867188,  0.07080078,  0.05908203,
        -0.19726562,  0.12695312, -0.20019531, -0.0025177 ,  0.2734375 ,
         0.18066406,  0.04199219, -0.0324707 ,  0.11572266,  0.13671875,
        -0.16699219,  0.06298828, -0.03662109, -0.12988281,  0.12988281,
         0.02832031,  0.27929688, -0.18554688,  0.09375   , -0.19628906,
         0.06738281,  0.15429688, -0.11572266,  0.00279236, -0.0039978 ,
         0.07324219, -0.23730469, -0.07763672, -0.11279297, -0.0390625 ,
        -0.03662109,  0.171875  , -0.15625   , -0.15527344, -0.24023438,
        -0.00318909, -0.02075195,  0.07910156, -0.19726562,  0.13867188,
         0.03588867, -0.40820312, -0.11767578,  0.11572266,  0.06738281,
        -0.06445312, -0.11425781,  0.09277344, -0.11523438, -0.09326172,
         0.07763672,  0.03881836, -0.03198242,  0.15332031, -0.16992188,
         0.06103516,  0.04052734, -0.04370117, -0.12402344, -0.09765625,
         0.11181641, -0.12060547,  0.20019531,  0.15429688, -0.12597656,
         0.16699219,  0.30859375,  0.18261719,  0.15332031, -0.05273438,
         0.06396484,  0.03857422,  0.17480469, -0.0390625 , -0.34765625,
        -0.00515747,  0.13671875,  0.07714844, -0.13085938,  0.05224609,
        -0.02905273,  0.17089844,  0.15917969, -0.02392578, -0.18359375,
         0.01507568,  0.04980469,  0.14941406,  0.10302734,  0.03125   ,
        -0.06689453,  0.12255859, -0.01251221,  0.10742188,  0.00187683,
         0.02429199, -0.04248047,  0.00233459, -0.02319336, -0.13183594,
        -0.03735352,  0.13476562,  0.24316406, -0.04272461, -0.16015625,
        -0.00260925,  0.07666016, -0.08105469,  0.09716797, -0.19726562,
        -0.28515625,  0.0390625 ,  0.08300781,  0.07128906,  0.17089844,
         0.30078125, -0.03686523,  0.15136719,  0.20410156, -0.01379395,
```

```
         0.00836182, -0.01373291, -0.03125   , -0.20214844,  0.14257812,
         0.12207031, -0.00701904,  0.03320312, -0.16601562,  0.01794434,
        -0.13085938, -0.04467773,  0.13671875,  0.04003906, -0.03466797,
        -0.31835938, -0.06689453,  0.10546875, -0.11962891,  0.12011719,
        -0.00717163, -0.09570312, -0.0546875 ,  0.14941406,  0.02453613,
         0.08349609,  0.00108337,  0.06542969,  0.18847656,  0.05126953,
        -0.25390625,  0.06640625,  0.05908203,  0.17578125,  0.07177734],
       dtype=float32),
 'ad': array([ 4.00390625e-01, -2.03125000e-01, -1.99218750e-01,  6.1035156
2e-02,
        -1.64031982e-03,  9.57031250e-02,  2.06298828e-02,  7.32421875e-02,
         2.73437500e-01,  6.01196289e-03, -9.66796875e-02,  1.44042969e-02,
         3.89099121e-03, -1.50756836e-02, -2.98828125e-01,  1.41601562e-01,
        -6.10351562e-02,  3.12500000e-01, -4.76074219e-02, -6.54296875e-02,
         6.10351562e-02,  1.34765625e-01, -1.50390625e-01, -3.32031250e-02,
        -1.13281250e-01,  1.19140625e-01,  1.14746094e-01,  2.75390625e-01,
         9.66796875e-02,  4.85839844e-02, -3.51562500e-01,  7.17773438e-02,
        -3.14453125e-01,  1.86523438e-01,  4.25781250e-01, -1.01562500e-01,
         1.02050781e-01,  4.10156250e-01,  4.74609375e-01,  7.91015625e-02,
         2.52685547e-02, -1.52343750e-01,  1.04980469e-01,  1.27929688e-01,
        -4.80468750e-01,  1.21093750e-01,  2.56347656e-02,  1.56250000e-01,
         2.75390625e-01,  1.60156250e-01,  1.14135742e-02, -2.31933594e-02,
        -2.03125000e-01, -1.11328125e-01, -1.06445312e-01, -1.85546875e-01,
         1.80664062e-01,  1.89208984e-02,  3.27148438e-02,  1.59179688e-01,
         1.18652344e-01,  3.08593750e-01, -5.00000000e-01,  2.84423828e-02,
        -2.91015625e-01,  8.78906250e-02, -1.11328125e-01, -3.04687500e-01,
         2.75390625e-01,  1.21093750e-01, -1.53320312e-01,  1.52343750e-01,
        -1.98242188e-01, -7.03125000e-02,  3.10058594e-02,  1.91406250e-01,
         4.82421875e-01,  1.03515625e-01, -8.15429688e-02, -1.17187500e-02,
         1.54296875e-01,  1.10473633e-02,  8.54492188e-02, -1.48437500e-01,
        -1.33789062e-01,  1.66992188e-01,  1.05957031e-01,  2.48046875e-01,
         3.12500000e-01, -3.73535156e-02,  8.83789062e-02, -5.93261719e-02,
        -1.85546875e-01,  5.17578125e-02,  8.48388672e-03, -2.38037109e-02,
         3.71093750e-02, -2.59765625e-01,  3.76953125e-01,  2.10937500e-01,
        -1.59179688e-01,  4.49218750e-02,  1.25000000e-01, -5.46875000e-02,
         2.55859375e-01, -2.44140625e-01,  4.29687500e-02, -2.60009766e-02,
        -1.49414062e-01, -1.06201172e-02, -2.65625000e-01,  2.68554688e-02,
        -9.32617188e-02, -2.68554688e-02,  3.28125000e-01, -2.91015625e-01,
        -4.63867188e-02, -1.69921875e-01,  1.18652344e-01, -3.27148438e-02,
         2.24609375e-02, -8.20312500e-02, -6.88476562e-02,  2.41210938e-01,
         5.56640625e-02, -1.34887695e-02,  4.14062500e-01,  2.91748047e-02,
         4.43359375e-01, -9.17968750e-02, -1.32812500e-01, -1.06201172e-02,
        -1.46484375e-01, -1.65039062e-01, -1.66992188e-01,  1.09863281e-02,
         8.83789062e-02, -8.64257812e-02,  3.28125000e-01, -1.03515625e-01,
         8.98437500e-02, -2.63671875e-01, -1.63085938e-01, -4.10156250e-02,
         1.62353516e-02, -1.64062500e-01,  3.08593750e-01, -2.96875000e-01,
        -1.52343750e-01,  3.68652344e-02,  6.98242188e-02,  2.87109375e-01,
         3.33984375e-01, -2.81250000e-01,  3.41796875e-01, -2.05078125e-01,
        -2.02148438e-01,  1.48437500e-01,  2.34375000e-01, -7.66601562e-02,
        -4.12109375e-01, -6.78710938e-02,  1.53320312e-01,  1.96289062e-01,
         1.96289062e-01, -1.00097656e-02,  2.11914062e-01, -1.48437500e-01,
         1.00585938e-01,  1.20117188e-01,  4.51660156e-02, -7.32421875e-02,
        -1.41601562e-02, -2.12890625e-01, -2.71484375e-01,  2.08984375e-01,
         5.03906250e-01, -5.46875000e-02, -1.03027344e-01, -5.12695312e-02,
         9.17968750e-02, -3.73046875e-01, -3.32031250e-01,  3.02734375e-02,
         6.49414062e-02, -1.88476562e-01, -2.35351562e-01,  1.29882812e-01,
        -1.23535156e-01, -2.41210938e-01,  1.18652344e-01, -1.57226562e-01,
         1.09252930e-02,  1.38671875e-01, -1.24023438e-01,  1.31835938e-01,
         7.51953125e-02, -2.41210938e-01,  2.77343750e-01,  7.76367188e-02,
        -1.06933594e-01,  3.18359375e-01,  4.73632812e-02,  4.12597656e-02,
         4.10156250e-02,  1.17675781e-01,  6.44531250e-02, -2.27539062e-01,
        -3.90625000e-02,  9.61914062e-02, -2.65625000e-01,  1.62109375e-01,
        -4.31640625e-01, -8.10546875e-02,  5.27343750e-02, -3.29589844e-02,
         2.33398438e-01,  3.01513672e-02, -2.50000000e-01, -1.96289062e-01,
```

```
         1.10351562e-01,  2.17773438e-01,  2.44140625e-01,  2.05078125e-02,
         1.04492188e-01,  1.95312500e-01,  5.73730469e-03, -1.92382812e-01,
         9.91210938e-02,  8.78906250e-02,  3.39355469e-02, -4.83398438e-02,
         9.71679688e-02, -1.42822266e-02, -1.26953125e-01,  1.70898438e-01,
         2.41210938e-01,  9.13085938e-02,  1.30859375e-01,  7.61718750e-02,
        -1.00097656e-02, -3.24707031e-02,  4.24804688e-02, -2.31445312e-01,
        -1.51367188e-01, -2.08740234e-02, -1.24023438e-01,  4.29687500e-01,
        -1.96289062e-01,  2.10937500e-01,  5.73730469e-02, -3.49044800e-04,
        -4.70703125e-01, -5.81054688e-02, -3.85742188e-02, -2.09960938e-01,
         1.31835938e-01, -7.91015625e-02, -1.43432617e-02, -3.84765625e-01,
        -5.81054688e-02,  1.41601562e-01,  1.40625000e-01,  1.68945312e-01,
        -2.92968750e-02,  2.17773438e-01, -3.61328125e-01, -1.02539062e-01,
        -1.09375000e-01,  2.92968750e-01,  6.49414062e-02,  2.20703125e-01,
         6.64062500e-02, -2.30468750e-01,  1.26953125e-01, -1.72851562e-01,
         1.33666992e-02,  1.64062500e-01,  3.30078125e-01,  1.17675781e-01,
        -9.57031250e-02,  1.07421875e-01,  6.71386719e-04,  2.59765625e-01,
        -7.27539062e-02, -2.00195312e-01, -3.36914062e-02,  9.13085938e-02,
         2.28515625e-01, -1.72851562e-01,  2.08007812e-01, -1.97265625e-01,
        -2.49023438e-01, -3.22265625e-01,  6.25000000e-02, -1.29882812e-01,
         1.53320312e-01,  2.18505859e-02, -1.06933594e-01, -3.83300781e-0
2],
       dtype=float32),
 'hoc': array([-2.62451172e-02, -9.03320312e-02, -1.61132812e-01,  7.226562
50e-02,
        -2.33398438e-01,  4.73022461e-03,  1.87500000e-01, -4.54711914e-03,
         1.61132812e-01,  1.95312500e-01, -1.48437500e-01, -1.74804688e-01,
        -2.50000000e-01,  2.53906250e-01, -1.05957031e-01,  3.14453125e-01,
         6.34765625e-02,  3.12500000e-02,  7.95898438e-02, -3.69140625e-01,
         2.41699219e-02, -5.88989258e-03,  7.66601562e-02,  4.69970703e-03,
        -6.93359375e-02,  5.32226562e-02, -3.98437500e-01, -6.73828125e-02,
        -1.95312500e-01,  9.57031250e-02,  1.45507812e-01, -1.39648438e-01,
         2.92968750e-01, -2.57812500e-01, -1.84570312e-01, -8.05664062e-02,
        -8.44726562e-02,  2.50000000e-01,  2.94921875e-01, -2.47070312e-01,
        -3.22265625e-02, -2.36328125e-01,  2.99072266e-02,  8.74023438e-02,
         1.03027344e-01, -7.03125000e-02,  1.07421875e-01, -1.05468750e-01,
        -4.02343750e-01,  1.25976562e-01, -3.00781250e-01, -1.04980469e-01,
        -8.44726562e-02,  1.14257812e-01,  3.85742188e-02,  3.06640625e-01,
        -1.28906250e-01, -2.57812500e-01, -5.15136719e-02, -2.85156250e-01,
        -1.93359375e-01,  1.32812500e-01,  8.88671875e-02, -9.52148438e-03,
        -1.24023438e-01, -4.33593750e-01,  5.32226562e-02, -1.73828125e-01,
        -1.67236328e-02, -1.47094727e-02,  7.95898438e-02,  2.79296875e-01,
         2.07519531e-02, -1.06445312e-01,  2.83203125e-01, -1.72851562e-01,
         1.38671875e-01,  2.71484375e-01,  5.51757812e-02, -6.64062500e-02,
        -2.65625000e-01, -9.71679688e-02,  4.46777344e-02,  1.12792969e-01,
        -1.13769531e-01,  1.38671875e-01,  1.61132812e-01,  1.59179688e-01,
         1.13769531e-01, -1.58203125e-01,  1.33789062e-01, -8.20312500e-02,
        -4.78515625e-02, -8.20312500e-02, -7.91015625e-02,  1.94335938e-01,
        -2.33154297e-02, -9.86328125e-02,  1.44531250e-01, -2.92968750e-01,
        -7.22656250e-02,  4.58984375e-02, -1.26953125e-01,  6.64062500e-02,
         1.09252930e-02,  1.29882812e-01, -2.22167969e-02,  1.17187500e-01,
         1.74804688e-01,  4.56542969e-02, -2.15820312e-01, -1.95312500e-01,
         1.12915039e-02, -9.27734375e-02,  1.51367188e-01,  2.37304688e-01,
         8.20312500e-02, -2.74658203e-02, -9.22851562e-02, -2.27050781e-02,
         2.49023438e-01, -2.42187500e-01, -1.54296875e-01, -5.56640625e-02,
         1.69921875e-01,  1.63085938e-01, -2.91015625e-01,  3.14941406e-02,
         1.64062500e-01,  1.49414062e-01, -3.32031250e-01,  1.18652344e-01,
         9.08203125e-02, -2.71484375e-01, -2.40234375e-01,  1.04492188e-01,
        -1.23046875e-01,  4.05273438e-02,  1.87500000e-01,  1.31835938e-01,
        -6.53076172e-03, -3.78906250e-01, -3.19824219e-02,  9.08203125e-02,
        -6.03027344e-02,  2.51953125e-01, -1.17675781e-01, -2.62451172e-02,
         1.64794922e-02, -2.49862671e-04,  2.92968750e-01, -2.08007812e-01,
         5.34667969e-02, -4.90722656e-02,  4.95605469e-02, -4.02343750e-01,
        -1.13769531e-01,  3.80859375e-01, -4.17480469e-02,  5.59082031e-02,
        -1.07421875e-01, -1.35742188e-01,  7.32421875e-02, -1.19140625e-01,
```

```
         1.75781250e-01, -2.05078125e-02,  1.81640625e-01,  2.49023438e-01,
        -9.27734375e-02,  2.63671875e-01, -2.17773438e-01, -5.85937500e-02,
        -7.66601562e-02, -2.49023438e-01,  8.05664062e-02,  1.15234375e-01,
         1.30859375e-01, -4.51171875e-01,  3.76953125e-01, -1.43554688e-01,
        -4.54101562e-02, -6.78710938e-02, -2.39257812e-01,  2.20703125e-01,
         1.58203125e-01,  2.77343750e-01, -2.96875000e-01, -4.71191406e-02,
         9.17968750e-02,  8.78906250e-03,  4.06250000e-01,  3.61328125e-02,
        -2.79296875e-01,  2.44140625e-01,  1.03027344e-01, -1.41601562e-01,
         8.54492188e-02, -1.17675781e-01, -6.59179688e-02,  1.31835938e-01,
        -6.88476562e-02,  8.98437500e-02, -4.71191406e-02, -1.66015625e-01,
        -2.45117188e-01, -2.51953125e-01,  2.03125000e-01,  2.07031250e-01,
        -1.61132812e-01,  1.50390625e-01,  5.98907471e-04, -2.55859375e-01,
        -9.91210938e-02, -1.87500000e-01, -1.08886719e-01, -2.20703125e-01,
         2.09960938e-01,  4.58984375e-02,  1.49414062e-01,  1.23535156e-01,
        -4.95605469e-02, -1.30859375e-01,  1.91650391e-02, -1.06933594e-01,
         7.61718750e-02, -5.02929688e-02, -6.34765625e-02,  2.16796875e-01,
        -2.29492188e-02, -1.57226562e-01,  1.16699219e-01, -1.04492188e-01,
         1.07910156e-01, -4.51660156e-02,  8.64257812e-02, -6.64062500e-02,
         5.63964844e-02,  4.02832031e-02,  2.28515625e-01,  6.88476562e-02,
        -1.59912109e-02,  1.05468750e-01,  1.96289062e-01,  3.22265625e-01,
        -1.25976562e-01, -5.68847656e-02, -6.73828125e-02,  4.04296875e-01,
        -2.30468750e-01,  6.73828125e-02, -1.65039062e-01,  2.27050781e-02,
         1.14746094e-02,  1.01074219e-01,  6.73828125e-02, -2.32421875e-01,
        -1.40625000e-01,  6.59179688e-02,  2.01171875e-01,  1.78710938e-01,
         3.32031250e-01,  2.45117188e-01,  2.51953125e-01, -2.03125000e-01,
        -2.48046875e-01, -1.79687500e-01,  1.01074219e-01,  1.36108398e-02,
        -4.95605469e-02, -2.77343750e-01, -3.97949219e-02,  1.25000000e-01,
         8.30078125e-03, -2.15820312e-01,  8.05664062e-02, -1.75781250e-01,
        -1.41601562e-01,  2.73437500e-02, -1.86523438e-01,  4.90234375e-01,
        -2.65625000e-01,  4.00390625e-02,  2.32421875e-01,  4.39453125e-02,
         9.96093750e-02, -1.18164062e-01,  1.78222656e-02, -9.17968750e-02,
        -1.11816406e-01,  1.74560547e-02,  1.29882812e-01,  9.27734375e-03,
        -1.53808594e-02,  1.70898438e-01, -1.86523438e-01, -2.63671875e-01,
         7.42187500e-02,  4.88281250e-03, -3.51562500e-01,  2.53906250e-0
1],
       dtype=float32),
 'span': array([-1.01074219e-01,  2.15820312e-01,  2.57568359e-02,  5.78613
281e-02,
         1.55273438e-01, -4.04296875e-01,  1.05468750e-01, -2.22656250e-01,
         1.50390625e-01,  2.45361328e-02, -1.33789062e-01,  5.32226562e-02,
        -4.39453125e-02,  2.44140625e-01,  1.60156250e-01, -1.76757812e-01,
        -5.59082031e-02, -1.21459961e-02,  1.77734375e-01, -5.15136719e-02,
        -2.19726562e-01, -1.83593750e-01, -3.02734375e-01,  3.22265625e-02,
         4.94384766e-03, -1.07421875e-02, -1.26953125e-01, -1.74560547e-02,
         8.98437500e-02,  4.73632812e-02, -1.58203125e-01, -5.05371094e-02,
        -7.12890625e-02,  3.72314453e-03,  1.53320312e-01, -1.11083984e-02,
        -9.76562500e-02, -8.74023438e-02,  6.49414062e-02,  2.33398438e-01,
         1.12792969e-01,  3.35937500e-01, -7.42187500e-02,  6.73828125e-02,
        -8.39843750e-02, -3.33984375e-01, -5.32226562e-02, -6.39648438e-02,
         7.32421875e-02,  1.77734375e-01,  5.21850586e-03, -1.40625000e-01,
        -3.36914062e-02,  5.98144531e-02, -6.29882812e-02,  3.08593750e-01,
         3.73535156e-02, -9.08203125e-02,  1.15234375e-01, -7.08007812e-02,
         2.49023438e-01,  2.34375000e-01,  2.50000000e-01, -2.43164062e-01,
         1.37695312e-01,  1.64031982e-03, -2.43164062e-01,  2.42187500e-01,
        -1.51367188e-01, -7.86132812e-02,  2.05078125e-02, -1.25976562e-01,
        -1.03515625e-01, -1.94335938e-01, -2.79296875e-01, -7.86132812e-02,
        -1.28906250e-01,  5.55419922e-03, -6.39648438e-02,  1.56250000e-01,
        -7.91015625e-02, -5.41992188e-02, -1.34765625e-01, -2.49023438e-01,
        -3.35937500e-01,  1.59179688e-01,  5.56640625e-02, -1.11328125e-01,
         1.00708008e-02, -1.93023682e-03, -2.83203125e-01,  3.01513672e-02,
        -1.39648438e-01,  2.14843750e-02, -2.30468750e-01, -2.34375000e-01,
        -3.07617188e-02, -5.20019531e-02, -7.27539062e-02,  3.88671875e-01,
         5.88989258e-03,  1.20605469e-01, -2.21679688e-01, -2.04101562e-01,
         1.17187500e-01, -1.37695312e-01,  3.09753418e-03,  9.22851562e-02,
```

```
         8.34960938e-02,  1.90429688e-02,  2.30468750e-01, -2.53906250e-01,
        -8.69140625e-02, -1.40625000e-01,  1.94335938e-01, -1.17187500e-01,
        -1.50390625e-01,  2.24609375e-01,  1.73828125e-01,  7.71484375e-02,
        -1.49414062e-01, -1.94335938e-01, -6.73828125e-02,  2.10937500e-01,
         7.17773438e-02, -1.74804688e-01,  8.97216797e-03,  1.90429688e-01,
        -1.44531250e-01,  2.42187500e-01,  1.29882812e-01,  5.66406250e-02,
         1.12304688e-01, -3.63281250e-01, -2.41210938e-01,  5.27343750e-02,
        -9.86328125e-02, -4.27246094e-03, -5.40161133e-03, -4.39453125e-02,
        -2.30468750e-01,  4.10156250e-02, -1.04003906e-01,  7.91015625e-02,
         9.13085938e-02, -1.19140625e-01,  6.98242188e-02,  9.57031250e-02,
        -1.91406250e-01, -7.81250000e-02,  2.03857422e-02, -2.28515625e-01,
        -3.61328125e-01, -6.40869141e-03, -3.45703125e-01,  9.82666016e-03,
        -6.98242188e-02, -1.05957031e-01, -1.41601562e-01, -2.83203125e-01,
        -1.09863281e-01,  2.08007812e-01,  1.22558594e-01, -1.50390625e-01,
        -2.23632812e-01,  1.79687500e-01, -2.26562500e-01, -1.16210938e-01,
         1.23291016e-02, -4.83398438e-02, -2.71484375e-01, -5.54199219e-02,
        -1.82617188e-01, -2.01171875e-01,  2.27539062e-01, -1.17675781e-01,
        -1.55273438e-01,  1.69921875e-01,  7.12890625e-02,  1.96533203e-02,
        -1.20117188e-01,  4.71191406e-02, -5.76171875e-02,  2.77343750e-01,
         3.17382812e-02,  5.12695312e-02,  7.27539062e-02,  2.62451172e-02,
         1.67968750e-01, -2.50244141e-02,  3.30078125e-01, -3.59375000e-01,
         2.33154297e-02,  9.03320312e-02, -1.81640625e-01,  8.30078125e-02,
         1.04492188e-01,  2.40234375e-01, -3.41796875e-01, -1.64062500e-01,
         7.65991211e-03, -2.05078125e-02,  1.35742188e-01,  1.02050781e-01,
         1.63085938e-01, -1.47460938e-01, -5.02929688e-02, -2.32421875e-01,
        -1.30859375e-01, -6.49414062e-02, -4.08203125e-01,  3.01513672e-02,
         1.34765625e-01, -1.58691406e-02, -6.98242188e-02, -3.85742188e-02,
         1.86523438e-01,  1.06933594e-01, -9.86328125e-02,  1.19628906e-02,
         2.29492188e-01, -8.83789062e-02, -1.19140625e-01, -1.55273438e-01,
         9.17968750e-02, -2.80761719e-02, -1.73828125e-01,  1.20605469e-01,
        -1.06445312e-01, -4.15039062e-02,  1.51367188e-01, -9.08203125e-02,
         9.66796875e-02, -5.32226562e-02, -1.84570312e-01, -1.80664062e-02,
        -1.10351562e-01, -1.07421875e-01, -1.79290771e-03,  7.37304688e-02,
        -1.46484375e-01,  2.42187500e-01,  1.05468750e-01, -6.44531250e-01,
         1.01562500e-01,  2.11914062e-01, -1.66992188e-01,  6.98242188e-02,
        -7.51953125e-02, -1.83593750e-01,  1.26953125e-01, -1.42578125e-01,
        -2.67578125e-01,  2.18750000e-01,  5.34667969e-02, -2.59765625e-01,
         3.22265625e-02, -1.94091797e-02,  4.00390625e-02, -3.10546875e-01,
        -9.27734375e-02, -4.51660156e-02, -2.52685547e-02, -7.72094727e-03,
         1.46484375e-01,  1.62109375e-01, -1.03515625e-01, -4.12597656e-02,
        -1.75781250e-01,  7.81250000e-02,  2.52685547e-02,  4.19921875e-02,
         4.15039062e-02, -1.20117188e-01,  3.53515625e-01, -2.25585938e-01,
        -1.65039062e-01, -8.74023438e-02,  4.61425781e-02, -1.80664062e-01,
        -7.42187500e-02, -1.79443359e-02,  1.63085938e-01,  2.02148438e-01,
        -1.88476562e-01, -6.03027344e-02, -2.11181641e-02, -1.16699219e-01,
        -7.47070312e-02,  1.79687500e-01,  4.76837158e-04,  6.68945312e-02,
        -7.22656250e-02,  8.91113281e-03, -8.05664062e-02, -1.12792969e-01,
         6.12792969e-02, -3.08593750e-01, -3.24218750e-01, -4.66308594e-0
2],
       dtype=float32),
 'stakeholder': array([-1.84570312e-01, -1.70898438e-01, -1.02050781e-01, -
8.59375000e-02,
        -1.50390625e-01, -9.57031250e-02,  2.89062500e-01,  2.44140625e-02,
         4.19921875e-01, -2.24609375e-02, -2.38281250e-01,  1.45507812e-01,
         2.92968750e-01, -3.83300781e-02, -3.16406250e-01, -4.66308594e-02,
         1.69921875e-01, -5.76782227e-03, -1.29882812e-01,  1.23046875e-01,
        -8.59375000e-02,  3.08593750e-01,  1.36718750e-01,  7.56835938e-02,
         2.02148438e-01,  1.56250000e-01, -3.35937500e-01,  1.04003906e-01,
        -6.22558594e-03, -2.05078125e-01,  1.86523438e-01, -4.95605469e-02,
        -3.08593750e-01,  1.85546875e-02,  7.71484375e-02,  2.08007812e-01,
         5.00000000e-01,  2.25585938e-01,  3.41796875e-02,  1.11083984e-02,
        -2.63671875e-01,  1.27929688e-01, -2.51953125e-01,  1.47460938e-01,
        -2.85156250e-01, -5.31250000e-01, -2.57812500e-01,  1.04492188e-01,
         5.64575195e-03,  3.64685059e-03,  2.12402344e-02, -6.73828125e-02,
```

```
       -1.88476562e-01,  6.17675781e-02, -4.39453125e-03,  1.65039062e-01,
       -1.70898438e-02, -1.58203125e-01,  2.51953125e-01, -1.68945312e-01,
       -3.46679688e-02,  1.17187500e-01, -1.10839844e-01, -8.10546875e-02,
       -9.09423828e-03, -1.46484375e-01,  3.49121094e-02,  1.32812500e-01,
        2.29492188e-01, -8.10546875e-02, -1.92382812e-01, -4.02343750e-01,
        3.73046875e-01,  4.88281250e-02,  1.38671875e-01,  1.19140625e-01,
       -1.25000000e-01,  1.21582031e-01, -8.59375000e-02,  3.27148438e-02,
        3.54003906e-02, -1.86523438e-01,  1.58203125e-01,  1.84570312e-01,
        1.13281250e-01, -1.11328125e-01, -1.09375000e-01, -1.60156250e-01,
        6.25610352e-03,  1.64062500e-01,  2.65625000e-01, -1.63085938e-01,
       -3.61328125e-01, -7.12890625e-02,  6.80541992e-03, -2.01171875e-01,
        1.00097656e-02, -3.49609375e-01,  1.04492188e-01,  1.19628906e-01,
        1.05957031e-01,  3.93066406e-02, -1.29394531e-02, -1.29882812e-01,
       -1.70898438e-02, -4.22363281e-02, -2.45361328e-02,  1.19140625e-01,
        2.44140625e-01, -5.46875000e-02, -1.42578125e-01, -3.47656250e-01,
       -1.63085938e-01, -1.43554688e-01,  2.19726562e-01,  1.47705078e-02,
       -1.44531250e-01,  9.86328125e-02,  1.82617188e-01, -3.34472656e-02,
        1.42578125e-01, -8.49609375e-02, -5.27343750e-01,  2.71484375e-01,
       -1.56250000e-01, -5.93261719e-02, -3.68652344e-02,  1.27929688e-01,
       -1.82617188e-01,  2.00195312e-01, -2.81250000e-01,  9.76562500e-02,
       -1.96289062e-01, -6.25000000e-02, -2.09960938e-01,  2.06054688e-01,
       -1.73828125e-01,  5.71289062e-02, -1.76757812e-01,  1.15234375e-01,
        5.00488281e-02,  2.40234375e-01, -1.81640625e-01, -3.83300781e-02,
       -8.00781250e-02, -9.66796875e-02, -6.49414062e-02,  2.25830078e-03,
        3.61328125e-01, -6.78710938e-02,  1.48437500e-01,  1.78710938e-01,
       -3.24218750e-01,  2.13867188e-01,  1.24023438e-01, -2.85644531e-02,
        2.16796875e-01, -2.27539062e-01,  9.27734375e-02,  7.42187500e-02,
       -1.72851562e-01,  7.47070312e-02,  1.62109375e-01,  4.06250000e-01,
       -3.28125000e-01,  2.29492188e-01, -1.80664062e-01, -8.54492188e-02,
        5.05371094e-02,  1.61132812e-01, -3.18527222e-04,  8.05664062e-02,
       -6.44531250e-02, -1.67968750e-01,  2.67578125e-01, -1.40625000e-01,
        1.20117188e-01, -1.17675781e-01, -1.80664062e-01,  1.10839844e-01,
        2.97851562e-02,  4.82177734e-03, -9.08203125e-02, -7.78198242e-03,
       -2.01171875e-01, -8.11767578e-03,  1.58691406e-02,  1.62353516e-02,
       -9.66796875e-02,  1.74560547e-02, -5.42968750e-01, -1.90429688e-01,
       -1.96289062e-01,  1.48925781e-02,  3.02734375e-02, -1.35742188e-01,
       -7.42187500e-02,  1.07421875e-01, -9.82666016e-03,  5.98144531e-03,
        2.22167969e-02, -3.41796875e-03,  7.32421875e-02, -1.17187500e-01,
       -2.47070312e-01, -1.79687500e-01,  5.29785156e-02, -2.67578125e-01,
        3.22265625e-01, -2.88085938e-02,  1.96289062e-01, -1.42578125e-01,
       -8.78906250e-02,  5.00488281e-03, -1.18164062e-01, -9.91210938e-02,
       -9.47265625e-02,  2.68554688e-02,  1.74804688e-01,  2.08007812e-01,
       -2.15820312e-01, -8.73565674e-04,  3.24707031e-02,  1.39648438e-01,
       -1.19140625e-01,  4.12597656e-02,  2.77343750e-01,  1.95312500e-01,
        1.47460938e-01, -1.46484375e-01, -8.30078125e-02, -1.56250000e-01,
       -3.10058594e-02, -6.25000000e-02,  1.34765625e-01,  1.60156250e-01,
        2.13867188e-01,  2.40478516e-02,  2.83203125e-01, -9.71679688e-02,
       -1.47460938e-01, -1.84570312e-01, -1.22070312e-01,  3.54003906e-02,
        2.42187500e-01, -1.82617188e-01,  1.35742188e-01, -8.30078125e-02,
       -9.52148438e-02, -3.41796875e-02, -1.16699219e-01,  4.76074219e-02,
        1.68945312e-01, -1.88476562e-01,  9.61914062e-02,  4.39453125e-02,
        1.13769531e-01,  1.26953125e-01, -2.13867188e-01,  6.12792969e-02,
       -3.63159180e-03, -2.59765625e-01,  2.05078125e-01, -1.01074219e-01,
       -6.78710938e-02,  7.32421875e-02, -3.32031250e-02,  2.83203125e-01,
       -4.58984375e-01, -1.71875000e-01, -4.46777344e-02,  1.63085938e-01,
       -7.76367188e-02,  2.31933594e-02, -2.23632812e-01, -1.96289062e-01,
       -6.25000000e-02,  1.22070312e-01,  8.44726562e-02,  2.12890625e-01,
       -1.21582031e-01, -2.94921875e-01,  1.10351562e-01,  4.61425781e-02,
        5.71289062e-02, -1.80664062e-01, -8.54492188e-02,  5.51757812e-02,
        1.50390625e-01,  5.29785156e-02, -7.95898438e-02, -1.42822266e-02,
       -2.19726562e-01,  1.68945312e-01, -4.15039062e-02,  8.44726562e-02,
       -1.66992188e-01,  1.85546875e-01,  1.21582031e-01, -2.10937500e-0
1],
      dtype=float32),
```

```
 'key': array([ 0.06396484, -0.08203125,  0.07177734, -0.10009766, -0.07373
047,
        -0.05200195,  0.01031494, -0.05957031,  0.09570312,  0.01470947,
         0.11376953, -0.12304688,  0.12451172,  0.13574219, -0.25976562,
        -0.09619141,  0.21484375, -0.13769531, -0.16601562, -0.03222656,
        -0.04589844,  0.07470703, -0.26367188,  0.3046875 ,  0.0088501 ,
         0.18652344, -0.15625   ,  0.04614258,  0.18261719,  0.16601562,
         0.24316406, -0.10107422,  0.29882812, -0.13378906, -0.03540039,
        -0.12353516, -0.17382812,  0.14257812,  0.00558472, -0.09326172,
         0.12060547, -0.09521484, -0.04760742, -0.00946045, -0.01623535,
         0.00077057, -0.00366211, -0.08447266,  0.05859375,  0.19433594,
         0.04345703,  0.17773438, -0.1328125 ,  0.08300781, -0.2265625 ,
        -0.05224609, -0.12988281, -0.01513672,  0.30273438,  0.11669922,
        -0.17285156,  0.3125    , -0.20703125,  0.19042969,  0.08984375,
         0.01940918, -0.0032959 ,  0.20703125,  0.02734375,  0.02905273,
        -0.19140625,  0.03662109,  0.23925781, -0.13183594, -0.21875   ,
        -0.0324707 ,  0.1171875 ,  0.31054688, -0.04638672,  0.08349609,
         0.0065918 , -0.00331116, -0.03295898, -0.14453125,  0.09863281,
        -0.34179688, -0.15429688, -0.14257812, -0.2421875 ,  0.03857422,
         0.13964844, -0.04077148,  0.0703125 , -0.11914062,  0.01495361,
        -0.30273438,  0.06494141, -0.09863281, -0.25      ,  0.11181641,
        -0.00964355,  0.05761719,  0.15429688, -0.05297852, -0.13378906,
        -0.06884766, -0.02990723, -0.00915527,  0.11816406,  0.16503906,
         0.0234375 , -0.10791016, -0.22753906,  0.05493164,  0.25195312,
         0.01794434,  0.06542969, -0.04345703,  0.29101562, -0.26953125,
        -0.0703125 ,  0.17285156, -0.10253906,  0.14941406, -0.02197266,
        -0.16699219,  0.1328125 , -0.0291748 , -0.23828125,  0.23632812,
         0.14941406, -0.02368164, -0.04199219, -0.13769531,  0.19238281,
         0.02893066,  0.00230408, -0.13867188, -0.05566406,  0.23730469,
         0.17675781,  0.00457764,  0.26171875, -0.08886719, -0.04248047,
        -0.12451172,  0.12353516,  0.15332031,  0.02478027, -0.02233887,
         0.0065918 ,  0.03735352,  0.03491211,  0.17578125, -0.11621094,
         0.10693359, -0.0703125 , -0.09765625, -0.07128906, -0.02990723,
        -0.09472656, -0.00836182,  0.10986328, -0.08691406, -0.00878906,
        -0.01312256, -0.02587891, -0.18652344, -0.05664062, -0.02661133,
        -0.14648438,  0.03979492, -0.00179291, -0.17285156,  0.35742188,
        -0.06738281, -0.05004883, -0.21289062, -0.1640625 ,  0.10058594,
        -0.15527344, -0.125     , -0.04248047, -0.03759766, -0.10205078,
         0.32226562, -0.16113281,  0.03735352,  0.03295898, -0.0213623 ,
         0.05224609,  0.02038574,  0.04663086, -0.10107422, -0.09033203,
        -0.02661133, -0.13867188, -0.3359375 , -0.10839844, -0.09960938,
         0.16015625,  0.20898438, -0.17675781, -0.22363281,  0.04003906,
        -0.14257812,  0.07128906, -0.08740234,  0.10595703, -0.05078125,
        -0.12060547,  0.09619141, -0.11621094,  0.20214844,  0.12792969,
        -0.20605469,  0.28320312, -0.09863281,  0.05200195,  0.20214844,
        -0.04077148,  0.07470703, -0.08496094, -0.265625  , -0.02148438,
        -0.00588989,  0.04272461,  0.00613403,  0.0859375 , -0.03881836,
        -0.23925781,  0.08447266, -0.09277344,  0.20605469,  0.02502441,
        -0.12695312, -0.02661133, -0.00753784, -0.2578125 ,  0.01434326,
        -0.05297852,  0.17871094,  0.01538086, -0.14941406,  0.06005859,
        -0.02185059,  0.02600098,  0.0144043 ,  0.12060547,  0.05224609,
        -0.20800781,  0.18945312,  0.10253906,  0.00982666,  0.00982666,
        -0.03125   ,  0.1015625 ,  0.03112793, -0.11425781, -0.12890625,
         0.04394531, -0.12988281, -0.15820312,  0.05419922, -0.05224609,
         0.06030273, -0.03833008, -0.16015625, -0.10009766, -0.15039062,
        -0.04150391, -0.0480957 , -0.3125    , -0.20800781, -0.02026367,
        -0.0144043 , -0.06542969, -0.17675781, -0.25      , -0.04052734,
        -0.12890625, -0.01904297, -0.08691406,  0.11132812, -0.09716797,
         0.04833984, -0.18554688, -0.00375366, -0.10986328, -0.04882812,
        -0.09863281,  0.08642578,  0.15234375, -0.20605469, -0.04052734,
         0.01586914,  0.06494141,  0.01385498,  0.05639648,  0.15917969],
       dtype=float32),
 'player': array([ 0.15527344,  0.07080078,  0.13085938,  0.02661133,  0.26
757812,
```

```
         0.09326172,  0.22558594, -0.140625  ,  0.41015625, -0.1015625 ,
        -0.17089844, -0.17871094,  0.09179688, -0.32226562,  0.1328125 ,
         0.10693359,  0.16699219,  0.06445312,  0.12890625, -0.16015625,
        -0.11914062,  0.21679688, -0.1796875 , -0.21484375,  0.04370117,
        -0.24804688, -0.25390625,  0.05834961,  0.109375  ,  0.11474609,
         0.08886719,  0.28515625, -0.08691406, -0.10839844, -0.02050781,
         0.0098877 ,  0.07421875,  0.05883789,  0.05004883,  0.22753906,
         0.14648438, -0.28515625,  0.00162506,  0.12255859,  0.20605469,
        -0.23242188,  0.14941406, -0.05883789,  0.16015625,  0.09228516,
        -0.01135254,  0.02929688,  0.09667969, -0.14160156,  0.04272461,
        -0.07958984,  0.14355469,  0.05493164,  0.04736328, -0.16601562,
        -0.18847656,  0.05029297, -0.12792969, -0.20019531,  0.01196289,
         0.19628906,  0.02514648, -0.078125  ,  0.29101562,  0.16699219,
         0.23632812, -0.18945312, -0.11523438, -0.05444336, -0.15527344,
         0.04272461, -0.00059891,  0.09472656, -0.06835938, -0.3125    ,
        -0.05224609,  0.06445312,  0.19628906,  0.21582031,  0.29296875,
        -0.12011719, -0.20410156,  0.25390625,  0.20507812,  0.12597656,
         0.02856445,  0.07177734, -0.20410156,  0.06079102,  0.13964844,
        -0.19042969,  0.05273438,  0.27148438,  0.07910156, -0.15820312,
        -0.05737305,  0.28320312,  0.08984375, -0.09375   , -0.18652344,
        -0.171875  , -0.078125  , -0.10986328, -0.23046875, -0.0035553 ,
        -0.10058594,  0.05786133, -0.13574219, -0.04248047,  0.16992188,
         0.07421875,  0.02832031,  0.125     ,  0.11621094, -0.10205078,
         0.05517578, -0.18652344, -0.203125  ,  0.00263977, -0.1484375 ,
        -0.5234375 , -0.18554688,  0.01745605, -0.12890625, -0.01062012,
        -0.02355957, -0.18359375, -0.02844238, -0.01037598,  0.0625    ,
        -0.29296875, -0.13183594,  0.14550781, -0.27734375, -0.00976562,
        -0.08935547, -0.07324219,  0.10742188,  0.21679688, -0.0625    ,
         0.296875  ,  0.14746094,  0.10888672, -0.1484375 , -0.02722168,
         0.08300781,  0.26757812, -0.36328125,  0.03344727,  0.00123596,
         0.12597656, -0.06445312, -0.23828125,  0.14648438, -0.09716797,
        -0.05126953,  0.12060547,  0.31054688,  0.03466797, -0.23046875,
        -0.31640625,  0.20800781, -0.17675781, -0.0859375 ,  0.08300781,
         0.07519531, -0.09521484,  0.01556396, -0.19628906,  0.00476074,
         0.07421875,  0.13867188, -0.40625   ,  0.08154297,  0.02490234,
         0.29296875,  0.18652344,  0.08251953,  0.1640625 ,  0.00866699,
         0.16503906,  0.00054932,  0.12158203, -0.03295898, -0.21386719,
        -0.03808594,  0.08056641,  0.10986328, -0.02111816,  0.03466797,
         0.00872803, -0.2421875 ,  0.11962891, -0.11865234, -0.27539062,
        -0.0859375 , -0.07226562,  0.07324219,  0.14648438, -0.22265625,
        -0.32421875,  0.25585938, -0.24121094,  0.05053711, -0.05883789,
         0.21777344,  0.10742188, -0.03833008,  0.09863281, -0.21777344,
         0.05078125, -0.02355957, -0.08154297, -0.3671875 , -0.01202393,
         0.03417969, -0.16210938,  0.02502441,  0.02185059,  0.07617188,
         0.21289062,  0.22558594, -0.16601562,  0.27148438, -0.2578125 ,
        -0.01519775,  0.12890625, -0.1875    , -0.10400391, -0.02941895,
        -0.04174805, -0.21875   , -0.43164062, -0.01324463, -0.11523438,
         0.03833008, -0.26171875,  0.23242188, -0.17578125,  0.2109375 ,
         0.22363281, -0.28515625, -0.078125  ,  0.08056641,  0.01190186,
         0.08935547, -0.02954102,  0.00494385, -0.03466797, -0.08886719,
         0.11474609, -0.15234375,  0.05322266, -0.11279297,  0.04858398,
         0.23339844, -0.0201416 ,  0.12158203, -0.27734375, -0.09228516,
         0.23339844, -0.07763672,  0.15722656, -0.18945312, -0.06054688,
        -0.01977539,  0.03112793, -0.17773438, -0.00558472, -0.10595703,
         0.10644531, -0.02282715, -0.16113281, -0.28125   , -0.07666016,
         0.10351562,  0.02368164,  0.19335938,  0.15234375, -0.2421875 ,
         0.00701904, -0.08154297, -0.02038574,  0.20410156,  0.14746094,
         0.09326172,  0.01000977, -0.0098877 , -0.16894531,  0.0123291 ,
         0.13769531, -0.09228516, -0.0546875 , -0.04296875,  0.04101562],
       dtype=float32),
 'connecting': array([-0.12597656, -0.07568359, -0.01287842, -0.02575684, -
0.08105469,
         0.10839844, -0.19042969, -0.07568359,  0.2890625 ,  0.11621094,
         0.04174805,  0.07568359,  0.0267334 ,  0.02893066,  0.1328125 ,
```

```
        -0.33398438,  0.04541016,  0.07763672,  0.04467773, -0.10302734,
         0.02453613,  0.05761719, -0.15429688,  0.10498047,  0.13671875,
         0.00379944, -0.19921875,  0.16503906,  0.03588867, -0.24511719,
         0.05615234, -0.10791016,  0.07128906, -0.34765625,  0.14941406,
        -0.22558594, -0.12597656, -0.22460938,  0.0612793 ,  0.06005859,
        -0.16601562,  0.21777344, -0.09521484, -0.04882812,  0.02258301,
        -0.20996094,  0.14746094,  0.07714844,  0.01037598,  0.08154297,
         0.01196289,  0.20507812, -0.3125    , -0.17675781, -0.12792969,
         0.12792969, -0.12353516,  0.11279297, -0.05493164, -0.06103516,
         0.15136719,  0.02270508, -0.06640625, -0.25390625, -0.00131226,
        -0.03442383, -0.26953125, -0.00254822,  0.05224609,  0.12695312,
         0.04589844, -0.05102539,  0.10498047, -0.37890625, -0.203125  ,
        -0.28710938, -0.22753906,  0.04541016,  0.17773438,  0.12353516,
        -0.33203125,  0.1015625 ,  0.21386719, -0.03369141,  0.15136719,
         0.04394531, -0.15332031, -0.21972656,  0.13183594,  0.07177734,
        -0.09130859, -0.04980469,  0.01312256, -0.06347656, -0.08447266,
        -0.0625    ,  0.00549316,  0.07519531, -0.07421875,  0.27734375,
        -0.15332031, -0.21289062,  0.15527344,  0.11914062,  0.01013184,
         0.06884766,  0.04638672,  0.02246094,  0.29101562, -0.29882812,
        -0.00653076, -0.09033203,  0.03857422, -0.05395508,  0.04858398,
         0.1015625 , -0.03857422,  0.14160156, -0.0625    , -0.00933838,
        -0.01318359,  0.09716797, -0.17285156,  0.25      , -0.0234375 ,
        -0.16015625, -0.05834961,  0.05493164, -0.10302734,  0.09423828,
        -0.01403809,  0.09570312,  0.12890625,  0.06005859,  0.10107422,
         0.02416992,  0.04418945,  0.09130859, -0.25195312, -0.09619141,
        -0.02978516, -0.01953125, -0.20996094,  0.2109375 , -0.03027344,
         0.09667969, -0.28320312, -0.23925781, -0.375     ,  0.07373047,
        -0.14257812, -0.01672363, -0.140625  , -0.0255127 , -0.02282715,
        -0.05322266, -0.25195312, -0.0859375 , -0.01745605, -0.04785156,
        -0.01312256,  0.05004883, -0.18652344,  0.12695312, -0.23535156,
         0.37695312,  0.328125  , -0.11230469,  0.00613403, -0.13476562,
        -0.14160156,  0.01965332,  0.12792969, -0.16015625,  0.12011719,
         0.31640625, -0.29296875, -0.30273438, -0.35351562,  0.14453125,
        -0.09326172,  0.01452637, -0.12988281, -0.07373047, -0.0025177 ,
         0.11035156, -0.25      , -0.21679688,  0.16894531, -0.03112793,
        -0.05908203,  0.00854492,  0.17871094,  0.00175476, -0.05200195,
         0.04541016, -0.1484375 , -0.03466797,  0.12158203, -0.234375  ,
         0.15332031,  0.06005859,  0.15429688, -0.28125   ,  0.00180054,
        -0.00561523, -0.04882812, -0.27734375,  0.10644531, -0.08984375,
        -0.13183594,  0.14355469, -0.20410156, -0.01904297, -0.00436401,
         0.11376953,  0.22753906,  0.10302734, -0.14453125,  0.08203125,
         0.10888672,  0.00424194,  0.07763672,  0.2890625 , -0.10302734,
         0.10253906, -0.19335938,  0.05859375, -0.16308594, -0.01123047,
         0.08056641, -0.04199219, -0.08203125,  0.14746094,  0.18457031,
        -0.05639648,  0.11572266, -0.14746094,  0.00921631,  0.24023438,
        -0.19824219,  0.09130859, -0.18457031, -0.2578125 ,  0.17773438,
        -0.05810547, -0.15332031,  0.21484375,  0.09521484, -0.12207031,
         0.04370117,  0.08789062,  0.07421875,  0.21484375,  0.42578125,
        -0.17578125,  0.21777344,  0.06347656, -0.24707031, -0.14746094,
        -0.13183594,  0.05761719,  0.11181641,  0.13964844,  0.0546875 ,
         0.15917969,  0.5078125 , -0.07617188, -0.01428223,  0.18261719,
         0.01794434, -0.18359375, -0.07324219, -0.15527344,  0.3203125 ,
        -0.15527344, -0.27734375,  0.07373047, -0.08984375, -0.09472656,
         0.02160645, -0.07714844, -0.25585938, -0.12207031, -0.11865234,
        -0.0071106 , -0.10009766,  0.11669922,  0.16308594, -0.22851562,
        -0.01965332,  0.04907227, -0.18652344, -0.04223633,  0.02270508,
         0.13964844,  0.10742188, -0.14160156,  0.11914062,  0.10986328],
       dtype=float32),
 'insight': array([-2.73437500e-01, -1.31835938e-01, -1.19628906e-01, -4.14
062500e-01,
        -3.80859375e-02,  2.48046875e-01,  6.17675781e-02, -1.82617188e-01,
         2.34375000e-01, -9.27734375e-02,  4.76074219e-02,  8.15429688e-02,
         2.10937500e-01,  3.69140625e-01, -3.78906250e-01, -1.06933594e-01,
        -2.61718750e-01,  6.99218750e-01,  5.27343750e-02, -3.26171875e-01,
```

```
 1.88476562e-01, -1.36718750e-01, -1.01562500e-01,  1.61132812e-01,
 1.00585938e-01,  1.12792969e-01,  1.51367188e-01,  6.64062500e-02,
-1.18652344e-01, -7.95898438e-02, -1.11328125e-01,  4.10156250e-02,
-1.46484375e-01,  4.10156250e-01, -7.71484375e-02,  1.22070312e-02,
-1.37695312e-01, -3.08593750e-01, -8.30078125e-02, -1.33789062e-01,
-2.44140625e-01, -1.65557861e-03, -7.86132812e-02,  2.96875000e-01,
-6.29882812e-02, -2.00195312e-01, -2.47070312e-01, -9.61914062e-02,
 1.66015625e-01,  1.00097656e-01, -6.15234375e-02,  1.57226562e-01,
-7.61718750e-02, -4.05273438e-02, -9.91210938e-02, -1.47705078e-02,
-8.05664062e-02, -2.79296875e-01,  3.45703125e-01, -9.27734375e-02,
 1.16699219e-01, -3.41796875e-01,  4.00390625e-02,  7.47070312e-02,
-1.78710938e-01,  1.49414062e-01, -3.75976562e-02,  2.77343750e-01,
 5.54199219e-02, -1.25000000e-01, -6.17675781e-02,  9.08203125e-02,
 4.72656250e-01, -1.50390625e-01,  2.83203125e-01, -1.72851562e-01,
 1.31835938e-01,  3.43750000e-01,  1.95312500e-01,  7.47070312e-02,
 9.81445312e-02,  3.00781250e-01,  1.45874023e-02,  4.56542969e-02,
 4.32128906e-02, -1.12304688e-01, -4.54101562e-02,  2.25830078e-02,
 7.08007812e-02,  7.27539062e-02,  3.78906250e-01, -1.50390625e-01,
-1.24511719e-01,  2.77343750e-01, -7.66601562e-02, -2.05078125e-01,
-1.94335938e-01,  3.45703125e-01,  2.02148438e-01, -1.83593750e-01,
 1.78710938e-01,  1.14257812e-01,  1.98242188e-01, -1.84570312e-01,
 5.39550781e-02, -2.16796875e-01, -9.13085938e-02,  2.05078125e-01,
-9.86328125e-02, -3.67187500e-01,  9.08203125e-02, -9.37500000e-02,
-8.78906250e-02,  2.79541016e-02,  1.97265625e-01, -6.59179688e-02,
 1.57226562e-01, -7.47070312e-02,  2.94921875e-01,  1.15234375e-01,
-3.43750000e-01, -1.86767578e-02, -2.05078125e-01, -1.23046875e-01,
 1.01074219e-01, -8.00781250e-02, -6.44531250e-02,  2.81250000e-01,
-8.69140625e-02,  2.53906250e-01, -2.89062500e-01, -5.89843750e-01,
-6.34765625e-02,  1.77734375e-01,  6.13281250e-01, -1.67968750e-01,
 1.07421875e-01, -1.70898438e-01,  1.23535156e-01, -1.37695312e-01,
-5.44433594e-02,  1.17675781e-01, -1.80664062e-01,  1.23535156e-01,
 7.22656250e-02,  7.37304688e-02,  8.25195312e-02, -3.05175781e-02,
 9.66796875e-02,  6.25000000e-02, -7.47070312e-02, -2.01416016e-02,
-1.65039062e-01,  2.29492188e-01, -1.72119141e-02, -2.81250000e-01,
 7.12890625e-02, -7.95898438e-02, -3.57421875e-01, -2.42187500e-01,
 6.25000000e-02,  1.17187500e-01, -2.29492188e-01, -4.19921875e-02,
-1.91406250e-01, -1.13769531e-01,  1.20117188e-01, -5.73730469e-02,
-2.05078125e-01,  2.17773438e-01, -4.46777344e-02,  3.14453125e-01,
-4.24804688e-02, -5.27343750e-01,  1.92382812e-01, -1.95312500e-01,
-2.13623047e-02, -1.05468750e-01,  1.86523438e-01, -1.90429688e-01,
-1.85546875e-01,  2.59765625e-01,  3.86718750e-01, -2.61718750e-01,
-2.34375000e-01, -2.47070312e-01, -1.26953125e-02,  2.10571289e-03,
 9.37500000e-02, -1.10351562e-01, -1.50390625e-01,  2.83203125e-02,
 4.16015625e-01, -2.73437500e-01,  1.74804688e-01,  7.76367188e-02,
-8.49609375e-02, -1.34765625e-01, -1.15966797e-02, -7.47680664e-04,
-1.57226562e-01, -1.37939453e-02, -2.87109375e-01,  1.73828125e-01,
 7.71484375e-02, -1.17187500e-01, -1.62109375e-01, -2.35351562e-01,
 2.38037109e-02,  2.83203125e-02, -3.17382812e-02,  2.16796875e-01,
 6.05468750e-02, -2.36816406e-02, -2.22656250e-01, -2.29492188e-01,
 6.75781250e-01,  1.17187500e-01,  3.92578125e-01, -3.18359375e-01,
-1.17675781e-01, -9.08203125e-02, -4.33593750e-01, -2.69531250e-01,
 1.14746094e-01, -2.48046875e-01,  2.51953125e-01, -1.40625000e-01,
-3.02734375e-01, -1.23535156e-01, -1.14257812e-01, -1.06445312e-01,
-7.22656250e-02, -1.18652344e-01,  1.66992188e-01, -8.39843750e-02,
-1.00585938e-01, -1.51977539e-02, -1.54876709e-03,  1.40625000e-01,
 1.51367188e-01, -3.82995605e-03, -1.05468750e-01,  2.51953125e-01,
 5.56640625e-02,  2.86865234e-03, -7.91015625e-02, -1.87988281e-02,
 5.46875000e-02, -2.57812500e-01,  3.00781250e-01,  1.88476562e-01,
 3.34472656e-02,  1.82617188e-01, -1.30859375e-01, -5.90820312e-02,
 7.66601562e-02, -1.96289062e-01, -3.10546875e-01, -1.54296875e-01,
 1.12792969e-01,  6.58035278e-05, -4.68750000e-01,  2.31445312e-01,
-1.77734375e-01, -4.78515625e-02,  6.78710938e-02,  4.05273438e-02,
-1.30859375e-01, -1.66992188e-01, -2.71484375e-01, -5.92041016e-03,
-4.37011719e-02, -8.34960938e-02,  3.06640625e-01,  9.91210938e-02,
```

```
         1.90429688e-02,  3.49609375e-01,  1.47460938e-01,  7.17773438e-02,
         1.56250000e-02, -1.67968750e-01,  8.36181641e-03,  7.86132812e-02,
        -2.12890625e-01, -1.47460938e-01, -1.77001953e-03,  4.37500000e-01,
         2.79296875e-01,  4.63867188e-02, -1.20117188e-01, -1.55273438e-01,
         1.09252930e-02, -1.11816406e-01, -1.91406250e-01, -1.75781250e-01,
        -1.01562500e-01,  1.22070312e-01,  4.54101562e-02,  6.54296875e-0
2],
       dtype=float32),
 'crafting': array([ 1.08398438e-01,  9.17968750e-02, -2.59765625e-01,  1.2
6953125e-01,
        -6.88476562e-02,  5.61523438e-02,  4.63867188e-02, -7.08007812e-02,
        -6.00585938e-02,  3.19824219e-02, -4.27246094e-02, -5.68847656e-02,
        -6.29882812e-02,  1.86767578e-02, -1.52343750e-01, -1.14257812e-01,
         1.26953125e-01,  2.01171875e-01, -6.54296875e-02, -6.64062500e-02,
        -3.38745117e-03,  1.84570312e-01, -2.69531250e-01, -1.04492188e-01,
         1.35742188e-01, -2.39257812e-02,  8.59375000e-02, -2.36328125e-01,
        -1.73828125e-01, -2.61230469e-02, -2.28515625e-01,  5.93261719e-02,
         4.73632812e-02,  2.51953125e-01,  7.47680664e-03,  1.32812500e-01,
         1.65039062e-01, -1.36718750e-01,  2.39257812e-01, -1.26953125e-01,
         1.13281250e-01,  1.72851562e-01,  1.07910156e-01, -4.27246094e-02,
        -1.54296875e-01, -8.69140625e-02,  4.95605469e-02,  2.17773438e-01,
         2.18750000e-01,  2.99453735e-04, -1.19140625e-01,  8.78906250e-02,
        -2.60925293e-03, -2.20703125e-01,  8.34960938e-02,  4.23828125e-01,
         9.81445312e-02, -3.73046875e-01, -5.41992188e-02, -3.12500000e-02,
         6.59179688e-02,  2.12890625e-01, -5.51757812e-02, -1.31835938e-01,
         1.14257812e-01,  8.34960938e-02,  3.35693359e-04,  1.97753906e-02,
         8.11767578e-03,  7.08007812e-02,  1.07910156e-01,  9.32617188e-02,
        -6.25000000e-02, -1.45507812e-01,  8.64257812e-02, -8.20312500e-02,
         2.25585938e-01,  1.01074219e-01, -1.76757812e-01,  2.13867188e-01,
        -7.95898438e-02, -3.26171875e-01, -5.44433594e-02,  1.59912109e-02,
         6.98242188e-02,  8.05664062e-02, -1.54296875e-01,  2.30712891e-02,
         9.13085938e-02, -1.07421875e-01,  2.94921875e-01, -1.22070312e-01,
        -1.38549805e-02,  6.59179688e-02,  8.83789062e-02, -1.83105469e-02,
         9.27734375e-02, -3.43750000e-01, -2.13867188e-01, -7.37304688e-02,
         8.10546875e-02, -2.08984375e-01,  1.37695312e-01, -1.41601562e-01,
        -2.12890625e-01, -9.96093750e-02,  1.49414062e-01, -7.66601562e-02,
        -2.25830078e-02, -2.28515625e-01, -1.82617188e-01,  2.37304688e-01,
        -1.04980469e-01,  1.37695312e-01,  3.04687500e-01,  1.20117188e-01,
         3.49121094e-02, -8.44726562e-02,  2.00195312e-01, -2.61718750e-01,
        -8.05664062e-02, -2.40478516e-02,  1.55273438e-01,  1.84570312e-01,
         1.91406250e-01, -6.44531250e-02, -4.69970703e-03,  1.02050781e-01,
        -3.65234375e-01,  9.57031250e-02, -5.66406250e-02, -1.34765625e-01,
        -3.28125000e-01,  1.67968750e-01, -1.95312500e-01,  3.43750000e-01,
        -2.75390625e-01, -2.34375000e-01, -5.61523438e-02, -1.47460938e-01,
         2.05078125e-01, -1.04980469e-01, -4.10156250e-01, -2.17773438e-01,
         9.71679688e-02,  1.71875000e-01, -2.46093750e-01, -1.76757812e-01,
         1.02539062e-01, -4.88281250e-02,  2.47070312e-01, -2.36328125e-01,
         4.94384766e-03, -1.18408203e-02, -1.25000000e-01, -2.08007812e-01,
         1.79687500e-01,  5.78613281e-02, -1.16699219e-01,  1.91406250e-01,
        -3.14941406e-02, -1.62109375e-01, -1.52343750e-01,  3.39355469e-02,
        -2.45117188e-01,  1.20117188e-01,  2.27539062e-01, -9.47265625e-02,
        -1.32812500e-01,  7.08007812e-02, -7.66601562e-02,  1.43554688e-01,
         6.05468750e-02,  1.00097656e-01,  2.23388672e-02,  5.70678711e-03,
         5.27954102e-03, -1.86523438e-01, -2.55859375e-01,  1.57226562e-01,
         4.32128906e-02, -2.72750854e-04,  1.26953125e-01,  8.05664062e-02,
        -2.90527344e-02, -3.24218750e-01, -3.73046875e-01, -1.66015625e-01,
        -2.35595703e-02,  1.96533203e-02, -1.80664062e-02,  6.29882812e-02,
         2.05078125e-01, -2.83203125e-01, -1.73828125e-01, -1.08337402e-03,
         1.38671875e-01, -2.89062500e-01,  9.03320312e-02, -1.72851562e-01,
        -2.43164062e-01,  1.00097656e-01,  9.47265625e-02, -1.66992188e-01,
        -8.20312500e-02, -1.17187500e-01, -1.20117188e-01, -9.37500000e-02,
        -5.68847656e-02, -1.78710938e-01,  5.63964844e-02, -4.19921875e-02,
         4.66308594e-02,  4.76074219e-02,  7.61718750e-02, -7.71484375e-02,
        -2.90527344e-02,  1.93359375e-01, -8.30078125e-02,  1.26953125e-01,
```

```
        -2.14843750e-02, -1.50390625e-01, -1.92382812e-01,  2.15820312e-01,
         2.35351562e-01, -7.81250000e-02, -2.45117188e-01,  1.75781250e-02,
         1.70898438e-01,  8.59375000e-02,  2.60009766e-02, -1.28906250e-01,
        -2.63671875e-01,  1.28906250e-01,  8.05664062e-02, -1.84570312e-01,
         1.12792969e-01, -1.44531250e-01, -8.93554688e-02, -3.75000000e-01,
        -2.46093750e-01,  8.30078125e-02, -1.44531250e-01, -1.49414062e-01,
         1.22070312e-01, -1.31835938e-01, -2.22167969e-02,  1.45874023e-02,
         5.29785156e-02,  2.63671875e-02, -3.35937500e-01,  4.16015625e-01,
        -9.81445312e-02,  1.02539062e-01,  1.80664062e-01,  7.56835938e-02,
         5.81054688e-02, -2.47070312e-01, -6.59179688e-02, -7.95898438e-02,
        -2.91015625e-01, -1.63085938e-01,  1.75781250e-01, -1.27929688e-01,
        -2.59765625e-01,  8.54492188e-02, -1.57226562e-01, -1.99218750e-01,
        -2.30468750e-01,  1.12792969e-01,  1.50390625e-01,  9.08203125e-02,
         1.25976562e-01,  5.56640625e-02, -2.80761719e-02, -6.95800781e-03,
        -3.51562500e-02, -5.66406250e-02, -1.17187500e-02,  1.95312500e-01,
        -3.12500000e-02, -1.83593750e-01,  8.15429688e-02,  2.75390625e-01,
         2.55126953e-02,  8.00781250e-02, -7.47070312e-02, -4.58984375e-02,
         1.90429688e-01,  9.42382812e-02, -3.33984375e-01, -2.40234375e-01,
         1.96289062e-01, -1.12792969e-01, -2.77343750e-01, -1.41601562e-01,
         2.25585938e-01,  1.34887695e-02,  1.67968750e-01,  2.55859375e-0
1],
       dtype=float32),
 'compelling': array([ 0.05273438, -0.06396484, -0.00759888, -0.09082031, -
0.21875   ,
         0.06884766,  0.30859375,  0.18554688,  0.21679688,  0.03979492,
        -0.24121094, -0.20800781,  0.06884766,  0.10351562,  0.01989746,
         0.24609375,  0.23046875, -0.13574219,  0.03222656,  0.03039551,
        -0.00239563, -0.04467773, -0.078125  ,  0.20800781,  0.03515625,
        -0.16210938,  0.05273438,  0.10546875, -0.05126953, -0.04174805,
         0.07275391,  0.10595703,  0.08300781,  0.0168457 ,  0.0546875 ,
         0.11230469, -0.12353516,  0.01623535, -0.01721191, -0.06933594,
         0.07080078,  0.03295898,  0.05517578,  0.00866699, -0.20703125,
        -0.06542969,  0.03149414,  0.03393555,  0.30273438, -0.17675781,
         0.02404785, -0.14355469, -0.28515625,  0.00753784, -0.15625   ,
         0.04418945,  0.04711914, -0.36132812,  0.06884766, -0.234375  ,
         0.13476562,  0.07714844, -0.02893066, -0.14941406, -0.06396484,
         0.01794434, -0.07421875,  0.17871094,  0.02160645, -0.14550781,
        -0.09277344, -0.13769531,  0.12890625,  0.0859375 , -0.06103516,
         0.11230469,  0.12597656,  0.328125  ,  0.37695312,  0.16015625,
         0.078125  ,  0.33007812, -0.03271484,  0.01177979,  0.00735474,
        -0.27929688, -0.21679688,  0.09130859, -0.25585938,  0.05859375,
        -0.04125977, -0.19628906, -0.09228516,  0.0859375 ,  0.12158203,
        -0.0014267 ,  0.09570312,  0.3046875 , -0.11083984, -0.11035156,
        -0.17089844,  0.26757812,  0.08886719, -0.01037598, -0.08984375,
        -0.16210938,  0.2734375 , -0.0112915 ,  0.00382996, -0.09912109,
         0.03051758, -0.16796875, -0.11035156,  0.05322266,  0.38476562,
        -0.10693359,  0.0390625 , -0.31640625,  0.10742188, -0.06738281,
        -0.14550781, -0.18945312,  0.01623535, -0.12011719, -0.06445312,
        -0.05639648,  0.00518799,  0.15039062, -0.29492188,  0.18652344,
        -0.20117188, -0.02319336, -0.04223633,  0.04785156,  0.30273438,
        -0.0534668 ,  0.30859375, -0.34179688, -0.03271484,  0.1640625 ,
         0.11962891, -0.08740234,  0.328125  ,  0.17480469, -0.10302734,
         0.04370117, -0.14160156, -0.05883789, -0.05444336, -0.0279541 ,
        -0.10205078, -0.10009766,  0.21972656, -0.01391602, -0.17285156,
        -0.109375  ,  0.12158203, -0.04125977, -0.22265625, -0.14160156,
        -0.17675781, -0.05688477, -0.09228516,  0.08105469,  0.20996094,
         0.01916504,  0.08740234, -0.20507812, -0.14941406,  0.08398438,
         0.00704956,  0.03857422, -0.01391602, -0.29101562,  0.02258301,
         0.04052734, -0.01403809,  0.01574707, -0.18457031, -0.06542969,
        -0.05566406, -0.18652344, -0.203125  , -0.265625  , -0.15820312,
        -0.07568359, -0.10791016,  0.07373047,  0.07275391, -0.25195312,
        -0.32617188, -0.05688477,  0.21386719, -0.40234375,  0.171875  ,
         0.08056641, -0.09033203, -0.12597656, -0.11083984, -0.04907227,
         0.08691406,  0.2109375 ,  0.03686523, -0.09375   ,  0.02087402,
```

```
         0.09472656, -0.02539062,  0.00512695, -0.07470703, -0.0402832 ,
        -0.12011719,  0.31835938, -0.04394531,  0.10546875, -0.20703125,
         0.12207031,  0.14746094,  0.05004883, -0.00131989,  0.11816406,
        -0.01879883,  0.17675781, -0.26171875,  0.22265625,  0.09277344,
        -0.00276184, -0.01635742, -0.04614258,  0.13085938,  0.00494385,
        -0.29101562, -0.03015137,  0.19140625,  0.03662109,  0.0625    ,
         0.07275391, -0.23632812,  0.06005859,  0.11865234, -0.03417969,
        -0.125     , -0.13867188, -0.04223633, -0.02026367, -0.01855469,
         0.21484375,  0.07421875,  0.21289062, -0.06640625, -0.03125   ,
         0.13574219,  0.24023438, -0.12988281,  0.07080078, -0.01019287,
        -0.1484375 ,  0.01757812, -0.24121094,  0.15527344,  0.01623535,
         0.02648926, -0.07519531, -0.08984375, -0.00933838, -0.23046875,
         0.34960938,  0.02294922, -0.33007812, -0.21191406,  0.02490234,
         0.23730469,  0.1796875 , -0.07275391,  0.10205078,  0.26367188,
         0.00564575, -0.16503906, -0.00518799, -0.00592041,  0.08984375,
        -0.0234375 , -0.20898438, -0.03564453, -0.26171875, -0.22753906,
         0.21582031,  0.00891113,  0.12304688,  0.15527344, -0.1171875 ,
        -0.02197266, -0.11376953,  0.06787109,  0.19628906,  0.07373047,
        -0.0402832 ,  0.2734375 , -0.1328125 ,  0.04638672,  0.140625  ],
       dtype=float32),
 'utilizing': array([-1.63085938e-01,  1.05957031e-01, -6.25000000e-02,  4.
90722656e-02,
         1.40380859e-02,  8.15429688e-02, -4.07714844e-02, -1.56250000e-01,
        -1.78222656e-02, -5.24902344e-03,  2.17285156e-02, -8.93554688e-02,
        -1.46484375e-01,  1.52343750e-01,  6.64062500e-02, -2.96875000e-01,
        -1.72851562e-01,  1.25000000e-01, -1.19628906e-01,  9.71679688e-02,
        -1.97265625e-01, -4.15039062e-02, -1.36718750e-01,  7.32421875e-02,
        -1.26953125e-01, -5.51757812e-02,  8.66699219e-03,  2.94921875e-01,
        -1.14746094e-01, -2.48046875e-01,  1.65039062e-01, -3.93066406e-02,
         5.34667969e-02,  3.14941406e-02,  1.48437500e-01,  4.44335938e-02,
        -4.95605469e-02, -2.94921875e-01,  1.56250000e-01, -2.71484375e-01,
         2.08007812e-01,  1.79687500e-01,  2.55126953e-02,  7.22656250e-02,
         6.73828125e-02, -3.14453125e-01, -2.57812500e-01,  1.45507812e-01,
         1.33789062e-01,  1.04980469e-01,  4.78515625e-02,  7.86132812e-02,
        -1.26953125e-01, -1.44531250e-01, -1.09375000e-01,  1.36718750e-01,
         6.59179688e-02, -1.75781250e-01,  2.85156250e-01, -6.89697266e-03,
        -3.08837891e-02, -2.53906250e-02, -1.45507812e-01, -1.89453125e-01,
         1.09863281e-01,  1.33789062e-01, -2.10937500e-01,  1.41601562e-01,
         1.10351562e-01, -2.12402344e-02, -7.81250000e-02, -8.49609375e-02,
         2.31445312e-01,  9.82666016e-03,  1.08398438e-01, -2.39257812e-01,
         2.53906250e-01, -1.16210938e-01,  1.06201172e-02,  9.96093750e-02,
        -9.71679688e-02,  6.73828125e-02,  1.12304688e-01,  9.22851562e-02,
         3.14453125e-01, -1.02539062e-01, -1.49414062e-01,  9.47265625e-02,
         3.39355469e-02,  8.88671875e-02, -1.39648438e-01,  1.11694336e-02,
         7.91015625e-02,  1.41601562e-01, -8.98437500e-02,  1.10351562e-01,
        -1.45507812e-01,  5.54199219e-02, -1.17675781e-01,  9.86328125e-02,
         7.56835938e-02, -2.81250000e-01,  1.66992188e-01, -4.32128906e-02,
        -5.49316406e-02, -3.63769531e-02, -7.56835938e-02,  1.01562500e-01,
        -6.28662109e-03, -7.61718750e-02, -1.64062500e-01,  1.94335938e-01,
        -7.47070312e-02,  2.91748047e-02,  8.59375000e-02,  3.63281250e-01,
        -3.54003906e-02, -1.51977539e-02,  5.00488281e-03, -1.85546875e-01,
         8.25195312e-02, -1.65039062e-01,  1.26953125e-02,  6.73828125e-02,
         1.48315430e-02,  4.95605469e-02, -1.63085938e-01,  4.98046875e-02,
        -9.13085938e-02, -2.40478516e-02,  8.15429688e-02,  9.13085938e-02,
         3.01513672e-02, -5.68847656e-02, -6.39648438e-02, -1.02539062e-01,
         1.35742188e-01, -4.18090820e-03, -6.59179688e-02,  3.29589844e-02,
         3.24707031e-02, -1.04980469e-01, -3.41796875e-01,  1.98242188e-01,
         1.79687500e-01,  5.49316406e-02, -2.01171875e-01, -2.09960938e-01,
         9.37500000e-02,  4.00390625e-02,  1.58203125e-01,  4.79125977e-03,
         2.33154297e-02, -1.63085938e-01,  1.24023438e-01, -7.17773438e-02,
        -1.68945312e-01, -1.30859375e-01, -8.05664062e-02, -1.42822266e-02,
         2.04101562e-01,  1.08398438e-01, -1.72851562e-01, -6.64062500e-02,
        -2.69531250e-01,  1.09252930e-02,  4.63867188e-02, -1.43554688e-01,
        -2.38037109e-02, -1.88476562e-01, -1.02233887e-03, -2.07031250e-01,
```

```
         2.63671875e-02,  8.25195312e-02,  1.37695312e-01, -1.52343750e-01,
         2.33154297e-02, -2.59765625e-01, -3.49609375e-01, -3.39355469e-02,
        -1.00097656e-01, -1.81640625e-01,  1.14257812e-01, -2.41699219e-02,
        -2.50000000e-01, -2.63671875e-01, -1.61132812e-01, -1.53320312e-01,
         1.40625000e-01,  7.91015625e-02, -3.14453125e-01,  7.17773438e-02,
         1.70898438e-01, -1.63085938e-01, -9.71679688e-02, -1.38671875e-01,
        -4.90722656e-02, -1.09375000e-01,  1.66015625e-01, -2.46093750e-01,
         1.04492188e-01,  1.12304688e-01, -5.34667969e-02, -3.95507812e-02,
        -3.26171875e-01,  1.39648438e-01, -6.17675781e-02, -3.61328125e-02,
        -1.45507812e-01,  8.15429688e-02,  7.61718750e-02,  1.57226562e-01,
         1.02233887e-03,  4.17480469e-02,  1.38671875e-01,  7.95898438e-02,
         1.21582031e-01, -6.68945312e-02, -2.04101562e-01,  8.69140625e-02,
         8.15429688e-02,  5.34667969e-02,  2.36816406e-02,  9.08203125e-02,
        -6.05468750e-02,  2.17773438e-01, -4.85839844e-02, -2.16796875e-01,
        -5.15136719e-02, -1.78710938e-01, -9.64355469e-03,  7.11059570e-03,
         1.39648438e-01,  1.10351562e-01, -5.39550781e-02, -1.23535156e-01,
        -4.54711914e-03,  1.61132812e-02, -9.17968750e-02,  9.13085938e-02,
        -1.33789062e-01,  1.66015625e-01,  1.04492188e-01, -1.97265625e-01,
        -2.58789062e-02, -7.61718750e-02, -6.00585938e-02,  3.47656250e-01,
         6.49414062e-02, -2.75390625e-01,  1.40625000e-01, -8.93554688e-02,
        -1.91650391e-02,  3.80859375e-02,  9.66796875e-02, -8.30078125e-02,
        -3.34472656e-02, -1.04980469e-01, -2.67333984e-02, -4.05273438e-02,
        -8.15429688e-02,  6.98242188e-02,  1.45507812e-01,  9.66796875e-02,
         6.25610352e-03, -8.05664062e-02,  2.14843750e-01,  4.66308594e-02,
        -1.34765625e-01,  1.46484375e-01,  5.98144531e-03,  4.24804688e-02,
        -9.22851562e-02,  6.20117188e-02, -2.19726562e-02,  1.15722656e-01,
        -1.22558594e-01, -6.63757324e-04, -2.19726562e-01, -2.07519531e-02,
        -1.80664062e-01,  9.86328125e-02,  5.44433594e-02, -8.16345215e-04,
        -1.07910156e-01, -1.37090683e-05,  4.00390625e-02, -1.69921875e-01,
         1.79687500e-01, -8.10546875e-02, -2.24609375e-01,  8.15429688e-02,
        -6.83593750e-02,  1.47460938e-01,  1.21459961e-02,  3.97949219e-02,
         4.78515625e-02, -1.60156250e-01, -2.05078125e-01,  1.14257812e-0
1],
       dtype=float32),
 'tableau': array([ 3.73046875e-01,  1.59179688e-01, -2.22167969e-02,  1.64
062500e-01,
        -1.97265625e-01, -1.75781250e-01,  3.73046875e-01, -9.81445312e-02,
        -7.86132812e-02,  1.04003906e-01,  7.03125000e-02, -2.49023438e-01,
        -4.22363281e-02,  1.01562500e-01, -3.55468750e-01,  2.98828125e-01,
        -1.57226562e-01,  4.10156250e-02, -2.50244141e-03, -3.73046875e-01,
         8.25195312e-02,  2.12402344e-02, -2.16796875e-01, -3.75000000e-01,
         1.09863281e-01,  1.07421875e-01, -3.55468750e-01,  1.23535156e-01,
        -3.49121094e-02,  1.12792969e-01, -3.47656250e-01, -2.53906250e-01,
        -3.34472656e-02,  2.69531250e-01,  4.56542969e-02, -1.34765625e-01,
         1.39648438e-01, -2.21679688e-01,  3.14941406e-02,  3.22265625e-01,
        -2.41210938e-01,  2.08984375e-01,  8.69140625e-02,  1.42578125e-01,
         5.98144531e-02, -5.15136719e-02, -3.04687500e-01,  2.59765625e-01,
         1.31835938e-01,  1.23046875e-01,  9.22851562e-02, -1.08032227e-02,
        -2.91748047e-02, -1.58203125e-01,  1.17187500e-01, -5.37109375e-02,
         2.27539062e-01, -2.36328125e-01, -1.24023438e-01,  2.33459473e-03,
        -3.88183594e-02,  3.43750000e-01, -6.29882812e-02, -5.76171875e-02,
        -3.88183594e-02,  5.85937500e-02, -3.00781250e-01,  8.30078125e-02,
        -1.89453125e-01,  3.58886719e-02, -1.21582031e-01,  5.46875000e-02,
         2.62451172e-03, -1.97265625e-01,  1.39648438e-01, -5.44433594e-02,
         1.50390625e-01, -2.11914062e-01,  2.87109375e-01, -8.34960938e-02,
         1.41601562e-01,  1.02050781e-01,  7.12890625e-02, -3.39843750e-01,
         1.67236328e-02,  2.16796875e-01, -2.02148438e-01, -1.82617188e-01,
         1.88476562e-01, -6.73828125e-02,  7.76367188e-02, -1.55273438e-01,
        -1.91406250e-01,  2.85156250e-01, -1.77734375e-01,  1.25976562e-01,
         1.90429688e-01,  7.91015625e-02,  6.25000000e-02, -2.79296875e-01,
        -1.25000000e-01,  2.20703125e-01, -2.08984375e-01, -2.31445312e-01,
        -8.59375000e-02, -8.59375000e-02,  4.74609375e-01,  2.69775391e-02,
        -2.59765625e-01,  2.35351562e-01,  1.14746094e-01,  5.46875000e-02,
         4.49218750e-01, -6.34765625e-02,  2.65625000e-01, -1.66992188e-01,
```

```
         4.37011719e-02, -2.86865234e-02,  1.14746094e-01, -1.83105469e-03,
        -1.00097656e-01, -2.50000000e-01,  1.62109375e-01, -1.97265625e-01,
         3.85742188e-02,  2.55859375e-01, -9.81445312e-02,  9.71679688e-02,
         3.06640625e-01,  4.19921875e-02, -4.27246094e-02,  2.05078125e-01,
         1.76757812e-01, -2.13867188e-01,  1.83593750e-01,  1.87500000e-01,
        -3.33984375e-01, -1.15234375e-01, -9.76562500e-02, -1.38671875e-01,
         1.23535156e-01, -2.07031250e-01, -4.79125977e-03,  2.83203125e-01,
         7.37304688e-02,  2.28515625e-01,  2.73437500e-02,  1.92382812e-01,
        -3.33984375e-01,  2.59765625e-01, -7.47070312e-02,  6.98242188e-02,
         2.81250000e-01,  2.51953125e-01, -8.39843750e-02, -4.04296875e-01,
        -9.81445312e-02,  2.72216797e-02,  1.07910156e-01, -6.54296875e-02,
        -7.26318359e-03, -2.67578125e-01,  3.18359375e-01, -7.27539062e-02,
         2.70996094e-02, -2.60009766e-02,  1.84570312e-01,  7.72094727e-03,
        -2.69531250e-01,  1.12304688e-01, -1.71875000e-01, -9.27734375e-02,
        -6.73828125e-02, -2.50244141e-02,  2.24609375e-01,  1.56250000e-02,
         5.83496094e-02, -1.42578125e-01,  1.23046875e-01, -2.42919922e-02,
        -1.29882812e-01,  8.20312500e-02, -1.63085938e-01, -2.09960938e-01,
        -3.78417969e-02,  1.17187500e-01,  1.10351562e-01,  3.57055664e-03,
        -1.67083740e-03,  6.25000000e-02,  3.02734375e-01, -4.12597656e-02,
        -7.12890625e-02, -1.13281250e-01, -1.39160156e-02, -3.14941406e-02,
         5.88378906e-02,  2.40234375e-01, -1.64794922e-02,  3.67187500e-01,
         8.78906250e-02,  5.52368164e-03, -4.70703125e-01, -4.51171875e-01,
         3.20312500e-01,  2.55859375e-01,  2.00195312e-01,  2.00195312e-01,
        -1.02050781e-01, -1.92382812e-01, -2.13867188e-01,  7.42187500e-02,
        -5.41992188e-02, -7.95898438e-02, -1.19140625e-01,  5.10253906e-02,
        -1.57226562e-01,  2.31445312e-01,  1.09252930e-02,  9.71679688e-02,
         1.15722656e-01,  1.54296875e-01, -3.41796875e-02,  2.83203125e-01,
        -4.61425781e-02, -3.97949219e-02, -1.66015625e-01,  1.86523438e-01,
         7.22656250e-02,  1.41601562e-01, -6.44531250e-02,  5.93261719e-02,
        -5.15136719e-02,  1.06445312e-01,  1.26953125e-01, -1.55273438e-01,
         4.10156250e-02,  2.27539062e-01,  2.63671875e-01, -1.42578125e-01,
         3.22265625e-02,  2.49023438e-02,  8.17871094e-03,  1.17187500e-01,
        -1.25000000e-01,  9.17968750e-02,  8.83789062e-02,  8.30078125e-02,
        -4.84466553e-04,  2.20947266e-02, -1.58203125e-01,  6.39648438e-02,
         1.25976562e-01,  1.32812500e-01, -1.66015625e-01, -5.34667969e-02,
        -1.22558594e-01, -2.48046875e-01, -1.10839844e-01, -3.83300781e-02,
        -1.65039062e-01,  1.67968750e-01, -1.83593750e-01, -1.66992188e-01,
        -1.62109375e-01,  6.13281250e-01,  1.70898438e-01,  1.61132812e-01,
        -3.96484375e-01,  2.69531250e-01, -5.15136719e-02,  3.84765625e-01,
         9.61914062e-02,  4.51660156e-02,  3.51562500e-01, -4.19921875e-02,
        -7.95898438e-02,  2.73437500e-01, -1.86523438e-01,  1.97265625e-01,
         8.69140625e-02, -8.91113281e-03,  9.64355469e-03, -6.49414062e-02,
        -2.22656250e-01, -3.17382812e-02, -3.37890625e-01, -1.53320312e-01,
         1.49414062e-01,  6.44531250e-02, -3.67187500e-01, -2.55859375e-01,
        -2.15820312e-01, -1.45507812e-01, -4.12597656e-02,  8.69140625e-02,
         1.25000000e-01, -3.75000000e-01,  4.02832031e-02,  1.48437500e-0
1],
       dtype=float32),
 'dashboard': array([ 3.12500000e-01, -3.71093750e-01, -7.61718750e-02, -3.
75000000e-01,
        -1.01074219e-01, -2.68554688e-02,  1.59179688e-01, -3.32641602e-03,
         1.60156250e-01,  2.03125000e-01, -5.71289062e-02, -2.21679688e-01,
         1.44531250e-01,  4.02832031e-03,  1.40625000e-01, -1.77734375e-01,
         6.68945312e-02, -1.56250000e-02, -2.08007812e-01, -2.65625000e-01,
         2.04101562e-01,  3.27148438e-02, -3.00781250e-01,  3.69140625e-01,
         2.40234375e-01,  4.95605469e-02,  6.78710938e-02,  4.72656250e-01,
         1.67968750e-01, -4.63867188e-02, -2.89062500e-01,  2.47070312e-01,
        -1.46484375e-01, -3.78417969e-03,  1.42578125e-01, -4.45312500e-01,
         1.99218750e-01, -1.34765625e-01, -1.51367188e-01, -2.22656250e-01,
         6.59179688e-02,  9.27734375e-02,  4.60815430e-03,  3.28125000e-01,
         1.81640625e-01, -2.14843750e-01, -4.07714844e-02,  1.06445312e-01,
         5.62500000e-01,  5.88378906e-02, -3.20312500e-01, -1.52343750e-01,
         1.01928711e-02, -2.43164062e-01, -1.81640625e-01,  2.06054688e-01,
        -2.13867188e-01,  5.44433594e-02,  3.57421875e-01,  2.53906250e-01,
```

```
        -3.96484375e-01,  2.14843750e-02, -1.71875000e-01, -3.80859375e-02,
        -8.44726562e-02,  2.20703125e-01, -1.42578125e-01, -3.14941406e-02,
         1.37695312e-01, -1.03027344e-01,  2.37304688e-01,  2.08007812e-01,
         1.48437500e-01, -3.12500000e-01, -4.95605469e-02, -6.73828125e-02,
         3.67187500e-01, -9.08203125e-02, -1.94091797e-02, -2.36328125e-01,
         3.53515625e-01,  1.48437500e-01, -4.88281250e-02, -1.31835938e-01,
         2.55859375e-01, -1.97265625e-01,  1.34765625e-01, -2.14843750e-02,
         4.80957031e-02,  8.44726562e-02, -2.16796875e-01, -5.23437500e-01,
         2.22167969e-02,  1.14746094e-01, -2.79296875e-01,  2.83203125e-01,
        -8.98437500e-02, -2.21679688e-01,  1.92382812e-01,  2.18505859e-02,
        -1.45507812e-01, -3.06640625e-01, -3.10058594e-02, -2.91015625e-01,
         1.37695312e-01,  4.73632812e-02,  6.78710938e-02,  3.18359375e-01,
         1.50390625e-01, -3.04687500e-01, -1.14746094e-01, -4.92187500e-01,
         1.31835938e-02, -1.08398438e-01,  2.89062500e-01,  6.54296875e-02,
        -1.73828125e-01, -4.63867188e-02, -4.68750000e-02,  1.68945312e-01,
        -1.68945312e-01, -2.40234375e-01, -3.67187500e-01,  2.85156250e-01,
         2.75390625e-01,  2.26562500e-01, -1.19628906e-02, -6.73828125e-02,
         2.50000000e-01,  4.56542969e-02, -2.40234375e-01, -1.00708008e-02,
         1.82617188e-01,  3.73535156e-02,  3.73046875e-01,  1.40991211e-02,
         4.46777344e-02, -5.71289062e-02,  7.56835938e-02,  7.42187500e-02,
         5.07812500e-02, -1.03515625e-01, -1.84570312e-01, -2.07519531e-02,
         6.98242188e-02,  1.78710938e-01,  1.83593750e-01, -1.42578125e-01,
         2.26562500e-01,  1.03027344e-01,  8.39843750e-02,  2.30468750e-01,
        -1.89208984e-02,  1.63085938e-01,  5.10253906e-02, -3.19824219e-02,
        -1.87500000e-01, -1.21093750e-01, -2.41210938e-01, -6.03027344e-02,
         1.02539062e-01,  2.01171875e-01, -5.63964844e-02, -6.73828125e-02,
        -2.96875000e-01, -1.19140625e-01,  3.71093750e-02, -1.62109375e-01,
        -2.27355957e-03,  1.48437500e-01, -4.19921875e-01,  3.78417969e-02,
        -2.15820312e-01, -1.35742188e-01, -3.54003906e-02, -7.03125000e-02,
         2.14843750e-01, -3.26171875e-01, -2.92968750e-01, -4.90722656e-02,
        -4.47265625e-01,  2.14843750e-02, -8.78906250e-02, -2.22656250e-01,
         2.21252441e-03,  4.41894531e-02, -4.10156250e-01,  2.06054688e-01,
        -2.49023438e-01, -6.29882812e-02, -4.24804688e-02, -4.23828125e-01,
        -3.47656250e-01, -2.77343750e-01,  3.02124023e-03,  5.51757812e-02,
        -8.54492188e-02, -3.02734375e-01, -4.73632812e-02, -7.61718750e-02,
        -2.68554688e-02,  3.56445312e-02, -2.69531250e-01, -1.05590820e-02,
         3.73046875e-01, -2.24609375e-01,  1.73828125e-01,  1.31835938e-01,
         1.29882812e-01, -4.51660156e-02, -9.86328125e-02,  8.05664062e-02,
        -2.65625000e-01, -4.51660156e-02,  7.47070312e-02,  1.02050781e-01,
        -4.71115112e-04,  3.47656250e-01, -1.02050781e-01, -9.52148438e-03,
        -3.71093750e-01, -1.09375000e-01,  5.95703125e-02,  3.15856934e-03,
        -4.06250000e-01, -8.44726562e-02, -4.44335938e-02,  4.33349609e-03,
         7.91015625e-02, -3.94531250e-01,  1.59912109e-02, -1.16210938e-01,
         1.83593750e-01, -2.22656250e-01, -4.34570312e-02, -2.54821777e-03,
        -9.71679688e-02,  5.02929688e-02,  2.26562500e-01, -3.36914062e-02,
         4.17968750e-01, -1.08886719e-01,  1.89208984e-02, -1.52343750e-01,
        -4.39453125e-01, -6.73828125e-02, -5.56640625e-02, -5.93261719e-02,
         2.61718750e-01, -3.12500000e-01, -1.28784180e-02,  1.69921875e-01,
        -9.96093750e-02, -1.36718750e-01, -2.43164062e-01, -1.77734375e-01,
        -1.57226562e-01,  3.36914062e-02,  2.17773438e-01, -2.69531250e-01,
         1.79687500e-01, -1.34765625e-01, -1.29882812e-01, -2.78320312e-02,
        -2.36328125e-01, -4.51660156e-02, -1.58203125e-01, -2.16796875e-01,
        -4.04296875e-01,  7.65991211e-03,  2.15820312e-01,  2.14843750e-01,
         3.73535156e-02,  1.43554688e-01, -2.67578125e-01,  8.83789062e-02,
         1.81884766e-02, -1.87500000e-01,  4.42504883e-03,  1.37329102e-02,
        -4.17480469e-02, -1.59179688e-01,  1.18652344e-01,  7.12890625e-02,
        -4.19921875e-01,  9.27734375e-02, -1.00708008e-02, -1.28906250e-01,
         4.12109375e-01,  6.44531250e-02,  2.23388672e-02,  2.51953125e-01,
         1.98242188e-01,  4.95605469e-02,  1.57470703e-02, -4.19921875e-02,
         2.17773438e-01, -1.23535156e-01, -5.43212891e-03, -8.59375000e-0
2],
       dtype=float32),
 'creation': array([-2.08740234e-02, -3.27148438e-02, -8.44726562e-02,  1.2
8784180e-02,
```

```
 4.83398438e-02, -1.42578125e-01, -4.34570312e-02, -3.22265625e-01,
 4.68750000e-02,  1.65039062e-01, -2.55126953e-02, -3.66210938e-02,
-2.33398438e-01, -2.22656250e-01, -3.44238281e-02,  2.41210938e-01,
-8.64257812e-02,  2.06298828e-02,  4.80957031e-02,  8.64257812e-02,
-4.27246094e-02,  1.91406250e-01, -1.51977539e-02,  2.75390625e-01,
-1.00585938e-01,  3.54003906e-02,  1.43554688e-01, -2.20947266e-02,
 3.80859375e-02, -1.25976562e-01, -1.46484375e-01, -1.18652344e-01,
-5.78613281e-02, -8.30078125e-03,  9.21630859e-03, -2.84423828e-02,
 8.69140625e-02, -2.18505859e-02,  8.05664062e-02,  1.25000000e-01,
 2.23388672e-02,  3.14453125e-01,  2.13867188e-01,  1.58203125e-01,
-9.86328125e-02, -2.51953125e-01, -4.12597656e-02,  1.32812500e-01,
 2.29492188e-02, -3.54003906e-02,  2.69775391e-02,  4.27246094e-02,
-1.06933594e-01, -6.22558594e-03,  1.49414062e-01,  2.35351562e-01,
-1.42578125e-01, -2.47070312e-01, -1.32812500e-01, -1.84326172e-02,
 1.18652344e-01,  1.56250000e-01, -1.94335938e-01, -1.42578125e-01,
 3.32031250e-02,  2.05078125e-01, -1.80664062e-01, -8.30078125e-03,
 1.45507812e-01, -4.76074219e-02,  2.09960938e-02,  2.55126953e-02,
 4.10156250e-02,  1.00585938e-01,  1.04980469e-01, -2.07031250e-01,
 7.91015625e-02,  7.37304688e-02, -1.96289062e-01,  2.00195312e-01,
 1.53320312e-01, -1.21093750e-01,  2.62451172e-02,  6.34765625e-02,
 1.15234375e-01,  4.91333008e-03, -4.02832031e-02,  9.17968750e-02,
-4.10156250e-02, -2.53906250e-01,  8.05664062e-02, -8.20312500e-02,
 4.39453125e-03, -2.09960938e-01,  1.40625000e-01,  1.21582031e-01,
 5.98144531e-02, -3.68652344e-02,  1.88476562e-01,  3.36914062e-02,
-6.25000000e-02,  2.40478516e-02, -4.95605469e-02,  6.00585938e-02,
 3.71093750e-02, -4.49218750e-02, -1.73828125e-01,  1.27929688e-01,
-3.39355469e-02,  9.52148438e-03, -1.66992188e-01,  1.31835938e-01,
 8.10546875e-02,  2.53906250e-01,  3.55468750e-01,  4.83398438e-02,
-2.97851562e-02, -1.34765625e-01,  1.04492188e-01, -1.71875000e-01,
 1.34765625e-01, -1.90734863e-03,  2.97546387e-03,  4.46777344e-02,
 7.08007812e-03,  3.95507812e-02,  6.59179688e-03, -1.75781250e-02,
-2.45361328e-02,  1.37695312e-01,  1.65039062e-01,  1.28906250e-01,
-1.64062500e-01,  1.51367188e-01,  1.47705078e-02,  1.54296875e-01,
-1.98242188e-01, -2.87109375e-01,  2.13623047e-03, -8.98437500e-02,
 2.09960938e-01, -9.81445312e-02, -3.57421875e-01,  5.90820312e-02,
-1.57928467e-03, -1.22070312e-01, -9.37500000e-02, -2.63671875e-02,
 2.16796875e-01, -2.60009766e-02,  8.83789062e-02, -1.54418945e-02,
 4.98046875e-02,  1.83593750e-01,  7.91015625e-02, -1.12304688e-01,
 4.98046875e-02, -6.54296875e-02,  2.53906250e-01, -1.16210938e-01,
 5.59082031e-02, -3.06640625e-01, -1.97265625e-01,  6.20117188e-02,
-8.93554688e-02,  9.27734375e-02,  3.16406250e-01,  2.45361328e-02,
-1.85546875e-01, -1.34765625e-01,  8.69140625e-02, -6.07910156e-02,
 1.55639648e-02,  4.66918945e-03,  8.59375000e-02, -3.75976562e-02,
-4.90722656e-02, -2.02148438e-01,  1.14135742e-02,  1.22680664e-02,
-1.18164062e-01, -3.02734375e-01,  2.22656250e-01, -3.71093750e-01,
-4.32128906e-02,  1.84570312e-01, -1.30859375e-01,  1.05468750e-01,
 7.87353516e-03,  1.56250000e-01, -3.61328125e-02, -7.51953125e-02,
 1.07910156e-01, -2.84423828e-02, -1.13769531e-01, -2.73437500e-01,
-1.21093750e-01, -1.37695312e-01,  2.67578125e-01, -2.91015625e-01,
 3.56445312e-02,  1.05468750e-01,  1.49414062e-01, -2.57812500e-01,
 5.22460938e-02,  4.78515625e-02, -1.46484375e-02,  1.94335938e-01,
 6.71386719e-03, -1.56250000e-02, -4.44335938e-02, -1.37695312e-01,
-1.92382812e-01,  1.28906250e-01, -1.16699219e-01,  1.70898438e-02,
 2.65625000e-01, -3.22265625e-01,  1.44653320e-02, -4.37011719e-02,
 1.44531250e-01, -2.26562500e-01,  2.33154297e-02,  1.71875000e-01,
-8.25195312e-02, -1.14257812e-01, -5.98144531e-02,  6.03027344e-02,
 8.39843750e-02,  1.38671875e-01, -2.04101562e-01, -4.07714844e-02,
-1.48437500e-01,  1.00585938e-01, -7.71484375e-02, -1.22070312e-01,
 7.47070312e-02, -1.46484375e-01,  2.24609375e-01, -4.10156250e-01,
 8.00781250e-02,  3.22265625e-02, -1.74804688e-01,  1.17187500e-02,
 7.56835938e-02, -1.01318359e-02,  1.34765625e-01,  2.53906250e-01,
-1.61132812e-01,  9.57031250e-02, -5.51757812e-02,  1.36718750e-01,
-2.72216797e-02,  6.29882812e-02, -4.85839844e-02,  8.20312500e-02,
 1.21459961e-02, -2.06054688e-01,  1.52587891e-02, -1.31835938e-01,
```

```
         1.54296875e-01,  5.64575195e-03,  1.19628906e-01,  1.95312500e-01,
        -2.11181641e-02,  3.34472656e-02,  3.95507812e-02, -9.32617188e-02,
        -4.53125000e-01,  1.19140625e-01, -1.01074219e-01, -3.90625000e-02,
        -2.01416016e-02, -1.08398438e-01,  8.20312500e-02, -8.54492188e-02,
        -3.56445312e-02,  1.75781250e-02,  1.96533203e-02, -2.62451172e-02,
         4.49218750e-02, -1.01089478e-04,  1.09863281e-01,  3.00781250e-01,
         2.11914062e-01,  1.75781250e-01, -1.35742188e-01, -1.47460938e-01,
         1.30859375e-01, -1.08398438e-01, -4.39453125e-01, -4.15039062e-02,
        -3.34472656e-02,  1.12304688e-01, -6.54296875e-02,  8.10546875e-02,
         2.49023438e-01, -1.17675781e-01, -8.54492188e-02, -1.74804688e-0
1],
       dtype=float32),
 'notebook': array([-1.70898438e-02,  1.54296875e-01, -7.91015625e-02, -1.2
6342773e-02,
         8.20312500e-02,  1.63574219e-02,  8.20312500e-02, -9.13085938e-02,
         4.37500000e-01, -3.69262695e-03, -2.12890625e-01,  6.00585938e-02,
         2.17773438e-01,  1.04980469e-01,  6.83593750e-02, -1.28906250e-01,
        -5.22460938e-02,  9.37500000e-02,  1.67968750e-01, -3.26171875e-01,
         2.12890625e-01, -4.44335938e-02, -1.73828125e-01, -1.96289062e-01,
        -9.91210938e-02, -6.68945312e-02, -1.51367188e-01,  1.63085938e-01,
         6.73828125e-02,  3.59375000e-01, -1.05590820e-02,  1.14257812e-01,
        -8.20312500e-02,  2.87109375e-01, -8.30078125e-02, -4.07714844e-02,
        -1.66992188e-01,  1.43554688e-01,  1.91650391e-02,  1.00585938e-01,
         2.62451172e-02,  2.18505859e-02,  1.59912109e-02,  1.26953125e-01,
         2.36328125e-01, -9.17968750e-02, -6.64062500e-02,  1.30859375e-01,
         2.08007812e-01, -4.78515625e-02, -2.55859375e-01, -1.32812500e-01,
        -1.77734375e-01,  1.99218750e-01, -2.40234375e-01, -3.80859375e-02,
         1.31835938e-01, -6.64062500e-02,  8.25195312e-02,  2.27539062e-01,
         6.20117188e-02,  6.49414062e-02, -2.37304688e-01,  2.21679688e-01,
         1.64794922e-02,  1.22558594e-01, -2.02148438e-01,  3.24218750e-01,
        -9.96093750e-02,  2.83203125e-01,  1.57226562e-01, -1.44531250e-01,
         2.65625000e-01, -1.81640625e-01, -2.91015625e-01, -1.90429688e-02,
        -2.51953125e-01, -3.24218750e-01,  2.05078125e-01, -1.32812500e-01,
         3.18359375e-01,  1.07421875e-01, -2.89306641e-02,  3.24218750e-01,
         1.00585938e-01, -2.92968750e-01,  1.58203125e-01,  2.08007812e-01,
         9.22851562e-02,  1.59179688e-01, -1.19140625e-01, -2.96875000e-01,
        -1.36718750e-01, -2.91015625e-01, -1.47460938e-01, -4.61425781e-02,
         1.69921875e-01,  5.74218750e-01, -3.07617188e-02, -2.50244141e-02,
        -2.46093750e-01,  3.75976562e-02,  1.99218750e-01, -6.73828125e-02,
        -1.57226562e-01,  8.78906250e-02,  5.27343750e-02, -2.47802734e-02,
         9.61914062e-02,  1.83105469e-02, -1.21582031e-01, -2.26562500e-01,
        -7.08007812e-02,  5.00488281e-02, -5.41992188e-02,  1.57226562e-01,
         6.07910156e-02, -1.19140625e-01,  7.51953125e-02, -1.89453125e-01,
        -1.19140625e-01,  1.84570312e-01, -1.20605469e-01,  1.31835938e-02,
         1.58203125e-01, -2.13867188e-01, -3.24218750e-01, -4.95910645e-04,
        -1.73828125e-01,  4.71191406e-02, -1.28906250e-01, -3.41796875e-01,
        -1.67968750e-01,  1.13281250e-01, -9.57031250e-02,  2.46093750e-01,
        -6.49414062e-02,  2.41210938e-01, -4.49218750e-01, -2.71484375e-01,
        -2.12890625e-01, -2.23388672e-02,  6.68945312e-02, -2.20703125e-01,
        -6.73828125e-02, -2.27539062e-01,  2.53906250e-01,  1.03759766e-02,
        -1.38671875e-01, -3.12500000e-01,  2.33398438e-01, -1.52343750e-01,
        -1.70898438e-01,  2.03125000e-01, -1.17675781e-01,  2.48046875e-01,
        -1.63085938e-01, -2.16796875e-01, -6.44531250e-02,  3.41796875e-01,
        -1.57226562e-01, -1.03515625e-01, -4.60815430e-03, -1.26953125e-01,
        -7.76367188e-02,  2.91015625e-01,  2.55859375e-01, -9.66796875e-02,
        -4.62890625e-01, -1.19628906e-01,  8.54492188e-03, -2.87109375e-01,
        -3.55468750e-01, -1.36718750e-01, -4.43359375e-01,  9.37500000e-02,
         1.66015625e-01, -1.89453125e-01, -4.22363281e-02,  3.90625000e-02,
        -2.59765625e-01, -5.11718750e-01,  6.44531250e-02, -1.45507812e-01,
        -6.68945312e-02, -1.87500000e-01, -8.10546875e-02, -1.15356445e-02,
         1.20605469e-01,  7.03125000e-02,  1.88476562e-01, -5.24902344e-02,
        -1.89453125e-01,  6.29882812e-02, -1.41601562e-01,  5.23437500e-01,
         2.07519531e-02, -1.66015625e-01, -2.03125000e-01, -1.93359375e-01,
         7.51953125e-02, -4.05273438e-02, -1.35742188e-01,  2.42187500e-01,
```

```
         2.18750000e-01, -1.53320312e-01, -2.41210938e-01, -2.38281250e-01,
        -1.30615234e-02,  4.78515625e-02,  6.07910156e-02,  2.71484375e-01,
        -2.08007812e-01, -1.61132812e-01, -6.59179688e-02,  1.21093750e-01,
         8.97216797e-03,  2.27539062e-01, -2.47070312e-01, -1.41601562e-01,
         1.82617188e-01, -4.63867188e-02, -1.57226562e-01,  4.64843750e-01,
        -1.86523438e-01,  5.41992188e-02, -1.60156250e-01,  1.29882812e-01,
        -4.27246094e-02, -3.53515625e-01, -3.06396484e-02,  1.63085938e-01,
        -2.24609375e-02, -4.70703125e-01, -1.84570312e-01,  1.12915039e-02,
        -2.55859375e-01,  2.05078125e-01, -1.25000000e-01,  6.74438477e-03,
         8.74023438e-02, -2.09960938e-01,  1.73950195e-03, -2.03125000e-01,
         1.43554688e-01, -6.44531250e-02, -9.27734375e-02, -1.04003906e-01,
         8.39843750e-02,  2.50000000e-01,  1.13525391e-02,  4.00390625e-01,
         1.90429688e-01,  3.63769531e-02, -2.81982422e-02, -2.65625000e-01,
        -1.81884766e-02, -1.06933594e-01,  4.19921875e-02,  6.34765625e-02,
         2.98828125e-01,  3.35937500e-01, -1.42578125e-01, -6.39648438e-02,
        -3.24707031e-02,  1.94335938e-01, -1.46484375e-01, -1.06933594e-01,
        -3.29589844e-02,  3.41796875e-02,  1.22558594e-01, -5.93261719e-02,
        -1.78710938e-01,  6.49414062e-02,  1.35742188e-01, -1.05468750e-01,
         2.91015625e-01, -3.67187500e-01, -2.83203125e-01,  3.08593750e-01,
         4.33593750e-01, -7.76367188e-02,  4.54711914e-03,  1.34765625e-01,
         1.58203125e-01, -1.72851562e-01, -2.26562500e-01,  2.81250000e-01,
         1.06933594e-01,  2.16796875e-01, -3.07617188e-02, -1.37695312e-01,
         2.06054688e-01, -1.02539062e-01, -2.92968750e-02, -1.30859375e-01,
        -7.17773438e-02,  1.68945312e-01, -3.08593750e-01,  3.14331055e-0
3],
       dtype=float32),
 'deck': array([-1.23046875e-01,  1.81640625e-01, -4.85839844e-02,  1.15966
797e-02,
        -3.07617188e-02, -2.41210938e-01, -3.60488892e-04, -5.51757812e-02,
         2.25585938e-01,  8.34960938e-02,  1.66015625e-01, -2.87109375e-01,
         3.49121094e-02, -2.08007812e-01, -2.78320312e-02, -5.34667969e-02,
        -7.69042969e-03, -3.41796875e-01,  2.45117188e-01,  1.16699219e-01,
         2.50000000e-01,  1.25000000e-01, -7.37304688e-02, -2.57812500e-01,
         4.76074219e-02, -1.70898438e-02,  1.80664062e-02,  4.92187500e-01,
         2.00195312e-02, -1.94335938e-01, -1.54296875e-01, -3.14941406e-02,
         6.54296875e-02, -7.95898438e-02,  1.51367188e-01, -9.13085938e-02,
         1.91406250e-01,  2.01171875e-01,  1.19140625e-01, -2.87109375e-01,
        -2.06298828e-02, -2.98828125e-01,  2.42187500e-01, -1.04003906e-01,
         7.66601562e-02, -2.31445312e-01, -1.82617188e-01,  3.95507812e-02,
         2.50000000e-01, -4.73632812e-02, -1.40625000e-01,  1.00097656e-01,
         2.67578125e-01, -3.14453125e-01,  5.85937500e-02,  1.92871094e-02,
         1.10839844e-01,  2.42919922e-02,  1.25000000e-01, -9.58251953e-03,
         2.59399414e-03,  1.66015625e-02, -2.87109375e-01,  2.41699219e-02,
         1.77734375e-01, -3.36914062e-02, -1.05468750e-01, -7.23266602e-03,
        -2.92968750e-01,  1.81640625e-01,  2.53906250e-01, -5.37109375e-02,
         3.80859375e-01, -2.89306641e-02, -1.99218750e-01, -7.91015625e-02,
         1.84570312e-01,  2.00195312e-02, -2.60009766e-02, -3.69262695e-03,
        -4.71191406e-02, -3.97949219e-02,  3.88183594e-02, -1.30859375e-01,
         1.10351562e-01,  8.64257812e-02,  5.78613281e-02,  3.22265625e-02,
         2.57812500e-01,  5.61523438e-02, -1.66992188e-01,  1.29882812e-01,
        -8.44726562e-02,  4.08203125e-01,  4.32968140e-04, -1.01318359e-02,
        -6.88476562e-02, -7.56835938e-02, -1.58203125e-01, -1.67968750e-01,
         8.78906250e-02, -5.61523438e-02,  6.00585938e-02, -1.41601562e-01,
        -2.45117188e-01,  1.70898438e-01,  2.91015625e-01,  3.55529785e-03,
        -1.45507812e-01, -4.51660156e-02,  1.16210938e-01, -1.34765625e-01,
         7.95898438e-02, -1.02050781e-01,  1.25732422e-02,  2.49023438e-01,
         1.56250000e-01,  1.26953125e-01, -1.39648438e-01,  1.43554688e-01,
        -3.06640625e-01, -6.00585938e-02,  1.56250000e-01,  1.38671875e-01,
         7.91015625e-02, -3.73046875e-01, -2.32421875e-01,  1.77001953e-02,
         2.99072266e-02,  1.10351562e-01,  2.98828125e-01,  2.71484375e-01,
        -1.33789062e-01, -1.60156250e-01, -1.36718750e-01, -6.83593750e-02,
         5.15747070e-03,  4.56542969e-02, -1.93359375e-01,  1.50390625e-01,
        -7.66601562e-02,  1.40625000e-01, -8.39843750e-02,  6.68945312e-02,
         9.22851562e-02, -3.56445312e-02, -9.52148438e-02, -6.29882812e-02,
```

```
         1.33789062e-01,  2.40478516e-02,  1.01562500e-01,  2.91748047e-02,
        -7.95898438e-02,  4.56542969e-02,  7.81250000e-02, -5.85937500e-02,
         5.71289062e-02, -4.51171875e-01,  6.12792969e-02,  3.97949219e-02,
         6.78710938e-02, -2.71484375e-01,  1.52343750e-01, -1.55273438e-01,
         1.38671875e-01, -1.25976562e-01, -3.10058594e-02, -1.42578125e-01,
        -1.51367188e-01, -4.61425781e-02, -1.91406250e-01, -1.13769531e-01,
        -1.82617188e-01, -2.36328125e-01, -7.47070312e-02, -1.11816406e-01,
        -6.88476562e-02, -7.03125000e-02, -1.83593750e-01,  5.10253906e-02,
        -2.61718750e-01,  3.27148438e-02, -2.77343750e-01, -1.83593750e-01,
         2.30468750e-01, -1.27929688e-01,  3.65234375e-01, -1.47460938e-01,
         2.57812500e-01, -6.03027344e-02,  3.61328125e-01, -1.81640625e-01,
        -2.13867188e-01, -2.59765625e-01,  2.95410156e-02,  2.85156250e-01,
         5.24902344e-02,  1.60156250e-01, -1.69921875e-01, -3.14453125e-01,
        -1.70898438e-01,  3.46679688e-02, -3.63281250e-01, -2.50000000e-01,
        -1.23046875e-01,  4.73632812e-02, -8.59375000e-02,  1.17187500e-01,
        -2.01171875e-01,  6.64062500e-02, -1.86523438e-01,  1.22070312e-01,
        -3.90625000e-01,  9.57031250e-02,  1.66992188e-01, -7.12890625e-02,
        -1.28906250e-01,  6.49414062e-02, -1.25976562e-01,  5.49316406e-02,
        -1.39648438e-01, -1.30615234e-02,  3.90625000e-02, -6.05468750e-02,
         9.15527344e-03, -6.29882812e-02, -2.17773438e-01,  4.37500000e-01,
         9.91210938e-02, -1.26953125e-01, -1.89453125e-01, -1.36718750e-01,
         5.59082031e-02, -1.88476562e-01,  8.78906250e-02,  7.17773438e-02,
         2.08984375e-01,  1.73828125e-01,  2.42187500e-01,  6.03027344e-02,
         1.01928711e-02,  1.75781250e-01, -1.67968750e-01, -2.85156250e-01,
        -6.44531250e-02, -1.23046875e-01,  8.00781250e-02, -1.59912109e-02,
        -9.66796875e-02, -1.52343750e-01,  8.54492188e-02, -1.45507812e-01,
         2.40478516e-02, -7.81250000e-03,  3.05175781e-02, -3.10546875e-01,
        -2.32421875e-01,  6.98242188e-02, -1.28906250e-01,  8.78906250e-02,
        -2.20703125e-01, -1.05468750e-01, -2.03125000e-01, -3.14941406e-02,
        -1.97265625e-01, -3.54003906e-03,  7.95898438e-02, -6.54296875e-02,
        -3.02734375e-01,  3.68652344e-02,  4.98046875e-02,  9.17968750e-02,
         1.91406250e-01,  1.64062500e-01, -1.01562500e-01,  2.42187500e-01,
         9.81445312e-02, -1.43554688e-01,  4.44335938e-02, -2.41210938e-01,
         5.66406250e-02,  4.63867188e-02,  9.52148438e-02,  2.36816406e-02,
         5.24902344e-02,  2.72216797e-02, -1.79687500e-01,  2.16064453e-02,
        -1.23596191e-03, -5.32226562e-02,  5.83496094e-02,  1.44531250e-01,
        -1.82617188e-01,  1.05590820e-02,  2.81250000e-01, -1.19140625e-01,
         2.40234375e-01, -3.32031250e-01,  1.15722656e-01,  6.05468750e-0
2],
       dtype=float32),
 'narrative': array([ 0.40625   , -0.24804688, -0.16796875, -0.0612793 ,
0.00488281,
         0.05517578,  0.23046875,  0.18847656, -0.01574707, -0.23925781,
        -0.19726562,  0.03295898,  0.07763672,  0.29492188, -0.0035553 ,
         0.17578125,  0.16601562,  0.05102539, -0.04199219, -0.47070312,
        -0.08642578,  0.05395508,  0.12792969,  0.18261719,  0.12402344,
        -0.21679688, -0.06787109,  0.17089844,  0.24511719,  0.10351562,
        -0.09912109, -0.16894531, -0.07519531,  0.20996094,  0.12988281,
         0.0612793 ,  0.10351562,  0.06103516,  0.2109375 , -0.04394531,
         0.2890625 ,  0.18164062,  0.10107422,  0.13378906,  0.06884766,
         0.16699219,  0.07080078, -0.01190186,  0.1875    , -0.16503906,
         0.02502441, -0.20800781, -0.30273438, -0.11181641,  0.27734375,
        -0.05224609, -0.03955078, -0.04785156,  0.04858398, -0.43164062,
         0.17773438,  0.17675781,  0.09863281, -0.30078125,  0.07666016,
         0.08789062, -0.10839844,  0.14453125,  0.20214844, -0.15820312,
        -0.01782227,  0.08837891, -0.06445312, -0.24316406, -0.17773438,
        -0.16113281,  0.06396484,  0.13574219,  0.3046875 , -0.1328125 ,
         0.25976562,  0.20117188,  0.03198242, -0.29101562, -0.14453125,
         0.07275391, -0.20019531,  0.01330566,  0.12988281, -0.02111816,
         0.07714844, -0.05834961, -0.12597656,  0.19433594,  0.02722168,
        -0.02209473,  0.0020752 , -0.27929688, -0.05493164, -0.03320312,
        -0.01324463,  0.09570312,  0.00069046,  0.0168457 ,  0.07421875,
        -0.09375   ,  0.02832031, -0.10791016, -0.02478027,  0.02441406,
        -0.09960938, -0.07275391,  0.22753906, -0.05981445,  0.14160156,
```

```
        -0.08447266, -0.07177734,  0.07958984,  0.13378906,  0.20214844,
        -0.26757812, -0.13574219,  0.28515625, -0.00469971,  0.15039062,
         0.12207031, -0.16894531,  0.16503906, -0.38476562,  0.06933594,
        -0.12109375, -0.15039062, -0.05151367,  0.03466797,  0.15429688,
         0.16503906, -0.10205078, -0.24804688, -0.02392578,  0.13183594,
         0.171875  , -0.27929688, -0.09570312,  0.08007812, -0.18847656,
         0.04101562, -0.00163269,  0.41210938, -0.18847656,  0.09130859,
        -0.00646973, -0.19042969,  0.29882812,  0.30859375,  0.04370117,
        -0.43554688, -0.15527344, -0.140625  , -0.14648438, -0.00291443,
        -0.04101562, -0.08056641, -0.15039062,  0.15625   , -0.11669922,
        -0.08105469,  0.31640625, -0.15625   , -0.07714844, -0.02868652,
         0.07714844, -0.07421875, -0.09228516, -0.2734375 ,  0.25      ,
        -0.14648438,  0.03857422, -0.19335938, -0.13574219, -0.04003906,
        -0.14257812, -0.18164062, -0.08642578, -0.16308594, -0.03515625,
         0.04418945, -0.02026367,  0.01483154,  0.12890625,  0.14453125,
         0.20019531,  0.02478027,  0.17382812, -0.15625   ,  0.01031494,
        -0.00082016, -0.27929688,  0.02722168, -0.25      ,  0.13378906,
         0.13964844,  0.04101562, -0.18457031,  0.07128906,  0.05981445,
         0.00500488,  0.01965332, -0.00494385, -0.05810547, -0.13964844,
         0.00087738,  0.19140625, -0.07470703,  0.04223633, -0.13964844,
        -0.00279236, -0.13867188,  0.04882812,  0.04589844, -0.25585938,
        -0.05566406,  0.36132812,  0.10449219,  0.13671875,  0.0145874 ,
        -0.0189209 , -0.06884766,  0.1640625 ,  0.17578125,  0.01391602,
        -0.07275391,  0.02905273, -0.07861328,  0.06542969,  0.13671875,
        -0.16503906,  0.05200195,  0.17871094,  0.21777344, -0.06591797,
        -0.01806641, -0.05908203,  0.16601562,  0.05908203,  0.11572266,
         0.22753906,  0.17773438,  0.23828125,  0.0267334 ,  0.23535156,
         0.1875    ,  0.06445312, -0.15527344,  0.22070312,  0.00221252,
        -0.328125  , -0.17382812, -0.2890625 ,  0.08056641, -0.02478027,
        -0.08398438,  0.00285339, -0.28125   , -0.09912109, -0.30078125,
         0.4921875 ,  0.13378906, -0.359375  , -0.4375    , -0.09228516,
         0.171875  ,  0.08789062, -0.05151367, -0.04394531,  0.13867188,
         0.00643921, -0.03662109,  0.01660156,  0.10742188,  0.17089844,
         0.04614258, -0.453125  , -0.08789062, -0.2890625 ,  0.15820312,
        -0.06298828, -0.24804688,  0.10058594,  0.10546875,  0.09521484,
        -0.29101562, -0.13867188, -0.08349609, -0.07128906, -0.32226562,
        -0.29296875,  0.375     , -0.23535156,  0.00352478,  0.13671875],
       dtype=float32),
 'supporting': array([-1.74804688e-01,  6.15234375e-02, -1.08398438e-01, -
1.14746094e-01,
        -2.24609375e-01,  2.37304688e-01, -2.49023438e-02, -2.53906250e-02,
         2.38037109e-02,  1.27929688e-01, -2.96630859e-02,  8.54492188e-02,
        -1.16210938e-01,  1.82617188e-01,  3.19824219e-02, -1.08398438e-01,
        -3.17382812e-02, -3.73535156e-02, -1.62109375e-01, -1.20605469e-01,
         3.85742188e-02,  9.08203125e-02, -2.48046875e-01,  5.78613281e-02,
         5.00488281e-02, -1.46484375e-02, -5.15136719e-02,  2.66113281e-02,
        -1.48437500e-01, -6.83593750e-02,  1.51367188e-01, -2.24609375e-01,
        -2.13623047e-02,  4.51660156e-02,  2.11914062e-01,  1.65039062e-01,
        -1.54418945e-02,  1.66015625e-02, -7.37304688e-02, -1.06811523e-02,
         1.83593750e-01,  1.23535156e-01,  1.53808594e-02, -2.05078125e-02,
        -2.19726562e-01, -2.00195312e-01, -1.33789062e-01,  9.22851562e-02,
         1.07421875e-01, -3.24707031e-02,  4.15039062e-02, -2.92968750e-02,
        -1.11328125e-01, -9.96093750e-02,  1.03759766e-02,  5.44433594e-02,
        -5.44433594e-02, -3.09753418e-03, -1.20117188e-01, -7.76367188e-02,
        -4.22363281e-02,  3.55468750e-01, -2.30712891e-02, -1.97265625e-01,
        -2.29492188e-02,  8.34960938e-02, -1.48437500e-01,  1.07910156e-01,
         7.66601562e-02,  1.50390625e-01,  1.58691406e-02, -5.27343750e-02,
         1.05957031e-01,  4.29687500e-02, -2.55126953e-02, -1.10839844e-01,
         3.22265625e-01, -1.87988281e-02,  3.14453125e-01,  1.15722656e-01,
        -1.17675781e-01,  5.78613281e-02, -2.63671875e-02, -3.44238281e-02,
        -1.86157227e-03, -1.45507812e-01, -2.31445312e-01, -1.08032227e-02,
         2.92968750e-02,  2.16674805e-03,  3.71093750e-02,  8.98437500e-02,
         3.80859375e-02, -1.38671875e-01,  1.48437500e-01,  3.46679688e-02,
         3.73535156e-02, -7.44628906e-03, -3.68652344e-02,  5.34667969e-02,
```

```
        -3.30078125e-01, -6.88476562e-02,  3.18359375e-01,  2.12402344e-02,
        -2.07031250e-01, -1.97753906e-02,  6.93359375e-02, -1.96289062e-01,
         2.07031250e-01,  1.49536133e-02, -3.28125000e-01, -1.27929688e-01,
        -1.85546875e-01,  1.91406250e-01,  6.44531250e-02, -3.54003906e-02,
        -7.86132812e-02,  7.66601562e-02,  1.47460938e-01, -6.34765625e-02,
         1.95312500e-01,  2.07519531e-02,  2.02636719e-02,  1.30859375e-01,
        -1.58203125e-01, -1.59179688e-01, -3.32031250e-02, -7.01904297e-03,
        -1.64062500e-01,  3.95507812e-02, -2.42614746e-03, -9.47265625e-02,
         1.84631348e-03, -1.77764893e-03, -7.66601562e-02, -1.45507812e-01,
         7.91015625e-02, -2.55859375e-01,  5.20019531e-02,  1.07910156e-01,
         2.17285156e-02,  5.95703125e-02,  1.22558594e-01, -6.25000000e-02,
        -7.42187500e-02, -9.42382812e-02, -1.56250000e-01, -1.11816406e-01,
         4.13894653e-04,  2.50244141e-02, -3.75976562e-02, -4.41894531e-02,
        -1.53320312e-01, -1.08886719e-01,  2.22656250e-01,  5.05371094e-02,
         1.57165527e-03, -4.41894531e-02,  4.49218750e-02, -8.00781250e-02,
        -8.12530518e-04, -3.24707031e-02, -2.41088867e-03,  1.38671875e-01,
         2.63977051e-03, -1.67968750e-01, -5.51757812e-02,  5.41992188e-02,
        -1.35742188e-01, -2.44140625e-01, -1.40625000e-01, -8.44726562e-02,
         3.45703125e-01, -2.33398438e-01,  1.17675781e-01, -1.27929688e-01,
        -3.39355469e-02, -1.29882812e-01,  1.37329102e-02,  5.66406250e-02,
        -2.26562500e-01, -2.38281250e-01, -4.29687500e-02, -6.73828125e-02,
        -7.27539062e-02, -4.71191406e-02, -3.73046875e-01,  6.05468750e-02,
         2.89306641e-02, -8.93554688e-02,  6.64062500e-02,  4.66308594e-02,
         8.39843750e-02, -1.47460938e-01, -4.12597656e-02,  1.36718750e-01,
         1.56250000e-01, -7.14111328e-03,  1.54296875e-01, -7.12890625e-02,
        -6.22558594e-02,  1.66992188e-01,  8.98437500e-02, -2.00195312e-01,
        -3.19824219e-02,  1.04003906e-01, -8.34960938e-02,  1.15966797e-02,
        -6.15234375e-02, -9.86328125e-02,  2.11914062e-01,  8.93554688e-02,
         6.00585938e-02,  1.04980469e-01, -8.69140625e-02, -7.26318359e-03,
         1.21459961e-02,  4.42504883e-03, -1.40625000e-01, -1.57470703e-02,
         1.18164062e-01, -9.13085938e-02, -9.61914062e-02,  1.81640625e-01,
        -3.14941406e-02, -1.70898438e-01,  6.25000000e-02, -7.56835938e-02,
         2.30468750e-01, -1.39648438e-01, -6.44531250e-02, -2.91748047e-02,
         4.82177734e-03,  8.05664062e-03, -6.07910156e-02, -1.58203125e-01,
         4.32128906e-02, -2.88085938e-02,  1.22070312e-01, -1.86523438e-01,
        -2.53906250e-01,  1.10839844e-01, -1.49414062e-01,  2.25585938e-01,
         1.20239258e-02, -1.25000000e-01, -7.56835938e-03,  1.69921875e-01,
        -5.12695312e-02, -5.34667969e-02,  2.97851562e-02,  1.71875000e-01,
        -8.00781250e-02,  2.61718750e-01, -5.93261719e-02, -6.83593750e-02,
         7.95898438e-02,  1.43554688e-01, -1.82617188e-01, -5.10253906e-02,
        -2.00195312e-01,  2.44140625e-02,  6.20117188e-02, -5.46875000e-02,
         5.20019531e-02,  6.05468750e-02,  9.64355469e-03,  4.78515625e-02,
        -2.13623047e-02,  3.88183594e-02, -1.77734375e-01, -6.29882812e-02,
         3.90625000e-02, -7.81250000e-02,  2.91015625e-01, -1.49414062e-01,
        -1.22070312e-01,  9.27734375e-02, -2.23632812e-01, -6.39648438e-02,
        -3.78417969e-02,  4.44335938e-02, -1.53320312e-01,  9.86328125e-02,
        -8.83789062e-02,  8.30078125e-02, -8.54492188e-02, -1.82617188e-01,
         5.58593750e-01, -2.24609375e-01, -1.82617188e-01,  1.30859375e-01,
        -2.49023438e-02,  3.71093750e-02,  7.97271729e-04, -1.97753906e-02,
         3.93066406e-02,  2.29492188e-01,  1.41601562e-01,  2.09960938e-0
1],
       dtype=float32),
 'finance': array([ 0.07373047,  0.0625    ,  0.00765991, -0.14160156,  0.1
3671875,
        -0.10498047,  0.12207031, -0.18847656,  0.171875  , -0.19433594,
         0.00244141,  0.05834961, -0.27539062,  0.10205078, -0.3125    ,
         0.08691406,  0.16503906, -0.00318909, -0.00095367,  0.12695312,
         0.05615234,  0.1328125 ,  0.26367188,  0.06933594,  0.27929688,
         0.06835938, -0.10400391, -0.06494141, -0.15722656,  0.00524902,
         0.09082031,  0.12451172,  0.09912109, -0.00527954, -0.03344727,
        -0.07519531,  0.15527344,  0.21386719,  0.17285156, -0.09472656,
         0.1171875 , -0.14648438, -0.03833008,  0.11279297, -0.22851562,
         0.01452637,  0.07861328,  0.11083984, -0.00454712,  0.19238281,
         0.07861328, -0.1796875 ,  0.13378906, -0.03930664, -0.22949219,
```

```
         0.08105469, -0.13671875,  0.12402344,  0.10498047, -0.28320312,
        -0.3203125 , -0.07373047, -0.04199219,  0.13671875,  0.02404785,
        -0.24804688, -0.13867188,  0.12792969,  0.02966309,  0.19824219,
         0.07666016,  0.04785156,  0.3046875 , -0.03564453,  0.18066406,
        -0.01019287, -0.04663086,  0.328125  , -0.16601562, -0.12597656,
        -0.12109375, -0.11474609, -0.17285156,  0.32617188,  0.05566406,
         0.13183594, -0.15039062,  0.10400391, -0.08447266,  0.12304688,
         0.32226562, -0.31445312,  0.08007812,  0.04736328, -0.08105469,
        -0.28125   ,  0.03564453, -0.12402344, -0.02172852,  0.20800781,
        -0.13867188, -0.02368164,  0.0859375 , -0.0055542 ,  0.29101562,
         0.04394531, -0.19628906,  0.07080078,  0.32421875, -0.18359375,
         0.03015137, -0.05249023, -0.09863281, -0.125     ,  0.18261719,
         0.11767578,  0.06835938,  0.12109375,  0.41601562,  0.0612793 ,
         0.08642578, -0.09179688,  0.12158203,  0.06884766, -0.10058594,
        -0.07080078,  0.00921631, -0.32226562,  0.19140625, -0.00939941,
        -0.21777344, -0.10302734,  0.03051758, -0.16503906,  0.0625    ,
         0.16308594, -0.02783203, -0.05224609,  0.08935547,  0.01000977,
         0.08154297, -0.21679688,  0.14453125,  0.13964844, -0.15429688,
        -0.21875   ,  0.0480957 ,  0.19628906, -0.01672363, -0.03295898,
        -0.17578125,  0.04638672,  0.02697754,  0.19726562,  0.1796875 ,
        -0.09326172, -0.01831055, -0.02001953,  0.00482178, -0.14648438,
         0.29492188, -0.24707031,  0.0255127 ,  0.0213623 ,  0.21679688,
         0.16992188, -0.05395508, -0.3125    , -0.03564453, -0.07080078,
        -0.03063965, -0.00482178,  0.25      , -0.22265625,  0.29101562,
        -0.03344727, -0.10302734, -0.18261719, -0.25      , -0.00466919,
        -0.02502441, -0.14453125, -0.09130859, -0.15722656,  0.13574219,
        -0.36132812, -0.10791016,  0.22460938,  0.17773438,  0.13085938,
        -0.11132812, -0.09228516, -0.27929688,  0.09326172,  0.02404785,
         0.30664062,  0.07177734, -0.14453125,  0.20800781, -0.05566406,
        -0.30859375, -0.08300781,  0.15820312, -0.15625   , -0.02709961,
        -0.05078125, -0.02429199, -0.03955078, -0.04638672, -0.23339844,
        -0.21386719, -0.08154297,  0.25195312, -0.03710938,  0.12597656,
         0.09472656, -0.10888672,  0.09960938, -0.03149414, -0.08007812,
        -0.01550293, -0.15820312, -0.06054688, -0.12207031,  0.20605469,
         0.05737305,  0.15722656,  0.18945312, -0.00107574, -0.01434326,
         0.02758789,  0.14453125, -0.14648438, -0.05444336,  0.04174805,
        -0.0234375 ,  0.25585938, -0.06884766,  0.19433594,  0.11328125,
         0.06201172, -0.03808594, -0.15722656,  0.12792969,  0.07861328,
        -0.19921875,  0.03063965, -0.27148438,  0.04003906, -0.20214844,
        -0.01989746,  0.04272461, -0.37695312,  0.18261719, -0.00150299,
        -0.00534058,  0.16503906,  0.29882812,  0.12402344, -0.18554688,
         0.18164062, -0.10302734,  0.23242188, -0.01696777, -0.06982422,
         0.11572266, -0.05029297,  0.02600098, -0.14746094,  0.04882812,
        -0.19433594,  0.05517578,  0.05029297, -0.23242188,  0.03295898,
        -0.15527344, -0.03344727, -0.05419922,  0.17675781, -0.18164062,
        -0.10009766, -0.09130859,  0.03222656, -0.03735352, -0.05200195,
         0.22558594, -0.10986328,  0.05883789,  0.27929688,  0.296875  ,
        -0.30664062,  0.12792969, -0.01745605, -0.08447266, -0.0065918 ,
        -0.10986328,  0.15429688,  0.00656128,  0.11962891,  0.03515625],
       dtype=float32),
 'whole': array([ 0.07519531, -0.0189209 , -0.00537109,  0.23925781, -0.210
9375 ,
        -0.00078201,  0.03027344, -0.19042969,  0.01263428,  0.08691406,
         0.10595703, -0.20703125,  0.05151367, -0.07177734, -0.05053711,
         0.02941895,  0.01409912,  0.08447266, -0.06494141, -0.16992188,
         0.03271484,  0.17480469,  0.03173828,  0.2421875 ,  0.23242188,
         0.12060547, -0.08300781,  0.08544922,  0.03564453,  0.10351562,
        -0.27148438,  0.12207031,  0.06982422,  0.09716797,  0.20214844,
         0.04467773, -0.0324707 , -0.00183105, -0.00976562,  0.20996094,
         0.03222656, -0.13378906, -0.10595703, -0.09765625, -0.01928711,
        -0.0055542 , -0.01940918, -0.02441406,  0.07617188, -0.02514648,
         0.20117188,  0.08691406, -0.0050354 , -0.0144043 ,  0.01916504,
         0.12158203, -0.05053711, -0.13574219,  0.15917969, -0.21582031,
        -0.04833984,  0.21582031,  0.06494141, -0.12890625,  0.15527344,
```

```
        -0.05932617, -0.01165771,  0.00233459, -0.04516602,  0.03417969,
         0.08251953, -0.03088379,  0.32617188, -0.08740234, -0.23828125,
        -0.07226562,  0.05102539, -0.02099609,  0.02758789, -0.08105469,
         0.02490234, -0.02697754,  0.03808594,  0.15625   , -0.18359375,
        -0.10498047, -0.2578125 ,  0.34375   , -0.06152344, -0.04125977,
         0.1640625 ,  0.05078125, -0.09375   , -0.25976562, -0.1640625 ,
         0.02722168, -0.08496094, -0.07324219, -0.015625  , -0.0050354 ,
        -0.17871094, -0.06689453,  0.06933594,  0.01000977, -0.17089844,
         0.13769531, -0.07861328,  0.02099609, -0.01806641, -0.1953125 ,
        -0.05688477, -0.08544922,  0.05712891,  0.06494141,  0.17773438,
         0.08105469,  0.01202393, -0.00227356,  0.26953125, -0.00479126,
        -0.19921875, -0.18066406, -0.21875   ,  0.05224609, -0.06298828,
        -0.01647949, -0.03100586,  0.04052734, -0.0546875 ,  0.15917969,
        -0.14941406,  0.14355469, -0.203125  ,  0.04174805,  0.02758789,
        -0.08203125,  0.09130859, -0.05688477,  0.10253906, -0.02868652,
        -0.01477051, -0.12890625,  0.11767578, -0.02160645, -0.00238037,
        -0.03027344, -0.171875  ,  0.01055908,  0.03198242,  0.01306152,
         0.00485229,  0.01672363, -0.2421875 ,  0.16308594, -0.06591797,
         0.10009766,  0.19921875, -0.31054688, -0.13476562, -0.12207031,
        -0.16894531,  0.09960938,  0.07519531,  0.15722656,  0.03515625,
        -0.01647949,  0.08691406, -0.06689453, -0.01916504, -0.01257324,
        -0.05419922, -0.03564453,  0.08447266, -0.05517578,  0.00848389,
        -0.03320312,  0.20117188, -0.11035156,  0.21679688,  0.10107422,
         0.03637695, -0.15527344, -0.07421875,  0.00735474, -0.14648438,
         0.22070312, -0.03735352,  0.00601196,  0.12304688,  0.01104736,
         0.12890625,  0.03051758,  0.04003906,  0.16210938,  0.15234375,
        -0.06689453, -0.1484375 ,  0.28320312, -0.15136719, -0.17089844,
         0.13769531,  0.09130859, -0.11962891,  0.04248047, -0.01556396,
         0.15820312, -0.03637695, -0.02441406,  0.04052734,  0.03015137,
        -0.06103516,  0.18261719,  0.04174805,  0.0324707 , -0.00309753,
         0.01373291,  0.24609375, -0.04785156, -0.02954102, -0.06835938,
        -0.05493164, -0.01226807, -0.02111816,  0.07910156, -0.02392578,
        -0.16113281,  0.07861328,  0.1015625 , -0.04736328,  0.12792969,
        -0.09912109, -0.02050781,  0.16796875,  0.078125  , -0.11962891,
        -0.14355469,  0.03027344,  0.07763672,  0.11035156,  0.10595703,
         0.07128906,  0.01306152, -0.02368164, -0.08935547, -0.21191406,
        -0.1328125 , -0.00817871,  0.02246094, -0.20605469,  0.22265625,
        -0.06494141,  0.14550781,  0.08154297,  0.10742188,  0.04711914,
        -0.15527344, -0.01422119, -0.20898438,  0.25585938, -0.27929688,
        -0.12255859, -0.21289062, -0.04248047, -0.09570312, -0.0390625 ,
         0.07763672,  0.18164062, -0.04418945, -0.296875  ,  0.05395508,
        -0.23535156,  0.11621094,  0.27734375,  0.02832031, -0.00634766,
        -0.28125   ,  0.06933594,  0.03417969, -0.14746094, -0.06103516,
        -0.01611328,  0.07080078, -0.08544922,  0.15332031, -0.04760742,
         0.0402832 , -0.12158203, -0.12060547, -0.03735352,  0.00576782,
        -0.34179688,  0.20605469, -0.09277344,  0.04516602, -0.13769531,
         0.08447266,  0.05810547, -0.0402832 ,  0.11279297, -0.20117188],
       dtype=float32),
 'typical': array([ 0.18457031,  0.24609375, -0.16210938,  0.11865234,  0.1
0546875,
         0.15234375,  0.19140625, -0.01025391,  0.109375  ,  0.07226562,
         0.02636719,  0.00811768,  0.06079102,  0.06445312, -0.09277344,
         0.22851562, -0.05200195,  0.08398438,  0.0559082 , -0.06982422,
        -0.26171875,  0.15136719, -0.40625   ,  0.09863281,  0.00744629,
         0.07714844, -0.16210938,  0.34960938,  0.13964844,  0.18554688,
         0.09814453, -0.05981445,  0.27929688,  0.02612305, -0.12597656,
        -0.12451172, -0.06030273,  0.08105469, -0.01470947, -0.0378418 ,
         0.38867188, -0.0859375 ,  0.00491333,  0.13476562, -0.06225586,
        -0.15625   , -0.20214844,  0.28320312, -0.00543213, -0.37109375,
         0.06445312, -0.01574707, -0.07421875, -0.01330566,  0.09521484,
         0.05932617, -0.19628906, -0.05639648,  0.14746094, -0.09375   ,
        -0.11425781,  0.0390625 , -0.14648438, -0.0612793 ,  0.1328125 ,
        -0.0625    , -0.10058594,  0.07958984, -0.01818848, -0.0112915 ,
         0.16894531, -0.01306152,  0.19042969, -0.08300781, -0.23925781,
```

```
         0.140625  ,  0.01879883,  0.10107422,  0.01708984,  0.05883789,
         0.0324707 , -0.05078125, -0.18261719,  0.22851562, -0.26757812,
        -0.0480957 , -0.08007812,  0.18261719,  0.12109375, -0.02270508,
        -0.03833008, -0.11132812, -0.1796875 , -0.06054688, -0.10107422,
         0.03369141,  0.04125977, -0.07177734, -0.34179688,  0.16015625,
         0.10253906, -0.22851562, -0.16796875, -0.12597656, -0.11914062,
        -0.08203125,  0.05688477, -0.08056641, -0.02478027, -0.27734375,
         0.07519531, -0.11767578, -0.22363281, -0.03833008,  0.01660156,
        -0.01489258,  0.12988281, -0.09619141,  0.20800781,  0.15234375,
        -0.20605469, -0.19140625,  0.07275391, -0.14160156,  0.15234375,
         0.140625  , -0.0279541 ,  0.0390625 ,  0.02490234, -0.07861328,
        -0.13574219, -0.24902344,  0.10253906,  0.34375   ,  0.00376892,
         0.00454712, -0.04760742,  0.08789062,  0.05541992,  0.13867188,
        -0.1875    , -0.11376953, -0.04199219,  0.23144531,  0.12695312,
        -0.27734375, -0.10644531,  0.08300781,  0.02197266, -0.2578125 ,
         0.07324219,  0.03588867, -0.203125  ,  0.06884766, -0.25390625,
        -0.06933594,  0.05737305,  0.02282715, -0.04150391, -0.08496094,
        -0.01635742,  0.11767578,  0.05541992, -0.16308594,  0.18554688,
         0.22363281,  0.21582031, -0.23046875,  0.00112915,  0.15332031,
        -0.18359375, -0.09863281, -0.0378418 , -0.01953125, -0.00418091,
         0.21777344,  0.12060547,  0.14550781, -0.04516602,  0.16503906,
         0.06005859, -0.20898438, -0.22558594,  0.20703125,  0.03710938,
         0.10058594, -0.03271484, -0.23828125, -0.06542969,  0.15429688,
         0.01806641, -0.01623535, -0.05761719,  0.04125977, -0.0145874 ,
         0.06298828, -0.07470703,  0.01818848, -0.21582031,  0.05981445,
         0.11767578,  0.13183594, -0.10449219,  0.20117188,  0.06982422,
         0.11376953, -0.04052734, -0.21679688,  0.03393555,  0.02770996,
        -0.03125   , -0.01013184,  0.07763672, -0.09375   , -0.0859375 ,
        -0.20800781,  0.07519531,  0.14941406, -0.20800781, -0.07568359,
        -0.02185059,  0.25585938,  0.02770996, -0.10986328,  0.12792969,
         0.10400391,  0.28125   ,  0.0112915 ,  0.07177734,  0.140625  ,
        -0.11230469, -0.02038574,  0.1796875 ,  0.03930664,  0.04785156,
         0.09570312, -0.04370117,  0.0189209 , -0.03039551,  0.171875  ,
         0.05664062,  0.11181641,  0.02294922, -0.234375  , -0.01031494,
         0.10302734, -0.16894531,  0.06347656, -0.04736328, -0.18945312,
         0.078125  ,  0.20410156,  0.06835938, -0.00982666, -0.04272461,
        -0.11914062, -0.10693359,  0.02587891, -0.13769531, -0.21386719,
        -0.046875  , -0.07958984, -0.24121094, -0.23144531,  0.12255859,
         0.08056641,  0.09082031,  0.00686646,  0.02575684,  0.13183594,
        -0.15625   ,  0.07177734,  0.12695312, -0.16894531, -0.0177002 ,
        -0.1015625 , -0.14160156,  0.13671875, -0.03051758, -0.03613281,
        -0.02648926,  0.12597656, -0.109375  ,  0.12402344,  0.1015625 ,
         0.03076172,  0.06298828, -0.09863281, -0.08105469,  0.0612793 ,
        -0.15527344, -0.078125  ,  0.02734375,  0.20117188, -0.02392578,
        -0.01055908,  0.19042969, -0.11572266, -0.00311279,  0.10107422],
       dtype=float32),
 'weaving': array([ 4.74609375e-01, -3.41796875e-02, -1.65039062e-01, -1.31
835938e-01,
         5.10253906e-02, -5.46875000e-02,  1.77734375e-01, -1.79687500e-01,
        -2.53906250e-01,  2.61718750e-01,  9.91210938e-02, -4.68750000e-02,
        -1.84570312e-01,  2.65625000e-01, -3.47656250e-01, -3.45703125e-01,
        -2.30468750e-01,  8.98437500e-02,  4.76074219e-02, -4.02832031e-02,
        -2.32421875e-01,  9.61914062e-02, -7.37304688e-02, -1.16699219e-01,
         3.06640625e-01, -1.58203125e-01, -4.56542969e-02, -1.18164062e-01,
         7.08007812e-02, -2.40478516e-02, -2.59765625e-01, -7.56835938e-02,
         1.48437500e-01,  2.84423828e-02,  1.81640625e-01,  1.73828125e-01,
         8.49609375e-02, -3.88671875e-01,  2.96630859e-02, -9.32617188e-02,
         8.39843750e-02,  2.09960938e-01,  1.81884766e-02, -1.69921875e-01,
        -4.14062500e-01,  1.84570312e-01, -1.60156250e-01,  1.07910156e-01,
         4.58984375e-01,  1.21093750e-01,  1.42578125e-01, -1.86767578e-02,
        -1.22070312e-01, -7.76367188e-02,  6.88476562e-02,  2.73437500e-01,
         1.29882812e-01,  1.46484375e-02,  6.04248047e-03, -3.47656250e-01,
         1.78710938e-01,  1.44531250e-01,  2.19726562e-03, -3.69140625e-01,
         2.71484375e-01,  4.57031250e-01, -2.38281250e-01, -4.00390625e-02,
```

```
         6.25610352e-03, -1.79687500e-01, -1.25000000e-01,  8.83789062e-02,
        -5.54199219e-02, -3.37890625e-01, -1.23046875e-01, -1.49414062e-01,
        -1.06933594e-01, -8.83789062e-02,  1.55029297e-02,  4.98046875e-02,
        -1.25000000e-01, -1.20605469e-01,  7.76367188e-02, -3.43750000e-01,
         4.00390625e-01,  9.61914062e-02, -5.39550781e-02, -1.10839844e-01,
        -6.98242188e-02,  2.55859375e-01,  1.83593750e-01,  2.08007812e-01,
         2.18750000e-01,  8.05664062e-02, -9.39941406e-03, -5.10253906e-02,
         1.47460938e-01, -2.07031250e-01, -5.66406250e-02,  6.22558594e-02,
         7.01904297e-03, -4.14062500e-01,  2.42187500e-01,  8.83789062e-02,
         1.76757812e-01, -7.59887695e-03,  2.34375000e-01, -1.04003906e-01,
         2.66113281e-02, -2.33398438e-01,  9.86328125e-02,  1.18652344e-01,
         6.93359375e-02, -8.05664062e-03,  9.52148438e-02, -1.56250000e-01,
        -1.52343750e-01, -5.22460938e-02, -5.02929688e-02, -9.13085938e-02,
         2.21679688e-01,  2.17773438e-01,  1.75781250e-01, -6.93359375e-02,
         1.12304688e-01,  3.35937500e-01, -1.27929688e-01,  1.26953125e-01,
         4.41894531e-02, -2.01416016e-02, -3.06640625e-01, -4.83398438e-02,
         4.44335938e-02,  5.29785156e-02,  2.13867188e-01,  6.78710938e-02,
        -2.23632812e-01, -1.45507812e-01, -6.25000000e-02, -3.73535156e-02,
         6.29882812e-02, -2.59765625e-01, -2.39257812e-01,  2.00195312e-02,
         1.01074219e-01,  4.74609375e-01, -6.93359375e-02,  1.32812500e-01,
        -1.01562500e-01, -1.07574463e-03,  1.89453125e-01, -2.08984375e-01,
         8.88671875e-02,  2.20703125e-01, -2.07031250e-01, -4.83398438e-02,
        -3.56445312e-02,  1.63574219e-02, -2.01171875e-01, -1.82617188e-01,
        -2.63671875e-01,  1.31835938e-01, -4.29687500e-02, -2.30468750e-01,
        -2.13867188e-01,  1.46484375e-01,  1.66015625e-01, -1.92382812e-01,
         3.58886719e-02, -6.00585938e-02, -3.31878662e-04,  1.13769531e-01,
        -2.08007812e-01, -6.49414062e-02,  1.67968750e-01,  6.00585938e-02,
        -1.64062500e-01, -1.21093750e-01,  9.42382812e-02,  2.00195312e-01,
         6.93359375e-02, -4.00390625e-01, -1.27929688e-01,  6.59179688e-02,
        -1.03759766e-02,  1.83105469e-02,  5.90820312e-02, -1.41601562e-02,
         9.71679688e-02, -2.08984375e-01,  3.02734375e-01,  2.84423828e-02,
         2.40478516e-02, -3.00292969e-02,  5.11718750e-01, -5.51757812e-02,
         6.29882812e-02, -1.89453125e-01, -5.71289062e-02, -5.20019531e-02,
        -2.27050781e-02, -3.85742188e-02,  7.81250000e-02, -2.77343750e-01,
        -9.32617188e-02, -4.73022461e-03,  1.10839844e-01,  1.41601562e-01,
         2.69531250e-01,  5.83496094e-02,  2.64892578e-02, -2.06054688e-01,
        -8.74023438e-02, -1.96289062e-01,  2.50000000e-01, -5.95703125e-02,
         1.33789062e-01,  2.30468750e-01, -2.12890625e-01, -1.35498047e-02,
        -3.88183594e-02,  1.08886719e-01, -3.95507812e-02,  1.69921875e-01,
        -1.89208984e-03, -1.81640625e-01,  1.25976562e-01, -2.61230469e-02,
         1.36718750e-01, -1.45507812e-01,  2.08984375e-01, -7.26318359e-03,
        -7.66601562e-02,  3.84765625e-01,  1.14257812e-01, -1.72851562e-01,
        -7.32421875e-02,  4.32128906e-02, -8.00781250e-02, -2.14843750e-02,
         8.25195312e-02, -1.02050781e-01, -1.71875000e-01, -1.88476562e-01,
         1.32812500e-01, -2.83203125e-01, -2.47070312e-01, -1.40625000e-01,
         7.42187500e-02, -2.89062500e-01,  1.00097656e-01,  1.04492188e-01,
         2.63671875e-01,  3.47656250e-01,  3.10546875e-01, -5.15625000e-01,
         6.44531250e-02, -8.83789062e-02, -1.76757812e-01,  6.15234375e-02,
         1.70898438e-01,  2.28515625e-01,  3.61328125e-01,  3.97949219e-02,
        -8.30078125e-02,  2.39257812e-01,  3.28125000e-01,  2.58789062e-02,
        -1.86523438e-01, -4.02832031e-02, -2.06054688e-01,  1.82617188e-01,
        -1.27929688e-01,  2.01171875e-01,  5.42968750e-01,  9.27734375e-02,
        -3.86718750e-01, -2.01171875e-01, -3.22265625e-01,  2.11914062e-01,
        -2.22167969e-02,  1.10351562e-01,  1.05957031e-01, -2.57812500e-01,
        -2.59765625e-01, -3.41796875e-02,  7.37304688e-02,  2.31445312e-01,
         3.49609375e-01,  1.54296875e-01, -1.95312500e-01,  7.50732422e-03,
        -1.38671875e-01, -7.17773438e-02, -2.28515625e-01, -1.04980469e-01,
         2.98828125e-01, -2.87109375e-01,  1.38671875e-01,  1.00097656e-0
1],
       dtype=float32),
 'intricate': array([ 0.26367188, -0.140625  , -0.20800781,  0.00157928, -
0.13769531,
         0.04956055,  0.27929688, -0.08300781, -0.10693359,  0.03833008,
         0.05419922, -0.125     , -0.02832031, -0.02770996, -0.26757812,
```

```
         0.07617188,  0.01489258,  0.09716797, -0.07470703,  0.03369141,
        -0.25      ,  0.00418091, -0.06542969,  0.16992188,  0.1953125 ,
        -0.10302734, -0.03393555, -0.33789062, -0.26367188, -0.34570312,
        -0.12988281,  0.46679688,  0.26953125,  0.09912109,  0.10498047,
         0.03564453,  0.15332031, -0.14453125,  0.07324219,  0.00897217,
         0.2734375 ,  0.02905273, -0.11669922,  0.03125   , -0.02160645,
        -0.16308594, -0.12597656,  0.05541992,  0.11035156, -0.18164062,
        -0.10839844,  0.15917969, -0.00762939, -0.25      ,  0.08300781,
         0.18164062,  0.20996094, -0.26171875, -0.00338745, -0.11328125,
         0.10449219, -0.11474609, -0.21289062, -0.21777344,  0.10253906,
        -0.13867188, -0.21875   , -0.13769531, -0.07958984, -0.12597656,
         0.19921875, -0.05932617,  0.06298828, -0.34179688, -0.23535156,
        -0.04394531,  0.2109375 ,  0.0213623 ,  0.08886719,  0.01196289,
        -0.203125  , -0.06347656, -0.05834961, -0.13867188,  0.13671875,
        -0.18359375, -0.24804688, -0.00405884,  0.00921631,  0.27539062,
         0.01403809, -0.1171875 , -0.24121094,  0.18066406, -0.07958984,
         0.0100708 , -0.23144531, -0.49414062,  0.00543213, -0.02478027,
         0.24316406,  0.06396484,  0.04858398, -0.31640625, -0.17773438,
         0.00141144,  0.17382812,  0.03222656,  0.07373047, -0.08642578,
        -0.07519531,  0.29492188,  0.01794434, -0.07568359,  0.17578125,
        -0.11132812, -0.00436401, -0.0378418 ,  0.12597656,  0.09765625,
        -0.09326172, -0.09716797,  0.296875  , -0.03222656, -0.06640625,
         0.12158203,  0.03466797,  0.19042969, -0.00958252,  0.37304688,
        -0.02050781,  0.07958984, -0.09130859,  0.03881836,  0.16113281,
         0.20410156, -0.1484375 ,  0.0177002 , -0.18945312,  0.00537109,
         0.14746094, -0.00527954, -0.23535156,  0.296875  , -0.23339844,
         0.33984375, -0.20117188,  0.05737305, -0.29296875,  0.15722656,
         0.14648438, -0.0246582 ,  0.15039062,  0.06176758,  0.08300781,
        -0.30664062, -0.00286865,  0.05639648,  0.11279297,  0.01287842,
         0.0703125 ,  0.06738281, -0.13085938, -0.109375  , -0.28320312,
        -0.07177734,  0.17382812, -0.68359375,  0.00175476,  0.08203125,
        -0.22949219, -0.11279297, -0.35742188,  0.06884766,  0.11132812,
         0.00692749, -0.34765625,  0.04980469,  0.09277344, -0.13183594,
        -0.09912109, -0.16601562,  0.17871094, -0.1484375 ,  0.08251953,
         0.08789062,  0.24121094, -0.08886719, -0.09814453,  0.03344727,
         0.31445312,  0.06445312,  0.1875    , -0.2734375 , -0.02404785,
        -0.07519531, -0.01904297, -0.3125    , -0.12402344, -0.21972656,
         0.18261719,  0.19824219, -0.17675781,  0.04052734,  0.27734375,
        -0.01104736,  0.12060547, -0.23828125, -0.06445312, -0.05615234,
        -0.23535156,  0.03393555, -0.14160156, -0.12402344,  0.14453125,
        -0.24414062,  0.11962891,  0.29492188, -0.20800781, -0.02807617,
         0.11328125,  0.07470703, -0.30664062,  0.15429688,  0.00328064,
        -0.29882812,  0.10595703,  0.02612305, -0.0378418 ,  0.00915527,
         0.20703125, -0.00296021, -0.01928711,  0.22265625, -0.05004883,
        -0.19335938, -0.01806641, -0.10205078,  0.09619141, -0.16894531,
        -0.06005859, -0.13085938, -0.25390625, -0.09912109,  0.15625   ,
        -0.20019531, -0.08203125,  0.05712891, -0.11132812, -0.0612793 ,
        -0.0859375 ,  0.22558594,  0.12353516,  0.20898438,  0.11914062,
        -0.3359375 , -0.10400391, -0.25585938, -0.16992188,  0.16015625,
         0.12695312, -0.00872803, -0.04345703, -0.06347656, -0.07177734,
         0.3671875 , -0.10791016, -0.24511719, -0.08007812,  0.16992188,
        -0.03662109,  0.03979492, -0.08398438,  0.17285156,  0.296875  ,
        -0.05151367,  0.0324707 , -0.04125977, -0.04272461,  0.20117188,
         0.00552368,  0.1171875 , -0.140625  , -0.02197266,  0.00750732,
         0.02978516, -0.13964844,  0.02197266,  0.24121094,  0.08056641,
        -0.1484375 , -0.08398438,  0.07373047, -0.20703125, -0.36914062,
         0.05371094,  0.24023438, -0.16601562, -0.02148438,  0.03613281],
       dtype=float32),
 'depth': array([-8.93554688e-02,  2.51953125e-01, -1.15356445e-02, -1.6699
2188e-01,
         1.34277344e-02,  6.93359375e-02, -8.36181641e-03, -1.94335938e-01,
         1.15722656e-01,  1.92382812e-01, -3.78417969e-02, -4.78515625e-02,
         1.90429688e-01,  1.70898438e-01, -6.25000000e-02, -5.83496094e-02,
        -9.22851562e-02,  2.23632812e-01, -1.38671875e-01, -4.02343750e-01,
```

```
-8.00781250e-02, -1.69921875e-01, -3.73046875e-01,  1.74804688e-01,
 8.97216797e-03,  3.19824219e-02, -7.71484375e-02, -6.78710938e-02,
-7.11059570e-03, -2.07031250e-01, -2.28515625e-01,  4.37500000e-01,
-6.49414062e-02, -1.37695312e-01, -3.32031250e-02,  9.76562500e-03,
-1.25000000e-01,  1.95312500e-01,  2.12402344e-02, -7.17773438e-02,
 9.76562500e-02, -2.79296875e-01, -3.12500000e-01,  1.05957031e-01,
-6.56127930e-04, -1.25000000e-01, -2.31445312e-01, -2.69531250e-01,
 2.28515625e-01,  2.55126953e-02,  1.09863281e-01, -1.37695312e-01,
-1.04003906e-01, -6.10351562e-02,  1.82617188e-01,  1.13769531e-01,
 8.15429688e-02,  2.03857422e-02,  1.58203125e-01, -2.39257812e-01,
 6.64062500e-02, -1.96289062e-01, -5.21850586e-03, -1.61132812e-01,
 2.13623047e-02, -1.71875000e-01, -2.08984375e-01,  1.14257812e-01,
 4.10156250e-01,  2.31933594e-02, -3.47656250e-01, -6.44531250e-02,
 1.73828125e-01, -7.76367188e-02, -1.05957031e-01, -4.19921875e-02,
 8.69140625e-02,  1.47460938e-01,  9.81445312e-02,  1.24023438e-01,
 9.46044922e-03,  1.55273438e-01, -3.93066406e-02,  6.83593750e-02,
 4.05273438e-02, -1.20605469e-01, -1.34277344e-03,  2.53906250e-01,
 1.23535156e-01,  2.61718750e-01,  1.11816406e-01, -8.05664062e-02,
-7.71484375e-02,  3.37890625e-01,  4.39453125e-02, -8.25195312e-02,
-6.49414062e-02,  2.00195312e-01, -1.19140625e-01, -1.65039062e-01,
 2.33154297e-02, -1.30615234e-02, -1.36718750e-01, -6.64062500e-02,
-1.14257812e-01, -1.78710938e-01, -2.46093750e-01,  8.15429688e-02,
-1.12792969e-01, -1.44531250e-01,  1.09863281e-01,  4.22363281e-02,
-8.49609375e-02, -4.46777344e-02,  1.21582031e-01,  9.81445312e-02,
 2.57812500e-01,  1.03515625e-01,  3.16406250e-01, -2.01171875e-01,
-3.39843750e-01, -1.14257812e-01,  6.98242188e-02,  2.71484375e-01,
-1.51367188e-01, -1.48437500e-01, -1.60156250e-01,  5.76171875e-02,
-1.14257812e-01,  1.29882812e-01, -2.91015625e-01,  7.71484375e-02,
-3.14453125e-01,  1.49414062e-01,  1.71875000e-01, -1.75781250e-01,
 2.87109375e-01, -2.19726562e-01,  1.37695312e-01,  6.20117188e-02,
-2.85156250e-01, -2.34375000e-02,  1.82617188e-01,  1.31835938e-01,
 8.98437500e-02, -2.75390625e-01, -1.65039062e-01,  5.22460938e-02,
-1.70898438e-01,  1.62109375e-01,  6.88476562e-02, -5.71289062e-02,
-1.11328125e-01,  1.05957031e-01, -1.31225586e-02, -1.90429688e-01,
 4.34570312e-02, -3.18359375e-01, -2.98828125e-01, -6.25000000e-02,
 3.35937500e-01,  1.37695312e-01,  1.08032227e-02, -9.52148438e-02,
 1.11328125e-01, -2.09960938e-01, -4.48608398e-03, -2.50000000e-01,
-9.86328125e-02,  2.47802734e-02, -6.25000000e-02, -4.19921875e-02,
-5.29785156e-02, -1.27929688e-01,  5.85937500e-02, -1.25000000e-01,
-2.05078125e-01, -2.28515625e-01,  1.08398438e-01, -2.96875000e-01,
-1.58203125e-01,  1.89453125e-01, -9.81445312e-02, -7.37304688e-02,
-2.33398438e-01, -2.01171875e-01,  1.70898438e-01, -2.40234375e-01,
 9.57031250e-02, -1.60156250e-01,  7.95898438e-02, -6.54296875e-02,
-1.09863281e-01, -2.02148438e-01, -1.07910156e-01,  2.46093750e-01,
 7.37304688e-02,  2.75878906e-02, -5.17578125e-02, -1.21582031e-01,
-6.68945312e-02,  1.83593750e-01, -1.57226562e-01,  1.70898438e-01,
 1.24023438e-01,  6.73828125e-02,  1.59179688e-01, -1.09863281e-01,
 9.91210938e-02,  1.81640625e-01, -8.59375000e-02,  2.96875000e-01,
-8.49609375e-02, -2.01416016e-02, -1.08886719e-01, -1.66015625e-01,
 3.61328125e-01, -1.65039062e-01,  9.27734375e-02,  1.77001953e-02,
-1.37939453e-02,  7.93457031e-03, -2.44140625e-01, -6.25000000e-02,
-4.34570312e-02,  3.90625000e-02,  1.69921875e-01, -3.22265625e-02,
-1.75781250e-01,  2.31445312e-01, -3.34472656e-02,  7.86132812e-02,
-8.15429688e-02,  3.14941406e-02, -1.74804688e-01,  2.00195312e-02,
-2.12890625e-01, -1.48437500e-01,  2.28271484e-02,  1.34765625e-01,
-9.91210938e-02,  1.56250000e-01,  5.02929688e-02, -6.07910156e-02,
 1.38549805e-02,  3.55468750e-01, -4.51660156e-02, -1.79687500e-01,
-4.49218750e-02, -1.90429688e-01,  1.05957031e-01,  1.64062500e-01,
-1.29882812e-01, -3.49426270e-03,  1.15234375e-01, -1.86523438e-01,
 1.69921875e-01, -2.13867188e-01, -1.31835938e-01,  1.98242188e-01,
 3.24218750e-01, -9.42382812e-02, -1.70898438e-01, -4.22363281e-02,
-1.58203125e-01,  2.61718750e-01,  2.92968750e-03,  2.73132324e-03,
 9.17968750e-02, -3.08593750e-01, -1.55273438e-01,  3.66210938e-02,
-2.08984375e-01,  1.68457031e-02, -5.73730469e-03,  4.19921875e-01,
```

```
         1.55273438e-01, -5.71289062e-02,  1.16210938e-01,  8.10546875e-02,
         2.81982422e-02, -1.66015625e-01,  2.55859375e-01,  3.53515625e-01,
        -2.26562500e-01, -4.05273438e-02, -1.26953125e-01,  1.78710938e-01,
         4.80957031e-02, -1.18652344e-01, -1.22558594e-01, -4.29687500e-02,
        -5.68847656e-02, -3.22265625e-02, -2.83203125e-01, -8.96453857e-05,
        -8.39843750e-02, -1.37329102e-03, -1.25000000e-01, -2.83203125e-0
1],
       dtype=float32),
 'empowers': array([ 2.84423828e-02,  5.68847656e-02,  1.39648438e-01, -2.1
9726562e-01,
        -2.08007812e-01,  2.46582031e-02,  3.10546875e-01, -2.95410156e-02,
         1.10473633e-02, -2.81250000e-01, -2.92968750e-01,  1.47094727e-02,
         1.18652344e-01,  2.00195312e-01,  1.08398438e-01,  1.35742188e-01,
        -1.73828125e-01,  3.75000000e-01, -3.08593750e-01,  1.56250000e-01,
        -1.33666992e-02, -1.32812500e-01, -4.14062500e-01,  2.11914062e-01,
        -9.66796875e-02, -5.81054688e-02,  3.68652344e-02,  1.85546875e-01,
        -1.88476562e-01, -2.24609375e-01,  1.66992188e-01, -2.45361328e-02,
        -6.07910156e-02, -2.85156250e-01, -1.00708008e-03,  2.34375000e-02,
        -2.19726562e-01, -2.63671875e-01, -1.84570312e-01,  1.01928711e-02,
        -1.67968750e-01, -1.96533203e-02,  2.79296875e-01,  2.61718750e-01,
        -2.33154297e-02, -2.75390625e-01, -1.15722656e-01, -5.34667969e-02,
        -1.16210938e-01, -1.05957031e-01, -3.14453125e-01, -4.15039062e-02,
         8.34960938e-02,  5.20019531e-02, -9.61914062e-02,  2.02148438e-01,
        -8.88671875e-02, -3.37890625e-01, -1.22558594e-01,  2.51953125e-01,
         5.00000000e-01, -1.23535156e-01, -1.49414062e-01, -1.33789062e-01,
        -5.42968750e-01,  4.54101562e-02, -8.74023438e-02,  4.33593750e-01,
         1.64062500e-01, -1.47460938e-01,  4.15039062e-02, -6.44531250e-02,
         1.28906250e-01,  6.78710938e-02,  3.33984375e-01, -5.70312500e-01,
         4.53125000e-01,  3.47656250e-01,  2.83203125e-01, -8.74023438e-02,
        -2.10937500e-01,  1.55273438e-01, -1.89453125e-01,  4.66308594e-02,
        -4.54711914e-03, -1.56250000e-01, -2.73437500e-01, -1.39648438e-01,
        -5.34667969e-02, -1.03027344e-01, -2.44140625e-02, -2.75390625e-01,
        -9.57031250e-02, -3.82812500e-01, -6.44531250e-02, -2.69531250e-01,
        -3.35937500e-01,  3.69140625e-01,  2.08984375e-01,  1.63574219e-02,
         1.01562500e-01, -5.49316406e-02, -1.47460938e-01,  3.66210938e-02,
        -4.08203125e-01,  2.45117188e-01, -5.68847656e-02, -5.82885742e-03,
        -2.49023438e-02, -1.28906250e-01, -8.00781250e-02, -3.71093750e-01,
        -2.89062500e-01, -4.98046875e-02,  3.82812500e-01,  1.81640625e-01,
        -1.94335938e-01, -6.92749023e-03, -1.16210938e-01, -1.05468750e-01,
        -3.24707031e-02,  3.73046875e-01, -7.27539062e-02,  4.16015625e-01,
         3.20312500e-01, -4.88281250e-02, -2.51953125e-01, -2.80761719e-02,
        -5.88378906e-02,  4.41406250e-01, -8.00781250e-02,  1.23046875e-01,
        -1.01074219e-01, -7.35473633e-03, -8.05664062e-03, -1.72851562e-01,
         2.06054688e-01,  6.73828125e-02,  2.59765625e-01, -3.45703125e-01,
         9.91210938e-02, -1.74804688e-01, -4.54101562e-02, -2.16796875e-01,
        -5.56640625e-02, -1.53320312e-01,  5.15747070e-03, -2.53906250e-01,
         3.69140625e-01, -3.43750000e-01,  3.20312500e-01,  5.29785156e-02,
        -9.66796875e-02,  9.47265625e-02,  2.44140625e-01, -3.19824219e-02,
        -1.47705078e-02,  2.71484375e-01, -2.06054688e-01, -3.98437500e-01,
         2.00195312e-01,  7.76367188e-02, -2.50000000e-01, -1.41601562e-01,
        -1.38671875e-01, -1.11328125e-01, -1.14257812e-01, -1.15722656e-01,
         8.05664062e-02, -1.17675781e-01, -1.77734375e-01,  1.41601562e-01,
         4.37500000e-01, -2.42187500e-01,  5.71289062e-02,  4.10156250e-02,
        -1.52343750e-01, -2.28515625e-01, -5.11718750e-01,  3.00781250e-01,
        -3.63281250e-01, -2.16796875e-01,  2.53906250e-01, -6.83593750e-01,
        -2.23632812e-01, -1.30615234e-02, -2.38281250e-01,  1.65039062e-01,
         1.43554688e-01, -1.50390625e-01, -6.20117188e-02,  9.66796875e-02,
         8.15429688e-02, -9.57031250e-02, -3.56445312e-02, -1.45507812e-01,
        -6.83593750e-02,  1.84570312e-01,  3.61328125e-01, -3.65234375e-01,
        -4.21524048e-04,  1.23901367e-02,  2.78320312e-02, -3.28125000e-01,
        -2.61718750e-01, -1.70898438e-02, -9.52148438e-03,  1.43554688e-01,
        -1.17187500e-02, -3.80859375e-01, -6.34765625e-02,  1.98242188e-01,
         2.39257812e-01,  6.83593750e-02, -6.59179688e-02,  7.76367188e-02,
         4.22363281e-02,  4.47265625e-01, -3.75000000e-01,  1.36718750e-01,
```

```
        -3.57421875e-01,  8.00781250e-02, -3.28063965e-03,  1.82617188e-01,
        -1.41601562e-01,  1.61132812e-01,  6.93359375e-02, -1.32812500e-01,
        -1.41601562e-01,  9.61914062e-02,  2.10937500e-01,  1.96289062e-01,
        -5.07812500e-02,  1.80664062e-01,  1.01074219e-01,  9.86328125e-02,
        -1.90734863e-05,  1.54296875e-01,  1.16699219e-01,  4.04296875e-01,
        -2.55859375e-01, -4.29687500e-02,  2.37304688e-01, -1.60156250e-01,
        -1.75781250e-01, -1.15722656e-01, -3.20312500e-01,  4.31640625e-01,
         4.49218750e-01, -2.96875000e-01,  1.36718750e-01,  2.96630859e-02,
         9.03320312e-02,  1.75781250e-01, -5.52368164e-03, -1.49414062e-01,
        -1.73828125e-01, -1.84570312e-01,  1.04003906e-01, -2.53906250e-02,
        -1.61132812e-01,  1.10351562e-01, -4.41894531e-02,  3.97949219e-02,
        -2.59765625e-01, -5.61523438e-03,  7.08007812e-02,  4.95910645e-04,
        -1.77734375e-01,  8.49609375e-02,  5.61523438e-02,  2.53906250e-01,
        -3.59375000e-01,  1.91406250e-01,  5.34667969e-02, -4.71191406e-02,
        -1.84570312e-01,  4.12109375e-01, -7.08007812e-02,  1.49414062e-01,
        -3.57421875e-01, -2.46093750e-01, -1.73187256e-03,  3.69140625e-01,
        -5.88378906e-02,  1.15203857e-03, -2.98828125e-01, -4.19921875e-02,
         2.51953125e-01, -2.10937500e-01, -1.04980469e-01,  1.37695312e-01,
        -1.28906250e-01, -5.67626953e-03, -3.82812500e-01,  3.04687500e-01,
         4.27246094e-02,  1.04003906e-01, -6.15234375e-02,  4.58984375e-0
1],
       dtype=float32),
 'lead': array([ 2.69775391e-02,  2.51953125e-01,  1.43554688e-01, -2.85156
250e-01,
        -3.35693359e-03, -2.35351562e-01,  1.45507812e-01, -1.91406250e-01,
         6.73828125e-02,  1.67968750e-01,  9.32617188e-02, -5.76782227e-03,
         1.01074219e-01,  1.41601562e-01, -9.81445312e-02, -7.61718750e-02,
         9.22851562e-02,  1.71875000e-01,  3.80859375e-02, -2.11181641e-02,
         1.54296875e-01,  4.66308594e-02,  3.35937500e-01,  4.93164062e-02,
         1.64062500e-01,  1.78710938e-01, -2.94921875e-01, -2.06054688e-01,
        -2.91015625e-01,  2.50000000e-01, -5.17578125e-02,  7.47070312e-02,
        -8.15429688e-02,  1.90429688e-02, -1.33789062e-01, -5.85937500e-02,
        -6.25000000e-02,  4.10156250e-02,  7.61718750e-02,  7.08007812e-02,
         1.78710938e-01, -1.65039062e-01, -4.88281250e-02, -4.76074219e-02,
         2.06298828e-02, -5.90820312e-02, -1.15722656e-01,  1.17187500e-01,
         1.91406250e-01,  7.27539062e-02,  1.38671875e-01,  1.17675781e-01,
         6.73828125e-02, -5.59082031e-02, -2.06054688e-01, -1.70898438e-03,
         2.57568359e-02, -5.85937500e-02,  1.40625000e-01, -7.61718750e-02,
         2.63671875e-01,  5.17368317e-05, -9.03320312e-02,  7.81250000e-02,
        -2.94921875e-01,  1.48437500e-01,  3.19824219e-02,  2.96875000e-01,
        -5.27343750e-02,  1.10839844e-01, -9.42382812e-02, -4.80957031e-02,
         1.39648438e-01, -1.26953125e-01, -4.33593750e-01, -2.69531250e-01,
        -3.00292969e-02,  1.05468750e-01,  3.55468750e-01,  1.52343750e-01,
        -9.32617188e-02, -6.25000000e-02,  6.15234375e-02, -1.61132812e-01,
        -3.95507812e-02,  7.71484375e-02, -3.58886719e-02, -8.88671875e-02,
        -1.67968750e-01, -9.03320312e-02, -1.49414062e-01,  2.16064453e-02,
         1.47705078e-02, -4.71191406e-02,  2.55859375e-01, -2.08984375e-01,
        -1.74804688e-01, -1.26953125e-01, -2.86865234e-02, -3.71093750e-02,
         9.42382812e-02,  1.33666992e-02, -5.49316406e-02,  3.03955078e-02,
        -8.30078125e-02, -3.02734375e-01,  2.44140625e-02, -1.24511719e-01,
        -9.27734375e-02,  1.70898438e-02,  1.43554688e-01, -1.66015625e-01,
         5.24902344e-03, -6.73828125e-02, -2.46582031e-02, -1.33789062e-01,
        -1.65039062e-01,  2.08984375e-01,  2.19726562e-01,  4.63867188e-02,
        -9.08203125e-02, -1.53320312e-01, -1.52343750e-01,  1.16210938e-01,
         8.54492188e-02,  3.37219238e-03, -2.16674805e-03, -1.64062500e-01,
        -5.71289062e-02,  4.27734375e-01,  1.14746094e-01, -2.35351562e-01,
        -5.12695312e-02,  5.98144531e-02, -6.25000000e-02, -9.76562500e-02,
         8.83789062e-02, -2.57568359e-02,  6.05468750e-02, -2.80761719e-02,
        -3.16406250e-01, -1.46484375e-01, -5.27343750e-02, -1.49414062e-01,
        -1.52587891e-03,  1.04980469e-01, -6.44531250e-02,  1.38671875e-01,
        -3.68652344e-02, -2.62451172e-02,  2.36816406e-02, -1.83593750e-01,
        -8.74023438e-02,  7.95898438e-02, -9.76562500e-02,  7.47070312e-02,
        -2.96630859e-02, -2.94921875e-01, -3.29589844e-02, -1.14257812e-01,
        -2.27539062e-01,  8.34960938e-02,  9.27734375e-02, -1.25976562e-01,
```

```
        -2.94494629e-03,  2.67578125e-01, -1.06933594e-01,  7.17773438e-02,
        -1.93359375e-01,  9.39941406e-03, -2.01416016e-02, -1.26953125e-01,
         9.32617188e-02, -1.09863281e-01,  6.15234375e-02, -1.37939453e-02,
        -6.93359375e-02, -4.12597656e-02, -6.59179688e-02,  3.10546875e-01,
        -1.59179688e-01, -1.59179688e-01,  2.15820312e-01,  1.61132812e-01,
        -4.29687500e-01, -7.71484375e-02,  8.05664062e-02,  4.12597656e-02,
         2.29492188e-01, -1.75781250e-01,  1.25976562e-01, -1.55273438e-01,
         3.80859375e-02,  1.32812500e-01, -3.33984375e-01, -6.44531250e-02,
        -1.26953125e-01, -5.10253906e-02,  6.17675781e-02, -2.48046875e-01,
        -4.37011719e-02,  2.22656250e-01,  1.77734375e-01, -1.03515625e-01,
         2.29492188e-01,  2.11181641e-02,  5.32226562e-02, -3.32031250e-01,
        -1.34277344e-02, -1.48437500e-01, -1.32812500e-01,  2.94189453e-02,
         4.27246094e-02,  2.50000000e-01, -5.98144531e-02, -3.55468750e-01,
         6.98242188e-02, -6.78710938e-02, -5.95703125e-02, -1.56250000e-02,
         1.63085938e-01, -4.85839844e-02,  1.02050781e-01, -6.29882812e-02,
         1.02050781e-01, -4.80957031e-02,  2.73437500e-02, -3.35937500e-01,
         3.26171875e-01,  2.59765625e-01,  1.95312500e-01,  7.22656250e-02,
        -1.44531250e-01, -3.80859375e-02, -3.49121094e-02, -2.35595703e-02,
        -9.57031250e-02,  2.10937500e-01,  2.50000000e-01,  5.93261719e-02,
        -1.15722656e-01, -5.29785156e-02,  7.47070312e-02, -9.61914062e-02,
         2.09045410e-03, -3.78417969e-03,  7.08007812e-03,  3.44238281e-02,
         1.73828125e-01, -1.46484375e-01,  3.22265625e-02, -8.30078125e-02,
        -2.04101562e-01, -2.70996094e-02, -2.45117188e-01, -4.15039062e-02,
        -3.32641602e-03, -9.81445312e-02, -1.34765625e-01, -3.35937500e-01,
        -1.94335938e-01,  1.29882812e-01, -2.94189453e-02,  2.59399414e-03,
         1.09375000e-01,  7.12890625e-02,  6.43920898e-03,  7.95898438e-02,
        -5.76171875e-02, -1.08398438e-01, -7.32421875e-03, -1.34765625e-01,
        -2.28515625e-01, -1.91650391e-02,  7.47070312e-02, -9.66796875e-02,
        -1.45507812e-01, -2.63671875e-01,  1.35742188e-01,  2.38037109e-02,
         2.15820312e-01, -1.05468750e-01, -2.15820312e-01,  8.69140625e-02,
        -1.18652344e-01, -8.64257812e-02,  1.19140625e-01,  1.08886719e-01,
         3.85742188e-02, -1.62109375e-01,  1.10351562e-01,  4.46777344e-02,
        -4.66308594e-02, -1.85546875e-01, -8.64257812e-02, -2.45117188e-01,
        -9.96093750e-02,  1.78222656e-02, -1.52343750e-01, -1.11328125e-0
1],
       dtype=float32),
 'project': array([-1.80664062e-02,  8.54492188e-03,  6.98242188e-02,  3.07
617188e-02,
         8.05664062e-02,  3.44238281e-02,  4.41406250e-01,  1.91650391e-02,
         1.10473633e-02,  9.13085938e-02, -8.05664062e-02,  8.66699219e-03,
        -5.66406250e-02, -2.79296875e-01, -3.04687500e-01,  2.66113281e-02,
        -1.01074219e-01, -2.44140625e-01,  1.10473633e-02, -2.19726562e-02,
        -1.27929688e-01,  2.11914062e-01, -4.27246094e-02,  6.34765625e-02,
        -6.12792969e-02, -1.52343750e-01, -4.27246094e-02, -1.40625000e-01,
        -2.41699219e-02, -1.74804688e-01,  1.55639648e-02, -4.61425781e-02,
        -1.83593750e-01, -8.74023438e-02,  1.27929688e-01, -1.05957031e-01,
         7.26318359e-03, -2.64892578e-02,  1.35742188e-01, -1.41601562e-01,
        -1.19628906e-02,  2.43164062e-01,  5.61523438e-02,  1.40625000e-01,
        -3.22265625e-01, -3.39843750e-01, -2.53906250e-01, -1.36718750e-01,
        -2.08984375e-01,  3.61328125e-01,  1.34765625e-01, -1.11816406e-01,
        -1.14257812e-01, -2.27539062e-01,  9.66796875e-02, -6.73828125e-02,
        -3.08837891e-02, -3.17382812e-02,  1.79443359e-02, -4.10156250e-02,
         7.95898438e-02, -1.30859375e-01, -4.56542969e-02, -1.52343750e-01,
        -1.05957031e-01,  6.29882812e-02, -3.32031250e-02, -7.81250000e-02,
         9.47265625e-02,  3.08837891e-02, -8.69140625e-02, -1.71875000e-01,
        -1.13281250e-01, -1.06445312e-01,  1.02539062e-01,  6.78710938e-02,
        -5.90820312e-02,  1.09863281e-02, -1.96289062e-01,  2.28515625e-01,
        -1.02050781e-01, -1.04003906e-01, -7.42187500e-02,  4.68750000e-02,
         1.18652344e-01,  9.22851562e-02, -1.83593750e-01,  1.00097656e-01,
         2.43164062e-01, -1.92871094e-02,  1.47460938e-01, -1.01074219e-01,
        -3.07617188e-02, -4.93164062e-02, -1.18652344e-01,  5.66406250e-02,
        -1.81640625e-01, -2.27928162e-04,  5.78613281e-02,  8.93554688e-02,
         6.39648438e-02,  3.75976562e-02, -9.61914062e-02, -1.79687500e-01,
         2.34375000e-02,  2.51953125e-01, -1.39648438e-01, -1.36718750e-01,
```

```
         1.25976562e-01,  1.46484375e-02,  1.37695312e-01, -4.10156250e-02,
         2.48046875e-01,  8.88671875e-02,  1.66992188e-01, -2.02636719e-02,
        -5.68847656e-02, -1.22558594e-01,  8.25195312e-02, -1.50756836e-02,
        -5.71289062e-02, -4.54101562e-02, -2.16796875e-01,  3.37890625e-01,
        -1.94335938e-01,  8.25195312e-02, -2.59765625e-01, -1.14257812e-01,
        -2.07031250e-01, -1.53808594e-02,  2.36816406e-02,  3.03955078e-02,
         9.42382812e-02, -1.96289062e-01,  1.41601562e-01,  2.19726562e-01,
        -3.66210938e-02,  9.37500000e-02,  6.49414062e-02,  1.67968750e-01,
        -8.00781250e-02, -4.34570312e-02, -1.23046875e-01, -7.81250000e-03,
         7.95898438e-02, -1.77734375e-01, -1.86523438e-01,  5.83496094e-02,
        -1.90429688e-01, -2.61718750e-01,  1.44531250e-01, -3.08593750e-01,
         2.55859375e-01,  3.57421875e-01,  1.30859375e-01,  1.89453125e-01,
        -1.55639648e-02,  9.91210938e-02,  3.12805176e-03, -9.96093750e-02,
         5.78613281e-02,  9.91210938e-02,  1.44531250e-01,  3.92578125e-01,
        -1.55273438e-01,  1.27929688e-01,  3.92578125e-01, -3.54003906e-02,
         5.17578125e-02,  3.55529785e-03,  3.28063965e-03, -1.30859375e-01,
         4.51660156e-02,  2.76184082e-03,  1.36718750e-01, -1.11083984e-02,
        -1.84326172e-02, -1.22070312e-01,  6.54296875e-02,  2.02148438e-01,
        -1.20117188e-01,  1.93786621e-03, -2.09960938e-01, -9.52148438e-02,
        -4.29687500e-02, -7.22656250e-02,  6.78710938e-02, -2.84423828e-02,
        -6.29882812e-02,  6.17675781e-02, -2.63671875e-01, -8.74023438e-02,
         7.86132812e-02, -4.15039062e-02, -2.46093750e-01, -2.57568359e-02,
         4.98046875e-02,  1.35742188e-01,  8.62121582e-04,  5.31005859e-03,
         1.06445312e-01,  9.13085938e-02,  1.01562500e-01,  2.03857422e-02,
        -1.18652344e-01,  1.82617188e-01, -4.88281250e-02,  4.15039062e-03,
         2.75390625e-01,  1.95312500e-01, -5.27343750e-02, -1.46484375e-01,
        -1.15722656e-01,  4.51660156e-02,  9.21630859e-03,  1.45874023e-02,
         1.91406250e-01, -4.90722656e-02, -2.81982422e-02,  8.39843750e-02,
         1.62353516e-02, -4.10156250e-02,  7.51953125e-02,  2.05078125e-01,
        -8.25195312e-02, -7.76367188e-02, -1.56250000e-01,  2.83203125e-01,
        -1.13281250e-01, -1.01562500e-01,  8.20312500e-02, -2.57568359e-02,
        -2.96875000e-01, -2.18750000e-01,  4.97436523e-03,  6.64062500e-02,
         1.53320312e-01, -1.72119141e-02,  2.46093750e-01, -5.73730469e-02,
        -6.54296875e-02, -4.54101562e-02,  1.45507812e-01, -9.27734375e-02,
         7.71484375e-02, -1.64062500e-01,  1.94335938e-01, -1.53320312e-01,
        -1.82617188e-01,  3.06396484e-02, -5.12695312e-02, -1.27563477e-02,
        -4.19921875e-02,  1.51977539e-02,  9.57031250e-02, -3.00292969e-02,
         9.81445312e-02,  2.42187500e-01, -3.39843750e-01, -1.70898438e-01,
        -1.03027344e-01, -8.83789062e-02, -1.82617188e-01,  7.03125000e-02,
         1.09863281e-01,  2.81250000e-01, -1.92382812e-01, -1.15722656e-01,
        -2.71484375e-01,  2.23632812e-01,  2.39562988e-03, -2.73437500e-01,
         3.32031250e-02, -5.41992188e-02, -5.17578125e-02, -1.23046875e-01,
         9.39941406e-03, -2.63671875e-02, -2.01171875e-01, -7.51953125e-02,
         1.74560547e-02, -1.61132812e-02,  7.17163086e-03,  2.57812500e-01,
         1.30859375e-01, -4.76837158e-04, -1.60156250e-01, -6.64062500e-02,
         2.37304688e-01, -3.80859375e-02, -3.35937500e-01,  4.51660156e-02,
        -1.10839844e-01,  1.01562500e-01, -4.57763672e-03,  4.76074219e-02,
        -1.28906250e-01, -1.25000000e-01, -5.61523438e-02, -1.08398438e-0
1],
       dtype=float32),
 'answer': array([ 1.86767578e-02, -1.37695312e-01,  8.74023438e-02, -6.933
59375e-02,
        -1.67968750e-01,  1.56250000e-01,  9.71679688e-02, -1.62109375e-01,
         2.28515625e-01,  8.59375000e-02, -1.43554688e-01,  1.03515625e-01,
         1.12792969e-01,  3.93066406e-02, -7.03125000e-02,  4.49218750e-01,
         2.73437500e-01, -1.85546875e-01,  1.45507812e-01, -1.33789062e-01,
         2.39257812e-01,  2.08007812e-01,  2.23632812e-01,  2.45117188e-01,
        -2.38281250e-01,  1.49414062e-01, -3.26171875e-01,  4.27246094e-02,
         3.83300781e-02,  8.74023438e-02,  6.17675781e-02,  1.60156250e-01,
        -2.04101562e-01, -6.49414062e-02,  4.71191406e-02,  1.16210938e-01,
         2.50244141e-02,  3.68652344e-02,  1.87500000e-01,  9.17968750e-02,
        -9.17968750e-02,  4.15039062e-02, -2.08007812e-01, -1.48437500e-01,
        -1.09375000e-01,  4.56542969e-02, -1.37695312e-01,  7.71484375e-02,
        -3.47656250e-01,  1.52343750e-01, -5.93261719e-02, -1.57226562e-01,
```

```
         1.15356445e-02, -9.71679688e-02, -7.72094727e-03,  1.15234375e-01,
        -8.49609375e-02,  3.66210938e-02, -2.39257812e-02, -1.73828125e-01,
         2.23632812e-01, -3.19824219e-02, -4.24804688e-02,  9.52148438e-02,
        -4.83398438e-02, -7.42187500e-02, -1.75781250e-01,  2.36816406e-02,
         2.86865234e-02,  4.68750000e-02,  2.65625000e-01,  3.25012207e-03,
         1.11328125e-01, -1.93359375e-01, -1.95312500e-01, -1.64062500e-01,
         5.98144531e-02,  2.00195312e-01, -1.22558594e-01,  1.46484375e-01,
        -2.50244141e-02,  3.00292969e-02,  4.46777344e-02, -8.78906250e-02,
        -6.83593750e-02, -9.81445312e-02, -4.32128906e-02,  1.49414062e-01,
         1.98242188e-01,  1.40625000e-01,  6.88476562e-02, -1.03027344e-01,
        -2.25585938e-01,  9.47265625e-02,  1.30859375e-01,  9.09423828e-03,
         1.00097656e-01,  9.37500000e-02, -9.96093750e-02,  1.03759766e-02,
        -5.22460938e-02, -7.81250000e-02,  2.51953125e-01,  3.00292969e-02,
         4.78515625e-02, -3.65234375e-01, -1.70135498e-03, -8.83789062e-02,
         8.64257812e-02, -1.73828125e-01,  1.38671875e-01, -3.75000000e-01,
         6.25000000e-02,  9.08203125e-02,  1.23901367e-02, -8.93554688e-02,
         1.67968750e-01,  6.15234375e-02,  1.54296875e-01,  1.20605469e-01,
        -1.97265625e-01,  1.52343750e-01, -3.85742188e-02, -8.98437500e-02,
         1.67236328e-02,  1.43554688e-01, -1.22070312e-01,  2.74658203e-02,
         1.73828125e-01,  1.35742188e-01, -2.94921875e-01, -4.08203125e-01,
        -7.03125000e-02, -3.56445312e-02,  3.29589844e-02, -2.01171875e-01,
        -1.04370117e-02, -6.10351562e-02,  1.46484375e-01, -8.83789062e-02,
         2.63671875e-01,  8.49609375e-02,  2.56347656e-02, -9.96093750e-02,
        -4.05273438e-02,  1.21093750e-01, -1.46484375e-01, -4.58984375e-01,
        -1.20117188e-01,  5.76171875e-02, -1.55273438e-01,  1.28906250e-01,
        -1.62109375e-01,  6.83593750e-02,  7.42187500e-02, -1.03149414e-02,
        -2.73437500e-01, -2.28515625e-01,  3.17382812e-02, -3.17382812e-02,
        -6.98242188e-02,  1.27929688e-01,  1.04980469e-01, -4.33593750e-01,
        -2.38037109e-02, -6.17675781e-02, -2.14843750e-02,  1.13769531e-01,
        -4.71191406e-02, -7.61718750e-02,  3.51562500e-02,  5.49316406e-02,
        -3.14331055e-03, -2.77343750e-01, -6.93359375e-02, -7.61718750e-02,
         1.10473633e-02,  1.81640625e-01, -1.63085938e-01, -1.28906250e-01,
        -1.71875000e-01,  5.66406250e-02,  5.95703125e-02,  8.00781250e-02,
         2.04101562e-01,  8.49609375e-02, -1.31835938e-01,  5.29785156e-02,
         2.20947266e-02,  3.95507812e-02,  5.27343750e-02, -1.12792969e-01,
         2.04101562e-01,  6.88476562e-02, -1.33789062e-01, -1.04492188e-01,
         1.91406250e-01, -1.81640625e-01, -2.07519531e-02, -6.64062500e-02,
         1.40625000e-01,  1.38671875e-01, -1.46484375e-01,  2.74658203e-02,
        -9.88769531e-03,  4.76074219e-02, -8.98437500e-02, -2.53906250e-02,
         4.39453125e-02, -2.77099609e-02,  1.34277344e-03,  7.32421875e-02,
         4.61425781e-02, -2.36328125e-01, -1.76757812e-01,  4.15039062e-02,
         3.78906250e-01, -6.34765625e-03, -5.34667969e-02, -8.20312500e-02,
        -1.34765625e-01,  1.77734375e-01, -1.79687500e-01, -5.03540039e-03,
         3.26171875e-01,  8.54492188e-02,  1.25000000e-01, -2.30468750e-01,
        -7.32421875e-02,  2.50000000e-01,  1.20117188e-01,  1.72851562e-01,
        -4.10156250e-02, -1.90429688e-01,  3.02734375e-01,  1.31835938e-01,
         1.04492188e-01, -3.17382812e-02,  2.27539062e-01,  3.90625000e-02,
        -2.40234375e-01, -3.29589844e-02, -3.53515625e-01,  6.07910156e-02,
        -3.39508057e-04,  7.32421875e-03,  8.59375000e-02, -4.83398438e-02,
         2.60009766e-02, -2.28271484e-02, -1.47094727e-02,  3.68652344e-02,
         7.56835938e-02,  1.97265625e-01, -5.88378906e-02, -8.83789062e-02,
        -4.83398438e-02, -2.61718750e-01, -2.53906250e-01, -1.89453125e-01,
        -3.78417969e-02,  1.28906250e-01, -8.49609375e-02, -9.03320312e-02,
         7.47070312e-02,  2.27539062e-01,  1.71875000e-01,  4.78515625e-02,
        -2.98828125e-01, -3.14453125e-01,  1.02050781e-01,  1.12915039e-02,
         1.31835938e-01, -2.22656250e-01,  1.03515625e-01,  2.81982422e-02,
        -1.60156250e-01, -3.33984375e-01,  3.12500000e-02,  3.27148438e-02,
         1.83105469e-02, -5.61523438e-02,  1.17187500e-01, -6.68945312e-02,
         4.93164062e-02, -1.36718750e-01,  2.43164062e-01,  8.64257812e-02,
         8.00781250e-02,  3.00781250e-01, -1.02050781e-01,  1.46484375e-01,
         9.66796875e-02, -5.22460938e-02,  7.47070312e-02, -7.12890625e-02,
        -1.02539062e-01, -2.51953125e-01, -1.66992188e-01, -1.03759766e-0
3],
       dtype=float32),
```

```
 'valuable': array([-0.00994873, -0.05639648, -0.06030273, -0.078125  , -0.
09130859,
         0.07763672,  0.16210938, -0.02429199,  0.04174805,  0.10498047,
         0.07128906, -0.2109375 ,  0.08886719,  0.23925781, -0.06835938,
         0.05541992,  0.11083984,  0.02856445, -0.21875   ,  0.140625  ,
        -0.08544922, -0.16210938, -0.35546875,  0.38867188,  0.05297852,
         0.00674438,  0.01269531,  0.02880859,  0.04492188, -0.20410156,
         0.26953125,  0.03662109,  0.04223633, -0.01965332,  0.12304688,
        -0.09326172, -0.29882812,  0.04736328,  0.06591797, -0.04248047,
         0.23535156, -0.10742188,  0.21582031, -0.01733398,  0.01916504,
        -0.17285156, -0.08984375,  0.24316406,  0.140625  ,  0.04907227,
         0.03417969, -0.02832031,  0.14257812, -0.09765625, -0.3203125 ,
         0.16796875,  0.16699219, -0.19921875,  0.39648438, -0.01879883,
        -0.00299072, -0.08642578, -0.21289062, -0.01141357,  0.03442383,
         0.03662109, -0.0123291 , -0.18945312, -0.08105469, -0.1328125 ,
         0.07666016,  0.06640625,  0.25390625, -0.3203125 , -0.16601562,
        -0.23632812,  0.10839844,  0.40625   ,  0.25390625,  0.03222656,
         0.0300293 ,  0.15234375,  0.17773438,  0.03027344,  0.07177734,
        -0.3203125 , -0.10253906,  0.02880859, -0.1796875 ,  0.09228516,
        -0.07617188, -0.1015625 ,  0.15527344, -0.19824219,  0.00585938,
        -0.34765625, -0.07324219,  0.18164062, -0.03710938, -0.07470703,
        -0.22851562,  0.2265625 , -0.05957031,  0.01287842, -0.21679688,
        -0.02770996,  0.07568359,  0.13476562,  0.234375  , -0.21386719,
         0.04785156,  0.17089844, -0.05615234, -0.05444336,  0.34765625,
        -0.05102539,  0.33789062,  0.05541992,  0.16015625, -0.12207031,
         0.07910156, -0.10839844, -0.00817871,  0.03515625, -0.28125   ,
        -0.09326172,  0.05566406, -0.03881836, -0.22949219,  0.24023438,
        -0.04418945, -0.06030273, -0.20410156,  0.10693359,  0.10546875,
        -0.34570312,  0.03979492, -0.07910156, -0.16894531,  0.30273438,
         0.09472656,  0.04101562,  0.16503906, -0.00282288, -0.02722168,
        -0.13574219,  0.0378418 ,  0.03039551, -0.01794434, -0.19140625,
         0.13183594,  0.23339844, -0.09765625,  0.25      , -0.07080078,
         0.05834961,  0.04248047, -0.24902344, -0.34765625, -0.17773438,
        -0.10107422,  0.29882812,  0.06396484, -0.01940918, -0.19335938,
        -0.07861328, -0.04638672, -0.06005859, -0.03027344, -0.05957031,
         0.06079102,  0.13085938,  0.01940918, -0.15722656,  0.265625  ,
        -0.04907227, -0.0534668 , -0.04467773, -0.03222656, -0.03857422,
         0.05493164,  0.00424194, -0.10546875, -0.06079102, -0.2421875 ,
        -0.12792969, -0.06835938,  0.17871094,  0.25390625,  0.06445312,
        -0.19335938, -0.08154297,  0.26171875, -0.08349609, -0.20703125,
        -0.22167969, -0.04760742, -0.34765625, -0.05249023, -0.1640625 ,
        -0.19628906, -0.05932617, -0.109375  ,  0.00148773, -0.23242188,
         0.03369141, -0.02832031, -0.16210938, -0.2578125 , -0.04077148,
        -0.18164062, -0.08251953, -0.15429688,  0.1640625 ,  0.25390625,
         0.25390625,  0.24707031,  0.0859375 ,  0.3359375 , -0.07080078,
         0.18066406,  0.13964844, -0.23828125, -0.17578125,  0.03393555,
         0.02722168,  0.11328125, -0.25585938, -0.08007812, -0.25390625,
        -0.10791016,  0.11865234,  0.13867188, -0.14648438, -0.00311279,
        -0.14453125, -0.27734375, -0.25      , -0.03808594,  0.04248047,
        -0.09423828, -0.10205078,  0.20019531, -0.18164062, -0.05688477,
         0.3203125 ,  0.22167969,  0.03564453, -0.05419922, -0.18554688,
         0.06445312,  0.22460938, -0.0324707 ,  0.13964844,  0.08105469,
         0.02148438, -0.02038574,  0.09619141, -0.25195312, -0.12451172,
         0.07617188, -0.08544922, -0.10058594,  0.23046875, -0.06787109,
        -0.16210938, -0.05151367,  0.03613281, -0.06152344,  0.04101562,
         0.03369141,  0.08300781, -0.0402832 ,  0.26757812,  0.04248047,
        -0.06176758,  0.08056641,  0.04907227, -0.17089844,  0.12353516,
        -0.18945312,  0.07128906,  0.20507812,  0.15332031, -0.32421875,
         0.12695312, -0.13574219,  0.13671875, -0.02270508, -0.16894531,
         0.10205078, -0.04443359,  0.17480469, -0.06396484, -0.12402344,
         0.19238281, -0.15722656, -0.0859375 , -0.06030273,  0.00872803],
       dtype=float32),
 'chance': array([ 0.04736328,  0.14550781,  0.08935547,  0.06542969,  0.04
956055,
```

```
         0.14257812,  0.2578125 , -0.19628906, -0.02844238,  0.00778198,
        -0.26757812, -0.13085938,  0.11230469, -0.18164062, -0.32226562,
         0.15820312,  0.140625  ,  0.23242188,  0.22265625, -0.13671875,
         0.05737305,  0.04174805, -0.0559082 , -0.1328125 , -0.05200195,
         0.05224609, -0.06835938,  0.10351562, -0.05419922,  0.23242188,
         0.03320312,  0.05712891, -0.00150299, -0.2109375 ,  0.06591797,
         0.21386719,  0.15039062, -0.15039062, -0.12890625,  0.08105469,
        -0.14550781, -0.38671875,  0.28125   ,  0.08496094,  0.0546875 ,
        -0.00970459, -0.03710938,  0.07910156, -0.19433594,  0.0067749 ,
        -0.01141357,  0.08740234,  0.04296875,  0.09765625, -0.22070312,
        -0.01202393,  0.09912109, -0.06005859,  0.13183594, -0.14550781,
         0.09277344, -0.06787109, -0.06225586, -0.15332031, -0.00527954,
        -0.11132812,  0.15234375,  0.11181641, -0.13476562,  0.23339844,
        -0.11572266,  0.02368164,  0.09667969,  0.125     , -0.22363281,
        -0.2734375 ,  0.16308594,  0.07226562,  0.125     , -0.10498047,
        -0.09228516,  0.11279297,  0.09130859, -0.04296875, -0.16992188,
        -0.11083984,  0.0291748 , -0.05395508,  0.13671875,  0.04223633,
         0.19921875,  0.03540039, -0.14355469, -0.17285156,  0.05224609,
        -0.1484375 , -0.16894531,  0.203125  ,  0.14550781, -0.26367188,
         0.00500488, -0.02685547, -0.03588867, -0.03979492,  0.02172852,
        -0.21777344,  0.00946045, -0.24121094,  0.05737305, -0.04443359,
         0.10107422, -0.02893066,  0.04199219,  0.08984375,  0.03710938,
         0.06030273,  0.09521484,  0.09277344, -0.15234375, -0.05175781,
        -0.12890625,  0.05419922,  0.0559082 ,  0.00280762,  0.06884766,
        -0.05957031,  0.09570312, -0.125     , -0.2265625 ,  0.06542969,
         0.04785156, -0.25585938,  0.0859375 , -0.09082031,  0.01055908,
        -0.27148438, -0.03369141,  0.06494141, -0.04077148,  0.21875   ,
        -0.01470947, -0.11572266,  0.18457031, -0.01708984,  0.00369263,
         0.15136719, -0.14160156, -0.06738281, -0.09423828, -0.08056641,
        -0.06103516,  0.21972656, -0.27734375,  0.17285156, -0.00396729,
        -0.00732422,  0.03295898, -0.28125   , -0.23632812, -0.09326172,
        -0.09472656,  0.18359375,  0.16796875,  0.05883789,  0.09814453,
        -0.2109375 ,  0.09765625, -0.03417969, -0.11083984, -0.00357056,
        -0.04370117,  0.16894531, -0.27148438, -0.35351562,  0.16796875,
         0.06933594, -0.12451172, -0.12695312, -0.12597656,  0.296875  ,
        -0.11083984, -0.05322266,  0.1796875 , -0.00628662, -0.25585938,
        -0.234375  ,  0.03149414, -0.09472656,  0.07861328, -0.21972656,
        -0.0625    ,  0.0135498 , -0.00811768, -0.07470703,  0.01422119,
        -0.01391602,  0.22363281,  0.04638672, -0.13476562, -0.32617188,
         0.06201172,  0.01489258,  0.03173828, -0.25      ,  0.328125  ,
        -0.05615234, -0.12255859, -0.00921631, -0.12890625,  0.03491211,
         0.04101562,  0.33984375, -0.07519531,  0.08105469, -0.09570312,
        -0.1015625 ,  0.04199219, -0.0144043 ,  0.20507812,  0.03295898,
        -0.18945312, -0.09863281, -0.16894531, -0.05761719, -0.03613281,
        -0.02307129,  0.07421875, -0.01428223, -0.00653076, -0.01263428,
        -0.20019531, -0.05932617, -0.05297852,  0.05932617,  0.21679688,
         0.10791016, -0.11035156, -0.07128906,  0.0534668 ,  0.12695312,
         0.00445557, -0.11279297,  0.03588867, -0.14257812, -0.03955078,
         0.05859375,  0.18652344,  0.08984375,  0.19335938, -0.09716797,
         0.0390625 , -0.01757812,  0.09228516,  0.11669922, -0.05249023,
         0.16503906,  0.17089844,  0.03417969, -0.17871094, -0.16308594,
        -0.41601562,  0.26367188, -0.15625   , -0.00136566,  0.03735352,
         0.04541016,  0.09814453,  0.18457031, -0.18652344, -0.1875    ,
         0.20703125,  0.16210938, -0.03442383,  0.08984375,  0.0480957 ,
        -0.12109375,  0.0390625 , -0.05102539,  0.15332031,  0.14160156,
         0.00735474, -0.10449219,  0.01141357,  0.14648438, -0.35546875,
        -0.17675781, -0.01391602,  0.09179688, -0.15625   , -0.15136719,
        -0.09326172,  0.05273438, -0.265625  , -0.14355469,  0.08349609,
         0.13476562, -0.14257812, -0.03540039, -0.13183594, -0.18847656],
       dtype=float32),
 'influence': array([ 0.35351562,  0.07080078,  0.03588867, -0.32617188, -
0.11132812,
         0.14746094, -0.140625  , -0.08886719,  0.29101562, -0.03564453,
        -0.12207031, -0.00521851,  0.11083984,  0.44921875, -0.46289062,
```

```
        -0.16699219, -0.01855469,  0.27148438,  0.25585938, -0.38476562,
        -0.20898438, -0.08837891,  0.10351562,  0.11816406,  0.18359375,
        -0.18457031,  0.14746094,  0.15429688, -0.11083984,  0.12695312,
         0.21875   , -0.35546875, -0.16308594,  0.11083984,  0.28125   ,
         0.20703125,  0.01245117,  0.08007812,  0.07177734, -0.07275391,
         0.18945312,  0.03979492, -0.10302734, -0.18652344,  0.05566406,
        -0.08349609, -0.11914062,  0.12255859,  0.05371094, -0.20605469,
        -0.012146  ,  0.08007812,  0.02209473, -0.09619141, -0.06933594,
         0.11474609, -0.14941406,  0.12207031,  0.07714844,  0.06298828,
         0.04492188, -0.15917969,  0.18066406,  0.05615234,  0.07861328,
         0.08349609,  0.012146  ,  0.47460938, -0.24804688,  0.11132812,
         0.06591797, -0.14160156, -0.06225586,  0.03930664,  0.06005859,
        -0.1796875 ,  0.06835938,  0.15039062,  0.08007812,  0.2265625 ,
         0.12597656, -0.16308594,  0.17871094,  0.04589844, -0.17480469,
         0.01275635, -0.25585938,  0.00402832, -0.27539062,  0.13183594,
         0.01159668, -0.109375  ,  0.12109375, -0.13964844, -0.13867188,
        -0.25390625,  0.00500488, -0.02075195,  0.22070312, -0.32421875,
        -0.01495361,  0.140625  ,  0.08056641,  0.01550293,  0.11572266,
        -0.42382812, -0.19335938, -0.34375   ,  0.12255859, -0.14941406,
        -0.05932617,  0.03515625, -0.04125977, -0.2890625 ,  0.00823975,
        -0.33203125,  0.18261719,  0.10742188,  0.10888672, -0.00564575,
        -0.02282715,  0.15234375, -0.11865234,  0.33984375, -0.20410156,
        -0.03100586,  0.19335938,  0.20996094, -0.04956055,  0.1953125 ,
        -0.01312256, -0.13964844,  0.15820312,  0.17089844,  0.12695312,
         0.10644531,  0.11376953,  0.17382812,  0.01293945, -0.06738281,
         0.00191498,  0.01422119, -0.4375    , -0.03149414,  0.19921875,
        -0.04248047,  0.10449219,  0.1640625 ,  0.00102234,  0.05224609,
         0.06225586, -0.06542969,  0.01965332,  0.19433594,  0.19628906,
         0.0703125 ,  0.04248047, -0.27539062, -0.11279297, -0.16308594,
        -0.10009766,  0.14355469,  0.0625    ,  0.04125977,  0.10693359,
        -0.04492188,  0.06933594,  0.10693359,  0.15527344,  0.29296875,
        -0.12158203,  0.15625   ,  0.12011719, -0.30273438, -0.07421875,
         0.03198242,  0.03125   , -0.296875  ,  0.00137329, -0.01843262,
        -0.34570312,  0.04711914, -0.07128906, -0.01293945,  0.03466797,
         0.21582031,  0.24023438,  0.11279297, -0.06982422, -0.21386719,
         0.34179688,  0.20996094,  0.09375   , -0.25195312, -0.08056641,
        -0.13964844,  0.14746094, -0.0625    ,  0.07177734, -0.29492188,
        -0.04003906,  0.23144531, -0.11181641, -0.37109375, -0.10644531,
        -0.2890625 ,  0.13671875, -0.15234375, -0.15917969,  0.11035156,
        -0.01916504, -0.04858398, -0.09960938, -0.02587891, -0.06982422,
        -0.296875  , -0.0078125 , -0.00970459, -0.09521484, -0.02368164,
        -0.29101562, -0.234375  ,  0.02526855,  0.11083984, -0.11767578,
         0.01153564,  0.04882812,  0.02783203,  0.01184082,  0.19433594,
        -0.01904297, -0.24511719, -0.03295898, -0.07324219,  0.3359375 ,
        -0.2734375 ,  0.13769531, -0.22265625, -0.01348877, -0.27148438,
        -0.04003906, -0.22167969,  0.27734375, -0.140625  ,  0.04833984,
        -0.10449219, -0.23339844, -0.19726562,  0.11376953,  0.07177734,
         0.28710938, -0.1328125 ,  0.13476562,  0.14160156, -0.02905273,
         0.02685547, -0.13085938,  0.14550781,  0.02038574, -0.24511719,
        -0.16308594, -0.18457031, -0.1640625 ,  0.25585938, -0.09472656,
         0.03222656, -0.1875    , -0.07373047, -0.17382812, -0.37890625,
        -0.3984375 ,  0.00775146, -0.12304688,  0.23828125, -0.01049805,
        -0.05200195, -0.07275391,  0.0100708 , -0.2265625 ,  0.08056641,
         0.03393555,  0.16796875,  0.08349609,  0.1171875 , -0.40625   ,
        -0.3125    ,  0.0703125 ,  0.08398438,  0.2265625 , -0.046875  ,
        -0.1875    ,  0.12597656,  0.26757812,  0.01507568,  0.01190186,
        -0.32226562,  0.22070312, -0.04394531,  0.00787354,  0.02648926],
       dtype=float32),
 'journey': array([ 5.02929688e-02,  2.65625000e-01, -1.51367188e-01, -3.85
742188e-02,
         9.37500000e-02,  3.66210938e-02,  5.73730469e-02, -1.95312500e-01,
        -8.34960938e-02,  3.04687500e-01,  2.14843750e-01, -1.26953125e-01,
         2.53677368e-04,  4.27246094e-02, -3.63769531e-02,  3.80859375e-02,
         2.07031250e-01,  4.17480469e-02,  5.81054688e-02, -1.67968750e-01,
```

```
 3.61328125e-02,  2.77343750e-01, -4.93164062e-02, -5.79833984e-03,
 6.25000000e-02, -1.43554688e-01, -2.29492188e-01, -2.34375000e-01,
 2.39257812e-01, -1.53320312e-01,  1.96533203e-02, -8.20312500e-02,
-1.88476562e-01,  7.81250000e-02, -2.18750000e-01, -1.42578125e-01,
-9.08203125e-02, -2.87109375e-01, -4.49218750e-02, -1.13281250e-01,
-1.78710938e-01,  1.02539062e-01,  2.35595703e-02,  1.56250000e-02,
-1.52343750e-01, -1.90429688e-01,  3.19824219e-02,  2.14843750e-01,
-6.83593750e-02, -1.47460938e-01,  8.83789062e-02,  1.94091797e-02,
 1.73828125e-01,  9.86328125e-02,  3.08593750e-01, -1.96289062e-01,
-1.78710938e-01, -1.55273438e-01, -1.75781250e-01, -1.05468750e-01,
-2.40478516e-02, -1.35498047e-02,  1.44531250e-01, -1.43554688e-01,
 3.56445312e-02, -7.37304688e-02, -1.28906250e-01,  3.73535156e-02,
 7.27539062e-02, -9.81445312e-02, -1.06445312e-01, -7.93457031e-03,
-2.01171875e-01, -1.63085938e-01, -5.27954102e-03, -1.41601562e-01,
-8.59375000e-02, -6.59179688e-02, -6.25000000e-02,  1.12304688e-01,
 1.18164062e-01, -2.65625000e-01,  9.94873047e-03, -3.04687500e-01,
 1.42578125e-01,  2.21679688e-01, -3.08593750e-01, -1.48437500e-01,
 4.00390625e-01,  2.02148438e-01, -9.52148438e-03, -3.33984375e-01,
-2.09960938e-01,  1.58203125e-01,  2.96630859e-02, -8.20312500e-02,
-1.46484375e-01,  2.51953125e-01,  1.84570312e-01, -2.06054688e-01,
 1.60156250e-01,  1.08886719e-01,  7.66754150e-04,  1.79687500e-01,
-7.56835938e-02,  4.41894531e-02, -4.78515625e-02, -6.98242188e-02,
 2.12890625e-01,  6.25000000e-02,  2.91015625e-01, -1.05957031e-01,
 2.79296875e-01, -2.46582031e-02,  5.67626953e-03,  3.24707031e-02,
-2.42187500e-01,  2.06298828e-02,  1.13769531e-01,  9.17968750e-02,
-2.37304688e-01, -1.96533203e-02, -1.64794922e-02,  1.42578125e-01,
-3.22265625e-01,  1.14257812e-01, -1.54296875e-01,  1.82617188e-01,
-3.61328125e-01,  1.96289062e-01, -3.39843750e-01,  1.34765625e-01,
-5.27343750e-02, -3.08593750e-01,  1.04492188e-01,  1.34765625e-01,
-1.47460938e-01,  1.37695312e-01, -7.03125000e-02,  2.59765625e-01,
-6.34765625e-02, -7.95898438e-02, -2.34375000e-01,  6.13403320e-03,
 1.71875000e-01,  1.70898438e-01, -5.15136719e-02, -3.02734375e-01,
-2.07031250e-01, -1.68945312e-01, -6.73828125e-02, -2.20703125e-01,
 1.81640625e-01,  1.25000000e-01, -8.10546875e-02, -2.26562500e-01,
-1.17675781e-01,  1.02539062e-01, -2.85156250e-01, -3.78906250e-01,
-3.56445312e-02,  1.34765625e-01,  2.61718750e-01,  1.68945312e-01,
-1.29882812e-01, -1.82617188e-01,  4.51171875e-01, -3.59375000e-01,
-7.71484375e-02,  2.44140625e-03,  2.22656250e-01,  1.52343750e-01,
 9.76562500e-02, -4.39453125e-02, -9.39941406e-03,  2.73437500e-02,
-2.65625000e-01,  2.48046875e-01,  6.17675781e-02, -8.88671875e-02,
-2.71484375e-01, -1.34765625e-01, -1.15234375e-01, -9.96093750e-02,
-2.29492188e-01, -7.51953125e-02, -1.35742188e-01,  1.69921875e-01,
 1.90429688e-01, -1.07421875e-01,  2.46093750e-01, -1.73828125e-01,
 1.33789062e-01,  2.07031250e-01, -3.39843750e-01,  1.33789062e-01,
-3.96484375e-01,  2.16796875e-01, -2.98828125e-01,  6.34765625e-02,
 3.06640625e-01,  2.46093750e-01, -1.58203125e-01,  4.10156250e-02,
 1.30859375e-01,  5.54199219e-02, -1.31835938e-01, -1.98974609e-02,
 2.09960938e-01, -2.53906250e-01, -8.74023438e-02,  3.08593750e-01,
-1.92382812e-01, -1.71875000e-01, -2.26562500e-01,  1.86523438e-01,
 2.94921875e-01,  3.08593750e-01,  5.07812500e-02, -1.78710938e-01,
 8.78906250e-02,  2.95410156e-02,  3.41796875e-01,  2.26562500e-01,
-5.71289062e-02, -1.00097656e-01, -9.37500000e-02, -1.86523438e-01,
-1.45507812e-01,  5.07812500e-02,  3.57421875e-01, -1.61132812e-01,
-1.35742188e-01,  2.66113281e-02,  4.29687500e-02,  1.58203125e-01,
-3.35937500e-01,  9.91210938e-02, -3.12500000e-02, -1.54296875e-01,
 9.61914062e-02, -5.71289062e-02, -1.69677734e-02, -4.05273438e-02,
-7.32421875e-02,  2.50000000e-01, -6.29882812e-02, -6.54296875e-02,
 2.73437500e-01, -6.88476562e-02,  1.34765625e-01,  2.35351562e-01,
-3.52478027e-03,  1.87500000e-01,  1.25976562e-01, -2.79541016e-02,
 2.30468750e-01,  4.49218750e-02, -2.08984375e-01, -1.97265625e-01,
 4.22363281e-02, -1.79687500e-01,  5.83496094e-02,  3.04687500e-01,
-1.93023682e-03, -1.52587891e-02,  2.41210938e-01, -9.17968750e-02,
-2.69531250e-01,  1.95312500e-01,  5.49316406e-02, -9.32617188e-02,
 2.07031250e-01,  2.77343750e-01,  1.23535156e-01, -3.65234375e-01,
```

```
        -3.20312500e-01,  1.95312500e-01, -3.35937500e-01, -8.83789062e-02,
         3.16406250e-01, -4.16015625e-01, -1.30859375e-01, -2.04101562e-01,
         1.78710938e-01,  3.63769531e-02, -5.15625000e-01,  2.44140625e-01,
        -2.91015625e-01,  2.77343750e-01, -2.05078125e-01, -1.48773193e-03,
        -8.54492188e-02, -9.91210938e-02, -8.59375000e-02, -7.91015625e-02,
         1.43554688e-01,  1.72851562e-01,  1.01074219e-01, -1.88476562e-0
1],
       dtype=float32),
 'shape': array([-7.81250000e-02,  3.69140625e-01, -8.20312500e-02, -1.7285
1562e-01,
        -2.06054688e-01,  3.19824219e-02,  4.61425781e-02, -1.48437500e-01,
        -9.32617188e-02, -1.67236328e-02, -1.24511719e-01,  5.54199219e-02,
        -7.47070312e-02,  2.46093750e-01, -6.22558594e-02,  1.51367188e-01,
        -1.17797852e-02,  2.77343750e-01,  1.50390625e-01, -2.42187500e-01,
        -4.34570312e-02,  2.05078125e-01, -7.61718750e-02,  2.20947266e-02,
         3.58886719e-02,  6.92749023e-03, -2.15820312e-01, -1.25976562e-01,
         1.44653320e-02, -1.54296875e-01, -1.32812500e-01,  3.16406250e-01,
         2.04101562e-01,  1.33789062e-01,  1.02050781e-01,  2.45117188e-01,
        -4.41894531e-02, -2.69775391e-02, -6.83593750e-02,  1.91406250e-01,
        -8.98437500e-02, -1.04492188e-01,  8.88671875e-02, -5.32226562e-02,
         1.98242188e-01, -8.83789062e-02, -1.77001953e-02, -1.34765625e-01,
         8.54492188e-02,  6.29882812e-02, -4.44335938e-02, -1.18164062e-01,
        -8.20312500e-02, -1.49414062e-01,  2.12890625e-01,  1.40625000e-01,
         6.49414062e-02, -3.82812500e-01,  7.11059570e-03, -1.71875000e-01,
         6.54296875e-02,  6.77490234e-03, -1.39648438e-01, -1.40625000e-01,
         1.16699219e-01,  1.74804688e-01,  2.01171875e-01,  2.92968750e-01,
        -4.02832031e-02,  1.30859375e-01,  3.54003906e-02,  1.44042969e-02,
         3.02734375e-01,  2.80761719e-03, -2.23632812e-01, -5.41992188e-02,
         1.10839844e-01, -5.24902344e-02, -1.73828125e-01,  1.00585938e-01,
         2.50000000e-01, -2.75390625e-01, -3.93066406e-02,  1.02539062e-02,
        -4.54101562e-02,  1.57226562e-01, -1.33789062e-01, -5.73730469e-02,
         1.74804688e-01,  1.12792969e-01,  1.40625000e-01, -1.98242188e-01,
         6.07910156e-02,  3.34472656e-02,  1.44531250e-01, -1.79687500e-01,
        -2.85644531e-02, -4.41894531e-02,  9.86328125e-02, -2.51953125e-01,
        -1.00585938e-01, -3.11279297e-02,  2.51953125e-01,  2.09960938e-02,
         4.61425781e-02, -1.45507812e-01, -1.38671875e-01,  3.32031250e-02,
        -2.39257812e-01, -4.45556641e-03, -8.49609375e-02,  1.11816406e-01,
         1.28906250e-01, -6.25000000e-02,  1.22558594e-01, -4.05273438e-02,
         1.11328125e-01,  1.14257812e-01, -7.42187500e-02,  8.49609375e-02,
        -2.87109375e-01, -2.46093750e-01,  2.34375000e-01,  1.74804688e-01,
         8.98437500e-02, -1.62353516e-02, -2.67578125e-01,  6.98242188e-02,
        -9.76562500e-02,  1.16699219e-01, -2.94921875e-01, -5.71289062e-02,
        -2.55859375e-01,  8.85009766e-03,  2.63671875e-01, -8.10546875e-02,
        -2.16796875e-01,  1.06445312e-01,  4.19921875e-02, -1.37329102e-02,
         1.04003906e-01,  2.36328125e-01,  1.24511719e-02, -1.29882812e-01,
         6.93359375e-02,  6.29882812e-02, -7.03125000e-02, -8.78906250e-02,
        -2.67333984e-02,  5.85937500e-02,  1.09863281e-01, -2.81250000e-01,
        -3.45703125e-01,  2.89062500e-01,  1.77001953e-02,  1.78222656e-02,
        -2.64892578e-02, -2.14843750e-01,  1.12792969e-01,  2.20703125e-01,
        -2.55126953e-02, -1.58203125e-01,  4.66918945e-03,  4.05883789e-03,
        -4.63867188e-03, -1.54113770e-03, -6.34765625e-02, -1.26953125e-01,
         1.03759766e-02, -2.78320312e-02, -1.25000000e-01,  2.39257812e-02,
        -7.32421875e-02,  8.10546875e-02,  2.07519531e-02,  1.11328125e-01,
         2.61718750e-01, -2.92968750e-01,  4.12597656e-02,  3.12500000e-01,
         2.22778320e-03, -2.38037109e-02, -2.46582031e-02,  8.54492188e-02,
        -2.61718750e-01, -3.45703125e-01,  8.20312500e-02,  1.26953125e-01,
        -1.05468750e-01, -7.32421875e-02,  2.41210938e-01,  1.12792969e-01,
        -1.37329102e-02, -3.88671875e-01, -2.22656250e-01, -8.78906250e-02,
         9.47265625e-02,  5.32226562e-02, -1.12304688e-02,  7.03125000e-02,
        -1.87500000e-01,  1.32812500e-01, -2.19726562e-01, -1.70898438e-01,
         3.22265625e-02, -1.29882812e-01,  1.88827515e-04, -2.37304688e-01,
         4.66308594e-02, -6.20117188e-02, -1.41601562e-01,  2.25830078e-03,
        -6.39648438e-02,  5.37109375e-02, -1.05957031e-01,  1.45507812e-01,
         9.32617188e-02, -1.24023438e-01,  7.29370117e-03,  2.57812500e-01,
```

```
         6.39648438e-02, -1.64062500e-01, -1.66015625e-01,  1.09863281e-01,
        -1.66992188e-01, -1.94335938e-01, -1.38549805e-02, -1.83593750e-01,
         2.31933594e-02,  2.20703125e-01,  4.27246094e-02, -1.65039062e-01,
        -2.25830078e-02, -1.36718750e-02,  3.14453125e-01,  7.93457031e-03,
         2.78320312e-02, -2.21679688e-01,  1.40625000e-01, -8.64257812e-02,
         3.08593750e-01,  1.32812500e-01, -5.63964844e-02, -6.34765625e-02,
         2.01171875e-01, -1.02050781e-01, -2.29492188e-01,  9.57031250e-02,
         1.26953125e-01, -3.10058594e-02, -2.40478516e-02,  1.04003906e-01,
         7.81250000e-02,  3.71093750e-02,  1.31835938e-01, -7.26318359e-03,
        -1.02050781e-01,  1.75781250e-02, -1.66015625e-01, -1.28906250e-01,
         1.66015625e-01,  1.11328125e-01, -2.08984375e-01, -1.53198242e-02,
         2.57812500e-01, -3.71093750e-02, -5.59082031e-02, -2.35351562e-01,
        -3.17382812e-02, -8.93554688e-02, -3.17382812e-03,  2.22656250e-01,
         1.99218750e-01, -2.77343750e-01, -2.26562500e-01, -2.29492188e-01,
        -1.42578125e-01, -9.32617188e-02, -2.02148438e-01,  9.03320312e-02,
         5.70678711e-03,  1.16210938e-01,  1.95312500e-02, -1.26342773e-02,
        -1.46484375e-01, -1.51824951e-03, -2.08984375e-01, -1.59179688e-01,
         1.66992188e-01,  1.07910156e-01, -4.64843750e-01,  1.04980469e-01,
        -5.90820312e-02, -2.71484375e-01, -1.05957031e-01,  8.78906250e-02,
        -2.63671875e-01,  1.57226562e-01,  2.81982422e-02, -1.52343750e-0
1],
       dtype=float32),
 'future': array([-0.08056641, -0.01281738,  0.14355469,  0.05175781, -0.06
25    ,
        -0.04223633,  0.10742188, -0.06689453,  0.20019531,  0.14453125,
        -0.26367188,  0.12451172, -0.04833984,  0.05859375, -0.13769531,
        -0.06787109, -0.11035156,  0.27148438,  0.05688477,  0.0018158 ,
        -0.10546875,  0.00823975, -0.25195312,  0.16015625, -0.08105469,
         0.04443359,  0.02929688,  0.04492188, -0.05566406,  0.03051758,
         0.07568359, -0.12792969, -0.12304688,  0.0291748 ,  0.01623535,
         0.06542969,  0.16992188, -0.02160645, -0.03125   , -0.22753906,
         0.01977539, -0.0177002 ,  0.04125977, -0.00482178, -0.04296875,
        -0.07666016, -0.07617188,  0.05371094, -0.09375   , -0.05224609,
         0.10498047,  0.26171875,  0.02587891, -0.09179688, -0.00927734,
        -0.03808594, -0.0324707 , -0.22460938,  0.04638672,  0.09375   ,
        -0.03930664, -0.09179688,  0.01708984,  0.17382812, -0.203125  ,
         0.0390625 ,  0.16796875,  0.07177734, -0.05322266, -0.03808594,
        -0.18847656, -0.0213623 ,  0.21386719, -0.12402344, -0.234375  ,
        -0.16308594, -0.11523438,  0.06445312,  0.046875  ,  0.03417969,
         0.22851562,  0.01647949, -0.16015625, -0.08105469,  0.14550781,
        -0.14257812, -0.23046875,  0.03149414,  0.07861328,  0.16992188,
         0.26367188, -0.09179688,  0.02819824, -0.22558594, -0.01855469,
        -0.10351562,  0.19042969,  0.15722656,  0.12695312, -0.02307129,
        -0.12207031, -0.07470703,  0.24023438, -0.12451172, -0.25      ,
        -0.1015625 , -0.11816406, -0.08886719, -0.04443359,  0.14746094,
         0.11914062, -0.02563477,  0.06640625,  0.04833984,  0.27734375,
        -0.02905273,  0.0559082 , -0.01342773,  0.11328125,  0.14648438,
         0.140625  ,  0.04931641,  0.22851562,  0.08007812,  0.00334167,
         0.01428223, -0.32421875,  0.10449219, -0.19921875, -0.06225586,
        -0.19238281,  0.00704956, -0.37695312,  0.03686523,  0.14648438,
         0.02612305,  0.10498047,  0.02185059,  0.19726562,  0.33203125,
         0.05175781, -0.11669922, -0.04882812,  0.24707031,  0.34179688,
        -0.14453125,  0.01708984, -0.05297852,  0.04003906, -0.01879883,
        -0.08642578,  0.2578125 , -0.1875    , -0.01464844, -0.09277344,
         0.16308594,  0.16894531, -0.14160156,  0.20898438,  0.03320312,
         0.05102539,  0.10205078,  0.20605469, -0.05273438,  0.12353516,
         0.20507812, -0.04394531,  0.07177734, -0.01879883, -0.01373291,
         0.06445312, -0.14550781,  0.07617188, -0.30664062,  0.2265625 ,
        -0.06347656,  0.17285156, -0.18554688,  0.09277344,  0.17675781,
        -0.22558594, -0.04467773,  0.07910156, -0.109375  ,  0.00521851,
        -0.06396484,  0.02941895,  0.02233887,  0.21582031,  0.2890625 ,
         0.05273438,  0.12890625,  0.05664062, -0.21484375, -0.05102539,
        -0.00778198, -0.12207031, -0.08300781,  0.09179688, -0.18945312,
        -0.12988281,  0.05859375,  0.09130859, -0.12255859,  0.00286865,
```

```
        -0.1171875 ,  0.06396484, -0.08447266, -0.03051758, -0.02294922,
        -0.07714844, -0.02124023,  0.04931641,  0.06591797,  0.0625    ,
        -0.00241089,  0.25976562, -0.19433594, -0.08154297,  0.16894531,
        -0.05126953, -0.04956055, -0.00695801, -0.01068115,  0.09863281,
        -0.265625  , -0.1171875 , -0.10009766, -0.10302734, -0.06542969,
        -0.01977539,  0.22363281,  0.12109375, -0.04052734,  0.44335938,
        -0.13378906, -0.07666016, -0.12695312,  0.0062561 , -0.07373047,
         0.04296875, -0.04003906,  0.0177002 , -0.10058594, -0.09570312,
        -0.07128906,  0.01745605, -0.171875  , -0.06689453,  0.17285156,
        -0.07421875,  0.23828125,  0.12695312,  0.1953125 , -0.13769531,
        -0.07568359,  0.14550781,  0.22265625, -0.29296875, -0.00738525,
        -0.07568359,  0.02209473, -0.04370117,  0.28320312,  0.0612793 ,
         0.23046875, -0.2265625 , -0.09082031, -0.24707031, -0.20996094,
         0.19628906,  0.02294922,  0.11669922, -0.0011673 , -0.14160156,
        -0.01293945,  0.09423828, -0.10205078, -0.08837891,  0.00268555,
         0.05566406,  0.11767578,  0.06689453,  0.1484375 , -0.06079102,
         0.07470703,  0.10693359, -0.19726562,  0.11767578,  0.078125  ,
        -0.21679688,  0.16015625, -0.02490234, -0.05224609,  0.06396484,
         0.03613281, -0.04833984,  0.04638672, -0.02685547, -0.16503906],
       dtype=float32),
 'power': array([ 0.13769531,  0.1640625 ,  0.22070312, -0.12060547, -0.136
71875,
        -0.14355469,  0.12207031, -0.28125   ,  0.02258301,  0.11230469,
        -0.02282715,  0.04785156, -0.22949219,  0.10107422,  0.01745605,
        -0.02368164, -0.06445312,  0.0098877 ,  0.14648438, -0.09472656,
        -0.01086426, -0.03857422, -0.08056641,  0.13476562,  0.06005859,
         0.20410156, -0.3671875 , -0.04125977,  0.02197266, -0.01586914,
         0.06787109,  0.05541992, -0.125     ,  0.12792969,  0.04882812,
         0.07958984, -0.21777344,  0.05249023, -0.09716797,  0.23242188,
         0.06201172, -0.13574219,  0.34375   ,  0.01373291,  0.02441406,
        -0.02697754, -0.11230469,  0.10986328, -0.12890625,  0.04956055,
        -0.02941895,  0.09765625,  0.22460938,  0.15527344,  0.0027771 ,
        -0.00090408, -0.13671875,  0.00390625, -0.07373047,  0.09326172,
         0.10449219,  0.22558594, -0.06884766,  0.12109375,  0.02929688,
        -0.03149414, -0.3046875 ,  0.4140625 , -0.12255859,  0.21484375,
         0.18066406, -0.11279297, -0.02807617, -0.14941406, -0.00643921,
        -0.18945312,  0.06738281,  0.14648438,  0.12304688, -0.03979492,
         0.15234375,  0.34960938,  0.19921875, -0.06103516,  0.07421875,
        -0.05932617, -0.08300781,  0.04150391, -0.17773438, -0.18359375,
        -0.06982422, -0.05371094, -0.10107422,  0.10009766, -0.09863281,
        -0.18164062, -0.2265625 , -0.17578125, -0.0025177 , -0.04858398,
         0.16308594,  0.00982666, -0.0378418 ,  0.03833008,  0.03173828,
        -0.19824219, -0.16894531, -0.09960938,  0.06201172, -0.12695312,
         0.01202393,  0.04150391, -0.05957031, -0.04321289, -0.20019531,
         0.24609375,  0.19824219,  0.11181641,  0.05297852, -0.13867188,
        -0.10888672, -0.06396484,  0.07958984,  0.09179688, -0.19628906,
         0.0324707 ,  0.08496094, -0.03515625, -0.13378906,  0.09619141,
         0.13085938, -0.17285156,  0.16015625,  0.12890625,  0.10644531,
         0.07617188, -0.01696777, -0.02453613, -0.19042969,  0.01660156,
        -0.00872803, -0.22167969,  0.07958984,  0.30664062,  0.13671875,
        -0.10009766,  0.15332031,  0.02368164,  0.11474609, -0.03857422,
         0.12451172, -0.17285156, -0.04638672,  0.07324219,  0.08496094,
         0.03222656,  0.14746094, -0.23144531, -0.08740234, -0.31054688,
        -0.19140625,  0.21484375, -0.18066406, -0.01495361, -0.05151367,
         0.05834961, -0.16113281,  0.04956055,  0.01708984,  0.16015625,
        -0.24707031,  0.08837891, -0.19726562, -0.04736328, -0.0859375 ,
        -0.24902344,  0.16113281, -0.359375  , -0.18457031,  0.05200195,
        -0.20214844, -0.02966309, -0.16601562, -0.0291748 ,  0.01586914,
         0.13671875,  0.12060547,  0.09033203,  0.03149414, -0.00054169,
        -0.0324707 ,  0.24804688,  0.06640625, -0.08740234, -0.01312256,
         0.0291748 ,  0.01074219, -0.15429688,  0.02563477, -0.39257812,
        -0.20800781,  0.1875    ,  0.37109375, -0.16601562,  0.06835938,
        -0.12988281,  0.10253906, -0.23242188,  0.01550293,  0.02966309,
        -0.26757812,  0.14160156,  0.13085938, -0.12060547,  0.0625    ,
```

```
        -0.12353516,  0.03344727,  0.11425781, -0.31445312,  0.06396484,
         0.14648438,  0.10498047,  0.08642578, -0.05761719, -0.02062988,
         0.05419922, -0.06933594,  0.20410156,  0.15820312,  0.16015625,
        -0.16308594,  0.11279297, -0.14160156,  0.03759766, -0.05639648,
        -0.07177734, -0.15625   , -0.05712891,  0.04394531,  0.11572266,
        -0.18457031,  0.02185059,  0.11523438, -0.25390625,  0.19921875,
        -0.03320312, -0.11230469, -0.10595703,  0.20703125,  0.20703125,
         0.06005859,  0.08886719,  0.12890625,  0.12060547, -0.02941895,
        -0.15136719,  0.16992188,  0.03417969, -0.23828125, -0.01184082,
        -0.1015625 , -0.125     , -0.2890625 ,  0.0378418 , -0.01782227,
         0.22558594, -0.03515625, -0.05639648,  0.04516602, -0.08886719,
         0.12304688, -0.15234375, -0.00138855, -0.10888672, -0.09423828,
         0.15820312, -0.19042969, -0.09082031, -0.18554688,  0.296875  ,
        -0.08740234,  0.07275391,  0.31835938,  0.01782227,  0.02062988,
         0.05371094,  0.03540039,  0.04736328, -0.0546875 , -0.16113281,
        -0.14160156,  0.0612793 , -0.1171875 , -0.07666016, -0.26953125,
        -0.26953125, -0.1796875 ,  0.0612793 , -0.29296875,  0.04272461],
       dtype=float32),
 "'ll": array([ 0.19335938,  0.15917969,  0.07714844,  0.28320312, -0.00988
77 ,
        -0.08398438,  0.07080078, -0.06787109,  0.06396484,  0.02709961,
        -0.13964844,  0.05200195,  0.05639648, -0.109375  , -0.1015625 ,
         0.04003906,  0.01452637,  0.35351562,  0.15625   , -0.11328125,
        -0.203125  ,  0.01055908,  0.22949219,  0.03686523, -0.03857422,
        -0.04418945, -0.07226562,  0.09130859, -0.01867676, -0.01477051,
        -0.01696777,  0.18359375, -0.13769531, -0.06591797, -0.14648438,
         0.11328125,  0.13574219,  0.03198242,  0.15429688, -0.09423828,
         0.14355469, -0.47265625,  0.36132812,  0.10449219, -0.02502441,
         0.08837891,  0.11132812, -0.13671875,  0.03735352, -0.21289062,
        -0.04003906,  0.18359375,  0.03833008,  0.24121094,  0.14257812,
        -0.08740234,  0.10888672, -0.09033203,  0.21679688, -0.03662109,
        -0.01495361,  0.11767578, -0.17675781, -0.01721191,  0.05517578,
         0.0324707 ,  0.00747681,  0.13769531, -0.04589844,  0.06445312,
         0.24511719,  0.2109375 ,  0.10791016,  0.02404785, -0.40039062,
        -0.25      ,  0.16210938,  0.16210938,  0.01611328, -0.02416992,
        -0.01190186, -0.17578125,  0.12255859, -0.06689453,  0.01062012,
        -0.07226562,  0.00292969,  0.38671875,  0.31640625,  0.3515625 ,
         0.13476562,  0.00512695, -0.02233887, -0.14941406, -0.25976562,
        -0.26367188,  0.1875    ,  0.24316406, -0.03112793, -0.00753784,
        -0.16699219, -0.08935547,  0.0378418 ,  0.00970459, -0.17871094,
        -0.13867188, -0.20898438,  0.0071106 ,  0.02624512,  0.01904297,
        -0.08154297, -0.06689453,  0.10449219,  0.03088379,  0.02807617,
         0.04516602, -0.00121307, -0.00564575,  0.10791016, -0.00524902,
         0.06884766, -0.07568359,  0.06884766,  0.07373047,  0.1875    ,
        -0.20996094, -0.07861328,  0.05688477, -0.21875   ,  0.01586914,
        -0.26367188, -0.08447266, -0.1875    ,  0.04345703, -0.06494141,
        -0.21484375,  0.14550781,  0.01300049,  0.23046875,  0.4140625 ,
         0.08691406, -0.10107422,  0.1015625 , -0.09521484,  0.21386719,
         0.11328125,  0.01330566, -0.359375  , -0.00084305, -0.05102539,
         0.02453613,  0.34375   , -0.10693359, -0.03417969,  0.10546875,
        -0.015625  ,  0.11621094,  0.03076172, -0.22460938,  0.11962891,
         0.12255859,  0.05419922, -0.01098633,  0.13085938,  0.13671875,
        -0.32226562,  0.0300293 ,  0.02832031,  0.11767578, -0.07177734,
        -0.21972656,  0.05029297, -0.00668335,  0.15722656, -0.05322266,
        -0.01190186, -0.07519531,  0.09326172,  0.05566406,  0.3828125 ,
        -0.2578125 ,  0.02050781,  0.00515747,  0.20800781, -0.10839844,
        -0.12353516, -0.17675781, -0.046875  ,  0.21582031, -0.03466797,
         0.12011719,  0.16308594,  0.01965332, -0.13183594,  0.03833008,
         0.08496094, -0.00701904, -0.18261719, -0.2734375 , -0.11425781,
        -0.04394531,  0.18945312, -0.0100708 ,  0.13769531, -0.16308594,
         0.13574219, -0.14453125, -0.08691406,  0.234375  ,  0.08447266,
         0.03320312,  0.20410156, -0.02612305, -0.02307129, -0.23046875,
         0.09228516,  0.12353516, -0.08886719, -0.15429688, -0.0480957 ,
        -0.06689453, -0.12255859, -0.25195312, -0.08056641,  0.06542969,
```

```
        -0.12988281,  0.09375   ,  0.12158203, -0.29101562, -0.08105469,
        -0.10498047, -0.02832031, -0.08837891, -0.05639648,  0.14550781,
         0.12304688, -0.06689453, -0.03588867,  0.18652344,  0.26367188,
         0.11083984,  0.07080078,  0.09423828, -0.22558594, -0.10791016,
        -0.03930664, -0.03320312,  0.14746094,  0.07324219, -0.19042969,
        -0.19921875, -0.04956055,  0.21972656, -0.00463867,  0.08837891,
         0.04614258,  0.14453125, -0.05053711, -0.08740234,  0.05957031,
        -0.12255859,  0.07470703, -0.05566406,  0.0324707 ,  0.0703125 ,
         0.08398438, -0.06933594, -0.13769531, -0.08642578,  0.03735352,
         0.30664062,  0.22363281,  0.09082031,  0.17871094,  0.12695312,
         0.00248718,  0.05395508, -0.19433594, -0.13476562,  0.04516602,
        -0.07763672, -0.12890625, -0.0402832 ,  0.078125  , -0.05029297,
        -0.04833984,  0.01843262, -0.04638672,  0.18457031,  0.12695312,
        -0.04150391,  0.046875  , -0.20703125,  0.01745605,  0.00051498,
         0.20996094,  0.19433594, -0.33007812, -0.01190186, -0.07470703],
       dtype=float32),
 'passionate': array([ 0.13085938,  0.00921631,  0.25195312, -0.125     , -
0.24121094,
         0.00708008,  0.24609375, -0.12695312,  0.12597656, -0.01623535,
        -0.125     , -0.05200195,  0.13476562,  0.07226562,  0.19726562,
         0.0546875 ,  0.03039551,  0.40429688,  0.21679688,  0.18652344,
        -0.01599121,  0.11572266,  0.12353516, -0.02563477, -0.00346375,
         0.06787109,  0.02941895, -0.00515747,  0.04711914, -0.34765625,
         0.06347656,  0.18066406, -0.01519775,  0.01989746,  0.39257812,
        -0.01287842,  0.04321289,  0.17773438, -0.06347656, -0.00099945,
         0.05371094, -0.18945312, -0.20703125,  0.22070312, -0.375     ,
        -0.12988281, -0.18164062,  0.08642578,  0.00842285, -0.01501465,
         0.20996094,  0.17578125, -0.14257812,  0.16113281,  0.10791016,
         0.21191406,  0.06542969, -0.30664062, -0.3046875 , -0.01361084,
         0.09033203, -0.14453125, -0.3046875 , -0.23339844, -0.06347656,
         0.03466797, -0.0859375 , -0.1640625 ,  0.10351562, -0.06835938,
        -0.07568359, -0.11328125, -0.06176758,  0.03027344, -0.24023438,
        -0.11230469,  0.18554688,  0.04614258,  0.18261719,  0.31054688,
        -0.16894531,  0.23046875,  0.265625  ,  0.00561523, -0.05688477,
        -0.2734375 , -0.37109375,  0.20703125,  0.09277344, -0.01574707,
        -0.13183594,  0.05957031, -0.31835938, -0.01989746,  0.02087402,
        -0.09130859, -0.09277344,  0.04785156, -0.12304688, -0.03015137,
        -0.26757812,  0.33203125, -0.08935547,  0.04272461,  0.15136719,
        -0.0030365 ,  0.20703125, -0.05444336,  0.35351562, -0.22265625,
        -0.02380371, -0.16015625,  0.01611328,  0.10693359,  0.37695312,
         0.00524902,  0.05151367, -0.30859375,  0.12207031, -0.19433594,
         0.06054688, -0.11279297, -0.05688477,  0.11572266, -0.04589844,
        -0.14160156, -0.0402832 ,  0.19433594, -0.29882812,  0.07714844,
        -0.08203125, -0.34375   , -0.24609375,  0.20703125,  0.10595703,
         0.19726562,  0.09667969, -0.01904297,  0.03881836,  0.30664062,
        -0.02392578,  0.19042969,  0.15820312, -0.2109375 , -0.18164062,
         0.01123047, -0.03442383,  0.14160156,  0.08105469, -0.45898438,
         0.18945312,  0.3671875 ,  0.08544922,  0.18457031, -0.265625  ,
         0.08007812, -0.02209473, -0.10253906,  0.01251221, -0.1328125 ,
        -0.09130859,  0.00126648,  0.03564453,  0.29101562,  0.09863281,
         0.0100708 ,  0.00799561, -0.10888672, -0.12988281, -0.1171875 ,
        -0.11914062,  0.02978516,  0.22949219, -0.32617188,  0.09960938,
        -0.08886719, -0.23828125,  0.16699219, -0.34179688, -0.19726562,
        -0.06347656, -0.18066406,  0.15917969, -0.06347656, -0.20898438,
         0.09765625, -0.23632812,  0.11328125, -0.15039062, -0.00830078,
        -0.14550781,  0.16308594,  0.27929688, -0.20605469,  0.13183594,
        -0.00183105,  0.03149414,  0.1171875 , -0.2578125 ,  0.21484375,
        -0.05957031,  0.09667969,  0.07177734, -0.13671875,  0.0456543 ,
        -0.16699219, -0.10839844, -0.03149414,  0.00497437, -0.19726562,
        -0.19238281,  0.07519531,  0.19433594, -0.14160156, -0.17285156,
        -0.09863281,  0.05297852,  0.07080078, -0.1640625 ,  0.18261719,
         0.03979492, -0.00204468, -0.29101562,  0.296875  ,  0.10644531,
         0.02746582,  0.27539062, -0.32226562,  0.18164062, -0.0546875 ,
        -0.17773438, -0.03515625,  0.05200195, -0.09716797,  0.05175781,
```

```
        -0.07275391,  0.14355469, -0.09570312, -0.07958984, -0.26171875,
         0.02575684, -0.04199219, -0.359375  ,  0.27929688, -0.06982422,
         0.31835938,  0.06494141, -0.03393555, -0.14257812, -0.25976562,
         0.1015625 ,  0.31835938, -0.01397705,  0.16992188,  0.11083984,
        -0.21289062, -0.1484375 , -0.08642578, -0.25195312,  0.05615234,
         0.0135498 , -0.09228516, -0.12792969,  0.17675781, -0.23242188,
         0.05541992, -0.06884766, -0.04760742,  0.01397705,  0.03417969,
         0.00698853, -0.02246094,  0.05786133,  0.25976562, -0.00463867,
        -0.16503906, -0.40234375,  0.06347656, -0.15625   ,  0.11083984,
         0.23828125, -0.23339844,  0.11669922, -0.00236511,  0.22558594,
         0.08154297, -0.24804688,  0.07519531,  0.11767578,  0.09716797,
         0.00576782, -0.25195312, -0.2734375 , -0.20703125, -0.06225586,
        -0.24707031,  0.26171875, -0.13574219,  0.13964844,  0.03662109],
       dtype=float32),
 'growing': array([-0.09423828,  0.33398438, -0.20117188,  0.09521484, -0.2
421875 ,
        -0.04272461, -0.23144531, -0.29492188, -0.11474609,  0.15722656,
         0.01831055, -0.0324707 ,  0.05273438, -0.0612793 , -0.19335938,
        -0.32421875, -0.14355469,  0.20019531, -0.04516602,  0.05126953,
        -0.03344727,  0.1015625 , -0.0390625 ,  0.03173828, -0.17480469,
        -0.12597656, -0.16796875,  0.17871094,  0.08789062, -0.02307129,
         0.07617188, -0.05517578, -0.07324219, -0.20019531,  0.20214844,
         0.00128937,  0.11425781, -0.17285156,  0.14355469,  0.1484375 ,
         0.296875  , -0.12890625, -0.09863281, -0.04882812, -0.0546875 ,
        -0.1953125 ,  0.04736328, -0.0090332 , -0.04272461, -0.1875    ,
         0.06030273, -0.13476562, -0.12890625, -0.08496094,  0.23535156,
         0.26757812, -0.05639648, -0.06787109,  0.06689453, -0.08056641,
         0.01953125,  0.25976562, -0.15234375, -0.09814453, -0.06542969,
         0.17480469, -0.08837891,  0.02941895,  0.01672363, -0.10693359,
         0.07421875,  0.0859375 , -0.04663086,  0.21777344, -0.00160217,
         0.03344727, -0.06640625,  0.01733398, -0.03637695,  0.26757812,
         0.17089844, -0.05249023,  0.04199219,  0.15136719, -0.20019531,
        -0.26953125, -0.3359375 ,  0.29492188, -0.01153564,  0.12402344,
         0.53515625, -0.09814453, -0.13476562, -0.09277344, -0.1484375 ,
         0.08740234,  0.16796875,  0.04101562, -0.08789062, -0.18554688,
        -0.33007812, -0.06787109,  0.01635742, -0.0534668 ,  0.00299072,
         0.00427246,  0.01965332, -0.16699219,  0.06347656, -0.19335938,
         0.03515625, -0.41601562, -0.22167969,  0.09472656,  0.09960938,
         0.13085938,  0.06396484, -0.01525879,  0.23535156,  0.08300781,
         0.07177734, -0.09179688, -0.04248047,  0.05517578, -0.04541016,
         0.1796875 , -0.19726562, -0.04907227, -0.0168457 ,  0.19433594,
         0.07519531,  0.15625   , -0.03198242, -0.01818848,  0.21484375,
         0.04394531,  0.22851562, -0.07568359,  0.16308594, -0.23632812,
        -0.28125   , -0.10693359, -0.11083984,  0.07275391,  0.07910156,
        -0.12255859, -0.00521851, -0.07421875,  0.03393555, -0.15722656,
         0.1328125 ,  0.08837891,  0.20019531, -0.07128906, -0.07226562,
         0.13476562, -0.14257812, -0.15527344, -0.02978516, -0.1015625 ,
         0.04785156, -0.12451172, -0.13085938, -0.27148438,  0.08935547,
         0.13476562,  0.15332031, -0.09716797,  0.20019531, -0.04418945,
        -0.16796875,  0.06542969, -0.02160645,  0.09375   ,  0.07958984,
         0.00793457, -0.10986328, -0.04760742, -0.00860596,  0.09814453,
         0.203125  , -0.08837891,  0.03125   , -0.29296875,  0.04907227,
         0.09863281, -0.171875  ,  0.00069046, -0.109375  ,  0.08935547,
        -0.01037598, -0.10498047, -0.06884766, -0.34570312, -0.09472656,
        -0.00964355, -0.22851562, -0.04541016,  0.12792969, -0.09130859,
        -0.16894531,  0.05761719,  0.1953125 , -0.06347656, -0.06982422,
         0.17382812,  0.28125   , -0.0546875 ,  0.04638672,  0.18652344,
        -0.24902344, -0.00775146, -0.07080078, -0.01916504, -0.1171875 ,
         0.14941406, -0.0111084 , -0.07763672, -0.01025391,  0.22265625,
         0.15332031,  0.15722656, -0.04443359, -0.01495361, -0.00610352,
        -0.10791016, -0.23535156, -0.4453125 ,  0.00228882,  0.06054688,
        -0.2890625 ,  0.02087402,  0.16601562,  0.04516602, -0.05566406,
        -0.15917969, -0.140625  , -0.02905273, -0.0859375 , -0.05053711,
         0.05102539, -0.06738281,  0.01757812, -0.01556396,  0.13769531,
```

```
         0.11865234,  0.17675781, -0.109375  , -0.07763672,  0.0112915 ,
        -0.12011719,  0.07470703,  0.15527344,  0.04931641,  0.16699219,
         0.01989746,  0.10644531, -0.2265625 , -0.33398438,  0.14550781,
         0.06787109, -0.07226562,  0.10888672,  0.11816406,  0.12597656,
         0.20996094, -0.33789062, -0.06933594, -0.03686523, -0.07617188,
        -0.20507812,  0.15820312,  0.09912109, -0.04077148, -0.11132812,
        -0.16699219, -0.28125   , -0.125     , -0.03637695, -0.08203125,
        -0.14453125, -0.02429199, -0.07617188, -0.05395508, -0.16503906,
         0.07666016,  0.01574707,  0.19824219,  0.10595703,  0.23144531,
        -0.00723267,  0.18945312, -0.21875   ,  0.06054688, -0.03955078,
        -0.05053711, -0.05883789,  0.17089844,  0.25390625, -0.27734375],
       dtype=float32),
 'driven': array([-0.00436401,  0.20117188,  0.01733398, -0.01818848, -0.29
296875,
        -0.12304688,  0.13574219, -0.27734375,  0.08691406,  0.22460938,
         0.13183594,  0.01867676,  0.015625  , -0.14257812,  0.18457031,
        -0.33398438,  0.18554688, -0.07080078,  0.12792969, -0.12451172,
        -0.06298828,  0.00561523, -0.12060547, -0.11132812,  0.05078125,
        -0.11669922, -0.1171875 ,  0.25195312,  0.26953125,  0.01397705,
         0.16210938, -0.28515625, -0.08789062,  0.12890625, -0.07861328,
        -0.01757812, -0.03735352, -0.15136719,  0.07714844, -0.02624512,
         0.05419922,  0.21972656, -0.03710938,  0.15332031,  0.04785156,
        -0.13378906, -0.04956055,  0.04370117,  0.27148438, -0.11962891,
        -0.08251953,  0.07666016, -0.23828125,  0.17578125, -0.15332031,
         0.29101562, -0.11669922,  0.06396484,  0.05249023, -0.08349609,
        -0.03759766, -0.22167969,  0.04174805,  0.03735352,  0.16992188,
         0.24609375, -0.14648438,  0.14355469,  0.01434326, -0.12890625,
        -0.01586914, -0.31054688,  0.15429688, -0.19628906, -0.09179688,
         0.14941406,  0.2265625 ,  0.11279297, -0.08544922,  0.02490234,
         0.19335938,  0.04125977, -0.07958984,  0.01660156,  0.11328125,
        -0.18847656,  0.01916504,  0.20898438, -0.26367188, -0.17871094,
         0.23535156,  0.00592041, -0.10888672,  0.12060547,  0.19726562,
        -0.05078125, -0.06738281,  0.16796875, -0.15527344, -0.08105469,
        -0.07617188, -0.01300049,  0.16796875,  0.20507812,  0.05419922,
        -0.32421875, -0.1328125 , -0.24609375, -0.01782227, -0.18359375,
         0.00247192, -0.2578125 , -0.09375   ,  0.03271484,  0.06396484,
         0.06835938, -0.01531982, -0.18457031,  0.27929688,  0.23242188,
         0.13476562,  0.16796875,  0.14257812, -0.06494141, -0.08984375,
         0.06591797,  0.11523438,  0.03833008,  0.02978516, -0.01177979,
        -0.13378906, -0.11669922,  0.18261719,  0.12255859,  0.00482178,
         0.02087402,  0.02038574,  0.08007812,  0.00805664,  0.04980469,
        -0.08496094, -0.13085938, -0.02563477,  0.02075195, -0.1796875 ,
         0.17285156,  0.20996094, -0.03149414,  0.11962891, -0.11523438,
         0.13574219, -0.13574219,  0.11474609,  0.04589844, -0.15917969,
         0.08642578, -0.1328125 ,  0.05322266, -0.12695312, -0.15722656,
         0.00171661,  0.11328125, -0.26171875,  0.06933594, -0.09716797,
        -0.10205078,  0.13476562, -0.06445312,  0.14550781, -0.09179688,
        -0.34179688, -0.11669922,  0.05175781, -0.24316406, -0.10302734,
         0.18261719, -0.01672363, -0.04833984, -0.2734375 ,  0.01037598,
         0.02441406, -0.1640625 , -0.04663086,  0.06079102, -0.07958984,
        -0.01409912,  0.03442383,  0.20703125, -0.11181641, -0.11083984,
         0.16015625,  0.02624512,  0.17089844, -0.03112793, -0.19238281,
         0.15332031, -0.10791016,  0.04296875,  0.01696777,  0.14355469,
         0.11865234, -0.03637695, -0.06738281, -0.06835938, -0.2109375 ,
        -0.06347656,  0.16503906, -0.02587891,  0.17089844, -0.10546875,
         0.01446533,  0.18554688,  0.08544922,  0.15234375,  0.04174805,
        -0.20996094,  0.14355469, -0.11376953, -0.16992188,  0.16015625,
        -0.24121094,  0.08935547,  0.22167969, -0.12060547,  0.12304688,
        -0.04125977,  0.16503906, -0.19433594, -0.02868652, -0.07324219,
         0.14648438, -0.00318909,  0.23339844,  0.03015137, -0.26367188,
         0.10986328,  0.01940918, -0.0255127 ,  0.09375   ,  0.05761719,
        -0.0402832 , -0.00286865, -0.05810547, -0.02539062,  0.10986328,
        -0.04956055, -0.01989746,  0.04785156,  0.07519531, -0.11962891,
         0.12109375,  0.03808594, -0.07470703,  0.27734375,  0.07861328,
```

```
        -0.12011719, -0.11181641, -0.22363281,  0.16894531, -0.09375   ,
        -0.26953125, -0.02807617,  0.125     ,  0.14257812, -0.08349609,
         0.13183594, -0.12988281, -0.08886719,  0.03173828,  0.2265625 ,
        -0.16796875,  0.06176758, -0.16796875, -0.06152344, -0.24414062,
        -0.11035156, -0.24902344,  0.09521484, -0.10009766,  0.13671875,
        -0.22070312,  0.0390625 , -0.06982422, -0.15820312, -0.00053787,
         0.15039062,  0.02697754,  0.09375   ,  0.04760742,  0.00044823,
        -0.29101562,  0.34179688, -0.15820312,  0.22070312, -0.14355469,
        -0.12695312,  0.04931641,  0.03686523,  0.23535156, -0.19238281],
       dtype=float32),
 'shared': array([-3.68652344e-02, -6.12792969e-02,  5.39550781e-02,  1.079
10156e-01,
        -1.66992188e-01, -5.93261719e-02,  1.55273438e-01,  1.66015625e-02,
         1.70898438e-01,  3.04687500e-01, -1.37695312e-01, -1.25000000e-01,
         1.95312500e-01,  2.67578125e-01, -1.25976562e-01, -1.03759766e-03,
         1.57226562e-01,  1.11816406e-01, -1.57226562e-01,  1.54296875e-01,
        -2.50000000e-01,  5.15136719e-02, -9.17968750e-02,  6.80541992e-03,
         9.57031250e-02, -5.41992188e-02, -1.41601562e-01,  8.74023438e-02,
        -1.98974609e-02, -1.37695312e-01, -8.78906250e-02, -2.14843750e-01,
         1.22070312e-02,  2.61718750e-01,  4.71191406e-02, -3.30078125e-01,
         1.63085938e-01, -1.25000000e-01,  2.18505859e-02,  4.88281250e-03,
        -5.22460938e-02,  1.05468750e-01,  8.83789062e-02, -2.61306763e-04,
         1.29882812e-01, -5.34667969e-02, -1.25000000e-01,  1.64794922e-02,
         5.63964844e-02,  2.58789062e-02,  4.17480469e-02,  2.02941895e-03,
        -1.34765625e-01, -4.51660156e-03, -2.58789062e-02, -9.52148438e-02,
        -2.38281250e-01,  8.69140625e-02,  6.12792969e-02,  5.54199219e-02,
         1.78710938e-01,  1.31835938e-01, -3.73535156e-02, -6.68945312e-02,
        -1.03027344e-01,  5.78613281e-02, -6.83593750e-02, -1.77734375e-01,
         1.59179688e-01, -9.42382812e-02, -9.66796875e-02, -2.31445312e-01,
         1.89453125e-01, -6.77490234e-03, -1.18164062e-01,  8.78906250e-02,
         5.07812500e-02,  1.35742188e-01, -1.28173828e-02,  2.24609375e-01,
        -3.00598145e-03, -1.48437500e-01,  1.08886719e-01, -3.83300781e-02,
         1.45507812e-01, -1.94335938e-01, -1.24511719e-01, -2.63671875e-02,
        -2.59765625e-01,  1.84570312e-01,  5.54199219e-02, -6.88476562e-02,
         1.62353516e-02,  6.00585938e-02,  9.96093750e-02,  4.05273438e-02,
        -1.77383423e-04,  9.57031250e-02, -9.91210938e-02,  3.21960449e-03,
        -5.41992188e-02, -1.70898438e-01, -2.20947266e-02, -2.40478516e-02,
        -1.69921875e-01,  1.58203125e-01, -2.09960938e-01,  1.70898438e-01,
         1.65039062e-01,  1.35742188e-01, -7.26318359e-03, -7.17773438e-02,
         1.55273438e-01, -3.95507812e-02,  2.32421875e-01,  2.16796875e-01,
         1.24023438e-01, -1.59179688e-01, -5.05371094e-02,  1.28906250e-01,
        -5.10253906e-02, -2.07031250e-01,  1.43554688e-01,  6.44531250e-02,
        -3.75000000e-01, -3.08593750e-01,  1.24511719e-01, -1.14257812e-01,
        -1.25976562e-01,  1.25976562e-01, -1.11083984e-02, -1.87500000e-01,
        -3.54003906e-02,  9.86328125e-02, -2.72216797e-02, -1.19628906e-01,
        -9.08203125e-02,  6.34765625e-02, -6.44531250e-02, -8.98437500e-02,
        -2.51953125e-01,  3.14941406e-02, -3.26171875e-01, -1.16210938e-01,
        -2.55859375e-01, -1.22558594e-01, -2.27539062e-01, -8.54492188e-02,
         9.57031250e-02,  1.49414062e-01,  2.50000000e-01,  1.92382812e-01,
        -1.28906250e-01, -1.10473633e-02,  1.09375000e-01,  9.86328125e-02,
        -1.54296875e-01, -1.42578125e-01, -9.03320312e-02, -1.98974609e-02,
        -7.42187500e-02, -2.29492188e-02, -1.24023438e-01,  1.48437500e-01,
        -6.98242188e-02, -1.17187500e-01,  7.66601562e-02,  1.59179688e-01,
        -3.68652344e-02, -6.34765625e-02, -1.31835938e-01, -4.22363281e-02,
         2.51953125e-01, -2.49023438e-01, -9.37500000e-02,  1.85546875e-01,
        -9.37500000e-02,  5.07812500e-02, -2.11914062e-01,  1.30859375e-01,
        -1.02050781e-01,  9.42382812e-02,  4.39453125e-02,  3.54003906e-02,
        -5.15136719e-02, -1.31835938e-01, -1.57226562e-01, -8.69140625e-02,
        -6.03027344e-02,  1.64062500e-01,  4.98046875e-02, -1.33789062e-01,
         2.73437500e-01, -8.49609375e-02, -1.90429688e-01,  2.65625000e-01,
        -1.03027344e-01,  6.07910156e-02,  1.17797852e-02, -2.48046875e-01,
         1.53320312e-01, -7.76367188e-02,  2.87109375e-01,  7.65991211e-03,
        -2.71484375e-01,  4.85839844e-02, -5.24902344e-02,  4.45556641e-03,
         6.34765625e-02, -2.30712891e-02, -2.27539062e-01, -2.24609375e-01,
```

```
         1.01074219e-01,  8.15429688e-02, -1.99890137e-03, -2.59765625e-01,
         9.91210938e-02,  5.78613281e-02, -2.20703125e-01,  3.93066406e-02,
         1.87988281e-02, -2.73437500e-02,  2.13867188e-01, -1.48437500e-01,
        -1.82617188e-01, -9.91210938e-02, -1.62109375e-01,  2.12097168e-03,
         1.13525391e-02, -2.04101562e-01,  1.09863281e-01,  6.22558594e-02,
         2.87109375e-01,  1.23535156e-01,  2.41699219e-02, -6.05468750e-02,
         2.17773438e-01, -1.23046875e-01, -1.07421875e-01,  2.49023438e-01,
         4.00390625e-02, -2.15820312e-01, -8.00781250e-02, -1.03149414e-02,
        -1.10473633e-02,  2.71484375e-01,  1.28906250e-01, -1.09252930e-02,
        -9.76562500e-02, -2.03857422e-02, -7.95898438e-02,  4.57031250e-01,
         1.16210938e-01,  2.33398438e-01,  7.76367188e-02, -8.17871094e-03,
        -1.83593750e-01,  1.37329102e-02, -2.10937500e-01,  1.30859375e-01,
        -1.83593750e-01,  6.73828125e-02,  3.63769531e-02,  5.39550781e-02,
         2.14843750e-01,  1.87500000e-01,  1.37695312e-01,  1.79687500e-01,
        -2.96875000e-01, -1.56250000e-02,  1.42578125e-01, -2.23632812e-01,
        -1.23046875e-01,  4.63867188e-02,  2.50000000e-01, -1.03027344e-01,
        -9.03320312e-02,  1.21093750e-01, -1.20117188e-01, -1.44531250e-01,
         1.67968750e-01, -5.41992188e-02, -1.50390625e-01, -8.34960938e-02,
         1.02050781e-01, -2.35595703e-02, -7.03125000e-02,  2.13867188e-01,
        -4.05273438e-02,  8.83789062e-02, -2.29492188e-02, -2.12402344e-02,
         1.31835938e-01,  1.47460938e-01, -1.96289062e-01, -1.35742188e-01,
         2.35351562e-01, -3.33984375e-01, -1.97753906e-02, -1.12304688e-0
1],
       dtype=float32),
 'love': array([ 0.10302734, -0.15234375,  0.02587891,  0.16503906, -0.1650
3906,
         0.06689453,  0.29296875, -0.26367188, -0.140625  ,  0.20117188,
        -0.02624512, -0.08203125, -0.02770996, -0.04394531, -0.23535156,
         0.16992188,  0.12890625,  0.15722656,  0.00756836, -0.06982422,
        -0.03857422,  0.07958984,  0.22949219, -0.14355469,  0.16796875,
        -0.03515625,  0.05517578,  0.10693359,  0.11181641, -0.16308594,
        -0.11181641,  0.13964844,  0.01556396,  0.12792969,  0.15429688,
         0.07714844,  0.26171875,  0.08642578, -0.02514648,  0.33398438,
         0.18652344, -0.20996094,  0.07080078,  0.02600098, -0.10644531,
        -0.10253906,  0.12304688,  0.04711914,  0.02209473,  0.05834961,
        -0.10986328,  0.14941406, -0.10693359,  0.01556396,  0.08984375,
         0.11230469, -0.04370117, -0.11376953, -0.0037384 , -0.01818848,
         0.24316406,  0.08447266, -0.07080078,  0.18066406,  0.03515625,
        -0.09667969, -0.21972656, -0.00328064, -0.03198242,  0.18457031,
         0.28515625, -0.0859375 , -0.11181641,  0.0213623 , -0.30664062,
        -0.09228516, -0.18945312,  0.01513672,  0.18554688,  0.34375   ,
        -0.31054688,  0.22558594,  0.08740234, -0.2265625 , -0.29492188,
         0.08251953, -0.38476562,  0.25390625,  0.26953125,  0.06298828,
        -0.00958252,  0.23632812, -0.17871094, -0.12451172, -0.17285156,
        -0.11767578,  0.19726562, -0.03466797, -0.10400391, -0.1640625 ,
        -0.19726562,  0.19824219,  0.09521484,  0.00561523,  0.12597656,
         0.00073624, -0.0402832 , -0.03063965,  0.01623535, -0.1640625 ,
        -0.22167969,  0.171875  ,  0.12011719, -0.01965332,  0.4453125 ,
         0.06494141,  0.05932617, -0.1640625 , -0.01367188,  0.18945312,
         0.05566406, -0.05004883, -0.01422119,  0.15917969,  0.07421875,
        -0.31640625, -0.0534668 , -0.02355957, -0.16992188,  0.0625    ,
        -0.140625  , -0.13183594, -0.12792969,  0.12060547,  0.05883789,
        -0.00055695,  0.05761719, -0.08447266,  0.16992188,  0.13671875,
        -0.09375   ,  0.08056641, -0.04003906, -0.03759766, -0.26367188,
         0.00662231, -0.01928711,  0.09423828, -0.13183594, -0.27929688,
         0.27734375,  0.31835938,  0.10058594,  0.11425781, -0.27734375,
         0.11035156, -0.06982422, -0.0859375 , -0.11132812, -0.27929688,
        -0.07763672,  0.05102539, -0.06176758,  0.44921875,  0.01867676,
        -0.15039062,  0.13671875, -0.15039062, -0.2265625 ,  0.11914062,
         0.06005859, -0.0390625 , -0.10839844,  0.02905273,  0.02331543,
         0.13183594,  0.01000977,  0.03149414, -0.12597656, -0.13671875,
        -0.30664062, -0.28515625,  0.09863281, -0.00564575, -0.08398438,
        -0.16015625, -0.14453125, -0.18261719,  0.10009766,  0.04345703,
         0.10644531,  0.16503906,  0.06298828,  0.17578125,  0.15820312,
```

```
         0.125     ,  0.171875  , -0.05664062, -0.09033203, -0.21289062,
        -0.0390625 , -0.03320312, -0.18652344, -0.18945312, -0.01818848,
        -0.03051758, -0.17675781,  0.15234375,  0.01953125,  0.01696777,
        -0.10839844,  0.18066406,  0.00497437, -0.11621094, -0.19824219,
        -0.19140625,  0.21386719,  0.08984375, -0.16308594, -0.00325012,
        -0.07128906,  0.08251953,  0.02160645,  0.10107422, -0.29101562,
        -0.04785156, -0.03369141, -0.14453125, -0.06396484, -0.12451172,
        -0.24804688,  0.09277344,  0.01165771,  0.24707031,  0.3828125 ,
         0.02429199, -0.12255859,  0.00259399, -0.015625  ,  0.00540161,
         0.04736328, -0.00744629, -0.18261719,  0.21972656, -0.16601562,
         0.359375  ,  0.05297852, -0.03808594, -0.10400391, -0.18457031,
         0.07470703,  0.2734375 ,  0.28320312,  0.15234375,  0.05126953,
        -0.15429688, -0.15722656, -0.21582031, -0.19824219,  0.09960938,
        -0.09179688,  0.07519531, -0.02441406,  0.17382812, -0.11279297,
         0.00219727,  0.07470703, -0.02307129,  0.08642578,  0.16601562,
         0.07763672,  0.14746094,  0.15429688,  0.11425781,  0.14550781,
        -0.24023438, -0.2109375 ,  0.07421875, -0.14746094, -0.08642578,
         0.16113281, -0.07128906,  0.109375  ,  0.17675781,  0.18554688,
        -0.15820312, -0.2265625 ,  0.15039062, -0.08544922,  0.09130859,
        -0.03198242,  0.13476562, -0.15136719, -0.42773438, -0.03442383,
        -0.27929688,  0.125     , -0.19824219, -0.12304688,  0.06494141],
       dtype=float32),
 'uncovering': array([-2.06054688e-01,  5.22460938e-02, -5.90820312e-02, -
7.61718750e-02,
        -3.29589844e-03,  2.51464844e-02,  1.34765625e-01,  7.12890625e-02,
         1.73828125e-01,  2.77343750e-01,  2.32421875e-01, -1.27929688e-01,
        -1.69677734e-02,  3.49121094e-02, -5.15136719e-02, -3.99780273e-03,
        -2.55859375e-01,  2.50000000e-01, -3.02734375e-01,  8.44726562e-02,
         6.15234375e-02, -1.88476562e-01, -9.30786133e-04,  1.26342773e-02,
         1.62109375e-01, -2.40478516e-02,  4.63867188e-02,  1.22070312e-03,
        -2.00195312e-01, -7.08007812e-02, -3.37890625e-01, -2.41210938e-01,
         9.81445312e-02,  2.05078125e-01, -1.79687500e-01, -8.74023438e-02,
        -1.30004883e-02,  4.73632812e-02,  3.59375000e-01,  5.68847656e-02,
         2.26562500e-01,  6.29882812e-02, -3.04687500e-01, -5.83496094e-02,
        -1.68945312e-01, -9.03320312e-02, -1.01074219e-01,  1.37695312e-01,
         6.54296875e-02, -7.22656250e-02,  2.57812500e-01,  1.62109375e-01,
         1.77001953e-02, -9.96093750e-02, -5.37109375e-02,  2.21679688e-01,
         2.91748047e-02, -3.41796875e-01, -2.91824341e-04,  1.80664062e-02,
         1.59912109e-02,  4.80468750e-01,  1.55273438e-01, -1.09375000e-01,
        -1.15234375e-01,  9.52148438e-02,  8.34960938e-02, -5.49316406e-02,
         1.10839844e-01, -1.74804688e-01,  1.00708008e-02,  2.02148438e-01,
        -1.04980469e-01, -1.72851562e-01, -8.05664062e-03,  3.56445312e-02,
         2.53906250e-01,  2.01171875e-01, -2.91748047e-02, -1.64794922e-02,
        -3.47656250e-01,  9.22851562e-02,  2.31445312e-01,  1.03027344e-01,
        -1.37695312e-01, -2.73437500e-01, -8.78906250e-02, -2.16064453e-02,
        -1.32812500e-01,  2.31445312e-01,  2.77343750e-01, -5.37109375e-02,
        -2.07519531e-02,  3.20312500e-01, -2.39257812e-02,  3.41796875e-02,
         1.21582031e-01, -4.95605469e-02,  5.05371094e-02, -6.03027344e-02,
        -3.02734375e-01, -1.23046875e-01,  4.06250000e-01,  1.79290771e-03,
         4.06265259e-04,  1.34765625e-01, -1.71875000e-01,  8.30078125e-02,
        -1.06933594e-01, -2.39257812e-01,  1.42578125e-01,  1.48437500e-01,
        -7.71484375e-02,  4.32128906e-02, -5.56640625e-02,  7.22656250e-02,
        -2.96630859e-02,  1.66015625e-01,  2.63671875e-01, -1.30615234e-02,
        -2.36816406e-02, -1.19209290e-04, -2.92968750e-02, -2.39257812e-02,
         1.19140625e-01, -2.17285156e-02,  2.35595703e-02,  1.25976562e-01,
        -3.98437500e-01,  2.18750000e-01,  8.93554688e-02, -3.98437500e-01,
        -1.59179688e-01,  4.05273438e-02,  9.22851562e-02, -8.78906250e-02,
         2.41210938e-01, -1.04492188e-01,  3.90625000e-02,  1.09863281e-01,
        -4.29687500e-02, -1.90429688e-01, -3.20312500e-01,  1.18652344e-01,
        -4.02832031e-02, -3.16406250e-01, -2.50000000e-01, -1.77734375e-01,
        -1.98242188e-01,  6.00585938e-02,  7.22656250e-02, -4.57031250e-01,
        -2.01171875e-01,  2.12890625e-01,  1.19628906e-01,  5.41992188e-02,
         5.34667969e-02, -8.15429688e-02,  3.39355469e-02,  3.02734375e-01,
         9.52148438e-02,  1.11328125e-01, -2.71484375e-01, -6.39648438e-02,
```

```
        -3.69140625e-01,  6.54296875e-02,  1.81640625e-01, -3.26171875e-01,
        -1.49414062e-01,  3.37219238e-03,  1.48010254e-03,  1.36718750e-01,
        -1.27929688e-01,  1.70898438e-02,  2.27050781e-02, -2.63671875e-01,
         1.89208984e-02, -1.34765625e-01, -3.43322754e-03, -1.93359375e-01,
         1.92382812e-01,  1.55273438e-01,  1.35742188e-01, -3.61328125e-01,
        -1.67968750e-01,  1.11816406e-01, -1.73828125e-01,  1.77734375e-01,
         1.26953125e-01,  6.59179688e-02,  2.20947266e-02,  9.22851562e-02,
         5.35156250e-01, -1.38671875e-01, -3.78906250e-01,  1.18164062e-01,
         6.44531250e-02, -2.81250000e-01,  1.03515625e-01, -3.90625000e-02,
         1.77734375e-01, -4.15039062e-02, -1.24511719e-01, -2.36328125e-01,
         2.75390625e-01,  3.04687500e-01, -1.20605469e-01,  9.91210938e-02,
        -3.12500000e-02, -2.25585938e-01,  5.76171875e-02,  1.31835938e-01,
        -2.01171875e-01,  1.86523438e-01,  8.49609375e-02,  2.10937500e-01,
         1.02539062e-01, -3.32031250e-01, -8.20312500e-02, -3.10546875e-01,
         1.52343750e-01, -2.13867188e-01, -8.30078125e-03,  4.00390625e-01,
        -3.08593750e-01,  2.92968750e-02,  3.05175781e-02,  4.46777344e-02,
        -2.61718750e-01, -2.73437500e-01,  1.36718750e-01,  3.12500000e-02,
        -6.78710938e-02,  1.84570312e-01,  1.01562500e-01, -1.94335938e-01,
         2.65625000e-01,  7.95898438e-02, -5.24902344e-02, -1.57226562e-01,
         1.55639648e-02,  3.44238281e-02, -3.90625000e-01,  5.00488281e-02,
        -4.24194336e-03,  1.19628906e-01, -2.57568359e-02,  3.30078125e-01,
        -1.09375000e-01,  9.66796875e-02,  1.22558594e-01,  8.05664062e-02,
         1.10351562e-01,  6.73828125e-02, -5.59082031e-02,  3.22265625e-02,
         2.27539062e-01, -2.73437500e-01, -2.55859375e-01, -1.15234375e-01,
         3.28125000e-01, -3.16406250e-01,  2.99072266e-02,  1.00585938e-01,
        -1.04980469e-01,  7.12890625e-02, -1.23046875e-01, -2.64892578e-02,
        -2.69775391e-02,  1.08398438e-01,  1.77734375e-01, -1.16210938e-01,
        -1.11694336e-02, -1.22558594e-01,  1.40625000e-01,  4.17480469e-02,
         9.91210938e-02,  8.98437500e-02,  5.12695312e-02, -5.81054688e-02,
         2.56347656e-02, -8.59375000e-02,  1.88476562e-01, -1.26953125e-01,
        -3.54003906e-02,  1.38671875e-01, -1.66992188e-01,  1.33789062e-01,
         2.02148438e-01, -7.71484375e-02, -7.69042969e-03, -8.83789062e-02,
        -2.59765625e-01,  1.28906250e-01, -2.32421875e-01, -2.04101562e-01,
         7.32421875e-02,  4.44335938e-02,  2.45117188e-01,  3.63281250e-0
1],
       dtype=float32),
 'empowering': array([-0.09228516, -0.00723267,  0.06835938, -0.09570312, -
0.11572266,
         0.02282715,  0.13769531,  0.08544922, -0.05395508, -0.12402344,
        -0.1328125 , -0.09277344,  0.07519531,  0.27929688,  0.02844238,
         0.0133667 ,  0.04174805,  0.38867188, -0.04345703,  0.05908203,
         0.11230469, -0.07666016, -0.09033203,  0.02648926, -0.01818848,
        -0.0402832 ,  0.01000977,  0.02099609, -0.10791016, -0.19628906,
        -0.03686523, -0.19628906, -0.01275635, -0.09179688,  0.02539062,
        -0.08691406,  0.10595703, -0.15136719,  0.15527344, -0.0144043 ,
        -0.15136719,  0.24121094,  0.04907227,  0.20214844, -0.09326172,
        -0.328125  , -0.01055908,  0.13671875, -0.00191498, -0.02880859,
         0.05078125,  0.03540039,  0.0168457 ,  0.109375  ,  0.07324219,
         0.2578125 , -0.02661133, -0.19335938, -0.12695312,  0.01708984,
         0.09033203, -0.02355957, -0.09423828,  0.00094223, -0.19335938,
         0.06298828, -0.078125  ,  0.4375    ,  0.2578125 , -0.10595703,
        -0.20507812,  0.11083984, -0.10205078,  0.0213623 ,  0.21289062,
        -0.3671875 ,  0.26953125,  0.20800781,  0.37304688,  0.07128906,
        -0.02319336,  0.07958984, -0.04516602,  0.04125977, -0.05932617,
        -0.16796875, -0.14160156, -0.20410156,  0.16210938,  0.02026367,
        -0.09326172, -0.18945312, -0.15039062, -0.34570312,  0.01422119,
        -0.17675781, -0.1171875 ,  0.12890625,  0.04370117, -0.11474609,
        -0.04833984,  0.02148438, -0.12109375,  0.10253906, -0.27734375,
         0.11572266, -0.16894531, -0.17578125,  0.26953125, -0.27148438,
        -0.09912109, -0.17382812, -0.15917969, -0.01867676,  0.13085938,
         0.1640625 ,  0.08935547, -0.18261719,  0.04394531, -0.12597656,
        -0.11816406,  0.375     , -0.0324707 ,  0.23730469,  0.09375   ,
        -0.00585938, -0.20703125,  0.18554688, -0.18164062,  0.32617188,
        -0.08349609, -0.00346375, -0.05493164,  0.17675781,  0.20898438,
```

```
         0.006073  ,  0.11132812, -0.15039062,  0.04321289, -0.03320312,
         0.30664062, -0.18359375, -0.15527344, -0.23242188, -0.21191406,
        -0.16796875, -0.07910156, -0.22851562,  0.30664062, -0.31445312,
         0.11962891,  0.09863281, -0.02941895,  0.02197266,  0.18164062,
         0.14550781, -0.15625   , -0.00695801, -0.10888672, -0.3671875 ,
         0.04931641,  0.04174805, -0.17871094,  0.00485229, -0.14550781,
        -0.20117188, -0.12695312, -0.02697754,  0.04101562, -0.20019531,
        -0.21191406,  0.19433594,  0.16699219, -0.24902344,  0.0039978 ,
         0.0222168 ,  0.15136719, -0.38085938, -0.34570312,  0.171875  ,
        -0.2890625 , -0.23632812,  0.08203125, -0.4375    , -0.2890625 ,
         0.09472656, -0.4296875 ,  0.28320312,  0.0390625 , -0.14453125,
        -0.02954102,  0.09619141,  0.12597656, -0.30078125, -0.1328125 ,
        -0.10791016, -0.05517578,  0.15917969,  0.37695312, -0.06445312,
        -0.0625    , -0.01708984,  0.14355469, -0.40234375, -0.17285156,
         0.00202942, -0.19726562,  0.04516602, -0.18359375, -0.20800781,
        -0.06079102,  0.14648438,  0.04907227,  0.02172852,  0.19921875,
         0.01757812,  0.03564453,  0.16894531, -0.25      ,  0.11816406,
        -0.14550781,  0.29492188,  0.07763672,  0.21484375, -0.03857422,
         0.05541992,  0.07617188, -0.11279297, -0.07324219,  0.09423828,
         0.00312805,  0.02270508, -0.14746094,  0.00976562,  0.19042969,
         0.07080078, -0.05786133,  0.06933594, -0.07666016,  0.06835938,
         0.05029297, -0.17675781, -0.10058594, -0.05175781,  0.04418945,
        -0.15917969, -0.04394531,  0.09863281, -0.02087402, -0.08154297,
         0.07470703,  0.18945312,  0.10644531,  0.31835938,  0.25585938,
        -0.24804688,  0.03955078, -0.04150391,  0.10693359, -0.07568359,
        -0.09423828, -0.01806641,  0.12890625,  0.08789062, -0.19726562,
        -0.06982422,  0.15527344,  0.14453125, -0.24023438,  0.11035156,
        -0.02893066,  0.22753906, -0.12890625,  0.13378906,  0.11767578,
         0.12988281, -0.08251953,  0.37890625, -0.04882812,  0.05712891,
         0.01660156, -0.12988281, -0.12988281, -0.02697754, -0.17480469,
         0.07666016, -0.13183594, -0.16113281,  0.32226562, -0.21191406,
        -0.22753906,  0.04638672, -0.16894531, -0.23242188, -0.46484375,
         0.16601562,  0.19824219,  0.08886719, -0.00540161,  0.23046875],
       dtype=float32),
 'informed': array([-2.40234375e-01,  1.73339844e-02, -3.80859375e-02, -3.5
9375000e-01,
        -1.99218750e-01, -3.17382812e-02,  1.50390625e-01,  1.13281250e-01,
         2.59765625e-01, -3.47656250e-01, -7.61718750e-02, -1.39648438e-01,
        -1.28906250e-01,  3.20312500e-01,  1.84326172e-02, -2.73437500e-02,
        -8.74023438e-02, -1.28906250e-01, -5.05371094e-02,  8.69140625e-02,
         1.93359375e-01,  7.47070312e-02,  1.15722656e-01,  1.50390625e-01,
         1.28906250e-01,  2.63671875e-02, -1.85546875e-02, -6.54296875e-02,
        -6.54296875e-02, -2.45117188e-01,  1.29882812e-01, -1.88476562e-01,
         2.49023438e-02,  1.44531250e-01, -1.07421875e-01, -5.85937500e-02,
        -2.62451172e-02, -1.61132812e-01, -8.00781250e-02, -8.59375000e-02,
        -1.16699219e-01,  8.20312500e-02,  2.63671875e-02, -2.92968750e-01,
        -2.38037109e-02, -1.42578125e-01, -2.05078125e-01, -2.63671875e-01,
        -7.47070312e-02,  2.33154297e-02,  5.88378906e-02, -1.02539062e-01,
         7.03125000e-02, -1.74560547e-02, -2.35351562e-01,  2.18750000e-01,
        -6.83593750e-02, -2.00195312e-01,  2.85156250e-01, -1.60156250e-01,
        -9.47265625e-02, -1.66992188e-01, -5.59082031e-02,  4.22363281e-02,
        -9.32617188e-02,  9.81445312e-02, -8.88671875e-02,  1.05468750e-01,
         1.86523438e-01,  8.15429688e-02, -4.07714844e-02, -9.37500000e-02,
         1.70898438e-01,  1.91406250e-01, -1.50390625e-01, -8.39843750e-02,
         2.16796875e-01,  8.05664062e-02,  1.36718750e-01,  6.93359375e-02,
        -5.24902344e-02,  1.97753906e-02,  1.48437500e-01,  2.57812500e-01,
        -2.77099609e-02, -3.41796875e-01, -1.42578125e-01, -1.52343750e-01,
         1.36718750e-01,  1.81640625e-01,  1.37695312e-01, -1.07421875e-01,
         6.68945312e-02,  6.25000000e-02, -1.59179688e-01, -1.06445312e-01,
        -2.59765625e-01,  1.16699219e-01,  1.68945312e-01, -3.47656250e-01,
         6.88476562e-02, -1.37695312e-01, -1.81640625e-01, -1.39648438e-01,
         1.62109375e-01, -6.25000000e-02, -1.20605469e-01, -2.13867188e-01,
        -1.57470703e-02, -1.01562500e-01, -5.10253906e-02, -2.11914062e-01,
        -1.36718750e-01, -1.46484375e-01, -4.22363281e-02, -6.39648438e-02,
```

```
         3.84765625e-01,  1.27929688e-01,  3.00781250e-01, -8.25195312e-02,
        -2.13867188e-01,  3.08593750e-01, -4.49218750e-02,  2.79296875e-01,
        -2.86865234e-02,  2.30407715e-03, -2.64892578e-02, -1.79687500e-01,
        -9.61914062e-02,  9.81445312e-02, -2.63671875e-01, -1.70898438e-01,
        -1.85546875e-01, -1.22558594e-01, -1.04370117e-02, -2.47070312e-01,
        -5.32226562e-02,  1.26953125e-01,  1.08886719e-01,  2.91748047e-02,
         1.13769531e-01,  4.10156250e-02, -4.00390625e-01, -2.35351562e-01,
        -9.47265625e-02,  1.16699219e-01, -2.95410156e-02, -5.22460938e-02,
         3.14941406e-02,  1.09375000e-01, -6.49414062e-02,  4.40597534e-04,
        -8.88671875e-02, -3.22265625e-02, -3.14941406e-02, -1.29882812e-01,
        -2.07031250e-01, -6.83593750e-02, -2.69531250e-01, -3.66210938e-02,
         1.77001953e-02,  7.61718750e-02, -9.76562500e-02, -7.12890625e-02,
        -6.34765625e-03, -1.31835938e-01, -1.19140625e-01,  1.34765625e-01,
         3.16406250e-01, -1.31835938e-01,  9.46044922e-03,  7.81250000e-02,
         3.04687500e-01, -1.73828125e-01, -8.00781250e-02, -1.07910156e-01,
         1.50390625e-01, -1.42578125e-01,  5.51757812e-02,  8.05664062e-03,
         2.55859375e-01,  6.54296875e-02,  1.08398438e-01, -8.15429688e-02,
        -1.97753906e-02,  1.63085938e-01, -2.81250000e-01,  1.32812500e-01,
        -9.13085938e-02, -5.81054688e-02, -2.27539062e-01, -3.61633301e-03,
        -1.23535156e-01,  1.30859375e-01,  4.32128906e-02,  1.79443359e-02,
         3.51562500e-02,  2.40234375e-01, -1.14135742e-02,  7.03125000e-02,
         2.13623047e-02, -3.23486328e-03, -1.94335938e-01, -3.56445312e-02,
        -1.75781250e-02, -2.45117188e-01,  1.66992188e-01,  4.76074219e-02,
         1.73828125e-01, -2.14843750e-01, -2.90527344e-02,  2.96875000e-01,
         1.33789062e-01, -1.63085938e-01, -6.83593750e-03,  1.14746094e-01,
         1.62109375e-01,  3.44238281e-02, -1.00097656e-01,  1.28906250e-01,
         1.93359375e-01, -1.66015625e-02, -4.51660156e-02,  2.09960938e-01,
         1.87500000e-01, -1.70898438e-01,  8.49609375e-02,  1.37695312e-01,
        -2.35351562e-01, -5.68847656e-02,  2.22656250e-01, -8.69140625e-02,
         1.49414062e-01, -1.55273438e-01,  3.59375000e-01, -4.85839844e-02,
         2.73437500e-01, -6.29882812e-02,  6.73828125e-02, -1.04003906e-01,
        -1.68945312e-01, -5.83496094e-02,  4.15039062e-02,  2.37304688e-01,
        -2.55859375e-01,  3.73046875e-01,  5.76171875e-02, -4.11987305e-03,
         1.90429688e-01, -1.47460938e-01,  3.17382812e-02,  2.65625000e-01,
         1.34765625e-01,  4.71191406e-02,  1.77734375e-01, -2.61718750e-01,
        -1.84570312e-01,  1.15722656e-01, -8.34960938e-02, -1.33789062e-01,
         1.90429688e-01,  2.08740234e-02, -1.93359375e-01,  9.88769531e-03,
         1.32812500e-01,  1.80664062e-01,  4.32128906e-02, -5.46875000e-02,
         3.75976562e-02,  5.32226562e-02,  3.06640625e-01, -1.34765625e-01,
         5.98144531e-02,  3.46679688e-02,  2.23388672e-02, -2.09960938e-01,
         4.68750000e-02,  7.22656250e-02,  1.62353516e-02,  2.50000000e-01,
         4.46777344e-02, -2.34375000e-02, -2.99072266e-02, -3.90625000e-02,
         1.84570312e-01,  1.70898438e-01, -7.17773438e-02,  2.32421875e-01,
         4.74609375e-01,  7.01904297e-03, -1.64794922e-02,  6.34765625e-02,
        -1.04980469e-01, -6.34765625e-02, -2.14843750e-02,  1.44531250e-01,
        -1.75781250e-01,  2.65502930e-03,  9.03320312e-02, -6.98242188e-0
2],
       dtype=float32),
 'choice': array([-0.00964355,  0.10205078, -0.00939941,  0.16796875, -0.09
912109,
         0.09863281,  0.15820312, -0.24121094,  0.24804688,  0.21484375,
        -0.18457031, -0.07568359,  0.02783203, -0.16210938, -0.06738281,
         0.27929688,  0.12597656, -0.06542969, -0.01977539, -0.203125  ,
         0.04150391,  0.21386719,  0.012146  ,  0.17480469, -0.12207031,
         0.06933594, -0.14941406,  0.11328125,  0.03369141, -0.03344727,
         0.265625  ,  0.15722656,  0.08154297,  0.05541992,  0.21679688,
         0.23242188,  0.06835938,  0.13476562, -0.26367188, -0.01147461,
         0.06152344, -0.1484375 ,  0.04736328, -0.08007812, -0.03564453,
        -0.02783203,  0.26367188,  0.09033203, -0.40039062,  0.00582886,
        -0.10644531, -0.06347656,  0.16015625,  0.01635742, -0.05395508,
        -0.05615234, -0.00601196, -0.16308594, -0.03662109,  0.00135803,
        -0.01196289,  0.09716797,  0.09228516, -0.00457764, -0.08203125,
        -0.21191406, -0.17382812,  0.15917969, -0.01385498,  0.09716797,
         0.04711914,  0.09375   , -0.00534058,  0.04711914, -0.03466797,
```

```
        -0.18457031,  0.16015625,  0.07910156, -0.04467773,  0.30273438,
         0.18359375,  0.01556396,  0.05712891, -0.05297852,  0.02087402,
         0.04248047, -0.06933594,  0.14355469,  0.38867188,  0.06689453,
         0.23242188, -0.05395508,  0.0004921 ,  0.07958984, -0.03833008,
        -0.265625  , -0.18554688,  0.1640625 , -0.15722656, -0.15039062,
         0.06689453,  0.00842285, -0.08154297,  0.1875    , -0.07568359,
         0.01159668,  0.109375  , -0.203125  , -0.07958984, -0.06445312,
         0.03979492, -0.11230469,  0.09521484, -0.13378906,  0.2421875 ,
        -0.11669922,  0.2421875 , -0.12158203,  0.03295898, -0.02990723,
        -0.15234375,  0.09667969, -0.02429199,  0.13183594, -0.02539062,
        -0.04833984,  0.00546265, -0.16796875,  0.03637695,  0.04785156,
        -0.14550781,  0.18261719, -0.01379395,  0.22460938,  0.04467773,
        -0.27734375, -0.02770996, -0.14746094,  0.26953125,  0.00254822,
         0.015625  ,  0.06982422, -0.09228516,  0.01031494,  0.01940918,
         0.15722656,  0.05053711,  0.05566406,  0.08154297,  0.05395508,
         0.00976562,  0.03027344,  0.03112793, -0.17578125, -0.15234375,
        -0.17382812, -0.22265625, -0.19042969, -0.16699219, -0.21386719,
        -0.33984375, -0.20117188,  0.01184082,  0.04467773, -0.11083984,
        -0.15917969, -0.22363281,  0.00933838, -0.07763672, -0.19628906,
        -0.15332031,  0.21386719,  0.00854492, -0.24902344, -0.02954102,
         0.19824219,  0.10058594, -0.33203125, -0.05664062,  0.17773438,
        -0.25195312, -0.19238281,  0.05029297, -0.125     ,  0.07226562,
        -0.38671875, -0.06103516,  0.08837891,  0.08349609, -0.12890625,
        -0.12255859, -0.15429688,  0.06591797, -0.10498047, -0.11523438,
        -0.08007812,  0.00946045, -0.00122833,  0.16503906, -0.17285156,
         0.00689697,  0.01171875,  0.04296875, -0.04394531,  0.07470703,
         0.06030273,  0.04296875, -0.03125   ,  0.04052734, -0.20410156,
         0.16894531,  0.22558594,  0.0222168 ,  0.21777344, -0.18261719,
        -0.06738281,  0.03686523, -0.06054688, -0.13867188,  0.06591797,
        -0.11279297, -0.18945312, -0.08447266,  0.14648438,  0.09716797,
         0.08691406,  0.05273438, -0.18652344,  0.02099609,  0.12109375,
        -0.01403809,  0.05175781,  0.13476562,  0.04589844,  0.3671875 ,
         0.07714844,  0.01257324, -0.17773438, -0.15332031,  0.03344727,
        -0.04248047, -0.21582031, -0.07470703,  0.05053711, -0.13671875,
         0.18945312,  0.04345703,  0.171875  ,  0.06542969, -0.19824219,
         0.03979492, -0.12451172,  0.02893066, -0.12988281,  0.04052734,
         0.08056641, -0.15332031,  0.11376953, -0.02429199, -0.00689697,
         0.08300781,  0.25      , -0.16796875,  0.10693359,  0.03686523,
         0.07861328,  0.12060547,  0.01043701, -0.265625  , -0.02148438,
        -0.09423828, -0.14648438,  0.10595703,  0.03588867,  0.02233887,
         0.05883789, -0.06176758, -0.12060547, -0.04833984,  0.15527344,
         0.21289062, -0.07568359,  0.09716797, -0.2265625 , -0.20410156,
         0.14550781, -0.04272461,  0.01916504,  0.12695312,  0.07763672,
         0.0112915 ,  0.08154297, -0.07128906, -0.09033203,  0.16308594,
         0.02746582,  0.27734375, -0.02587891, -0.14257812,  0.18847656],
       dtype=float32),
 'build': array([-1.43554688e-01,  2.16796875e-01,  3.88183594e-02,  8.9843
7500e-02,
        -3.03649902e-03, -1.25976562e-01,  8.69140625e-02, -9.37500000e-02,
        -3.49121094e-02,  1.62109375e-01, -1.38671875e-01,  1.90429688e-01,
        -8.10546875e-02,  1.31835938e-01, -5.46875000e-02, -2.66113281e-02,
        -1.88476562e-01,  1.49414062e-01, -7.37304688e-02,  1.63085938e-01,
        -1.69921875e-01,  1.78710938e-01,  1.15722656e-01,  2.92968750e-02,
         1.17187500e-01, -7.47070312e-02,  9.57031250e-02,  1.38671875e-01,
        -7.42187500e-02, -2.55859375e-01,  1.09375000e-01,  1.81640625e-01,
        -2.98828125e-01, -2.00195312e-01,  5.41992188e-02, -6.88476562e-02,
         7.42187500e-02,  8.15429688e-02,  7.61718750e-02,  1.77734375e-01,
         7.86132812e-02,  3.54003906e-02,  1.79687500e-01,  1.21093750e-01,
        -1.97753906e-02, -2.40234375e-01, -1.42578125e-01,  5.34057617e-03,
        -1.14257812e-01,  3.02734375e-01,  1.91406250e-01,  1.76757812e-01,
        -9.86328125e-02, -1.86523438e-01, -5.00488281e-03, -3.29589844e-02,
        -2.16796875e-01, -3.30078125e-01, -3.05175781e-02, -1.85546875e-01,
         1.50390625e-01, -1.51367188e-01, -1.13769531e-01, -4.56542969e-02,
        -8.72802734e-03,  1.64062500e-01, -2.05078125e-02,  2.99072266e-02,
```

```
        -7.75146484e-03,  1.54296875e-01,  8.25195312e-02,  2.53906250e-02,
        -7.01904297e-03, -1.11816406e-01,  9.71679688e-02, -1.66015625e-01,
        -1.66320801e-03, -5.68847656e-02, -1.19628906e-01,  1.63085938e-01,
         1.08398438e-01, -2.67578125e-01, -2.44140625e-02,  1.58691406e-03,
         1.18652344e-01, -1.06811523e-02, -1.49414062e-01,  2.30468750e-01,
        -2.32421875e-01,  1.17187500e-01,  1.76757812e-01,  6.07910156e-02,
        -1.36718750e-01, -1.69677734e-02,  7.91015625e-02, -2.13867188e-01,
        -8.64257812e-02,  1.77734375e-01, -7.76367188e-02,  2.07519531e-02,
        -7.71484375e-02, -8.10546875e-02,  1.69921875e-01,  2.33398438e-01,
         1.16699219e-01,  2.92968750e-02,  2.66113281e-02, -1.08886719e-01,
         3.12805176e-03,  1.83593750e-01, -1.03027344e-01,  2.74658203e-02,
        -1.05468750e-01, -6.93359375e-02,  6.15234375e-02, -9.32617188e-02,
         4.71191406e-02,  1.16210938e-01,  2.28515625e-01, -5.67626953e-03,
         2.01171875e-01, -3.63281250e-01,  1.53198242e-02,  1.64062500e-01,
        -1.19628906e-01, -9.52148438e-03,  9.27734375e-02, -2.51953125e-01,
        -2.63671875e-02,  6.64062500e-02,  1.36718750e-01,  7.03125000e-02,
         1.04003906e-01,  2.55126953e-02,  1.24023438e-01,  1.95312500e-01,
         1.20605469e-01,  4.37011719e-02, -4.88281250e-02, -4.95605469e-02,
        -1.19628906e-01,  5.98144531e-02, -9.13085938e-02,  4.71191406e-02,
         1.72851562e-01, -2.23632812e-01, -1.28906250e-01, -4.51171875e-01,
        -3.10058594e-02, -1.96289062e-01,  1.07421875e-01, -3.59375000e-01,
         1.44531250e-01, -3.08837891e-02,  1.03759766e-02,  3.24218750e-01,
         1.75781250e-01, -1.63085938e-01, -1.66015625e-01,  4.95605469e-02,
         2.31445312e-01, -2.00195312e-01, -2.61718750e-01, -1.25000000e-01,
        -4.02832031e-02,  8.64257812e-02,  2.21679688e-01, -2.01171875e-01,
        -1.59179688e-01, -2.79541016e-02, -1.03027344e-01, -2.63671875e-02,
        -9.66796875e-02, -8.30078125e-02,  2.50000000e-01, -5.54199219e-02,
         1.33789062e-01, -5.88378906e-02, -1.11816406e-01,  3.10546875e-01,
        -6.05468750e-02, -2.32421875e-01, -1.06933594e-01, -1.23046875e-01,
         1.13769531e-01, -2.11914062e-01,  1.41601562e-01, -7.86132812e-02,
         4.39453125e-02, -3.46679688e-02, -1.15234375e-01, -6.25000000e-02,
         1.29882812e-01, -1.02050781e-01, -2.45117188e-01, -2.67578125e-01,
         8.54492188e-02,  5.90820312e-02, -1.59179688e-01, -5.85937500e-02,
         1.63574219e-02,  5.61523438e-02,  8.64257812e-02, -7.42187500e-02,
        -1.13769531e-01, -1.03027344e-01, -7.08007812e-02, -3.61328125e-01,
         1.27929688e-01, -6.44531250e-02, -2.71606445e-03, -1.70898438e-02,
        -1.20117188e-01,  3.17382812e-02, -1.17187500e-01,  1.01562500e-01,
         2.37304688e-01,  1.68457031e-02, -2.63671875e-02,  8.39843750e-02,
         8.00781250e-02,  7.22656250e-02, -3.66210938e-02,  9.34600830e-04,
         1.36718750e-01,  1.79443359e-02, -5.12695312e-03,  9.52148438e-02,
        -9.42382812e-02,  2.95410156e-02, -5.63964844e-02, -1.16210938e-01,
         1.42578125e-01, -4.61425781e-02,  1.10351562e-01, -9.76562500e-02,
        -9.91210938e-02, -1.30859375e-01,  1.66992188e-01,  5.88378906e-02,
        -1.13769531e-01,  8.05664062e-02, -1.01562500e-01, -1.85546875e-01,
         1.84570312e-01, -1.56250000e-01, -5.61523438e-02,  7.91015625e-02,
        -1.36718750e-01,  1.00097656e-02,  3.69262695e-03,  1.94335938e-01,
         6.43920898e-03,  1.40625000e-01,  1.96289062e-01,  1.76757812e-01,
         1.15871429e-04,  1.86523438e-01, -3.00781250e-01, -1.00097656e-02,
        -1.91650391e-02, -9.76562500e-02,  2.42614746e-03,  1.14746094e-01,
         1.88476562e-01, -6.25610352e-03,  4.34570312e-02, -2.77343750e-01,
        -1.21582031e-01,  2.18200684e-03, -1.85546875e-01,  1.61132812e-02,
         1.33789062e-01, -1.00585938e-01,  1.00097656e-02, -2.16064453e-02,
        -1.50390625e-01, -1.32812500e-01, -1.43554688e-01, -2.59765625e-01,
        -1.03027344e-01, -1.25000000e-01,  5.82885742e-03,  2.05078125e-01,
        -1.73339844e-02,  3.24707031e-02, -2.07031250e-01,  5.05371094e-02,
         1.57226562e-01,  1.85394287e-03, -2.21679688e-01,  5.46875000e-01,
        -2.71484375e-01,  1.97753906e-02, -1.63085938e-01, -1.47460938e-01,
        -2.99072266e-02, -8.44726562e-02, -1.34887695e-02, -2.41210938e-0
1],
       dtype=float32),
 'hex': array([ 0.03930664,  0.2109375 ,  0.12597656, -0.26171875, -0.20507
812,
         0.45898438, -0.10742188,  0.04638672, -0.06225586,  0.41796875,
         0.11669922, -0.15820312, -0.14453125,  0.07128906,  0.01281738,
```

```
         0.15917969, -0.11816406,  0.01855469, -0.01586914, -0.375     ,
         0.06396484,  0.08789062,  0.15527344, -0.22558594, -0.14355469,
        -0.04174805, -0.25585938,  0.14746094,  0.01135254,  0.06591797,
         0.12988281,  0.11376953,  0.21484375, -0.05273438,  0.05419922,
         0.3671875 ,  0.25      ,  0.05664062, -0.20410156,  0.25      ,
         0.5625    ,  0.19140625,  0.29296875, -0.05029297,  0.04833984,
         0.02746582,  0.27929688, -0.11181641,  0.29296875,  0.10351562,
        -0.22460938,  0.15917969, -0.23535156,  0.31640625, -0.27148438,
        -0.17382812, -0.04418945, -0.13867188, -0.00430298, -0.23730469,
         0.24023438,  0.265625  ,  0.25      , -0.11523438, -0.296875  ,
        -0.11035156, -0.01312256,  0.14160156, -0.08203125,  0.2734375 ,
         0.30859375,  0.05371094, -0.12695312, -0.75      , -0.1640625 ,
         0.10644531,  0.07275391, -0.15527344,  0.24121094, -0.328125  ,
         0.15625   , -0.15136719, -0.09814453,  0.01855469,  0.11816406,
         0.26953125,  0.04589844, -0.15917969,  0.265625  ,  0.20996094,
        -0.24316406, -0.10888672, -0.0300293 ,  0.0378418 , -0.21484375,
         0.5546875 ,  0.28710938,  0.01733398, -0.109375  ,  0.171875  ,
        -0.01281738, -0.1796875 ,  0.03808594, -0.16113281,  0.04663086,
         0.28125   , -0.13574219,  0.12060547, -0.13769531, -0.04199219,
         0.38476562, -0.30859375,  0.25585938,  0.13085938,  0.21875   ,
        -0.16699219, -0.11328125,  0.3203125 ,  0.28710938, -0.2578125 ,
         0.02001953, -0.11279297, -0.0071106 , -0.03637695, -0.13476562,
        -0.29492188,  0.15917969,  0.17480469, -0.19824219,  0.15039062,
         0.03662109,  0.01049805, -0.19726562, -0.25      ,  0.15332031,
         0.49609375,  0.06640625,  0.06835938, -0.6796875 ,  0.33789062,
         0.28320312, -0.20117188, -0.234375  , -0.01818848,  0.296875  ,
        -0.20019531, -0.27734375,  0.10107422, -0.06030273,  0.1171875 ,
         0.03833008, -0.29101562, -0.11230469,  0.07421875, -0.18554688,
        -0.04931641, -0.24121094,  0.20019531, -0.24023438,  0.11181641,
        -0.23535156,  0.2265625 , -0.38671875, -0.515625  , -0.07470703,
        -0.09765625, -0.07128906,  0.02160645, -0.4609375 , -0.09277344,
         0.00118256, -0.14355469, -0.08837891, -0.07617188,  0.02514648,
        -0.06542969,  0.23144531, -0.53515625,  0.09423828, -0.08886719,
        -0.37890625, -0.07763672,  0.30664062,  0.34765625, -0.04907227,
         0.02478027, -0.01623535, -0.02050781,  0.40039062, -0.11230469,
         0.20507812,  0.0168457 , -0.07519531,  0.04101562, -0.49414062,
         0.3203125 ,  0.09765625,  0.07275391, -0.65234375, -0.43554688,
         0.01397705, -0.1328125 , -0.20605469,  0.23144531, -0.00946045,
        -0.01611328,  0.18066406, -0.30859375,  0.09619141,  0.03833008,
        -0.37890625, -0.08837891, -0.0378418 , -0.390625  , -0.05810547,
        -0.04321289, -0.04516602, -0.0255127 , -0.31640625,  0.04345703,
        -0.33203125, -0.01513672,  0.28515625,  0.18066406, -0.11279297,
        -0.0534668 ,  0.22167969,  0.06591797, -0.17480469,  0.14160156,
        -0.02807617, -0.15136719, -0.51171875, -0.01794434, -0.20410156,
        -0.24609375,  0.24707031, -0.28125   ,  0.24804688,  0.00744629,
         0.06079102, -0.10205078,  0.34960938,  0.04736328, -0.0222168 ,
        -0.17382812, -0.17089844,  0.31054688, -0.11328125, -0.16894531,
        -0.23144531,  0.4921875 ,  0.26171875,  0.04760742, -0.12792969,
        -0.375     , -0.12304688, -0.19628906,  0.04736328, -0.13964844,
         0.12207031,  0.11083984, -0.125     ,  0.23242188,  0.15917969,
         0.25390625,  0.11181641,  0.02172852,  0.05151367, -0.46875   ,
        -0.00772095,  0.21289062,  0.22558594, -0.16894531,  0.03759766,
        -0.11669922,  0.04150391, -0.06445312, -0.1953125 ,  0.03491211,
        -0.09765625,  0.10449219,  0.10009766, -0.22167969,  0.22949219,
        -0.42382812, -0.18945312, -0.08447266, -0.04638672, -0.38085938,
         0.41601562,  0.23535156,  0.01184082,  0.00762939,  0.31835938,
        -0.00318909, -0.10839844, -0.48046875, -0.1875    , -0.08105469],
       dtype=float32),
 'clear': array([-2.44140625e-04, -1.02050781e-01, -1.49414062e-01, -4.2480
4688e-02,
        -1.67968750e-01, -1.46484375e-01,  1.76757812e-01,  1.46484375e-01,
         2.26562500e-01,  9.76562500e-02, -2.67578125e-01, -1.29882812e-01,
         1.24511719e-01,  2.23632812e-01, -2.13867188e-01,  3.10058594e-02,
         2.00195312e-01, -4.76074219e-02, -6.83593750e-02, -1.21093750e-01,
```

```
 3.22265625e-02,  3.14453125e-01, -1.11816406e-01,  8.00781250e-02,
-2.75878906e-02, -6.04248047e-03, -7.37304688e-02, -1.72851562e-01,
 9.66796875e-02, -4.91333008e-03, -1.78710938e-01, -1.40380859e-03,
 7.91015625e-02,  1.07910156e-01, -1.10351562e-01, -8.34960938e-02,
 1.98974609e-02, -3.14331055e-03,  1.30615234e-02,  3.34472656e-02,
 2.55859375e-01, -7.12890625e-02,  2.83203125e-01, -2.75390625e-01,
-8.49609375e-02, -3.73535156e-02, -9.17968750e-02, -1.30859375e-01,
 3.49121094e-02,  7.32421875e-02,  2.17773438e-01,  5.00488281e-02,
 7.47070312e-02, -1.25000000e-01, -5.73730469e-02, -2.74658203e-02,
-1.37329102e-02, -2.13867188e-01, -1.12792969e-01, -4.98046875e-02,
-1.92382812e-01,  1.32812500e-01, -5.00488281e-02, -1.66015625e-01,
-1.57470703e-02, -1.37695312e-01,  3.88183594e-02,  1.57226562e-01,
-1.52343750e-01, -1.64794922e-02, -2.27539062e-01,  3.34472656e-02,
 1.55273438e-01,  1.65039062e-01, -1.66992188e-01,  3.14941406e-02,
 2.85156250e-01,  2.69531250e-01,  3.32031250e-02,  2.41210938e-01,
 1.39160156e-02,  5.12695312e-02,  9.76562500e-02,  3.14941406e-02,
 2.51464844e-02, -2.85156250e-01, -1.24023438e-01, -6.88476562e-02,
-5.29785156e-02,  2.06054688e-01, -2.07031250e-01, -1.60156250e-01,
-2.61230469e-02, -3.01513672e-02,  8.66699219e-03, -1.30859375e-01,
 3.88183594e-02,  8.60595703e-03,  5.31005859e-03, -6.05468750e-02,
 1.03759766e-02,  1.33789062e-01, -1.89971924e-03, -4.27246094e-02,
-1.14746094e-01, -1.47705078e-02,  9.71679688e-02, -1.66992188e-01,
 5.63964844e-02, -2.76184082e-03, -1.05468750e-01, -1.03027344e-01,
-1.07421875e-01, -1.70898438e-01,  7.61718750e-02, -1.64062500e-01,
 9.96093750e-02,  1.35742188e-01, -6.83593750e-02,  2.26562500e-01,
-4.04296875e-01,  4.93164062e-02, -7.08007812e-02, -1.34887695e-02,
-7.81250000e-02, -9.86328125e-02, -2.14843750e-01, -1.75781250e-01,
-8.11767578e-03,  1.96289062e-01, -5.39550781e-02, -9.88769531e-03,
 2.73437500e-01,  8.34465027e-05,  2.53906250e-01, -2.18750000e-01,
-2.09960938e-02,  2.06054688e-01,  1.75781250e-01, -6.25000000e-02,
-1.74560547e-02,  5.07812500e-02,  9.66796875e-02, -4.95605469e-02,
-1.60156250e-01,  1.44531250e-01, -2.73437500e-01, -1.25000000e-01,
-2.17285156e-02,  8.69140625e-02, -7.29370117e-03, -4.66308594e-02,
-1.38671875e-01, -4.07714844e-02, -1.95312500e-01,  1.18164062e-01,
 5.06591797e-03, -1.16699219e-01, -1.56250000e-02,  1.83593750e-01,
-1.15722656e-01,  1.28906250e-01,  7.66601562e-02, -1.65039062e-01,
-6.88476562e-02,  1.50756836e-02, -6.68945312e-02, -2.92968750e-01,
 1.01562500e-01, -3.27148438e-02, -2.94189453e-02,  1.09863281e-01,
 1.01562500e-01, -1.45507812e-01, -2.89306641e-02,  1.28906250e-01,
 2.17285156e-02, -1.32812500e-01, -1.25976562e-01, -1.79687500e-01,
-5.76171875e-02,  1.18408203e-02, -1.08886719e-01,  5.98144531e-03,
-2.31933594e-03,  1.11328125e-01, -7.82012939e-04,  1.04003906e-01,
-1.49414062e-01,  7.56835938e-02, -2.85156250e-01, -6.52313232e-04,
 1.29882812e-01,  2.42919922e-02,  1.38671875e-01,  1.72119141e-02,
 5.51757812e-02, -2.12890625e-01, -1.30859375e-01, -3.85742188e-02,
 8.54492188e-02, -1.00585938e-01, -4.98046875e-02, -3.83300781e-02,
 2.05078125e-02,  1.99218750e-01,  3.03955078e-02,  2.46582031e-02,
 1.36718750e-01, -3.28125000e-01, -1.82617188e-01,  1.25976562e-01,
-1.51977539e-02,  1.13281250e-01, -1.53320312e-01, -7.66601562e-02,
 7.76367188e-02, -5.95703125e-02,  4.88281250e-02,  2.59765625e-01,
-6.49414062e-02, -3.22265625e-02,  3.58886719e-02,  6.17675781e-02,
 1.91406250e-01, -1.49414062e-01,  2.03125000e-01,  9.57031250e-02,
 1.65039062e-01,  7.32421875e-02, -1.15234375e-01,  2.75878906e-02,
 1.79687500e-01,  7.17773438e-02,  1.23046875e-01,  3.75976562e-02,
-1.53320312e-01, -2.11181641e-02,  8.54492188e-03, -2.68554688e-02,
-1.67236328e-02, -1.40625000e-01, -1.04492188e-01,  6.59179688e-02,
-2.29492188e-01,  2.95410156e-02,  1.00097656e-01,  1.79687500e-01,
 1.50390625e-01,  4.44335938e-02, -9.09423828e-03, -5.46875000e-02,
 3.83300781e-02,  1.30859375e-01,  2.16796875e-01, -7.08007812e-02,
-1.53320312e-01,  3.14941406e-02, -1.79687500e-01, -7.56835938e-02,
 9.57031250e-02, -1.57226562e-01, -5.76171875e-02, -2.35595703e-02,
-1.90429688e-02,  6.88476562e-02,  8.78906250e-02, -1.95312500e-01,
 5.90820312e-02, -1.26953125e-01,  2.00195312e-01, -5.54199219e-02,
 1.96289062e-01, -5.52368164e-03, -1.03027344e-01,  2.72216797e-02,
```

```
        -9.22851562e-02, -3.67187500e-01,  3.08837891e-02,  2.89062500e-01,
         3.73535156e-02, -4.29687500e-02,  6.92749023e-03,  2.74658203e-02,
         1.08886719e-01,  2.63671875e-01,  5.07812500e-02,  2.18750000e-01,
         1.39648438e-01, -6.59179688e-03, -5.34667969e-02, -1.05468750e-01,
         8.69140625e-02, -4.39453125e-03, -1.64794922e-02, -3.29589844e-02,
         8.93554688e-02, -1.85546875e-02,  5.12695312e-02, -2.15820312e-0
1],
       dtype=float32),
 'accessible': array([-2.29492188e-01, -2.79296875e-01, -1.38671875e-01,
1.77001953e-02,
        -2.20703125e-01, -1.14746094e-02,  2.27539062e-01,  2.39257812e-01,
         4.60937500e-01, -7.42187500e-02, -1.89453125e-01, -6.05468750e-02,
         8.91113281e-03, -1.02539062e-01,  2.50000000e-01, -1.45507812e-01,
         1.60156250e-01,  1.96533203e-02,  2.81250000e-01,  2.89306641e-02,
         2.22656250e-01,  6.73828125e-02, -4.05273438e-02,  2.15820312e-01,
        -2.59765625e-01, -1.58203125e-01, -2.33154297e-02,  1.14135742e-02,
        -9.37500000e-02, -3.39843750e-01, -1.58203125e-01,  1.46484375e-01,
        -8.00781250e-02, -1.21093750e-01,  2.38281250e-01, -4.27734375e-01,
        -9.37500000e-02, -1.84570312e-01,  8.15429688e-02, -1.50390625e-01,
         3.14331055e-03,  2.63671875e-01, -5.44433594e-02,  5.63964844e-02,
         5.51757812e-02, -2.39257812e-01, -3.55468750e-01,  1.04980469e-01,
        -1.84570312e-01, -9.86328125e-02,  2.36328125e-01, -1.88476562e-01,
         5.63964844e-02, -2.91015625e-01, -7.32421875e-02,  1.54296875e-01,
        -1.15966797e-02, -2.94921875e-01, -9.52148438e-02, -1.89208984e-02,
        -5.68847656e-02, -3.53515625e-01, -2.71484375e-01, -2.51953125e-01,
        -4.17480469e-02, -1.92382812e-01, -3.57421875e-01,  1.13281250e-01,
         1.25122070e-02,  1.10351562e-01, -7.51953125e-02, -2.55859375e-01,
         1.55273438e-01, -1.01074219e-01,  1.17187500e-01,  3.34472656e-02,
         1.76757812e-01, -5.83496094e-02,  6.34765625e-02,  3.12500000e-01,
         3.80859375e-02,  4.71191406e-02,  1.20117188e-01,  7.27539062e-02,
         6.17675781e-02,  8.64257812e-02, -1.81640625e-01, -2.71484375e-01,
         1.54296875e-01,  3.06640625e-01, -2.73437500e-01, -3.41796875e-01,
         2.47070312e-01, -2.03125000e-01,  2.75878906e-02,  6.28662109e-03,
         1.25976562e-01, -2.20947266e-02, -9.37500000e-02, -1.03027344e-01,
        -1.96289062e-01,  1.79687500e-01, -4.93164062e-02,  1.71875000e-01,
         9.09423828e-03,  4.54101562e-02,  3.34472656e-02,  4.39453125e-02,
        -5.78613281e-02, -3.18359375e-01,  1.17797852e-02, -1.11816406e-01,
        -1.28906250e-01, -2.03125000e-01,  6.68945312e-02, -8.20312500e-02,
        -1.13281250e-01, -1.77734375e-01,  2.40234375e-01,  2.14843750e-01,
        -1.55273438e-01,  3.00781250e-01, -1.81579590e-03,  1.88476562e-01,
        -4.41894531e-02, -1.25000000e-01, -1.06334686e-04, -7.87353516e-03,
        -4.73632812e-02,  2.02148438e-01, -1.42578125e-01,  6.68945312e-02,
        -1.97753906e-02,  3.86718750e-01, -8.88671875e-02, -1.04980469e-01,
         5.39550781e-02, -2.48046875e-01, -1.46484375e-01,  3.73535156e-02,
         2.22656250e-01, -1.50390625e-01, -1.56250000e-01,  5.37109375e-02,
        -9.52148438e-03,  9.08203125e-02, -1.10839844e-01, -1.41601562e-01,
         1.00585938e-01, -5.24902344e-02, -1.57226562e-01, -1.57470703e-02,
        -5.71289062e-02, -1.74560547e-02,  4.83398438e-02, -3.07617188e-02,
        -1.37695312e-01,  1.71875000e-01, -4.78515625e-01, -8.30078125e-02,
         1.64062500e-01,  1.71875000e-01,  1.20117188e-01,  2.34375000e-01,
        -4.14062500e-01, -2.44140625e-02, -2.12890625e-01, -2.20947266e-02,
        -2.20947266e-02, -4.00390625e-01, -2.28515625e-01, -2.80761719e-02,
         1.25000000e-01, -7.65991211e-03,  3.14941406e-02,  1.60156250e-01,
        -2.96875000e-01, -3.86718750e-01, -2.98828125e-01, -1.28906250e-01,
        -2.05078125e-01, -8.00781250e-02, -1.53320312e-01, -2.49023438e-01,
        -1.72851562e-01,  1.79687500e-01, -1.43554688e-01,  1.25122070e-02,
         1.66992188e-01, -1.00097656e-01, -8.64257812e-02, -2.96875000e-01,
         1.87500000e-01, -1.11328125e-01, -2.05078125e-01,  3.34472656e-02,
        -1.54296875e-01,  9.03320312e-02, -1.94335938e-01, -3.51562500e-02,
         3.71093750e-02,  6.17675781e-02,  1.15356445e-02, -2.12890625e-01,
        -3.71093750e-01, -6.78710938e-02,  1.04003906e-01, -1.21582031e-01,
        -2.17773438e-01, -1.04980469e-02,  1.03515625e-01,  2.87109375e-01,
         9.37500000e-02,  2.83203125e-01,  4.32128906e-02,  1.87500000e-01,
         3.68652344e-02,  1.73828125e-01, -1.71875000e-01,  5.41992188e-02,
```

```
         5.68847656e-02, -6.15234375e-02,  1.13769531e-01,  7.51953125e-02,
         5.98144531e-02,  3.36914062e-02,  2.11181641e-02, -2.19726562e-02,
        -2.21679688e-01, -1.60156250e-01,  1.46484375e-01,  7.91015625e-02,
         1.56250000e-01,  1.91406250e-01,  2.32421875e-01,  1.78710938e-01,
         4.83398438e-02, -1.14746094e-01,  9.91210938e-02,  1.90429688e-01,
         1.65039062e-01, -1.01074219e-01, -1.57470703e-02,  1.11816406e-01,
         1.06201172e-02,  2.73437500e-01,  1.73828125e-01,  3.39843750e-01,
        -8.54492188e-03, -2.50000000e-01, -1.65039062e-01,  3.44238281e-02,
        -6.10351562e-03,  1.44531250e-01,  3.33984375e-01, -8.34960938e-02,
        -3.39843750e-01, -1.75781250e-01, -3.20312500e-01,  6.00585938e-02,
         1.13281250e-01, -2.71484375e-01,  1.91406250e-01,  2.15820312e-01,
         1.28906250e-01,  5.81054688e-02,  2.07031250e-01, -2.87109375e-01,
        -3.39355469e-02, -1.17187500e-01,  1.19628906e-01,  1.52343750e-01,
         1.65039062e-01,  7.95898438e-02,  1.93359375e-01, -1.61132812e-01,
         1.16699219e-01, -2.44140625e-01, -1.52343750e-01, -2.17285156e-02,
        -1.25976562e-01, -6.83593750e-02, -2.85644531e-02, -1.24023438e-01,
        -2.53295898e-03,  7.95898438e-02, -1.36718750e-01,  3.83300781e-02,
         1.36718750e-01,  7.86132812e-02, -1.27929688e-01, -5.32226562e-02,
        -1.08032227e-02,  2.01171875e-01, -3.32031250e-02,  1.69921875e-01,
        -1.92871094e-02, -3.47656250e-01, -5.88378906e-02, -2.72216797e-0
2],
       dtype=float32),
 'complex': array([ 1.39770508e-02,  8.98437500e-02, -6.21795654e-04,  3.10
058594e-02,
        -1.94335938e-01, -3.11279297e-02,  2.87109375e-01,  9.66796875e-02,
        -4.34570312e-02, -4.58984375e-02,  3.22265625e-02, -1.69921875e-01,
        -9.47265625e-02, -1.71875000e-01, -1.43554688e-01,  2.02636719e-02,
        -1.32812500e-01, -4.51660156e-02,  1.94335938e-01, -1.49414062e-01,
        -1.50390625e-01, -2.25585938e-01,  2.86865234e-02,  1.39648438e-01,
         1.51367188e-01, -2.87109375e-01,  4.94384766e-03, -2.57812500e-01,
        -2.06054688e-01, -2.00195312e-01,  9.81445312e-02,  2.32421875e-01,
         3.15856934e-03, -6.29882812e-02, -6.88476562e-02,  9.52148438e-02,
        -8.48388672e-03, -4.95605469e-02,  2.09960938e-01, -1.19140625e-01,
         4.41894531e-02, -8.93554688e-02, -1.55273438e-01,  2.67578125e-01,
        -9.76562500e-02, -9.37500000e-02, -2.37304688e-01,  1.70898438e-02,
        -2.07031250e-01, -4.63867188e-02,  1.62109375e-01,  1.29394531e-02,
        -7.37304688e-02, -3.65234375e-01, -3.24707031e-02,  6.98242188e-02,
         1.62109375e-01, -4.16015625e-01,  3.66210938e-02, -1.77734375e-01,
        -2.39257812e-02,  2.23388672e-02,  2.95410156e-02, -1.31835938e-01,
         1.84570312e-01, -1.43554688e-01, -8.98437500e-02,  1.00097656e-01,
         1.23046875e-01, -3.18359375e-01,  2.12890625e-01, -8.83789062e-02,
         6.88476562e-02, -3.43750000e-01, -4.58984375e-02,  1.98974609e-02,
         1.45507812e-01,  5.81054688e-02, -7.47680664e-03,  6.98242188e-02,
        -1.80664062e-01,  2.69775391e-02, -8.39843750e-02,  1.09863281e-01,
         7.08007812e-02, -2.08007812e-01, -4.04296875e-01, -6.98242188e-02,
        -7.91015625e-02, -2.09960938e-02, -4.34570312e-02, -3.00781250e-01,
        -7.91015625e-02, -6.17675781e-02, -1.58691406e-03,  1.15234375e-01,
        -6.98242188e-02, -3.14453125e-01, -5.32226562e-02,  1.16699219e-01,
         1.42578125e-01,  1.74804688e-01,  8.20312500e-02, -1.31835938e-01,
        -9.52148438e-03, -8.25195312e-02,  1.64062500e-01, -2.53906250e-01,
         1.83105469e-02, -9.86328125e-02, -3.90625000e-03,  8.98437500e-02,
         5.20019531e-02, -1.27563477e-02,  2.92968750e-01,  7.76367188e-02,
         1.47460938e-01, -6.54296875e-02,  2.83203125e-01, -2.63671875e-02,
        -2.36328125e-01, -1.41601562e-01, -6.07910156e-02, -5.22460938e-02,
        -1.28906250e-01, -1.33789062e-01, -2.38037109e-02,  1.88476562e-01,
         1.95312500e-01,  1.24023438e-01,  4.78515625e-02,  4.73632812e-02,
        -2.80761719e-02, -2.39257812e-02,  1.36718750e-01,  8.54492188e-02,
         1.73828125e-01, -1.81640625e-01, -1.92382812e-01, -3.63769531e-02,
        -1.98364258e-04,  4.76074219e-02,  8.20312500e-02,  1.65039062e-01,
        -1.24023438e-01, -1.89453125e-01, -1.85546875e-01,  1.27929688e-01,
        -1.32812500e-01, -1.77001953e-02,  1.44042969e-02, -1.27929688e-01,
         1.52343750e-01,  2.79541016e-02, -1.07421875e-01, -6.83593750e-02,
         4.44335938e-02,  1.30004883e-02,  7.41577148e-03, -1.21093750e-01,
         3.07617188e-02,  1.00097656e-01, -2.73437500e-02, -1.76757812e-01,
```

```
        -8.00781250e-02,  1.58203125e-01,  2.18505859e-02, -1.29882812e-01,
        -2.88085938e-02,  1.77734375e-01, -1.46484375e-01, -1.13281250e-01,
        -1.37695312e-01, -1.69921875e-01, -6.77490234e-03, -2.55126953e-02,
        -1.30859375e-01,  1.81640625e-01, -1.68945312e-01,  7.86132812e-02,
        -2.27050781e-02,  1.92871094e-02, -2.51953125e-01, -7.22656250e-02,
         1.45507812e-01, -1.42822266e-02,  1.16210938e-01,  3.30078125e-01,
        -1.48315430e-02, -2.00195312e-02, -4.71191406e-02, -3.95507812e-02,
         1.69921875e-01, -1.25976562e-01, -2.24609375e-01, -7.26318359e-03,
        -1.21582031e-01, -1.94335938e-01,  9.76562500e-02, -5.41992188e-02,
         2.01171875e-01,  3.19824219e-02, -2.23632812e-01, -1.96533203e-02,
         1.19140625e-01, -1.76757812e-01,  7.03125000e-02,  1.33056641e-02,
         5.27343750e-02, -8.10546875e-02,  1.70898438e-03, -1.46484375e-01,
         1.68457031e-02,  1.04492188e-01, -4.34570312e-02, -8.93554688e-02,
        -1.68609619e-03,  2.29492188e-01, -3.00781250e-01,  1.46484375e-01,
        -1.58691406e-02,  8.49609375e-02, -3.02734375e-01, -8.69140625e-02,
         8.72802734e-03, -2.34375000e-01,  3.46679688e-02,  1.66015625e-02,
        -3.20312500e-01,  3.14941406e-02,  8.59375000e-02, -4.93164062e-02,
         1.48925781e-02, -1.50390625e-01, -1.67236328e-02,  3.95507812e-02,
        -1.90429688e-01, -1.90429688e-01,  2.83203125e-01, -9.76562500e-02,
         1.04980469e-01, -9.57031250e-02, -2.87109375e-01, -1.68945312e-01,
         1.24511719e-01, -1.15234375e-01,  1.22680664e-02,  1.50390625e-01,
        -1.25976562e-01, -1.02539062e-02,  6.73828125e-02,  1.26953125e-01,
         1.47460938e-01,  3.68652344e-02, -3.88183594e-02, -1.35742188e-01,
        -1.66992188e-01, -1.25000000e-01, -1.48437500e-01,  1.09375000e-01,
         2.88085938e-02, -2.65625000e-01,  8.42285156e-03,  1.85546875e-01,
         2.09960938e-01,  6.54296875e-02,  1.91406250e-01, -1.37695312e-01,
        -2.11914062e-01,  2.55859375e-01, -8.39843750e-02, -4.24804688e-02,
        -1.15722656e-01, -1.25000000e-01,  9.03320312e-02, -7.51953125e-02,
         7.27539062e-02, -1.01074219e-01, -9.86328125e-02, -2.67333984e-02,
        -6.98242188e-02,  6.20117188e-02,  8.30078125e-02,  7.66601562e-02,
         2.57812500e-01,  1.02539062e-01, -1.12792969e-01, -5.93261719e-02,
         1.56250000e-01,  1.55273438e-01, -1.09863281e-01,  9.37500000e-02,
         5.56640625e-02,  1.98242188e-01, -1.37695312e-01,  3.07617188e-02,
        -8.98437500e-02,  2.63671875e-02,  7.66754150e-04,  9.71679688e-0
2],
       dtype=float32),
 'deep': array([-3.61328125e-02,  1.49414062e-01,  1.37695312e-01,  1.77734
375e-01,
        -1.50390625e-01, -2.70996094e-02, -1.96289062e-01, -3.43750000e-01,
         1.94335938e-01,  4.83398438e-02, -1.42578125e-01,  5.06591797e-03,
         2.31445312e-01, -2.47802734e-02, -8.34960938e-02, -2.36328125e-01,
         4.83398438e-02,  2.57812500e-01, -1.76757812e-01, -8.74023438e-02,
        -1.98974609e-02,  1.96533203e-02, -2.34375000e-01, -1.44531250e-01,
         1.66015625e-01, -1.15722656e-01, -1.59179688e-01, -8.83789062e-02,
        -8.72802734e-03, -4.29687500e-01, -2.15820312e-01,  5.03906250e-01,
         1.29882812e-01, -6.49414062e-02, -2.67578125e-01,  3.22265625e-02,
         8.78906250e-02,  6.59179688e-02, -7.08007812e-02,  4.12597656e-02,
         3.33984375e-01, -1.56250000e-01,  8.88671875e-02, -2.31445312e-01,
        -4.57763672e-03,  1.68945312e-01, -1.56250000e-01, -2.23632812e-01,
         1.51367188e-01, -1.16699219e-01,  2.09960938e-02,  1.37695312e-01,
        -6.68945312e-02, -2.08740234e-02,  1.07910156e-01,  1.71875000e-01,
        -1.15722656e-01,  1.02050781e-01,  8.20312500e-02, -2.01171875e-01,
         7.71484375e-02,  1.02050781e-01, -1.31835938e-01, -9.47265625e-02,
        -1.39648438e-01, -6.68945312e-02,  1.15356445e-02,  8.15429688e-02,
         1.77734375e-01, -1.46484375e-01, -7.61718750e-02, -1.42578125e-01,
         4.34570312e-02, -6.44531250e-02, -3.29589844e-02, -1.71875000e-01,
         2.83203125e-01,  6.64062500e-02, -7.51953125e-02,  1.77734375e-01,
        -1.18652344e-01, -1.52343750e-01,  3.17382812e-02, -1.00585938e-01,
         1.96289062e-01, -2.25585938e-01, -7.81250000e-02,  1.50390625e-01,
        -1.04980469e-01,  1.73828125e-01,  4.73632812e-02,  1.26953125e-01,
        -8.59375000e-02,  3.39843750e-01, -1.67968750e-01, -3.29589844e-02,
         2.07031250e-01,  1.55273438e-01, -8.66699219e-03,  5.12695312e-02,
        -1.13769531e-01, -1.00097656e-01,  8.54492188e-02, -1.08398438e-01,
        -8.30078125e-02, -5.02929688e-02,  1.18164062e-01,  7.71484375e-02,
```

```
         8.78906250e-02, -3.04687500e-01, -1.56250000e-01,  2.84423828e-02,
        -1.67968750e-01, -3.66210938e-02,  1.07421875e-01,  1.63085938e-01,
         1.00585938e-01,  1.55273438e-01, -2.46582031e-02,  5.83496094e-02,
        -1.96289062e-01, -1.18164062e-01, -6.98242188e-02,  3.61328125e-01,
        -1.50390625e-01, -1.38671875e-01,  2.17773438e-01,  4.41894531e-02,
         3.14941406e-02, -5.78613281e-02, -1.26953125e-01,  1.41601562e-01,
        -1.58203125e-01,  7.12890625e-02,  2.07519531e-02, -1.33789062e-01,
         1.98242188e-01,  2.25830078e-02,  1.02050781e-01, -1.71875000e-01,
        -3.94531250e-01, -7.08007812e-02,  1.44531250e-01,  2.13867188e-01,
        -1.04980469e-01, -2.57812500e-01, -3.61328125e-01,  1.25000000e-01,
        -2.75390625e-01,  9.96093750e-02,  2.27539062e-01, -6.62231445e-03,
        -1.78222656e-02,  1.90429688e-01,  3.50952148e-03,  7.37304688e-02,
        -5.73730469e-02,  9.61914062e-02, -1.74804688e-01, -1.03027344e-01,
         8.34960938e-02,  1.24511719e-02,  6.64062500e-02, -2.94921875e-01,
         7.86132812e-02, -5.63964844e-02,  1.58203125e-01, -7.81250000e-02,
        -4.93164062e-02, -1.02050781e-01, -9.76562500e-02,  3.36914062e-02,
        -3.97949219e-02, -5.83496094e-02,  1.28906250e-01, -3.97949219e-02,
        -2.29492188e-01,  1.34765625e-01, -2.29492188e-01, -8.69140625e-02,
        -1.99218750e-01, -4.63867188e-02, -1.01074219e-01,  8.00781250e-02,
        -3.47656250e-01, -1.96533203e-02,  1.43554688e-01, -1.10351562e-01,
         1.28906250e-01, -2.20947266e-02,  3.61328125e-02, -1.00097656e-01,
         1.27929688e-01, -1.82342529e-03, -9.86328125e-02,  1.71875000e-01,
        -1.34765625e-01, -2.58789062e-02,  5.90820312e-02,  4.51660156e-02,
         8.59375000e-02, -5.63964844e-02, -2.00195312e-02,  9.47265625e-02,
         1.97265625e-01, -7.66601562e-02,  1.84570312e-01, -8.00781250e-02,
        -2.94189453e-02, -8.97216797e-03, -3.65234375e-01,  1.57226562e-01,
        -1.59179688e-01,  1.14257812e-01,  7.47070312e-02, -1.81640625e-01,
         1.79687500e-01, -2.51464844e-02,  9.81445312e-02,  1.65039062e-01,
         2.27539062e-01, -1.29882812e-01, -1.73339844e-02,  2.13623047e-02,
         2.63671875e-02,  4.58984375e-02,  2.12890625e-01, -8.54492188e-02,
         4.39453125e-02,  2.99072266e-02,  1.39648438e-01, -8.25195312e-02,
         2.52685547e-02, -3.26538086e-03,  1.96533203e-02,  2.32421875e-01,
         4.24804688e-02, -1.53320312e-01, -4.98046875e-02,  6.88476562e-02,
         5.41992188e-02,  1.44042969e-02, -2.63671875e-01,  3.75976562e-02,
        -1.06933594e-01,  8.74023438e-02,  8.93554688e-02, -1.08032227e-02,
         3.24249268e-04,  1.04003906e-01,  7.03125000e-02,  8.69140625e-02,
         1.34887695e-02,  9.08203125e-02,  2.13867188e-01, -2.98828125e-01,
         1.93359375e-01, -1.40625000e-01, -2.81250000e-01, -7.76367188e-02,
         3.33984375e-01,  1.63574219e-02, -3.02734375e-01,  1.14257812e-01,
        -1.12792969e-01,  2.25585938e-01, -1.51367188e-01,  8.93554688e-02,
         1.76757812e-01, -7.51953125e-02, -1.97265625e-01, -4.58984375e-02,
        -1.63085938e-01,  1.88446045e-03,  1.40380859e-02,  8.54492188e-02,
        -3.51562500e-02, -1.13281250e-01,  7.47070312e-02,  4.46777344e-02,
         2.50000000e-01, -4.73632812e-02,  1.29882812e-01,  1.20117188e-01,
         1.84570312e-01,  6.73828125e-02,  8.78906250e-03,  2.53906250e-01,
        -1.25976562e-01,  4.05883789e-03, -1.37695312e-01, -5.71289062e-02,
        -1.53320312e-01, -2.62451172e-03, -1.99218750e-01,  3.06396484e-02,
        -4.44335938e-02, -9.94873047e-03,  1.11816406e-01,  5.09643555e-0
3],
       dtype=float32),
 'requiring': array([-2.08007812e-01, -7.81250000e-03,  1.05468750e-01, -5.
44433594e-02,
        -2.36328125e-01, -2.04101562e-01,  1.04492188e-01,  2.28515625e-01,
        -7.91015625e-02,  2.74658203e-02,  1.77734375e-01, -2.41210938e-01,
        -5.81054688e-02, -1.21582031e-01, -1.44531250e-01,  2.05078125e-01,
         1.16699219e-01,  3.44238281e-02, -2.08984375e-01,  1.38671875e-01,
         1.21593475e-04, -2.89062500e-01, -1.70898438e-01, -2.38037109e-02,
        -1.07421875e-01, -4.91333008e-03, -1.65039062e-01,  1.93359375e-01,
         6.07299805e-03,  1.49414062e-01,  1.30859375e-01,  2.85339355e-03,
         5.90820312e-02, -2.00195312e-01, -2.02148438e-01, -1.66992188e-01,
         1.79687500e-01,  2.22778320e-03,  5.37109375e-02,  4.56542969e-02,
         5.90820312e-02,  8.00781250e-02,  1.33789062e-01,  1.54296875e-01,
        -8.30078125e-02, -1.47460938e-01,  1.77734375e-01,  1.46484375e-01,
        -1.38671875e-01, -1.95312500e-01, -2.45117188e-01, -1.52343750e-01,
```

```
       -1.72851562e-01,  3.05175781e-02, -4.07714844e-02,  3.96484375e-01,
        2.02636719e-02, -3.68652344e-02, -8.97216797e-03, -2.01171875e-01,
        8.78906250e-02, -4.46777344e-02, -1.26953125e-01, -3.45703125e-01,
        9.03320312e-03,  1.43554688e-01, -1.59179688e-01,  3.30078125e-01,
       -1.52343750e-01, -2.59765625e-01, -2.49023438e-02, -5.27343750e-02,
       -3.93676758e-03,  1.61132812e-01,  5.07812500e-02, -1.18652344e-01,
        2.75390625e-01,  1.48437500e-01,  8.39843750e-02,  1.57226562e-01,
       -3.75976562e-02, -2.37464905e-04, -2.77343750e-01,  2.74658203e-02,
       -2.90527344e-02,  4.07714844e-02, -2.46093750e-01,  1.80664062e-02,
        9.47265625e-02,  4.37011719e-02, -1.19140625e-01, -1.56250000e-02,
        1.56250000e-01, -2.66113281e-02,  9.27734375e-02, -3.46679688e-02,
       -5.46875000e-02,  4.04357910e-04, -2.80761719e-02,  2.08984375e-01,
       -1.55639648e-02, -1.48437500e-01, -1.31835938e-01, -8.05664062e-03,
       -9.61914062e-02, -4.12597656e-02,  1.19140625e-01, -1.73828125e-01,
       -5.71289062e-02, -2.58789062e-02, -1.13769531e-01,  3.34472656e-02,
       -2.01171875e-01,  3.83300781e-02,  2.91015625e-01,  7.47070312e-02,
        1.28173828e-02,  2.26562500e-01,  1.62109375e-01,  1.03515625e-01,
       -1.94335938e-01,  1.04980469e-01,  4.94384766e-03,  1.35742188e-01,
        1.76757812e-01, -1.02050781e-01,  1.32812500e-01, -6.59179688e-02,
        1.09863281e-01,  2.31445312e-01,  1.64062500e-01, -7.71484375e-02,
       -1.22070312e-01,  3.58886719e-02, -1.23901367e-02,  9.32617188e-02,
       -6.95800781e-03, -1.90429688e-01, -1.59179688e-01, -7.27539062e-02,
        1.04980469e-01, -1.66992188e-01, -1.06445312e-01,  1.08886719e-01,
        1.39648438e-01, -4.00390625e-02, -2.40234375e-01, -1.76757812e-01,
       -1.00097656e-01, -1.75781250e-01,  1.75781250e-01, -2.28271484e-02,
        3.73535156e-02, -1.46484375e-01,  1.30615234e-02, -1.22680664e-02,
       -8.44726562e-02,  2.35351562e-01, -2.50000000e-01, -6.64062500e-02,
        1.05468750e-01, -1.19628906e-01,  1.04980469e-01, -9.71679688e-02,
       -1.08886719e-01, -8.11767578e-03, -4.24804688e-02, -1.93359375e-01,
       -1.53320312e-01, -3.04687500e-01, -2.71484375e-01, -1.06445312e-01,
       -3.37890625e-01,  8.64257812e-02, -3.93066406e-02, -2.15820312e-01,
        8.98437500e-02, -1.63085938e-01, -2.26562500e-01,  9.52148438e-02,
       -1.52343750e-01, -3.39355469e-02,  8.64257812e-02,  6.83593750e-02,
        9.96093750e-02, -1.90429688e-02, -2.49023438e-01, -1.90429688e-01,
        1.61132812e-01, -9.22851562e-02, -1.04980469e-01,  1.65039062e-01,
        8.42285156e-03, -1.51367188e-01, -1.04492188e-01, -2.24609375e-02,
        4.80957031e-02, -1.55273438e-01,  5.95703125e-02, -2.08007812e-01,
        6.25000000e-02,  3.24218750e-01,  1.72851562e-01,  1.06933594e-01,
        1.61132812e-01, -1.22070312e-02, -2.22167969e-02,  1.09863281e-02,
        2.80761719e-02, -2.43164062e-01,  5.46875000e-02,  1.16210938e-01,
        3.61328125e-02,  2.00195312e-02, -6.54296875e-02, -5.41992188e-02,
        8.88671875e-02,  3.20312500e-01, -1.69921875e-01, -1.58691406e-03,
       -7.12890625e-02, -1.28906250e-01,  6.25000000e-02, -1.26953125e-01,
       -5.22460938e-02, -4.24804688e-02,  1.17187500e-01,  1.45507812e-01,
        3.02734375e-01, -1.07421875e-01,  1.44531250e-01, -6.20117188e-02,
        1.05957031e-01,  2.34375000e-01,  3.51562500e-02,  6.29882812e-02,
        3.08837891e-02, -1.87500000e-01, -1.51367188e-02,  2.56347656e-02,
       -5.85937500e-02,  6.73828125e-02,  1.23535156e-01, -7.86132812e-02,
        2.18750000e-01, -2.40478516e-02, -1.50390625e-01,  4.66796875e-01,
        1.04003906e-01, -2.69531250e-01,  1.20849609e-02, -1.77001953e-02,
       -1.82617188e-01, -1.50390625e-01, -7.27539062e-02, -7.65991211e-03,
        1.76757812e-01, -2.52685547e-02, -1.37695312e-01,  3.55468750e-01,
       -7.37304688e-02, -3.66210938e-02,  1.79290771e-03, -1.04492188e-01,
        5.98144531e-02, -1.18164062e-01,  2.01416016e-02, -4.71191406e-02,
       -2.47802734e-02, -4.78515625e-02,  2.45117188e-01,  1.55273438e-01,
       -1.31835938e-02,  6.68945312e-02, -7.61718750e-02, -1.83593750e-01,
       -9.03320312e-02,  5.05371094e-02,  1.48925781e-02,  3.17382812e-02,
       -1.70898438e-01, -2.19726562e-02,  2.38281250e-01,  2.53906250e-01,
       -1.43554688e-01, -3.46679688e-02,  2.74658203e-02,  5.98144531e-03,
        1.75781250e-01,  4.76074219e-02, -2.25585938e-01, -5.61523438e-02,
        1.84570312e-01,  1.14257812e-01,  8.10546875e-02,  2.36328125e-01,
       -5.83496094e-02,  8.30078125e-03,  2.05078125e-02,  1.41601562e-0
1],
      dtype=float32),
```

```
 'method': array([ 0.30273438,  0.00830078,  0.23144531,  0.26367188, -0.07
177734,
         0.21875   ,  0.11914062, -0.08886719,  0.04296875, -0.10839844,
         0.07080078, -0.38085938,  0.28710938, -0.19238281, -0.19824219,
         0.33007812, -0.05859375, -0.18066406, -0.1328125 , -0.18359375,
         0.18359375, -0.00848389, -0.15234375,  0.29492188, -0.22167969,
        -0.24414062, -0.22167969,  0.08837891, -0.15332031,  0.03320312,
         0.05493164, -0.30664062,  0.0100708 ,  0.04907227,  0.20703125,
         0.4453125 ,  0.00396729, -0.13378906,  0.3828125 , -0.18164062,
         0.34960938,  0.11669922,  0.11279297, -0.00732422,  0.07128906,
        -0.01165771, -0.28710938,  0.00282288, -0.296875  ,  0.20703125,
        -0.06689453, -0.02331543, -0.15234375, -0.45507812,  0.19726562,
        -0.01757812, -0.19824219, -0.10791016,  0.11132812, -0.40429688,
         0.02392578, -0.19238281, -0.21777344,  0.11914062, -0.06640625,
        -0.02075195, -0.12695312,  0.05395508,  0.05908203,  0.09716797,
        -0.08642578,  0.04296875,  0.30273438, -0.10107422,  0.11035156,
        -0.24023438, -0.12988281,  0.00878906,  0.0625    ,  0.02331543,
         0.05004883, -0.14355469,  0.27929688, -0.00076294,  0.28515625,
        -0.03808594,  0.09619141,  0.3046875 ,  0.2734375 ,  0.23828125,
         0.06347656,  0.23535156, -0.07714844,  0.21191406,  0.08203125,
         0.34765625, -0.3046875 , -0.07617188,  0.23242188,  0.00328064,
         0.10351562, -0.05395508, -0.33984375,  0.04248047,  0.01068115,
         0.05834961, -0.12988281,  0.03344727,  0.20214844, -0.1875    ,
         0.26953125, -0.03637695,  0.1953125 ,  0.14160156,  0.03393555,
         0.2734375 , -0.03833008, -0.32226562, -0.29882812,  0.109375  ,
         0.06347656, -0.00289917,  0.04296875, -0.13769531,  0.20117188,
         0.16503906, -0.09130859,  0.04370117, -0.0032959 ,  0.16308594,
         0.1171875 , -0.3046875 , -0.20800781,  0.04003906,  0.0402832 ,
        -0.13378906,  0.15039062, -0.17089844,  0.0859375 ,  0.12597656,
         0.37890625, -0.12060547,  0.03173828,  0.05322266, -0.07421875,
        -0.09570312, -0.25390625,  0.03039551, -0.05444336,  0.03039551,
         0.09912109, -0.00564575, -0.05395508,  0.07275391,  0.02526855,
        -0.25      , -0.11767578,  0.11572266,  0.0078125 ,  0.11523438,
        -0.11767578,  0.25585938,  0.13378906, -0.05761719, -0.14550781,
         0.06689453, -0.04980469, -0.18457031,  0.16992188, -0.17578125,
         0.19042969,  0.02111816, -0.3671875 ,  0.15625   ,  0.15527344,
         0.10351562,  0.20507812, -0.19726562, -0.11083984,  0.09863281,
        -0.20703125, -0.06689453, -0.0222168 , -0.04370117,  0.06445312,
        -0.04052734,  0.0378418 ,  0.07470703,  0.06982422,  0.20703125,
        -0.30859375, -0.05151367,  0.10839844, -0.05908203, -0.21484375,
        -0.14355469, -0.02148438, -0.11767578,  0.01928711, -0.11035156,
         0.28710938,  0.10351562, -0.21484375,  0.29492188, -0.19335938,
        -0.11279297,  0.14550781,  0.16503906, -0.00982666, -0.15820312,
        -0.00457764,  0.19238281, -0.30273438, -0.0456543 , -0.08154297,
        -0.01721191, -0.04003906,  0.17089844,  0.00379944,  0.19140625,
         0.03491211,  0.01080322,  0.13574219, -0.09814453, -0.11669922,
         0.07714844, -0.04370117, -0.21679688, -0.06933594,  0.13671875,
        -0.05761719, -0.03930664,  0.17773438,  0.11865234, -0.17285156,
        -0.0534668 , -0.00878906, -0.296875  ,  0.02246094,  0.03588867,
         0.15234375, -0.14941406,  0.25976562, -0.04174805,  0.19140625,
        -0.03491211,  0.10253906,  0.40234375,  0.02636719, -0.02832031,
        -0.13671875, -0.25      ,  0.02050781, -0.21582031,  0.23828125,
         0.06835938, -0.07128906,  0.09765625,  0.0088501 , -0.21484375,
         0.26367188, -0.109375  , -0.04956055, -0.02160645, -0.06640625,
         0.19824219, -0.07080078, -0.04199219, -0.18457031, -0.22265625,
         0.06591797,  0.17285156, -0.10107422,  0.2734375 , -0.05517578,
        -0.06347656, -0.20703125, -0.00469971,  0.26171875, -0.13085938,
         0.07177734,  0.25195312,  0.00367737, -0.08300781,  0.06079102,
        -0.0177002 ,  0.10009766, -0.07226562, -0.13867188,  0.14941406,
        -0.26953125,  0.08544922, -0.11230469, -0.06542969, -0.11962891,
        -0.00714111,  0.04345703,  0.10888672, -0.25390625,  0.37695312],
       dtype=float32),
 'python': array([ 0.27734375,  0.12402344, -0.40820312,  0.15722656, -0.19
726562,
```

```
        -0.11767578,  0.06640625,  0.08300781, -0.29492188,  0.28710938,
        -0.04638672, -0.54296875, -0.08056641, -0.09619141, -0.23535156,
        -0.29101562,  0.16699219,  0.07910156, -0.26171875, -0.0324707 ,
        -0.08691406, -0.21289062,  0.19335938,  0.3046875 ,  0.04785156,
        -0.03295898, -0.38867188,  0.24609375,  0.578125  , -0.3125    ,
        -0.04052734,  0.3359375 , -0.02539062, -0.1640625 , -0.09130859,
         0.125     , -0.06787109,  0.23046875, -0.00921631,  0.37890625,
        -0.04296875, -0.02661133,  0.09130859,  0.33007812, -0.02758789,
        -0.25195312,  0.14550781,  0.06445312,  0.13867188, -0.07128906,
         0.04052734,  0.00531006,  0.5625    , -0.27929688,  0.2421875 ,
        -0.19628906,  0.3203125 , -0.1640625 ,  0.25976562,  0.13476562,
         0.25976562, -0.06445312, -0.09619141, -0.06640625, -0.265625  ,
         0.04516602, -0.06689453, -0.25195312, -0.18164062, -0.02697754,
         0.14746094, -0.11376953, -0.10351562, -0.21289062, -0.16210938,
         0.45117188,  0.36328125, -0.45898438, -0.03662109,  0.00610352,
        -0.01733398,  0.29882812, -0.06079102, -0.02075195, -0.19433594,
         0.04345703, -0.40625   , -0.18945312,  0.09667969, -0.22949219,
        -0.10400391,  0.00195312,  0.04345703,  0.03491211, -0.06347656,
        -0.33203125, -0.05151367,  0.02233887,  0.35742188, -0.25390625,
        -0.10107422, -0.32226562,  0.07519531, -0.32226562,  0.05859375,
         0.14257812,  0.05615234, -0.24902344, -0.26757812, -0.25      ,
        -0.03393555, -0.26367188,  0.19921875,  0.54296875, -0.08642578,
         0.0402832 , -0.17578125, -0.40234375,  0.06054688,  0.07128906,
        -0.21679688, -0.05175781, -0.25      , -0.0135498 ,  0.05126953,
         0.171875  ,  0.33984375,  0.08300781,  0.06054688, -0.28710938,
         0.06176758,  0.13964844, -0.20019531,  0.3359375 , -0.30664062,
         0.43359375, -0.0559082 ,  0.04614258,  0.18359375,  0.52734375,
        -0.09033203, -0.43554688, -0.36328125,  0.20117188,  0.2734375 ,
         0.07226562, -0.17871094,  0.3359375 ,  0.04199219,  0.01409912,
         0.48828125, -0.18261719, -0.40820312,  0.28320312,  0.30273438,
        -0.24023438, -0.5625    ,  0.10791016, -0.05712891, -0.04956055,
         0.07666016, -0.08984375,  0.16113281, -0.07470703, -0.19433594,
         0.01068115,  0.27148438, -0.24414062, -0.13867188,  0.19921875,
        -0.02648926,  0.421875  , -0.10400391,  0.29492188, -0.20800781,
         0.07324219,  0.640625  ,  0.36914062, -0.25390625,  0.05517578,
        -0.00279236,  0.25195312, -0.09326172, -0.12255859, -0.04199219,
         0.01745605,  0.07275391,  0.2109375 , -0.01153564,  0.00915527,
         0.15820312, -0.06030273, -0.17285156,  0.20117188, -0.06738281,
         0.26367188, -0.37695312, -0.06396484, -0.32617188, -0.11669922,
         0.21875   , -0.33203125,  0.01708984,  0.20214844,  0.17578125,
        -0.13183594,  0.48828125,  0.17871094,  0.28125   ,  0.17578125,
        -0.30664062, -0.09326172,  0.04785156, -0.3125    , -0.2734375 ,
         0.25390625,  0.29296875, -0.10888672,  0.06103516,  0.19335938,
        -0.14160156,  0.10107422, -0.27929688, -0.05786133, -0.11376953,
        -0.296875  , -0.05859375,  0.22167969,  0.00921631,  0.02539062,
         0.15527344, -0.25976562, -0.09326172, -0.15136719,  0.20117188,
         0.08886719,  0.359375  ,  0.08837891,  0.16601562,  0.05639648,
         0.14355469, -0.05566406,  0.02893066, -0.14453125,  0.13476562,
        -0.16894531,  0.06347656, -0.03173828,  0.13964844, -0.13476562,
        -0.23144531,  0.22558594,  0.18164062, -0.17382812,  0.30078125,
        -0.03833008, -0.14648438, -0.00762939, -0.08203125,  0.23828125,
         0.43359375,  0.27734375, -0.03320312, -0.05541992,  0.10595703,
         0.27539062, -0.11474609,  0.1484375 , -0.08349609,  0.03417969,
        -0.20019531,  0.11474609, -0.4609375 ,  0.22949219,  0.20410156,
         0.08691406,  0.08251953,  0.27734375, -0.07958984, -0.01928711,
        -0.01306152,  0.2890625 ,  0.1640625 ,  0.19238281, -0.06201172,
        -0.375     ,  0.06494141,  0.03979492,  0.3515625 ,  0.05200195,
        -0.22460938,  0.00582886, -0.11328125,  0.23242188,  0.03369141,
         0.06884766, -0.26171875,  0.49023438, -0.21679688, -0.00622559],
       dtype=float32),
 'sheets': array([-1.51367188e-01, -2.17285156e-02,  6.49414062e-02, -6.396
48438e-02,
        -2.02636719e-02,  7.42187500e-02,  1.37695312e-01,  2.72216797e-02,
        -9.32617188e-02,  1.26953125e-01, -6.39648438e-02, -3.53515625e-01,
```

```
-1.13769531e-01,  2.42187500e-01, -2.11914062e-01, -5.93261719e-02,
-3.88183594e-02, -1.82617188e-01,  4.63867188e-02, -1.14746094e-02,
 8.83789062e-02, -1.30859375e-01, -1.14257812e-01, -1.39648438e-01,
-3.46679688e-02, -1.68945312e-01,  6.29882812e-02, -4.93164062e-02,
-1.04980469e-01, -1.38671875e-01, -1.11328125e-01, -8.44726562e-02,
-1.72119141e-02,  1.12792969e-01,  1.38549805e-02,  2.91015625e-01,
-2.62451172e-02,  4.31640625e-01,  8.74023438e-02, -7.56835938e-02,
-1.09375000e-01,  1.50390625e-01,  1.67968750e-01,  8.42285156e-03,
 2.17773438e-01, -2.98828125e-01, -2.13867188e-01,  2.35351562e-01,
 1.97265625e-01,  1.61132812e-01,  7.61718750e-02, -8.34960938e-02,
-8.74023438e-02,  1.10839844e-01, -8.39843750e-02,  1.29882812e-01,
 1.81640625e-01, -2.24609375e-01, -1.32812500e-01,  1.16210938e-01,
-2.60009766e-02,  1.18164062e-01, -9.17968750e-02, -3.32031250e-02,
-3.68652344e-02,  1.58691406e-02, -3.14453125e-01, -8.74023438e-02,
 2.32421875e-01, -1.09375000e-01,  3.65234375e-01,  1.45507812e-01,
 6.68945312e-02, -6.88476562e-02, -4.27734375e-01,  2.47802734e-02,
 2.32421875e-01, -1.19628906e-02, -2.61230469e-02, -4.07714844e-02,
 9.32617188e-02, -3.45703125e-01, -2.65625000e-01,  1.53320312e-01,
 2.92968750e-01,  7.66601562e-02,  3.32031250e-02, -2.30712891e-02,
 2.96875000e-01,  1.38671875e-01, -5.29785156e-02, -5.54199219e-02,
 1.25976562e-01, -2.18750000e-01, -4.47265625e-01,  1.85546875e-01,
 2.45117188e-01, -1.71875000e-01,  2.94921875e-01, -9.22851562e-02,
 1.91406250e-01, -2.19726562e-01, -6.98242188e-02,  1.00097656e-01,
-3.35937500e-01,  9.22851562e-02, -6.22558594e-03, -1.72851562e-01,
 3.39355469e-02,  8.15429688e-02, -4.15039062e-02, -6.25000000e-02,
-1.40380859e-02, -4.98046875e-02, -4.46777344e-02,  2.35595703e-02,
 1.79687500e-01, -1.41601562e-01, -6.83593750e-02,  3.39843750e-01,
-1.88476562e-01,  8.74023438e-02, -1.17675781e-01,  6.39648438e-02,
 3.65234375e-01,  7.42187500e-02, -1.92382812e-01, -1.18652344e-01,
 3.22265625e-02,  3.69140625e-01, -2.03857422e-02, -4.41894531e-02,
 1.67968750e-01, -1.29882812e-01,  2.07031250e-01,  6.49414062e-02,
-2.14843750e-02, -1.38671875e-01,  2.13867188e-01,  1.67236328e-02,
 1.69921875e-01,  2.53906250e-02,  2.31445312e-01,  9.52148438e-02,
-1.49414062e-01,  3.26171875e-01, -1.12915039e-02, -9.32617188e-02,
 1.41601562e-01,  1.89208984e-02,  1.25976562e-01, -4.29687500e-02,
 2.12402344e-02,  9.66796875e-02,  7.81250000e-02,  5.61523438e-02,
-3.51562500e-01, -1.64062500e-01, -2.43164062e-01,  3.26171875e-01,
 2.29492188e-02, -9.66796875e-02,  4.41894531e-02,  1.27929688e-01,
-9.47265625e-02,  4.56542969e-02,  3.31878662e-04, -9.66796875e-02,
-1.12792969e-01,  2.86865234e-02,  6.04248047e-03, -1.04980469e-01,
 5.27343750e-02,  1.86523438e-01, -6.73828125e-02, -5.17578125e-02,
-2.50000000e-01, -3.24218750e-01, -9.66796875e-02, -1.52343750e-01,
-9.91210938e-02, -5.46875000e-02, -9.27734375e-02,  2.87109375e-01,
 8.54492188e-02, -7.32421875e-02, -1.55273438e-01,  1.45507812e-01,
 2.31445312e-01,  2.29492188e-01,  2.91015625e-01, -2.75390625e-01,
 8.20312500e-02,  1.57226562e-01,  1.09375000e-01,  3.78417969e-02,
 2.02148438e-01, -4.33593750e-01, -1.59179688e-01, -3.78906250e-01,
 1.57226562e-01,  1.97265625e-01, -1.37695312e-01,  1.00708008e-02,
 6.49414062e-02,  1.66992188e-01,  1.81640625e-01,  8.39843750e-02,
 1.56250000e-01,  2.53906250e-01, -3.30078125e-01,  4.68750000e-02,
-2.42187500e-01,  1.42578125e-01,  9.76562500e-02, -9.82666016e-03,
 1.49414062e-01,  1.48437500e-01, -4.51171875e-01,  8.64257812e-02,
 1.45507812e-01,  9.76562500e-02, -1.03515625e-01,  1.35742188e-01,
-1.62109375e-01, -1.44653320e-02, -5.34057617e-03,  1.29882812e-01,
-5.24902344e-02, -2.94921875e-01, -1.50390625e-01, -2.00195312e-02,
 4.21875000e-01, -2.27539062e-01, -2.61718750e-01, -2.38281250e-01,
 8.59375000e-02, -8.34960938e-02,  1.46484375e-01, -1.94335938e-01,
 1.56250000e-01, -1.86523438e-01,  2.78320312e-02,  1.40380859e-03,
 4.11987305e-03, -1.45507812e-01, -6.78710938e-02,  1.67968750e-01,
-3.92578125e-01, -4.78515625e-02,  7.42187500e-02,  8.74023438e-02,
 1.47460938e-01,  9.22851562e-02, -1.69921875e-01, -1.89453125e-01,
-3.24707031e-02,  1.69921875e-01,  2.06054688e-01, -6.83593750e-02,
 6.10351562e-02,  9.21630859e-03, -3.67187500e-01, -4.86328125e-01,
-6.90460205e-04,  1.91688538e-04,  7.56835938e-02,  2.67578125e-01,
```

```
         2.67578125e-01, -2.47070312e-01, -2.03125000e-01,  1.90429688e-01,
         6.64062500e-02,  1.25000000e-01,  2.03125000e-01,  1.53320312e-01,
         6.95800781e-03, -2.01171875e-01,  3.31115723e-03,  1.01318359e-02,
         5.37109375e-02, -2.36328125e-01,  1.28906250e-01,  2.31445312e-01,
         1.98242188e-01, -2.11914062e-01,  3.27148438e-02,  1.32812500e-01,
        -7.22656250e-02,  1.06445312e-01, -1.67968750e-01, -1.27929688e-01,
        -4.15039062e-02,  4.56542969e-02, -5.98144531e-02, -2.48046875e-01,
         2.56347656e-02,  8.00781250e-02, -2.30468750e-01,  1.43554688e-0
1],
       dtype=float32),
 'visualization': array([ 7.61718750e-02, -1.39648438e-01, -1.37329102e-02,
-3.31115723e-03,
        -2.37304688e-01,  1.28906250e-01, -6.34765625e-02, -2.30468750e-01,
         1.52343750e-01, -8.30078125e-02,  1.45874023e-02,  9.70458984e-03,
         1.68945312e-01,  1.78710938e-01, -5.49316406e-02, -1.01562500e-01,
         4.61425781e-02,  9.61914062e-02, -1.71875000e-01, -4.76562500e-01,
        -1.15234375e-01,  1.48437500e-01, -3.71093750e-01,  2.50000000e-01,
        -8.39843750e-02,  1.17187500e-02,  1.22070312e-01,  2.07519531e-02,
        -3.04687500e-01, -4.12109375e-01, -1.11816406e-01,  2.32421875e-01,
        -5.51757812e-02, -6.05468750e-02, -3.02734375e-01, -1.17187500e-01,
        -3.93066406e-02, -1.79687500e-01,  2.77343750e-01, -4.22363281e-02,
         3.41796875e-01,  7.12890625e-02,  2.46093750e-01,  1.98242188e-01,
         2.13867188e-01, -2.63671875e-01, -3.98437500e-01, -5.93261719e-02,
         2.42187500e-01,  4.12109375e-01, -2.79296875e-01, -1.37695312e-01,
        -2.89062500e-01, -4.19921875e-01,  3.75976562e-02,  9.08203125e-02,
         2.02148438e-01,  2.30407715e-03,  9.81445312e-02,  1.66015625e-01,
        -2.80761719e-02, -1.92382812e-01,  1.50756836e-02, -2.06054688e-01,
        -2.27539062e-01,  2.91015625e-01, -4.91333008e-03,  1.56250000e-01,
         8.88671875e-02, -3.78906250e-01, -2.24609375e-01, -1.76757812e-01,
         3.14453125e-01, -1.91406250e-01,  6.83593750e-02, -1.70898438e-01,
         6.98242188e-02, -1.24023438e-01,  1.73339844e-02,  2.02148438e-01,
         2.86865234e-02,  3.26171875e-01,  8.34960938e-02, -7.42187500e-02,
         3.71093750e-01, -3.41796875e-01, -4.88281250e-02,  1.34765625e-01,
         2.36511230e-03, -2.62451172e-02,  1.06933594e-01, -4.04296875e-01,
        -2.03125000e-01,  3.20312500e-01, -1.38671875e-01, -8.59375000e-02,
         8.69140625e-02, -1.70898438e-01,  3.33984375e-01,  4.37011719e-02,
         1.06933594e-01,  3.93066406e-02, -2.00195312e-01, -3.10546875e-01,
         1.04980469e-01,  4.08203125e-01, -1.01074219e-01,  1.65039062e-01,
        -1.33789062e-01, -8.10546875e-02, -2.42919922e-02, -1.99890137e-03,
         1.90429688e-01,  1.24511719e-01,  9.37500000e-02, -1.05957031e-01,
         3.05175781e-02, -6.83593750e-02,  3.10546875e-01, -3.53515625e-01,
        -2.17773438e-01, -9.66796875e-02, -6.73828125e-02, -1.43432617e-02,
         1.39648438e-01,  5.44433594e-02, -1.92382812e-01,  1.98242188e-01,
        -4.00390625e-02,  1.41601562e-01, -2.46093750e-01,  3.06640625e-01,
        -1.67968750e-01, -5.63964844e-02,  1.30859375e-01, -8.59375000e-02,
         3.39843750e-01,  6.78710938e-02, -3.14941406e-02,  3.83300781e-02,
         2.91015625e-01, -1.57226562e-01, -2.43164062e-01, -3.73535156e-02,
        -3.24218750e-01,  3.00292969e-02,  1.04980469e-01, -1.55273438e-01,
         2.06298828e-02,  2.07519531e-02,  5.00488281e-02,  9.81445312e-02,
        -1.01562500e-01,  5.37109375e-02,  9.08203125e-02, -2.79296875e-01,
         1.97265625e-01, -6.59179688e-02, -1.86523438e-01,  3.51562500e-02,
         1.24511719e-01,  1.70898438e-01, -2.94921875e-01,  2.16796875e-01,
         1.66992188e-01, -3.85742188e-02,  5.98144531e-02, -7.22656250e-02,
        -4.57031250e-01, -1.81640625e-01,  4.88281250e-02,  3.02734375e-02,
        -1.94335938e-01,  1.11328125e-01,  1.66992188e-01,  1.27929688e-01,
         8.30078125e-02, -3.29589844e-02, -1.53320312e-01, -1.77734375e-01,
        -2.75390625e-01, -2.59765625e-01,  2.57812500e-01, -2.30468750e-01,
         3.51562500e-02,  1.66992188e-01,  6.00585938e-02, -1.30004883e-02,
         1.38671875e-01, -6.44531250e-02, -1.13769531e-01, -8.83789062e-02,
         1.40625000e-01, -2.13867188e-01,  9.22851562e-02, -1.12304688e-01,
         1.84570312e-01, -2.96875000e-01, -1.09375000e-01, -1.82617188e-01,
        -2.51953125e-01, -6.78710938e-02, -9.81445312e-02, -9.08203125e-02,
        -6.68945312e-02,  2.00195312e-02,  1.79687500e-01, -1.34765625e-01,
         4.17480469e-02, -2.37304688e-01, -3.18359375e-01, -3.24707031e-02,
```

```
         8.54492188e-02,  1.61132812e-01, -1.35742188e-01, -1.17187500e-01,
         1.10351562e-01,  2.57812500e-01, -1.98242188e-01, -1.80664062e-01,
        -8.05664062e-02,  8.91113281e-03,  5.88378906e-02, -2.67578125e-01,
        -1.85546875e-01,  1.18652344e-01, -3.30078125e-01,  7.95898438e-02,
         1.54296875e-01, -1.69677734e-02,  2.55859375e-01, -1.25976562e-01,
        -1.70898438e-01, -1.06445312e-01, -2.85156250e-01,  1.00097656e-01,
        -2.44140625e-01, -6.73828125e-02,  2.83203125e-01, -1.55639648e-02,
         4.70703125e-01, -9.66796875e-02, -1.33789062e-01,  1.15234375e-01,
        -2.89062500e-01, -1.21093750e-01, -2.06054688e-01,  6.60156250e-01,
        -3.27148438e-02, -4.21875000e-01,  1.86523438e-01, -8.39843750e-02,
         2.48046875e-01,  1.47460938e-01,  5.66406250e-02, -8.36181641e-03,
        -9.66796875e-02, -1.05468750e-01, -1.28906250e-01,  2.97546387e-03,
         1.39770508e-02, -1.09863281e-01,  1.07421875e-01,  5.11169434e-04,
        -2.85644531e-02,  2.57568359e-02,  3.63281250e-01, -2.44140625e-01,
        -2.36328125e-01, -1.93359375e-01, -1.86523438e-01,  4.22363281e-02,
        -1.65039062e-01, -3.58886719e-02,  2.27539062e-01,  1.91406250e-01,
        -3.92578125e-01,  2.35595703e-02,  5.56640625e-02,  6.54296875e-02,
        -1.33789062e-01,  2.75390625e-01, -1.42578125e-01, -1.23046875e-01,
        -3.00781250e-01,  1.92382812e-01, -1.52343750e-01, -2.22656250e-01,
         1.71875000e-01,  4.66308594e-02, -4.74609375e-01,  1.14257812e-01,
        -2.13867188e-01,  1.48437500e-01, -3.07617188e-02,  8.97216797e-03,
        -1.16210938e-01, -3.04687500e-01,  4.61425781e-02, -3.32031250e-0
2],
       dtype=float32),
 'partner': array([-0.03515625, -0.22265625, -0.08496094,  0.07324219, -0.0
0717163,
         0.28320312, -0.04882812, -0.17382812,  0.328125  , -0.12304688,
         0.07861328, -0.0255127 , -0.07324219, -0.09326172, -0.07666016,
         0.00842285, -0.02038574,  0.03857422,  0.01965332, -0.10009766,
         0.03088379,  0.04443359,  0.24707031,  0.00604248,  0.23144531,
        -0.01300049, -0.17089844,  0.08447266, -0.27539062, -0.14746094,
         0.17578125, -0.05517578, -0.09912109,  0.02868652, -0.00067139,
         0.30078125, -0.03613281,  0.1640625 ,  0.12451172, -0.07763672,
         0.10644531, -0.01538086, -0.20898438,  0.01843262, -0.19238281,
        -0.09521484, -0.16308594, -0.14355469,  0.18652344,  0.17089844,
        -0.02941895,  0.078125  , -0.12988281, -0.0222168 ,  0.12353516,
        -0.12597656, -0.06933594, -0.11865234,  0.02490234, -0.12792969,
         0.19335938, -0.03051758, -0.2265625 , -0.00939941, -0.30664062,
         0.0189209 ,  0.07226562, -0.24707031,  0.0324707 ,  0.07177734,
        -0.04980469,  0.0189209 , -0.05053711,  0.08007812, -0.03857422,
         0.09960938, -0.09667969,  0.16699219,  0.22363281,  0.09033203,
         0.07568359, -0.00582886,  0.01324463,  0.07958984,  0.24511719,
        -0.04882812, -0.05615234, -0.03076172,  0.05566406,  0.17285156,
         0.06054688, -0.12597656, -0.19726562,  0.19433594,  0.05541992,
        -0.12207031, -0.16210938, -0.14746094, -0.0859375 ,  0.00442505,
         0.01324463, -0.10644531, -0.11523438,  0.10546875, -0.08642578,
        -0.16503906, -0.0222168 , -0.01513672, -0.08496094,  0.24609375,
        -0.01855469,  0.05932617,  0.10595703, -0.1484375 , -0.1875    ,
         0.08935547,  0.18847656,  0.04833984,  0.15039062,  0.05664062,
         0.10302734, -0.12988281, -0.15820312,  0.05859375, -0.11376953,
        -0.20410156,  0.10546875, -0.0402832 ,  0.22851562,  0.19140625,
        -0.08496094, -0.11523438, -0.12988281,  0.06640625, -0.08642578,
         0.12402344,  0.19433594,  0.09082031,  0.19140625,  0.1484375 ,
        -0.10253906,  0.04785156,  0.02868652,  0.23339844, -0.12109375,
        -0.0111084 , -0.12207031,  0.01757812,  0.00799561,  0.2265625 ,
         0.36523438,  0.375     , -0.09375   , -0.00546265,  0.07617188,
         0.04101562, -0.03979492, -0.22753906, -0.16699219, -0.02075195,
        -0.07568359, -0.0324707 ,  0.18066406,  0.14941406,  0.00177002,
        -0.0703125 ,  0.11425781, -0.07714844,  0.01116943,  0.05761719,
         0.09863281,  0.08007812,  0.3359375 , -0.14355469,  0.13378906,
        -0.05761719,  0.29492188, -0.2890625 , -0.09179688, -0.02697754,
        -0.140625  ,  0.05224609,  0.06787109, -0.18359375, -0.18261719,
        -0.0390625 ,  0.15039062,  0.2265625 ,  0.06298828, -0.14746094,
        -0.25      , -0.22265625, -0.11230469, -0.02783203,  0.07617188,
```

```
         0.16015625,  0.0625    ,  0.15917969,  0.16992188, -0.11279297,
        -0.03125   ,  0.11669922,  0.08984375, -0.03344727, -0.14746094,
        -0.14550781, -0.2890625 ,  0.05859375,  0.02856445, -0.03088379,
        -0.0300293 , -0.03540039, -0.03088379,  0.23828125,  0.02880859,
         0.07080078,  0.08544922, -0.07763672, -0.06933594,  0.20898438,
         0.04589844, -0.11523438, -0.06982422,  0.11572266, -0.1796875 ,
        -0.03588867,  0.19140625, -0.03088379, -0.03222656, -0.18652344,
        -0.24609375,  0.12695312, -0.17675781, -0.23632812, -0.04296875,
         0.02819824, -0.07080078, -0.1484375 , -0.16210938, -0.06445312,
        -0.2265625 , -0.24316406, -0.22363281,  0.19433594,  0.40234375,
        -0.07128906,  0.17675781,  0.12402344,  0.21875   , -0.15136719,
         0.02392578, -0.2109375 ,  0.06640625, -0.15332031,  0.02416992,
         0.34960938, -0.08496094,  0.12988281, -0.33984375,  0.02844238,
        -0.09423828,  0.0213623 ,  0.26367188, -0.01843262,  0.06396484,
         0.20800781,  0.06005859,  0.16796875, -0.09326172,  0.17773438,
        -0.03100586, -0.06542969, -0.06542969,  0.08935547, -0.06347656,
        -0.19042969, -0.31835938,  0.31054688, -0.00346375, -0.10302734,
         0.21582031,  0.04980469, -0.11132812,  0.09130859, -0.05322266,
         0.24707031, -0.18457031, -0.22070312,  0.05444336,  0.1796875 ,
         0.02404785,  0.16015625, -0.12988281, -0.10058594,  0.0004158 ,
        -0.03710938,  0.21972656,  0.21679688, -0.00964355,  0.17382812],
       dtype=float32),
 'find': array([-0.00695801, -0.04370117, -0.16796875,  0.17675781, -0.1435
5469,
         0.04589844,  0.06933594,  0.14746094,  0.07324219, -0.03051758,
        -0.0039978 ,  0.06225586, -0.18261719,  0.08789062, -0.04321289,
         0.34570312, -0.00582886,  0.23828125,  0.06689453, -0.00830078,
         0.13085938, -0.04418945,  0.03369141, -0.04199219, -0.08789062,
        -0.09130859, -0.17382812, -0.04052734,  0.10058594, -0.06591797,
        -0.20996094,  0.03686523, -0.10644531,  0.06225586, -0.11083984,
        -0.01544189,  0.02453613, -0.03662109,  0.10742188,  0.04199219,
         0.07470703,  0.05761719, -0.20410156, -0.1796875 , -0.2421875 ,
        -0.02368164, -0.08691406,  0.0703125 , -0.00646973,  0.05566406,
         0.0291748 ,  0.08105469,  0.02294922, -0.11962891, -0.01190186,
        -0.09423828, -0.02770996, -0.14453125,  0.0402832 ,  0.05639648,
         0.09277344,  0.03417969, -0.10302734, -0.03173828, -0.12597656,
        -0.15625   ,  0.03613281, -0.10253906,  0.09765625,  0.22753906,
         0.04052734,  0.25976562,  0.01348877, -0.23046875, -0.11279297,
        -0.02185059, -0.08300781,  0.10839844,  0.00759888,  0.3046875 ,
         0.0098877 , -0.07666016,  0.19824219,  0.11035156,  0.02380371,
         0.11572266, -0.06103516,  0.07080078, -0.203125  ,  0.16015625,
        -0.06054688,  0.0612793 ,  0.0177002 , -0.10546875, -0.13964844,
        -0.1328125 ,  0.23144531,  0.13964844, -0.01867676,  0.05615234,
        -0.16699219, -0.2109375 ,  0.11328125,  0.2578125 , -0.02746582,
        -0.07763672, -0.09033203, -0.06494141,  0.07080078, -0.03735352,
         0.05395508,  0.11083984,  0.00698853, -0.09082031, -0.00588989,
        -0.00994873,  0.20507812,  0.02563477,  0.26757812, -0.00933838,
         0.01074219, -0.07910156, -0.1640625 ,  0.05371094, -0.06176758,
         0.14550781, -0.0390625 , -0.28320312,  0.01574707, -0.03320312,
         0.20996094, -0.26757812, -0.11621094,  0.30664062,  0.11279297,
        -0.04711914,  0.06396484,  0.0168457 , -0.00976562,  0.10644531,
         0.0612793 , -0.02685547, -0.12060547,  0.08251953,  0.2109375 ,
         0.11230469, -0.16894531, -0.23144531, -0.08984375,  0.02807617,
        -0.06835938,  0.02087402, -0.09765625,  0.18945312, -0.03979492,
         0.02990723,  0.12597656,  0.03027344, -0.28710938,  0.0703125 ,
         0.08447266,  0.03173828, -0.23632812, -0.11083984,  0.07324219,
        -0.07910156,  0.10498047, -0.16308594,  0.03491211, -0.05419922,
        -0.17089844,  0.06542969, -0.10595703, -0.10498047, -0.09619141,
         0.01208496,  0.28125   , -0.01477051, -0.1796875 ,  0.10400391,
         0.015625  , -0.02478027, -0.00137329,  0.03857422, -0.24316406,
        -0.19824219, -0.10742188, -0.04003906,  0.1640625 , -0.0267334 ,
         0.02185059, -0.20507812,  0.06738281, -0.13378906, -0.10205078,
         0.12158203,  0.08251953, -0.12988281, -0.19238281, -0.23730469,
         0.02038574,  0.09667969, -0.296875  , -0.05053711,  0.03564453,
```

```
         0.03417969, -0.0859375 ,  0.0390625 ,  0.11572266, -0.04345703,
        -0.07128906,  0.10742188, -0.14550781,  0.01708984, -0.33398438,
         0.125     ,  0.14941406, -0.02734375, -0.22753906, -0.21679688,
         0.11230469, -0.31640625, -0.15234375,  0.30859375, -0.00161743,
        -0.01361084,  0.09033203,  0.06982422, -0.06030273,  0.01623535,
         0.09765625, -0.01544189,  0.09423828,  0.01757812,  0.30273438,
         0.03491211,  0.15722656, -0.10986328, -0.03015137,  0.19726562,
        -0.05981445, -0.01831055, -0.16601562, -0.05444336, -0.00704956,
         0.19238281,  0.16699219,  0.22167969, -0.09912109,  0.01013184,
        -0.06884766, -0.07714844,  0.06591797,  0.14941406,  0.05786133,
        -0.02844238, -0.06689453, -0.00145721,  0.01495361, -0.11035156,
         0.15039062, -0.06152344,  0.02294922,  0.23730469,  0.10009766,
         0.08837891,  0.14648438, -0.18164062, -0.00393677,  0.05737305,
         0.11230469,  0.14941406,  0.22363281,  0.12695312,  0.04589844,
         0.16308594, -0.12890625, -0.39648438,  0.00366211, -0.12792969,
        -0.06054688,  0.02856445,  0.07861328,  0.03027344,  0.02856445,
         0.18261719, -0.30859375,  0.01184082,  0.02807617,  0.14550781,
         0.12597656,  0.13574219,  0.02148438,  0.14453125, -0.1484375 ,
        -0.14355469,  0.16113281,  0.13867188,  0.23339844,  0.05761719],
       dtype=float32),
 'needing': array([ 8.54492188e-02,  9.71679688e-02, -1.43554688e-01, -8.44
726562e-02,
        -2.55859375e-01,  1.27929688e-01, -1.19018555e-02, -1.60156250e-01,
        -2.28881836e-03, -2.17285156e-02, -1.69677734e-02,  4.29687500e-02,
        -3.75976562e-02,  8.11767578e-03, -1.28784180e-02, -8.98437500e-02,
         1.96289062e-01,  1.08398438e-01,  9.66796875e-02,  2.11914062e-01,
        -8.39843750e-02,  3.05175781e-03,  1.06445312e-01, -1.65039062e-01,
        -3.61328125e-02, -3.51562500e-02, -3.16406250e-01,  1.60156250e-01,
        -1.42211914e-02, -7.56835938e-02,  6.54296875e-02,  1.95312500e-01,
        -6.16455078e-03, -3.43750000e-01, -9.27734375e-02, -5.39550781e-02,
        -4.37011719e-02,  5.59082031e-02,  1.45507812e-01, -1.23535156e-01,
        -4.63867188e-02,  3.93066406e-02,  1.26953125e-01,  1.77734375e-01,
         6.20117188e-02, -2.03125000e-01,  7.03125000e-02,  2.74658203e-02,
        -1.52343750e-01,  7.37304688e-02, -4.29687500e-01, -1.15966797e-03,
        -2.65625000e-01,  1.94335938e-01, -6.88476562e-02, -3.97949219e-02,
         8.64257812e-02,  4.39453125e-02,  1.57226562e-01,  1.47705078e-02,
         5.76171875e-02,  2.21679688e-01, -1.50390625e-01, -5.66406250e-01,
         1.25976562e-01,  2.29492188e-02, -1.52343750e-01, -2.12402344e-02,
        -1.24023438e-01, -2.35351562e-01,  2.09960938e-02, -7.86132812e-02,
        -4.34570312e-02, -8.10546875e-02, -1.45874023e-02, -2.14843750e-01,
         1.15234375e-01,  2.27539062e-01,  5.10253906e-02,  1.13769531e-01,
        -6.59179688e-02,  7.51953125e-02, -2.11914062e-01,  1.95312500e-01,
        -8.49609375e-02,  4.41894531e-02, -7.95898438e-02,  3.08837891e-02,
         1.75781250e-01,  1.44531250e-01,  2.66113281e-02,  2.18750000e-01,
         8.83789062e-02, -2.49023438e-01, -1.32812500e-01, -2.61718750e-01,
         2.27539062e-01,  3.32031250e-02, -2.73437500e-01,  2.81250000e-01,
         3.67736816e-03, -1.94335938e-01, -1.78710938e-01,  7.91015625e-02,
        -1.19140625e-01,  1.64062500e-01, -9.57031250e-02, -1.53320312e-01,
        -2.34375000e-02,  6.88476562e-02, -1.15722656e-01,  1.49414062e-01,
        -2.08007812e-01, -1.74560547e-02,  1.56250000e-01,  1.48437500e-01,
         9.96093750e-02,  1.15234375e-01,  2.69531250e-01,  2.19726562e-01,
        -2.36328125e-01, -8.59375000e-02,  7.56835938e-02,  4.66308594e-02,
        -1.37695312e-01, -3.61328125e-02, -6.68945312e-02, -9.86328125e-02,
        -2.01416016e-02,  4.68750000e-02,  2.27539062e-01, -5.78613281e-02,
        -2.24609375e-01,  2.20947266e-02, -4.37011719e-02, -7.91015625e-02,
         6.44531250e-02,  4.10156250e-02, -2.61718750e-01,  1.29882812e-01,
         6.44531250e-02, -2.89062500e-01, -2.54821777e-03,  1.16210938e-01,
         2.87109375e-01,  2.37304688e-01, -2.94921875e-01, -7.71484375e-02,
        -2.92968750e-01, -2.15820312e-01,  5.52368164e-03, -1.50756836e-02,
        -1.27929688e-01, -1.16699219e-01, -1.44531250e-01,  2.57568359e-02,
        -2.89062500e-01,  7.42187500e-02, -2.07031250e-01, -1.66992188e-01,
        -7.17773438e-02,  6.17675781e-02, -1.64794922e-02, -5.63964844e-02,
        -2.30712891e-02, -2.29492188e-01, -2.84423828e-02,  1.14746094e-01,
        -5.54199219e-02, -2.65625000e-01, -2.51953125e-01, -8.34960938e-02,
```

```
        -2.65625000e-01, -2.94189453e-02, -1.67968750e-01, -1.33789062e-01,
         1.22558594e-01, -4.66308594e-02, -3.43750000e-01,  1.24511719e-01,
        -5.90820312e-02, -1.87500000e-01,  1.73828125e-01,  1.20605469e-01,
        -2.29492188e-01, -2.79296875e-01, -1.60156250e-01, -1.34765625e-01,
         1.90429688e-01, -3.12500000e-02,  5.46875000e-02, -9.64355469e-03,
         1.58203125e-01, -1.23046875e-01, -3.54003906e-02, -1.94091797e-02,
        -1.60156250e-01, -1.11328125e-01, -2.04101562e-01, -1.83593750e-01,
        -9.27734375e-02,  3.49609375e-01,  7.56835938e-02,  5.68847656e-02,
         2.28515625e-01,  6.31713867e-03, -3.75976562e-02, -6.07910156e-02,
         2.91015625e-01, -2.30468750e-01, -1.08398438e-01, -9.32617188e-02,
        -9.37500000e-02,  8.25195312e-02, -1.20849609e-02, -3.49121094e-02,
        -3.03955078e-02,  9.32617188e-02, -1.73828125e-01,  1.10839844e-01,
         3.50952148e-03,  1.48437500e-01,  1.12304688e-01,  5.10253906e-02,
        -8.49609375e-02,  1.21459961e-02, -1.32751465e-03, -4.41894531e-02,
         8.54492188e-02, -3.60488892e-04,  1.03027344e-01,  3.61328125e-02,
         3.22265625e-02,  9.32617188e-02, -5.76171875e-02,  1.18652344e-01,
         2.29492188e-01, -1.07421875e-01,  1.86767578e-02, -1.26953125e-02,
         1.40625000e-01,  1.41601562e-01,  4.27246094e-02, -2.26562500e-01,
         1.03027344e-01,  1.75781250e-01,  4.10156250e-02,  1.60156250e-01,
         1.05468750e-01, -1.36718750e-01,  1.25976562e-01, -3.71093750e-02,
         1.37695312e-01,  1.48437500e-01, -1.27929688e-01,  4.27246094e-02,
         1.81640625e-01, -1.15356445e-02, -8.15429688e-02,  2.11914062e-01,
        -1.98242188e-01,  1.48437500e-01,  1.96533203e-02,  1.38671875e-01,
         1.67968750e-01, -2.89306641e-02,  2.91015625e-01,  1.20117188e-01,
        -1.15234375e-01, -1.19628906e-01,  1.80664062e-01,  1.35742188e-01,
         1.39648438e-01,  9.88769531e-03, -1.14746094e-02, -9.86328125e-02,
         2.63671875e-01, -1.62109375e-01,  5.20019531e-02,  5.76171875e-02,
        -8.00781250e-02, -1.22558594e-01,  9.47265625e-02,  1.54296875e-01,
        -2.65625000e-01,  2.20947266e-02,  1.71875000e-01,  1.18164062e-01,
        -1.04980469e-02,  8.72802734e-03, -5.41992188e-02,  9.27734375e-02,
         2.31933594e-02,  1.38549805e-02,  1.13769531e-01,  1.81640625e-01,
        -1.09863281e-01,  2.63671875e-02, -2.31933594e-02,  2.44140625e-0
2],
       dtype=float32),
 'result': array([-2.83203125e-02, -8.88671875e-02, -1.83105469e-02, -2.632
14111e-04,
        -1.36718750e-01, -1.06811523e-02,  1.98242188e-01,  5.00488281e-03,
         1.68945312e-01,  2.50000000e-01, -1.38671875e-01, -1.27929688e-01,
        -5.90820312e-02,  1.46484375e-01,  1.89453125e-01,  1.31835938e-02,
         4.90722656e-02, -4.10156250e-02,  7.22656250e-02, -1.31835938e-01,
        -5.98144531e-02,  9.42382812e-02, -4.66308594e-02, -9.52148438e-02,
        -1.32751465e-03, -1.30859375e-01, -3.10058594e-02, -2.79235840e-03,
         8.78906250e-02,  9.76562500e-02,  1.25000000e-01, -1.86523438e-01,
         8.69140625e-02,  6.29882812e-02,  6.78710938e-02,  1.38671875e-01,
         4.07714844e-02,  3.58886719e-02,  1.66992188e-01,  1.90429688e-02,
         1.18652344e-01,  4.44335938e-02,  5.10253906e-02,  1.39648438e-01,
         1.32812500e-01, -3.55468750e-01, -2.08007812e-01,  1.27929688e-01,
        -1.58203125e-01, -5.95703125e-02,  1.62109375e-01, -4.46777344e-02,
        -5.98144531e-02, -5.27343750e-02,  3.34472656e-02,  9.27734375e-03,
        -1.15234375e-01, -1.87988281e-02,  7.61718750e-02,  5.56640625e-02,
        -4.49218750e-02, -1.19140625e-01, -8.00781250e-02,  1.63574219e-02,
        -1.83105469e-02,  1.06933594e-01,  6.68945312e-02,  2.18750000e-01,
        -2.36328125e-01,  3.03955078e-02, -2.36816406e-02, -1.11328125e-01,
         2.04101562e-01,  5.54199219e-02, -1.62109375e-01, -7.61718750e-02,
         7.47070312e-02,  1.26953125e-01, -7.47070312e-02, -1.09863281e-02,
        -6.39648438e-02, -1.30859375e-01,  4.19921875e-02, -7.17163086e-03,
         5.05371094e-02, -2.89306641e-02, -1.32812500e-01,  1.25000000e-01,
        -1.51367188e-01, -3.78417969e-02,  3.71093750e-01,  1.03515625e-01,
        -8.97216797e-03,  1.22070312e-01,  2.09960938e-01, -2.44140625e-01,
        -1.90429688e-01,  7.61718750e-02, -6.00585938e-02, -4.73632812e-02,
         1.26953125e-01, -1.84570312e-01, -6.59179688e-02,  1.16699219e-01,
        -4.71191406e-02, -2.85156250e-01,  1.19018555e-02, -2.00195312e-01,
        -1.26953125e-01, -1.68945312e-01, -8.05664062e-03,  6.64062500e-02,
         1.57226562e-01, -1.42578125e-01,  1.77001953e-02,  1.38671875e-01,
```

```
        -1.14746094e-01, -3.95507812e-02,  3.07617188e-02,  1.23535156e-01,
         1.26342773e-02, -5.46875000e-02, -1.34765625e-01, -1.58203125e-01,
        -1.51977539e-02,  1.69921875e-01, -4.61425781e-02, -1.00585938e-01,
         5.68847656e-02,  2.02148438e-01,  6.73828125e-02, -1.34765625e-01,
        -2.83203125e-01, -6.83593750e-02, -6.20117188e-02, -1.37695312e-01,
        -7.87353516e-03,  1.07910156e-01,  8.15429688e-02, -6.53076172e-03,
         1.07910156e-01, -3.24707031e-02,  1.60156250e-01,  1.22558594e-01,
         7.66601562e-02,  1.05468750e-01, -3.78417969e-02,  1.41601562e-01,
        -3.04687500e-01,  6.93359375e-02,  1.96289062e-01,  1.04980469e-02,
        -9.66796875e-02,  6.44531250e-02, -1.98364258e-03, -7.86132812e-02,
         2.28271484e-02, -3.95507812e-02, -1.13769531e-01,  1.43554688e-01,
         5.07812500e-02,  9.37500000e-02, -1.17187500e-01,  1.16210938e-01,
         2.52685547e-02, -6.20117188e-02,  4.51660156e-03,  7.08007812e-02,
         1.04492188e-01, -2.24609375e-02, -1.29882812e-01, -6.68945312e-02,
        -1.16210938e-01, -1.97265625e-01, -9.86328125e-02, -1.72851562e-01,
         7.71484375e-02, -1.79290771e-03,  8.15429688e-02,  8.74023438e-02,
         8.00781250e-02, -8.05664062e-02,  9.71679688e-02,  1.62353516e-02,
        -2.19726562e-01,  2.45117188e-01,  5.49316406e-03,  2.11914062e-01,
         1.43554688e-01,  1.75781250e-01,  1.48437500e-01,  5.51757812e-02,
        -4.19921875e-02,  8.74023438e-02, -1.78710938e-01, -3.56445312e-02,
        -4.78515625e-02,  5.61523438e-02,  1.25976562e-01, -1.30859375e-01,
         5.10253906e-02,  1.04492188e-01, -1.53808594e-02, -7.42187500e-02,
         8.44726562e-02, -1.90429688e-01, -1.83593750e-01, -5.67626953e-03,
         2.73132324e-03, -1.03515625e-01,  7.03125000e-02,  6.64062500e-02,
         9.61914062e-02,  1.04003906e-01, -1.47460938e-01, -3.10546875e-01,
         1.52343750e-01,  6.29882812e-02, -3.78417969e-02,  1.97265625e-01,
         1.89453125e-01,  1.66015625e-02,  3.78417969e-02,  1.08886719e-01,
        -2.28271484e-02,  5.76171875e-02,  1.75781250e-01, -1.74804688e-01,
         3.04687500e-01, -2.68554688e-02,  5.54199219e-02,  2.13867188e-01,
         1.80664062e-01, -1.23535156e-01, -8.20312500e-02, -1.05285645e-03,
        -1.25976562e-01,  7.12890625e-02,  2.92968750e-01,  8.15429688e-02,
        -6.98242188e-02,  8.78906250e-03,  1.18164062e-01, -2.88085938e-02,
        -1.75781250e-01, -1.14257812e-01, -1.13769531e-01,  2.43164062e-01,
         2.16674805e-03,  5.07812500e-02,  1.93786621e-03, -7.08007812e-02,
        -4.41894531e-02, -1.17675781e-01, -1.50390625e-01, -1.14257812e-01,
        -2.73437500e-02,  6.64062500e-02, -6.78710938e-02, -1.13769531e-01,
         1.04003906e-01,  1.56250000e-01,  1.05957031e-01,  1.45507812e-01,
         6.93359375e-02,  3.17382812e-02, -1.02050781e-01,  9.81445312e-02,
        -1.06933594e-01, -9.17968750e-02,  4.46777344e-02, -6.86645508e-03,
         4.71191406e-02, -1.81884766e-02, -1.60156250e-01,  3.31115723e-03,
        -1.92382812e-01, -6.44531250e-02,  1.91406250e-01,  1.05957031e-01,
         2.91748047e-02,  4.98046875e-02,  1.26342773e-02, -1.52343750e-01,
        -6.73828125e-02,  3.08227539e-03,  3.27148438e-02,  8.42285156e-03,
        -6.39648438e-02, -5.37109375e-02, -1.30859375e-01,  1.55273438e-01,
        -1.22558594e-01,  7.56835938e-02,  2.66113281e-02,  2.45361328e-02,
         4.22363281e-02,  9.08203125e-02,  2.92968750e-01, -1.13281250e-0
1],
       dtype=float32),
 'catalog': array([ 0.18164062,  0.17480469, -0.04394531, -0.00952148,  0.2
4316406,
        -0.14550781, -0.1875    , -0.06494141,  0.02539062, -0.07226562,
        -0.09179688, -0.01531982, -0.02380371, -0.0324707 , -0.08544922,
        -0.25      ,  0.04345703,  0.1640625 ,  0.15722656, -0.12988281,
         0.10644531, -0.11865234, -0.18554688,  0.13964844, -0.22265625,
        -0.1171875 ,  0.00457764,  0.19140625,  0.04833984, -0.03808594,
        -0.14160156,  0.05664062, -0.39257812,  0.11865234,  0.08740234,
         0.06396484,  0.06787109, -0.20800781,  0.36328125, -0.20214844,
         0.2421875 ,  0.26757812, -0.25976562, -0.11132812, -0.0324707 ,
        -0.32226562, -0.10498047, -0.00717163, -0.12792969, -0.22070312,
         0.19824219, -0.01586914, -0.08251953, -0.16503906,  0.02233887,
         0.21191406,  0.12890625, -0.25      ,  0.06079102,  0.18652344,
         0.24121094,  0.00744629,  0.19921875, -0.18164062, -0.29101562,
         0.05273438, -0.16015625, -0.00294495, -0.05761719,  0.03063965,
         0.20019531,  0.06787109,  0.05249023, -0.15917969,  0.04833984,
```

```
         0.28515625,  0.2421875 , -0.09521484,  0.06884766, -0.10058594,
         0.01495361, -0.10400391,  0.12207031, -0.15136719,  0.30664062,
         0.10986328,  0.10302734,  0.15039062,  0.07519531,  0.15820312,
        -0.17578125, -0.00933838, -0.078125  , -0.09570312, -0.11376953,
        -0.19140625,  0.21386719, -0.00312805, -0.08447266, -0.00219727,
        -0.07617188,  0.1953125 , -0.28515625,  0.16992188, -0.11816406,
        -0.24121094,  0.08447266,  0.31835938, -0.1171875 , -0.06591797,
        -0.16796875,  0.16699219, -0.00427246, -0.0546875 ,  0.16503906,
        -0.0111084 , -0.19335938,  0.06640625,  0.33398438,  0.07617188,
        -0.36328125,  0.04589844, -0.1640625 ,  0.00683594,  0.07324219,
        -0.05859375, -0.32421875, -0.09521484,  0.04541016,  0.20996094,
         0.03662109,  0.13183594, -0.15527344,  0.17382812,  0.1484375 ,
         0.18945312, -0.33203125, -0.00811768,  0.10351562, -0.09082031,
        -0.01385498, -0.17382812,  0.08544922,  0.26171875,  0.11035156,
        -0.14941406,  0.32226562,  0.21582031, -0.375     ,  0.1171875 ,
         0.25195312,  0.03271484,  0.12451172,  0.2890625 ,  0.21972656,
        -0.42773438, -0.109375  ,  0.125     , -0.27929688, -0.02368164,
         0.18261719,  0.078125  ,  0.15136719,  0.15722656,  0.18164062,
        -0.10693359,  0.06689453, -0.02587891, -0.35742188,  0.203125  ,
         0.07958984,  0.09326172,  0.17871094, -0.22851562, -0.19433594,
        -0.10839844,  0.20019531, -0.31054688, -0.24023438,  0.14160156,
        -0.16894531,  0.11669922, -0.04541016, -0.07861328, -0.03491211,
         0.04418945, -0.27929688,  0.140625  , -0.17578125,  0.08154297,
         0.36914062, -0.34570312, -0.17675781, -0.01611328, -0.14648438,
        -0.10449219,  0.26171875, -0.14160156, -0.26171875, -0.26953125,
        -0.18164062,  0.13476562, -0.1171875 ,  0.02600098,  0.06787109,
         0.12255859, -0.26953125, -0.08789062, -0.16503906,  0.25195312,
        -0.05908203,  0.19042969,  0.08300781,  0.15625   ,  0.109375  ,
         0.08642578,  0.203125  ,  0.07128906, -0.08691406,  0.03417969,
         0.0177002 ,  0.171875  , -0.0390625 , -0.00640869,  0.13183594,
        -0.15234375,  0.046875  , -0.36914062,  0.06005859, -0.31445312,
        -0.13085938, -0.18359375, -0.16015625, -0.08398438,  0.07080078,
         0.36914062,  0.16308594,  0.16113281,  0.00387573, -0.11035156,
         0.21777344, -0.04785156, -0.20410156, -0.18652344,  0.15917969,
         0.14160156,  0.08154297,  0.2109375 , -0.0234375 ,  0.18945312,
         0.01782227, -0.02758789, -0.18847656, -0.33984375, -0.05444336,
        -0.02429199, -0.27734375,  0.18554688,  0.06689453, -0.19726562,
         0.23925781, -0.12451172, -0.06494141, -0.1640625 , -0.17773438,
        -0.02307129, -0.13671875, -0.02368164, -0.03015137, -0.08007812,
         0.09179688,  0.23339844,  0.10498047,  0.0145874 ,  0.328125  ,
         0.08105469,  0.19921875,  0.14550781,  0.07275391,  0.01574707,
        -0.19824219,  0.13378906,  0.17285156,  0.06176758,  0.08398438,
         0.02880859,  0.08349609,  0.23339844,  0.27148438,  0.20214844,
         0.18359375,  0.09277344, -0.38867188,  0.21289062,  0.20996094,
         0.03466797,  0.05297852,  0.09277344,  0.24511719, -0.13867188],
       dtype=float32),
 'define': array([-7.42187500e-02, -7.37304688e-02, -1.94091797e-02,  7.470
70312e-02,
        -6.54296875e-02, -1.75781250e-02,  6.05468750e-02, -1.67968750e-01,
        -2.36816406e-02, -2.26562500e-01, -2.94921875e-01,  3.41796875e-02,
         1.65039062e-01,  1.94335938e-01, -2.62451172e-02,  2.41210938e-01,
         8.25195312e-02,  2.71484375e-01,  1.11816406e-01, -2.92968750e-01,
        -2.26562500e-01,  4.58984375e-02, -1.30859375e-01,  1.19628906e-01,
         3.39355469e-02,  9.27734375e-02,  2.28271484e-02,  2.52685547e-02,
         2.59765625e-01, -1.12915039e-02,  8.44726562e-02,  7.12890625e-02,
         1.12304688e-01,  7.71484375e-02, -2.20703125e-01,  2.03857422e-02,
        -1.30859375e-01,  1.70135498e-03,  3.06640625e-01,  1.37695312e-01,
         1.27929688e-01,  2.89062500e-01,  1.15966797e-02, -1.52343750e-01,
        -3.54003906e-02, -2.17773438e-01, -1.96289062e-01, -4.39453125e-02,
         1.09863281e-01, -5.78613281e-02, -1.84570312e-01, -4.56542969e-02,
        -1.97265625e-01, -9.08203125e-02, -5.66406250e-02,  1.62109375e-01,
        -1.37695312e-01, -3.82812500e-01,  4.27246094e-02,  7.37304688e-02,
         5.66406250e-02, -3.66210938e-02, -1.69677734e-02, -4.07714844e-02,
         3.03955078e-02,  1.00097656e-01,  2.85644531e-02,  2.06054688e-01,
```

```
         1.11816406e-01, -5.22460938e-02, -2.38037109e-03,  2.18750000e-01,
         7.32421875e-02, -9.61914062e-02, -8.30078125e-03, -4.19921875e-01,
         1.50390625e-01,  1.24023438e-01, -2.67578125e-01,  4.02343750e-01,
         2.45361328e-02, -1.38671875e-01, -1.04003906e-01,  1.60156250e-01,
        -1.47460938e-01,  1.90429688e-01, -4.61425781e-02,  1.26953125e-01,
        -1.08886719e-01,  1.16699219e-01,  1.09863281e-02, -2.29492188e-01,
        -9.03320312e-02, -3.90625000e-02,  3.39843750e-01, -2.91015625e-01,
         6.54296875e-02, -1.83593750e-01, -1.47460938e-01,  1.54296875e-01,
        -1.15234375e-01, -9.13085938e-02,  1.95312500e-01,  4.80957031e-02,
        -8.93554688e-02, -2.56347656e-02, -7.22656250e-02, -1.17675781e-01,
        -1.28906250e-01,  1.76757812e-01, -2.06054688e-01, -5.39550781e-02,
         4.05273438e-02, -6.64062500e-02,  3.35937500e-01,  8.64257812e-02,
         2.33398438e-01,  4.05273438e-02,  2.79296875e-01, -6.59179688e-03,
        -1.92382812e-01,  8.00781250e-02, -1.04980469e-01, -8.08715820e-04,
         6.29882812e-02, -1.98242188e-01, -1.76757812e-01,  1.28936768e-03,
        -3.97949219e-02,  2.40478516e-02,  2.34375000e-01, -1.90429688e-01,
         7.09533691e-04,  2.50000000e-01,  1.58203125e-01,  7.32421875e-02,
        -4.10156250e-02,  7.08007812e-02,  2.79296875e-01, -1.45507812e-01,
         1.44531250e-01,  8.88671875e-02, -3.59375000e-01,  1.02539062e-01,
         6.25610352e-04, -1.59179688e-01, -1.87500000e-01, -1.31835938e-01,
        -8.20312500e-02,  1.17675781e-01,  6.68945312e-02, -1.24023438e-01,
        -1.94335938e-01,  1.06933594e-01, -1.51977539e-02,  2.25585938e-01,
        -1.26953125e-01,  2.68554688e-02, -1.01562500e-01, -1.47460938e-01,
        -6.98852539e-03,  2.61306763e-04, -1.46484375e-01, -2.77343750e-01,
         1.63085938e-01,  2.24609375e-01,  9.32617188e-02, -1.53320312e-01,
        -1.78710938e-01,  1.45507812e-01, -5.76171875e-02, -1.99218750e-01,
         6.54296875e-02, -1.66015625e-01,  3.41796875e-01,  6.12792969e-02,
         2.77343750e-01, -4.58984375e-02, -2.73437500e-01,  1.72424316e-03,
        -5.95703125e-02,  6.44531250e-02,  1.56402588e-03,  1.64794922e-02,
        -5.10253906e-02, -9.76562500e-02, -1.58203125e-01,  3.51562500e-02,
        -7.08007812e-02,  1.95312500e-01, -2.44140625e-02, -7.12890625e-02,
         1.92382812e-01, -2.42187500e-01, -2.07031250e-01, -1.40625000e-01,
         1.84570312e-01, -1.69921875e-01,  4.02832031e-03, -3.83300781e-02,
         1.48437500e-01,  2.10937500e-01, -1.55273438e-01, -5.00488281e-03,
        -2.29492188e-01,  9.03320312e-02,  3.73535156e-02, -1.36718750e-01,
         1.35742188e-01, -3.41796875e-01, -9.86328125e-02,  1.18652344e-01,
        -6.73828125e-02,  8.34960938e-02, -4.00390625e-01, -1.38671875e-01,
         2.63671875e-01, -1.35742188e-01, -5.46875000e-02, -2.37304688e-01,
        -9.03320312e-02, -1.08886719e-01,  4.22363281e-02, -2.00195312e-02,
         2.47070312e-01,  7.51953125e-02,  2.38281250e-01,  1.97265625e-01,
        -3.24707031e-02,  1.53320312e-01, -2.45117188e-01, -5.88378906e-02,
        -1.95312500e-01,  2.22167969e-02,  3.90625000e-01, -1.14746094e-02,
        -1.47094727e-02, -1.48315430e-02,  1.45507812e-01, -2.47802734e-02,
        -2.32421875e-01, -6.07910156e-02,  8.49609375e-02,  1.87500000e-01,
        -3.39843750e-01, -8.49609375e-02, -2.42919922e-02,  2.48046875e-01,
        -9.13085938e-02, -4.66308594e-02, -1.55273438e-01,  2.65625000e-01,
        -3.97949219e-02,  4.71191406e-02,  3.29589844e-02, -4.02832031e-02,
        -3.30078125e-01,  1.05957031e-01,  4.29687500e-02, -2.47070312e-01,
         8.15429688e-02, -1.31835938e-01,  1.25732422e-02, -1.73828125e-01,
         3.02734375e-01, -3.02124023e-03,  1.59179688e-01, -1.19140625e-01,
        -1.04003906e-01, -2.36328125e-01, -2.22656250e-01,  9.66796875e-02,
         1.56250000e-01, -6.29882812e-02, -1.28906250e-01,  4.10156250e-02,
        -4.12109375e-01, -1.29882812e-01, -2.42187500e-01, -1.16210938e-01,
         6.44531250e-02,  3.24707031e-02,  4.24804688e-02,  5.85937500e-02,
         1.57470703e-02, -8.88824463e-04, -2.48046875e-01, -9.21630859e-03,
         3.61328125e-02,  2.29492188e-01,  6.20117188e-02,  9.03320312e-03,
        -1.03027344e-01, -2.08984375e-01, -2.77343750e-01, -1.29882812e-01,
         2.67578125e-01,  5.85937500e-02,  4.80957031e-02, -2.21679688e-0
1],
       dtype=float32),
 'metric': array([-4.37011719e-02, -7.08007812e-02,  2.71484375e-01,  6.884
76562e-02,
        -8.44726562e-02,  2.65625000e-01,  1.48437500e-01,  1.06933594e-01,
         2.71484375e-01,  9.61914062e-02, -6.29882812e-02, -4.17968750e-01,
```

```
 5.03906250e-01,  8.78906250e-02,  2.10937500e-01,  8.20312500e-02,
 1.58691406e-02, -2.94921875e-01, -2.92968750e-01, -3.73046875e-01,
 8.88671875e-02, -1.06811523e-02, -1.03515625e-01,  3.57421875e-01,
 1.04980469e-01,  2.67578125e-01, -3.71093750e-01,  2.55859375e-01,
-6.29882812e-02, -1.48773193e-03, -3.38745117e-03, -1.08886719e-01,
-2.08984375e-01,  2.33154297e-02, -7.03125000e-02,  1.30859375e-01,
 1.13281250e-01, -6.78710938e-02,  2.03125000e-01, -3.51562500e-02,
 2.73437500e-01,  9.03320312e-02,  8.93554688e-02,  2.19726562e-01,
-2.91748047e-02,  1.60156250e-01, -2.85156250e-01,  2.01171875e-01,
 6.68945312e-02,  1.31835938e-01, -1.27929688e-01,  5.93261719e-02,
-3.67187500e-01, -2.73437500e-01,  1.52343750e-01,  6.98242188e-02,
-1.94335938e-01,  8.39843750e-02,  1.25000000e-01, -9.42382812e-02,
 3.36914062e-02,  2.36816406e-02, -3.06640625e-01, -3.41796875e-01,
 6.54296875e-02, -7.71484375e-02, -1.45507812e-01,  8.54492188e-02,
 2.85156250e-01, -2.45117188e-01, -5.51757812e-02, -2.18750000e-01,
-5.34667969e-02, -6.40625000e-01,  2.37304688e-01, -2.81250000e-01,
 1.56250000e-01, -5.15136719e-02, -1.45874023e-02, -2.51953125e-01,
 1.44531250e-01, -2.55859375e-01, -7.56835938e-02,  4.94384766e-03,
 3.34472656e-02,  3.20312500e-01,  3.76953125e-01,  2.36328125e-01,
 1.89453125e-01, -1.03027344e-01,  4.27246094e-02, -3.95507812e-02,
-3.94531250e-01,  1.22558594e-01, -1.60156250e-01, -1.17675781e-01,
 1.44531250e-01,  8.74023438e-02,  1.88476562e-01, -1.49414062e-01,
 2.22656250e-01,  5.66406250e-02,  2.17773438e-01, -1.69921875e-01,
 1.29882812e-01,  1.33789062e-01, -3.04687500e-01,  1.14746094e-01,
 1.82617188e-01, -2.12890625e-01, -4.27246094e-02, -6.44531250e-02,
-2.28271484e-02, -3.89099121e-03,  5.23437500e-01,  4.98046875e-02,
-5.51757812e-02, -1.09375000e-01, -2.92968750e-02,  1.00585938e-01,
-6.12792969e-02,  1.17187500e-01, -3.26171875e-01,  2.68554688e-02,
 1.50390625e-01,  3.28125000e-01,  2.50000000e-01,  3.24218750e-01,
 8.93554688e-02,  2.75390625e-01,  3.61328125e-02, -1.18164062e-01,
 7.03125000e-02, -3.63769531e-02,  2.18750000e-01,  1.22070312e-01,
-1.10839844e-01,  5.56640625e-02, -5.95703125e-02,  2.35351562e-01,
 2.41210938e-01,  1.04492188e-01,  5.95703125e-02, -6.25000000e-02,
 7.22656250e-02, -2.47070312e-01,  1.94335938e-01, -2.79296875e-01,
-2.46093750e-01,  1.20117188e-01,  4.19921875e-02,  2.14843750e-01,
-3.84765625e-01,  9.22851562e-02, -5.56640625e-02,  1.10839844e-01,
-4.73632812e-02,  1.24023438e-01, -5.95092773e-04, -3.12500000e-01,
-1.51367188e-01,  7.66601562e-02,  2.05078125e-01, -4.07714844e-02,
-3.88671875e-01,  2.89062500e-01, -1.42578125e-01, -2.31445312e-01,
 1.17675781e-01, -1.34765625e-01, -4.12109375e-01, -8.34960938e-02,
-1.16210938e-01, -1.75781250e-01,  1.46484375e-01, -7.04956055e-03,
 3.04687500e-01, -5.35156250e-01,  3.63769531e-02, -4.12109375e-01,
-1.75781250e-01,  1.66992188e-01, -2.83203125e-01,  2.75390625e-01,
 4.76562500e-01, -1.13281250e-01, -1.49536133e-02,  2.18750000e-01,
 1.39648438e-01,  1.94335938e-01,  1.50146484e-02, -2.16796875e-01,
-9.27734375e-02, -9.66796875e-02, -8.74023438e-02, -1.73828125e-01,
 1.10839844e-01,  7.66601562e-02, -1.65039062e-01,  5.93261719e-02,
-1.59179688e-01,  3.53515625e-01, -1.13769531e-01,  2.32421875e-01,
-9.08203125e-02, -9.52148438e-02, -1.06445312e-01,  1.60156250e-01,
 1.00585938e-01, -5.27343750e-02,  3.26171875e-01,  2.50000000e-01,
-2.03125000e-01, -1.31835938e-01, -3.67187500e-01,  3.12500000e-01,
 3.94531250e-01,  1.90429688e-01,  2.53906250e-01,  2.94921875e-01,
-8.88671875e-02,  3.02734375e-01,  1.54296875e-01, -4.12109375e-01,
-2.21679688e-01,  8.44726562e-02,  1.16210938e-01, -2.36328125e-01,
 1.62109375e-01,  4.78515625e-02, -3.22265625e-01, -1.96289062e-01,
 9.52148438e-02, -1.16210938e-01,  1.28173828e-02,  2.53295898e-03,
-5.51757812e-02, -3.63281250e-01,  9.64355469e-03,  1.50390625e-01,
-2.41210938e-01,  1.80664062e-01,  2.49023438e-01, -1.00585938e-01,
-5.59082031e-02, -2.85156250e-01, -3.47656250e-01,  1.44531250e-01,
-2.21679688e-01, -1.12304688e-01, -4.12109375e-01, -1.65039062e-01,
 1.30859375e-01, -6.83593750e-02,  8.73565674e-04,  2.40478516e-02,
-2.97851562e-02,  4.12597656e-02, -1.37939453e-02, -1.54296875e-01,
 2.92968750e-01,  2.63671875e-02, -1.51367188e-01,  5.07812500e-02,
-8.54492188e-02, -1.47460938e-01,  8.78906250e-02, -4.58984375e-01,
```

```
         1.20849609e-02,  1.40380859e-02,  5.32226562e-02,  3.47656250e-01,
        -2.03857422e-02, -1.23535156e-01, -4.45312500e-01,  4.76074219e-02,
        -2.30468750e-01,  5.40161133e-03,  1.49414062e-01,  4.05273438e-02,
        -5.19531250e-01,  3.00292969e-02,  8.78906250e-02, -2.86865234e-02,
         4.61425781e-02, -3.76953125e-01,  1.97753906e-02,  2.45117188e-01,
         1.67236328e-02,  7.51953125e-02,  1.19140625e-01,  1.33789062e-01,
        -2.80761719e-03, -1.68945312e-01, -2.25585938e-01, -2.75390625e-01,
         1.03515625e-01,  1.79687500e-01,  2.24609375e-01,  1.71875000e-0
1],
       dtype=float32),
 'contribute': array([-0.2109375 ,  0.0065918 ,  0.00292969,  0.10253906, -
0.11914062,
         0.18164062,  0.24707031, -0.05249023,  0.21972656,  0.07958984,
        -0.13964844, -0.05908203,  0.10058594,  0.22265625,  0.04272461,
        -0.07568359, -0.02124023,  0.25390625, -0.16503906,  0.15039062,
        -0.01361084,  0.12695312, -0.05712891,  0.13964844, -0.12597656,
         0.02001953, -0.21386719, -0.01159668, -0.12060547, -0.01977539,
        -0.13671875, -0.38867188, -0.11621094, -0.16308594,  0.04614258,
        -0.08349609, -0.04321289,  0.08154297,  0.02185059,  0.2890625 ,
         0.1640625 ,  0.125     , -0.14746094, -0.03564453, -0.12304688,
        -0.17480469, -0.39257812, -0.12109375, -0.03979492,  0.05395508,
         0.24511719, -0.16992188, -0.0300293 , -0.2734375 ,  0.00744629,
        -0.20019531, -0.14355469, -0.04589844,  0.11376953, -0.33007812,
         0.20800781, -0.1640625 , -0.234375  ,  0.16601562,  0.31640625,
         0.09570312, -0.14648438,  0.02233887,  0.04003906,  0.20117188,
        -0.06030273, -0.03979492,  0.28515625, -0.21484375, -0.01599121,
        -0.390625  ,  0.01879883,  0.11523438, -0.12304688, -0.02636719,
        -0.06445312, -0.1640625 ,  0.00512695,  0.1328125 ,  0.10205078,
         0.05908203, -0.04345703,  0.03125   , -0.10058594,  0.09814453,
         0.30078125, -0.08154297,  0.03112793, -0.3359375 ,  0.19238281,
        -0.2578125 ,  0.15332031,  0.11132812, -0.16699219,  0.00245667,
        -0.21972656,  0.02600098, -0.07128906,  0.14453125, -0.02380371,
        -0.3046875 , -0.11230469, -0.26953125,  0.13574219,  0.05273438,
        -0.05908203, -0.12402344, -0.05493164,  0.00964355,  0.14550781,
        -0.04296875, -0.08740234,  0.01257324,  0.08105469,  0.03881836,
         0.27539062, -0.00305176, -0.19921875,  0.15136719, -0.359375  ,
         0.14453125,  0.01538086, -0.08935547, -0.04980469,  0.12988281,
         0.07861328,  0.15722656, -0.18847656,  0.03149414,  0.03881836,
         0.07910156, -0.1484375 ,  0.04272461,  0.12597656,  0.01965332,
         0.03320312,  0.07861328, -0.01965332,  0.12890625,  0.01843262,
        -0.2890625 ,  0.05053711, -0.203125  , -0.0546875 , -0.06591797,
         0.10205078, -0.0703125 , -0.18945312,  0.07714844,  0.14453125,
         0.19140625,  0.16992188, -0.10595703, -0.19433594, -0.08837891,
         0.30859375, -0.12255859, -0.21679688,  0.13085938,  0.19140625,
        -0.25585938,  0.06494141, -0.00714111,  0.12988281, -0.00190735,
        -0.04077148, -0.25585938, -0.00540161, -0.16699219,  0.09130859,
        -0.03881836,  0.09277344,  0.12695312, -0.10205078,  0.11035156,
        -0.17480469, -0.02429199,  0.07861328,  0.25      , -0.375     ,
         0.00045204, -0.09521484, -0.03613281, -0.06201172, -0.04492188,
         0.2265625 ,  0.02636719,  0.00476074, -0.08740234, -0.22753906,
         0.14355469,  0.14453125,  0.13964844,  0.015625  , -0.30078125,
        -0.06005859,  0.09716797, -0.15527344, -0.19628906, -0.17285156,
        -0.08349609, -0.11230469, -0.21582031, -0.04174805,  0.09521484,
         0.20898438, -0.08154297,  0.02148438,  0.3125    , -0.01647949,
         0.14746094,  0.24023438, -0.10742188,  0.02282715, -0.10888672,
         0.15039062, -0.05834961, -0.03613281, -0.11376953,  0.15429688,
         0.14453125,  0.02502441, -0.09765625, -0.09570312,  0.08251953,
        -0.01080322,  0.13964844, -0.0300293 ,  0.12304688,  0.08544922,
        -0.16210938, -0.11230469,  0.08007812,  0.07421875, -0.09960938,
        -0.19335938,  0.09521484,  0.0859375 ,  0.09082031, -0.12792969,
        -0.00328064, -0.02258301,  0.18847656, -0.01831055, -0.16113281,
         0.14453125,  0.08007812,  0.03149414,  0.14453125, -0.10449219,
        -0.22167969,  0.10791016,  0.3359375 , -0.21875   ,  0.07958984,
         0.00878906,  0.10546875, -0.18066406,  0.31640625,  0.30273438,
```

```
         0.11083984, -0.15136719,  0.13085938, -0.17578125, -0.12792969,
        -0.09570312,  0.21289062, -0.13964844, -0.0456543 ,  0.19628906,
        -0.21582031, -0.04125977,  0.02209473, -0.36523438,  0.05615234,
         0.08935547,  0.12890625, -0.15917969,  0.09570312,  0.19921875,
        -0.00350952,  0.12402344, -0.13085938,  0.09423828, -0.06054688,
        -0.00561523,  0.28320312,  0.17675781,  0.09960938, -0.16503906,
         0.0234375 ,  0.00154877, -0.17773438,  0.296875  , -0.11376953],
       dtype=float32),
 'idea': array([ 6.78710938e-02,  1.16577148e-02,  3.36914062e-02,  2.20703
125e-01,
        -2.51953125e-01,  2.77343750e-01,  1.99218750e-01, -3.71093750e-02,
        -3.00292969e-02,  9.52148438e-03, -8.39843750e-02, -2.11914062e-01,
        -2.99072266e-02, -4.00390625e-01, -2.39257812e-01,  3.45703125e-01,
         1.87500000e-01,  1.33789062e-01,  1.03027344e-01, -1.07910156e-01,
         1.04980469e-01,  2.02148438e-01,  3.32031250e-02, -7.17773438e-02,
         9.27734375e-03,  1.49414062e-01,  8.54492188e-02,  2.53906250e-01,
        -1.19628906e-01, -5.05371094e-02, -1.12304688e-01,  1.03515625e-01,
         4.73022461e-03,  5.44433594e-02,  2.89062500e-01,  1.59179688e-01,
         3.73046875e-01, -1.43554688e-01,  4.37011719e-02,  1.87500000e-01,
         1.11103058e-04,  2.31933594e-02,  1.54296875e-01, -1.96533203e-02,
        -1.50390625e-01, -4.29687500e-02, -9.13085938e-02, -1.67968750e-01,
        -2.23632812e-01,  1.81640625e-01, -3.54003906e-02, -4.61425781e-02,
        -1.88476562e-01, -8.20312500e-02,  6.12792969e-02,  1.10839844e-01,
        -2.88085938e-02, -8.30078125e-02,  1.89453125e-01, -1.26953125e-01,
         2.98828125e-01, -1.17675781e-01, -1.35742188e-01, -7.61718750e-02,
         5.88378906e-02, -1.49414062e-01, -2.43164062e-01,  7.95898438e-02,
        -5.51757812e-02,  1.32812500e-01, -9.86328125e-02,  9.13085938e-02,
         7.32421875e-02,  1.17797852e-02, -1.34765625e-01, -1.13281250e-01,
         1.30004883e-02,  5.27343750e-02,  4.56542969e-02,  2.42187500e-01,
         2.65625000e-01,  1.83105469e-02,  1.29882812e-01, -8.98437500e-02,
        -2.17773438e-01, -8.25195312e-02, -1.23046875e-01,  1.24511719e-01,
         1.86523438e-01, -1.33789062e-01, -6.25000000e-02,  9.47265625e-02,
        -1.53320312e-01, -1.54296875e-01,  7.91015625e-02,  2.49023438e-01,
        -5.90820312e-02, -6.22558594e-02,  8.60595703e-03, -7.81250000e-02,
        -7.91015625e-02,  4.29687500e-02,  8.97216797e-03,  2.24609375e-01,
         5.98144531e-02,  1.34765625e-01,  2.20947266e-02, -6.73828125e-02,
         1.63574219e-02, -1.73828125e-01,  7.91015625e-02,  4.32128906e-02,
         2.61718750e-01,  7.22656250e-02,  2.17773438e-01, -7.56835938e-02,
         8.34960938e-02,  6.10351562e-02, -1.09863281e-01,  6.44531250e-02,
        -6.20117188e-02, -1.44531250e-01,  1.58691406e-02,  2.47070312e-01,
        -9.46044922e-03,  1.65039062e-01,  3.36914062e-02,  1.09863281e-01,
        -3.85742188e-02, -4.42504883e-03, -7.71484375e-02, -3.41796875e-01,
         3.68652344e-02, -8.44726562e-02,  2.65625000e-01,  2.08007812e-01,
        -4.88281250e-02, -7.42187500e-02, -1.20117188e-01,  4.49218750e-02,
         1.08398438e-01, -6.64062500e-02,  1.10839844e-01,  2.81982422e-02,
        -1.42211914e-02,  4.49218750e-02, -2.46093750e-01, -1.42578125e-01,
        -1.31835938e-02, -1.03027344e-01,  1.48437500e-01,  2.08984375e-01,
        -1.74804688e-01,  6.98242188e-02,  4.51660156e-02, -2.68554688e-02,
        -1.77734375e-01, -1.66015625e-01,  4.94384766e-03,  8.88671875e-02,
         1.86767578e-02, -1.03027344e-01,  1.28906250e-01,  6.44531250e-02,
        -8.54492188e-03,  2.88085938e-02,  1.81640625e-01,  1.31835938e-02,
         7.76367188e-02, -1.68945312e-01,  1.59179688e-01,  7.51953125e-02,
        -2.56347656e-02, -8.49609375e-02,  5.59082031e-02, -5.91278076e-04,
         2.14843750e-01, -2.05078125e-01,  1.34765625e-01,  1.53320312e-01,
         5.66406250e-02, -1.45507812e-01,  1.56250000e-01,  4.61425781e-02,
         2.91015625e-01, -1.96289062e-01, -3.68652344e-02,  4.76074219e-02,
         4.93164062e-02, -4.88281250e-02, -3.55468750e-01, -4.57763672e-03,
         1.29882812e-01,  2.39257812e-02, -1.76757812e-01,  8.00781250e-02,
         2.64892578e-02,  1.66992188e-01,  2.04101562e-01, -1.34765625e-01,
         1.61132812e-01, -5.29785156e-02,  5.93261719e-02, -1.04003906e-01,
        -1.96533203e-02,  1.82617188e-01,  5.56640625e-02,  9.88769531e-03,
        -1.97265625e-01,  1.73339844e-02, -2.88085938e-02,  5.15136719e-02,
        -6.93359375e-02, -5.29785156e-02, -1.82617188e-01, -7.61718750e-02,
         6.64062500e-02,  1.18164062e-01,  1.41601562e-01,  1.06933594e-01,
```

```
         4.73022461e-03, -1.44531250e-01,  1.11816406e-01, -3.05175781e-02,
        -2.66113281e-02, -9.76562500e-03, -5.68847656e-02,  4.37011719e-02,
         5.61523438e-02,  1.47460938e-01, -8.39843750e-02,  3.27148438e-02,
        -2.23388672e-02, -8.85009766e-03, -2.85644531e-02,  3.06396484e-02,
         1.62109375e-01, -1.52587891e-02,  1.05957031e-01,  2.70996094e-02,
        -1.01318359e-02, -7.51953125e-02,  1.26342773e-02,  3.01513672e-02,
        -8.34960938e-02,  1.63085938e-01,  1.54296875e-01,  1.30859375e-01,
         1.80664062e-01, -5.63964844e-02, -1.09863281e-01,  2.44140625e-02,
         3.29589844e-02,  1.21093750e-01, -7.44628906e-03,  1.07421875e-01,
        -8.64257812e-02,  5.73730469e-02, -1.11816406e-01, -2.73437500e-01,
        -4.90722656e-02,  1.40625000e-01, -3.80859375e-01,  8.64257812e-02,
        -8.98437500e-02,  1.24511719e-01, -7.56835938e-02, -1.20605469e-01,
        -3.90625000e-01, -4.46777344e-02, -4.27246094e-02, -6.59179688e-02,
         2.17773438e-01,  1.08886719e-01,  5.66406250e-02, -4.88281250e-02,
         7.08007812e-02, -6.73828125e-02,  1.13769531e-01,  1.20605469e-01,
         7.17773438e-02,  8.30078125e-03, -3.88183594e-02, -5.02929688e-02,
        -4.71191406e-02, -3.56445312e-02, -1.76757812e-01,  4.51660156e-02,
         2.42187500e-01,  1.39648438e-01, -4.90234375e-01,  1.40625000e-01,
        -9.61914062e-02, -1.22070312e-02, -2.46093750e-01,  1.41601562e-01,
         1.28906250e-01, -1.28906250e-01,  4.02832031e-03, -3.41796875e-0
2],
       dtype=float32),
 'shaping': array([ 0.08496094,  0.13085938,  0.09472656, -0.25390625, -0.0
7373047,
        -0.0267334 , -0.20996094,  0.01794434, -0.02087402,  0.11816406,
        -0.13769531, -0.22851562, -0.04443359, -0.03833008, -0.06738281,
         0.04394531,  0.13964844,  0.19433594,  0.11425781, -0.15625   ,
        -0.13378906,  0.20214844, -0.10205078,  0.1484375 ,  0.1796875 ,
         0.15820312,  0.09472656,  0.03833008, -0.06689453,  0.05932617,
         0.04272461,  0.04345703,  0.265625  ,  0.16015625,  0.14648438,
         0.15917969,  0.09716797, -0.04443359,  0.15917969,  0.13085938,
        -0.0144043 , -0.02990723, -0.14453125,  0.06494141,  0.02502441,
        -0.22363281,  0.02929688,  0.1484375 ,  0.11132812, -0.11474609,
         0.04907227,  0.22753906, -0.09619141,  0.0378418 ,  0.12988281,
         0.33984375,  0.07568359, -0.31054688,  0.09375   , -0.05932617,
        -0.10107422,  0.0324707 , -0.00276184, -0.21582031,  0.08251953,
         0.34960938,  0.02685547,  0.23339844,  0.03344727, -0.15722656,
        -0.1015625 ,  0.07763672,  0.12109375, -0.16210938,  0.09326172,
        -0.33007812,  0.45703125,  0.03442383, -0.2421875 ,  0.19335938,
         0.24511719, -0.16503906, -0.05297852, -0.00296021, -0.17578125,
         0.06933594, -0.27929688, -0.12060547,  0.07714844,  0.10986328,
         0.4453125 , -0.06298828,  0.296875  , -0.07568359,  0.07177734,
        -0.45898438,  0.01013184, -0.11474609, -0.13085938, -0.10253906,
        -0.09326172, -0.09082031,  0.11474609, -0.2578125 , -0.17089844,
        -0.2578125 , -0.03295898, -0.05908203, -0.04736328,  0.08300781,
        -0.03686523, -0.0234375 , -0.02185059, -0.07177734,  0.26757812,
         0.0234375 ,  0.21191406,  0.171875  ,  0.20605469, -0.16699219,
         0.00273132, -0.04052734,  0.03295898,  0.03344727, -0.02246094,
         0.05419922, -0.2578125 ,  0.13085938, -0.29101562,  0.06787109,
         0.11132812, -0.15625   , -0.35351562,  0.11083984,  0.1171875 ,
         0.04467773,  0.03125   , -0.08007812, -0.10351562, -0.02941895,
         0.32421875,  0.17871094, -0.05395508, -0.09228516,  0.16894531,
        -0.16015625,  0.17480469, -0.18945312,  0.02893066, -0.12988281,
         0.09814453, -0.21386719, -0.19335938, -0.12988281, -0.03588867,
        -0.05688477,  0.17285156, -0.38867188,  0.13085938, -0.08544922,
        -0.18164062, -0.15332031, -0.21191406, -0.00488281, -0.00073624,
         0.11865234,  0.12988281, -0.18359375, -0.15039062,  0.0291748 ,
        -0.34960938,  0.20410156,  0.19433594, -0.14160156,  0.07763672,
         0.04223633,  0.05053711, -0.30078125,  0.07470703,  0.31835938,
         0.05883789,  0.09912109, -0.01055908, -0.15039062, -0.24804688,
        -0.00958252, -0.13085938,  0.17480469,  0.07958984,  0.16894531,
         0.41210938,  0.45117188,  0.37109375, -0.515625  , -0.06176758,
        -0.03857422,  0.03955078,  0.06933594,  0.01965332,  0.05004883,
        -0.08691406,  0.02770996, -0.0612793 , -0.21386719, -0.09375   ,
```

```
        -0.03088379,  0.18261719, -0.40039062,  0.05566406, -0.13867188,
         0.125     ,  0.17871094, -0.11132812,  0.08007812, -0.12695312,
        -0.265625  ,  0.10986328, -0.28320312,  0.07617188,  0.08447266,
         0.00386047,  0.012146  , -0.02685547,  0.03564453,  0.00653076,
        -0.05444336,  0.08056641, -0.29882812, -0.0246582 , -0.02441406,
        -0.30859375, -0.18261719,  0.07519531,  0.07226562,  0.24707031,
         0.01287842, -0.19140625, -0.30273438, -0.14746094, -0.07373047,
         0.27148438,  0.02075195, -0.17578125, -0.15332031, -0.00291443,
        -0.2734375 , -0.18945312,  0.13769531, -0.14453125, -0.22363281,
        -0.2265625 ,  0.13183594,  0.05932617,  0.11230469,  0.16796875,
         0.04858398,  0.04003906, -0.03344727, -0.36914062, -0.17773438,
         0.03662109,  0.18261719, -0.02124023, -0.11669922,  0.22558594,
         0.03979492, -0.08349609, -0.02331543, -0.09326172, -0.11523438,
        -0.10351562,  0.04150391,  0.05615234, -0.13867188, -0.01483154,
        -0.03491211,  0.16308594,  0.30859375, -0.01904297,  0.24902344,
         0.11328125, -0.19433594, -0.20996094,  0.10253906,  0.00337219,
         0.04418945,  0.05688477, -0.12890625,  0.36132812,  0.15136719,
        -0.34179688, -0.29492188,  0.14453125,  0.10791016, -0.09472656,
        -0.14550781,  0.02294922, -0.00308228,  0.38085938,  0.07421875],
       dtype=float32),
 'enhancing': array([-0.3203125 ,  0.25585938, -0.0043335 , -0.12890625, -
0.07275391,
         0.18554688, -0.03564453, -0.10449219, -0.04321289,  0.06176758,
        -0.18652344, -0.38867188,  0.13085938,  0.37304688,  0.01397705,
        -0.375     , -0.10449219,  0.22949219, -0.00946045,  0.07373047,
         0.08496094, -0.24316406, -0.40234375,  0.05419922, -0.01135254,
        -0.04638672, -0.10595703,  0.25      , -0.02636719, -0.0234375 ,
        -0.01318359, -0.46679688, -0.07910156,  0.15039062,  0.06835938,
        -0.03979492,  0.0625    , -0.1328125 ,  0.30859375,  0.0402832 ,
        -0.22753906,  0.16894531,  0.06884766,  0.16992188, -0.15527344,
        -0.52734375,  0.09765625,  0.1796875 ,  0.33984375, -0.04296875,
         0.13183594,  0.16113281,  0.04516602, -0.10205078,  0.08642578,
         0.18164062, -0.359375  , -0.234375  ,  0.26953125, -0.20605469,
        -0.17089844,  0.1875    , -0.02099609,  0.06298828,  0.11523438,
         0.34765625, -0.28125   ,  0.13085938,  0.02416992, -0.10351562,
        -0.21972656,  0.125     , -0.07128906,  0.21972656, -0.05615234,
        -0.48242188,  0.12451172, -0.03149414,  0.12011719,  0.19042969,
        -0.06030273, -0.14550781, -0.06591797,  0.0480957 ,  0.13574219,
         0.04199219, -0.28710938,  0.1484375 , -0.13769531,  0.34179688,
         0.22949219, -0.13769531, -0.04077148, -0.11962891, -0.15722656,
        -0.07763672,  0.10742188,  0.04321289, -0.33203125,  0.04003906,
        -0.03320312, -0.15234375,  0.09472656,  0.02612305, -0.07568359,
         0.22363281, -0.00836182, -0.05175781,  0.05932617, -0.27539062,
        -0.08154297,  0.12988281, -0.07861328,  0.19824219,  0.23144531,
         0.12597656, -0.03808594, -0.0612793 ,  0.21679688, -0.13671875,
         0.1640625 ,  0.03271484, -0.13183594,  0.296875  , -0.19433594,
        -0.16210938, -0.20507812,  0.07470703, -0.00537109,  0.23535156,
         0.08105469,  0.2265625 , -0.25195312,  0.00153351, -0.15527344,
        -0.09521484,  0.13574219, -0.06152344, -0.01092529,  0.08935547,
         0.12695312,  0.01794434, -0.28320312,  0.07910156, -0.02331543,
        -0.21289062, -0.13085938, -0.23828125,  0.28710938, -0.12890625,
        -0.13671875,  0.07519531, -0.15625   , -0.09863281,  0.06152344,
         0.05981445,  0.0324707 ,  0.05273438, -0.1953125 , -0.07177734,
         0.046875  , -0.11816406,  0.00396729,  0.18945312, -0.02746582,
         0.23632812, -0.07958984,  0.03039551,  0.08300781, -0.25390625,
         0.05102539, -0.02612305, -0.09912109,  0.07373047,  0.06982422,
         0.06176758,  0.05029297, -0.16308594, -0.27929688, -0.01446533,
        -0.29101562, -0.12695312,  0.12988281, -0.16210938, -0.4140625 ,
        -0.01123047, -0.13183594,  0.05981445, -0.05883789, -0.17480469,
        -0.25585938, -0.06787109,  0.17480469, -0.09130859, -0.04638672,
        -0.16210938,  0.0177002 ,  0.02661133,  0.30664062,  0.04223633,
        -0.01916504,  0.02404785, -0.03076172, -0.29882812, -0.11181641,
        -0.07763672,  0.00421143, -0.01904297, -0.26367188,  0.08496094,
         0.05615234, -0.13378906, -0.19726562,  0.22167969,  0.13671875,
```

```
        -0.00198364,  0.00738525, -0.06347656, -0.08007812,  0.11083984,
         0.03735352,  0.03881836,  0.0078125 ,  0.20703125, -0.16113281,
         0.14160156, -0.22265625, -0.06298828, -0.15527344,  0.01190186,
        -0.20507812, -0.06445312, -0.00811768,  0.20410156, -0.15625   ,
        -0.18847656, -0.1484375 , -0.02978516, -0.05908203, -0.05664062,
        -0.08349609,  0.13769531, -0.06787109,  0.12890625,  0.13085938,
        -0.27148438, -0.23242188,  0.14941406, -0.24902344, -0.1640625 ,
        -0.08251953,  0.140625  ,  0.00150299,  0.07617188, -0.13867188,
        -0.18457031, -0.06835938,  0.04248047, -0.2734375 ,  0.01745605,
         0.16308594, -0.10498047,  0.08007812,  0.09326172,  0.27539062,
         0.03173828,  0.01403809, -0.15527344, -0.1796875 , -0.28515625,
        -0.15527344,  0.21679688, -0.23535156, -0.21191406,  0.04833984,
        -0.02062988, -0.00732422,  0.11035156, -0.30859375,  0.25195312,
        -0.02368164,  0.02355957, -0.15820312, -0.00402832, -0.08251953,
         0.14160156, -0.07177734, -0.09375   ,  0.35742188,  0.00585938,
        -0.109375  ,  0.19042969, -0.13671875, -0.13378906, -0.15039062,
         0.10791016, -0.02685547, -0.16894531,  0.04394531,  0.11523438],
       dtype=float32),
 'overall': array([-0.02868652,  0.28125   , -0.05175781, -0.04321289, -0.0
8691406,
        -0.07958984,  0.01464844, -0.1953125 ,  0.17773438,  0.26367188,
        -0.24316406, -0.02636719,  0.07177734,  0.02587891, -0.03344727,
        -0.11132812,  0.01672363, -0.10595703, -0.11669922, -0.10107422,
        -0.16503906,  0.14453125, -0.20605469,  0.03930664, -0.06347656,
        -0.09716797, -0.38671875,  0.09277344, -0.09912109,  0.12109375,
        -0.08984375, -0.12890625,  0.04736328,  0.03588867,  0.21972656,
         0.03710938, -0.09521484, -0.03808594,  0.02819824,  0.203125  ,
         0.04907227, -0.10595703,  0.01245117,  0.37304688,  0.14355469,
         0.08154297,  0.11132812, -0.0123291 ,  0.12060547,  0.0480957 ,
         0.16699219,  0.06982422,  0.10693359, -0.11474609,  0.03710938,
        -0.02209473, -0.03173828,  0.0402832 ,  0.23339844,  0.00209045,
         0.05761719,  0.20019531, -0.14941406, -0.125     ,  0.13769531,
        -0.03173828, -0.06884766,  0.10742188,  0.13867188,  0.19628906,
        -0.04663086, -0.18554688,  0.23925781, -0.0035553 , -0.20117188,
        -0.21289062,  0.14941406,  0.08398438,  0.11230469,  0.00457764,
         0.05126953, -0.23535156, -0.19726562,  0.07226562, -0.10302734,
        -0.1328125 , -0.17382812,  0.31054688, -0.05102539,  0.13476562,
         0.13671875, -0.08007812, -0.14550781, -0.19335938,  0.09033203,
        -0.0067749 , -0.14941406, -0.01953125, -0.20800781,  0.01409912,
         0.23242188,  0.02111816, -0.02990723, -0.11230469, -0.01086426,
        -0.03173828, -0.09033203, -0.14257812, -0.26171875, -0.03100586,
         0.08203125, -0.00073242, -0.11083984, -0.16699219,  0.15039062,
         0.02160645,  0.11376953, -0.171875  ,  0.125     ,  0.10351562,
        -0.27734375,  0.12988281, -0.00686646,  0.15722656, -0.02746582,
        -0.11132812, -0.09228516, -0.27539062, -0.13085938,  0.35351562,
        -0.02050781,  0.06982422, -0.0612793 ,  0.015625  , -0.08496094,
        -0.0612793 ,  0.11621094,  0.03564453,  0.03442383,  0.0135498 ,
        -0.11425781,  0.07177734, -0.10693359,  0.06494141, -0.265625  ,
        -0.12207031,  0.05541992,  0.07958984, -0.046875  ,  0.15429688,
        -0.00302124,  0.11865234, -0.25      ,  0.18847656, -0.18359375,
        -0.00866699,  0.14160156,  0.02697754, -0.1796875 ,  0.01031494,
        -0.17773438, -0.02966309,  0.06445312, -0.03442383, -0.05224609,
         0.09179688, -0.12695312, -0.0057373 ,  0.00732422, -0.02026367,
        -0.02050781, -0.06054688,  0.08789062, -0.03149414, -0.07519531,
         0.19824219,  0.32226562, -0.1328125 , -0.00958252, -0.04882812,
        -0.04858398, -0.12695312,  0.20996094,  0.00482178, -0.16699219,
        -0.19335938, -0.11279297,  0.19238281, -0.03662109,  0.02648926,
         0.21972656, -0.12890625, -0.1484375 , -0.08251953, -0.09765625,
        -0.09472656,  0.12695312,  0.02783203,  0.04956055, -0.20800781,
        -0.09814453,  0.15136719,  0.17285156, -0.05200195,  0.03442383,
         0.00765991, -0.08300781,  0.00418091, -0.01489258, -0.07128906,
         0.06005859, -0.00982666, -0.13085938,  0.15722656, -0.21386719,
        -0.14746094,  0.11181641,  0.01281738,  0.14453125, -0.03320312,
        -0.07519531,  0.19140625,  0.12988281, -0.12695312, -0.20214844,
```

```
        -0.14355469,  0.09375   , -0.24609375,  0.11474609,  0.11865234,
        -0.00521851,  0.05444336,  0.06494141,  0.13671875, -0.296875  ,
         0.06591797, -0.11572266, -0.16210938,  0.13085938, -0.171875  ,
        -0.18359375,  0.07080078,  0.13769531, -0.14257812, -0.17382812,
        -0.16894531, -0.05029297, -0.02197266, -0.28125   , -0.10839844,
        -0.16699219, -0.11816406, -0.05517578,  0.02734375, -0.06835938,
        -0.12304688,  0.09814453,  0.08886719,  0.03540039, -0.00860596,
         0.04296875,  0.03393555, -0.01623535,  0.02026367,  0.203125  ,
         0.18457031, -0.13671875,  0.02746582, -0.0625    ,  0.01647949,
         0.01965332,  0.02075195, -0.03881836, -0.26953125, -0.12304688,
        -0.03369141,  0.0480957 , -0.203125  , -0.06933594,  0.26171875,
         0.21484375, -0.23046875, -0.04296875, -0.04858398, -0.26171875,
         0.07080078, -0.00866699, -0.00921631,  0.10351562, -0.13183594,
        -0.12890625,  0.05126953,  0.05761719, -0.13476562, -0.06054688,
         0.08007812, -0.02172852, -0.03955078,  0.07226562, -0.12890625],
       dtype=float32),
 'become': array([-1.41601562e-01,  6.73828125e-02, -2.96875000e-01,  1.533
20312e-01,
        -1.76757812e-01,  2.00195312e-02,  1.40625000e-01,  6.80541992e-03,
         5.15136719e-02,  1.07421875e-02,  1.39648438e-01, -1.33666992e-02,
         2.53906250e-01,  3.16406250e-01,  1.48437500e-01,  4.80957031e-02,
         2.60009766e-02,  1.20117188e-01,  1.06933594e-01, -1.26953125e-02,
        -2.79541016e-02,  1.70898438e-02,  3.33984375e-01,  1.42578125e-01,
         1.22680664e-02, -3.90625000e-02, -1.30859375e-01,  3.27148438e-02,
         1.58691406e-02, -1.25732422e-02,  2.63671875e-01,  4.32128906e-02,
        -1.06445312e-01, -7.17773438e-02,  5.44433594e-02,  5.46875000e-02,
         4.39453125e-02,  6.73828125e-02,  2.85156250e-01,  5.39550781e-02,
         1.36718750e-01, -1.28906250e-01, -6.68945312e-02, -9.13085938e-02,
         9.61914062e-02, -4.68750000e-02,  8.05664062e-02,  1.51367188e-01,
         9.81445312e-02,  1.49414062e-01,  4.32128906e-02,  6.54296875e-02,
         6.34765625e-02, -2.22656250e-01, -1.51977539e-02,  1.66992188e-01,
         2.81982422e-02, -1.90429688e-01,  3.44238281e-02,  2.03125000e-01,
         4.05273438e-02,  6.17675781e-02,  7.51953125e-02,  1.38671875e-01,
        -3.57421875e-01,  1.32812500e-01, -6.05468750e-02,  1.45507812e-01,
        -1.96289062e-01, -1.53198242e-02,  7.86132812e-02,  1.05957031e-01,
         2.96630859e-02,  1.78222656e-02,  1.70898438e-02, -2.79296875e-01,
         1.38671875e-01,  5.00488281e-02,  1.07421875e-01,  2.00195312e-01,
         2.23632812e-01, -2.89062500e-01,  3.32031250e-01, -2.81982422e-02,
        -1.07910156e-01,  7.03125000e-02, -6.05468750e-02,  4.94384766e-03,
         2.49023438e-01, -2.38281250e-01,  1.56250000e-01, -2.81250000e-01,
        -1.43554688e-01, -2.10937500e-01, -1.31835938e-01, -1.24023438e-01,
        -3.02734375e-02,  7.95898438e-02,  2.05078125e-01,  1.17797852e-02,
        -1.40625000e-01, -3.34472656e-02, -2.02148438e-01,  1.65039062e-01,
        -4.88281250e-02, -2.72216797e-02,  2.60009766e-02, -1.15722656e-01,
        -2.28515625e-01,  1.09375000e-01, -9.66796875e-02, -9.91210938e-02,
         5.07812500e-02, -2.89306641e-02,  2.15820312e-01,  3.66210938e-02,
         1.57470703e-02, -8.34960938e-02,  4.12109375e-01, -1.24023438e-01,
         4.15039062e-02, -8.34960938e-02,  4.42504883e-03,  2.03125000e-01,
         3.29589844e-03,  1.43554688e-01,  5.90820312e-02, -1.65039062e-01,
         8.74023438e-02,  1.00097656e-01,  3.45703125e-01, -5.73730469e-02,
         7.61718750e-02,  4.12597656e-02,  4.32128906e-02,  1.54876709e-03,
         1.86920166e-03, -2.08984375e-01, -1.27929688e-01, -1.12792969e-01,
         7.76367188e-02, -1.32812500e-01, -6.59179688e-02,  8.30078125e-02,
         2.33398438e-01, -6.07910156e-02,  1.05468750e-01, -5.66406250e-02,
        -3.95507812e-02,  4.90722656e-02, -6.59179688e-02, -7.81250000e-02,
        -6.98242188e-02, -1.31835938e-01, -1.67236328e-02, -9.42382812e-02,
         1.88827515e-04, -2.28515625e-01,  1.00097656e-02, -3.41796875e-01,
         1.95312500e-01,  1.79687500e-01, -1.95312500e-01, -2.75390625e-01,
        -7.66601562e-02, -7.42187500e-02, -1.68457031e-02, -1.48437500e-01,
        -1.98974609e-02,  1.53198242e-02, -2.61718750e-01, -7.03125000e-02,
         2.86102295e-04, -8.20312500e-02,  7.51953125e-02,  5.88378906e-02,
        -7.17773438e-02, -2.42187500e-01,  5.83496094e-02,  9.76562500e-02,
         1.50390625e-01, -8.69140625e-02,  4.73632812e-02,  1.17675781e-01,
        -5.07812500e-02,  1.03027344e-01, -8.69140625e-02, -5.95703125e-02,
```

```
         1.12304688e-01,  2.89062500e-01,  1.10351562e-01,  3.01513672e-02,
         1.79443359e-02, -5.56640625e-02, -6.88476562e-02,  5.61523438e-02,
        -9.76562500e-02, -3.36914062e-02, -1.05468750e-01, -3.41796875e-02,
        -8.10546875e-02, -2.70996094e-02,  3.83300781e-02, -8.49609375e-02,
        -1.25976562e-01, -6.83593750e-02,  5.20019531e-02, -6.73828125e-02,
         8.00781250e-02, -1.31835938e-01, -6.19506836e-03, -2.13623047e-02,
         3.14453125e-01,  1.70898438e-01, -8.34960938e-02, -1.28173828e-02,
         7.76367188e-02, -1.57226562e-01, -7.12890625e-02, -6.05468750e-02,
        -1.19628906e-01, -8.74023438e-02, -1.72851562e-01,  1.44531250e-01,
         3.26171875e-01, -4.15039062e-02,  2.12402344e-02,  1.81884766e-02,
         3.73535156e-02, -1.74804688e-01, -2.39257812e-02, -2.57568359e-02,
         2.18750000e-01, -9.47265625e-02,  2.51953125e-01,  3.14941406e-02,
         1.51824951e-03, -3.00781250e-01,  2.02636719e-02,  5.61523438e-03,
        -1.70898438e-02, -1.37695312e-01,  4.46777344e-02, -7.65991211e-03,
         4.88281250e-02, -1.01562500e-01,  1.51367188e-01, -8.05664062e-02,
        -1.25976562e-01, -1.95312500e-01,  8.00781250e-02, -2.12890625e-01,
         2.21679688e-01,  2.20703125e-01, -9.13085938e-02,  2.73437500e-01,
        -2.81982422e-02,  1.08886719e-01, -9.81445312e-02, -2.30712891e-02,
         1.58203125e-01, -2.19726562e-01, -7.86132812e-02,  2.73437500e-01,
         1.18652344e-01,  3.10546875e-01,  9.66796875e-02, -7.22656250e-02,
        -1.71875000e-01,  8.78906250e-03,  7.56835938e-02,  3.32031250e-02,
        -5.78613281e-02,  1.01562500e-01, -5.29785156e-02, -9.66796875e-02,
        -4.19921875e-01, -1.63085938e-01, -1.79443359e-02, -1.37695312e-01,
         1.86523438e-01,  8.72802734e-03,  1.23535156e-01, -8.05664062e-02,
         7.71484375e-02,  1.43554688e-01, -3.26171875e-01, -1.16699219e-01,
         5.07812500e-02,  1.44531250e-01, -2.36511230e-03,  3.12500000e-02,
         9.03320312e-02, -3.58886719e-02,  2.12097168e-03, -1.31835938e-01,
         1.12304688e-01, -6.83593750e-02,  3.02734375e-01,  2.90527344e-0
2],
       dtype=float32),
 'champion': array([ 0.05566406,  0.10644531,  0.22363281, -0.02966309,  0.
23828125,
        -0.12597656, -0.14453125,  0.05908203,  0.06640625,  0.27929688,
        -0.04760742,  0.09814453, -0.34375   , -0.21191406,  0.02368164,
         0.3046875 ,  0.1171875 ,  0.20019531,  0.12011719, -0.15136719,
         0.04907227,  0.5234375 , -0.01574707, -0.03466797, -0.06152344,
        -0.24804688, -0.38867188,  0.09570312,  0.00631714, -0.31054688,
        -0.04882812,  0.06542969,  0.13085938,  0.1875    ,  0.09179688,
         0.12451172,  0.02539062,  0.1875    , -0.09667969,  0.38867188,
         0.10986328, -0.26757812,  0.12988281,  0.40039062,  0.13183594,
        -0.08007812, -0.04443359,  0.15917969,  0.21289062,  0.17089844,
        -0.01867676,  0.24121094, -0.24902344, -0.04101562, -0.23730469,
         0.01794434,  0.00552368, -0.25195312, -0.05322266, -0.27929688,
        -0.03759766, -0.07324219, -0.01672363, -0.15625   ,  0.0133667 ,
        -0.03320312,  0.34570312,  0.25195312, -0.08447266,  0.125     ,
         0.10449219, -0.13183594,  0.00270081,  0.11474609, -0.1484375 ,
        -0.17675781, -0.16210938, -0.17382812,  0.0559082 , -0.21484375,
         0.12890625,  0.27734375, -0.08544922,  0.11328125, -0.01153564,
        -0.13378906, -0.04443359, -0.13476562,  0.14160156,  0.31054688,
        -0.17089844,  0.05517578,  0.03979492,  0.05395508, -0.22460938,
        -0.13671875, -0.10791016,  0.04223633, -0.17382812, -0.10888672,
        -0.12597656,  0.04467773,  0.0480957 , -0.15722656, -0.15429688,
         0.02246094, -0.16601562,  0.00454712, -0.08447266,  0.14746094,
         0.19042969,  0.20117188, -0.07080078,  0.03540039,  0.07373047,
         0.23535156, -0.20117188,  0.15625   ,  0.0213623 , -0.03393555,
         0.046875  ,  0.10644531, -0.01434326, -0.08740234, -0.11132812,
        -0.27148438,  0.07324219,  0.09765625, -0.16113281,  0.19628906,
        -0.11523438, -0.12451172,  0.15039062,  0.05151367, -0.16015625,
        -0.09716797, -0.12402344,  0.37695312, -0.00104523,  0.26171875,
        -0.14355469, -0.12304688,  0.28125   , -0.18945312, -0.13085938,
         0.19335938, -0.06005859, -0.015625  , -0.1484375 , -0.0133667 ,
        -0.10058594,  0.09277344,  0.03491211, -0.05004883, -0.05932617,
         0.03564453, -0.07421875, -0.24609375, -0.08251953, -0.28515625,
        -0.09570312,  0.30664062,  0.48828125, -0.10253906, -0.21875   ,
```

```
        -0.05834961,  0.05981445, -0.20605469,  0.09375   ,  0.33789062,
         0.18457031, -0.09570312,  0.04174805, -0.02148438, -0.08837891,
         0.18261719,  0.25      , -0.0456543 ,  0.1328125 , -0.07324219,
        -0.18652344, -0.05786133, -0.09912109, -0.07763672, -0.04785156,
         0.00534058, -0.06933594,  0.23632812,  0.10449219, -0.02929688,
         0.23046875, -0.24707031,  0.05322266,  0.17871094,  0.15917969,
        -0.09423828, -0.08300781,  0.16015625,  0.03686523, -0.19140625,
        -0.04736328,  0.12792969,  0.11279297,  0.00970459, -0.39648438,
        -0.26171875, -0.01660156,  0.15136719,  0.00382996, -0.13769531,
        -0.15820312, -0.09228516,  0.35351562,  0.19335938, -0.2109375 ,
        -0.02172852,  0.01049805, -0.25      , -0.03125   ,  0.08154297,
        -0.12255859, -0.01098633,  0.3125    , -0.07470703,  0.22070312,
        -0.08203125,  0.07910156, -0.24804688,  0.265625  ,  0.17578125,
        -0.328125  , -0.26367188, -0.23046875,  0.00704956, -0.02844238,
        -0.04589844,  0.09863281, -0.0324707 ,  0.05517578, -0.24121094,
         0.10839844, -0.14257812,  0.07275391, -0.01831055, -0.05712891,
         0.12402344, -0.08740234,  0.01708984,  0.10742188, -0.30664062,
         0.20703125, -0.0480957 , -0.11621094, -0.29492188, -0.140625  ,
         0.17089844,  0.10693359, -0.21386719, -0.515625  , -0.02001953,
         0.11083984,  0.38867188,  0.03417969, -0.05419922,  0.38476562,
         0.00154877,  0.25      ,  0.26757812,  0.07421875,  0.33398438,
        -0.23828125,  0.3203125 , -0.34179688,  0.12988281, -0.17089844,
        -0.04614258, -0.32226562, -0.28125   , -0.296875  ,  0.02294922,
         0.41015625,  0.07177734,  0.22753906, -0.12890625, -0.12060547,
        -0.046875  , -0.12402344,  0.04541016,  0.05541992, -0.09814453,
         0.0234375 , -0.24023438, -0.03320312, -0.32421875, -0.08642578,
        -0.18261719,  0.04956055, -0.1328125 ,  0.18554688, -0.02307129],
       dtype=float32),
 'efficiency': array([ 0.00585938,  0.33984375,  0.09667969, -0.12451172,
0.02783203,
         0.20410156,  0.15429688, -0.16503906,  0.4140625 ,  0.36914062,
        -0.10498047, -0.05444336,  0.16992188,  0.3203125 , -0.11035156,
        -0.11230469, -0.07080078, -0.04150391, -0.11767578,  0.25976562,
         0.11523438, -0.1484375 , -0.10351562,  0.37890625, -0.1796875 ,
         0.10595703, -0.12451172, -0.0378418 , -0.0456543 ,  0.0703125 ,
         0.07275391, -0.09912109, -0.02905273, -0.0090332 ,  0.06542969,
        -0.16015625,  0.14453125,  0.0378418 ,  0.24121094,  0.16210938,
        -0.04296875, -0.13183594, -0.08056641,  0.23046875, -0.04125977,
        -0.14648438, -0.19238281,  0.17382812, -0.03173828,  0.04223633,
         0.00631714,  0.171875  ,  0.001297  , -0.01586914, -0.00090027,
        -0.06152344, -0.11376953, -0.10400391,  0.17578125,  0.140625  ,
        -0.07910156, -0.00408936, -0.5234375 , -0.07421875,  0.359375  ,
         0.06494141, -0.07666016,  0.17285156, -0.09082031,  0.11621094,
        -0.09570312, -0.15917969,  0.20996094, -0.12207031, -0.31054688,
        -0.33984375,  0.10986328,  0.15625   , -0.13183594,  0.00872803,
         0.06835938,  0.22167969, -0.19921875, -0.10400391,  0.41601562,
         0.12402344, -0.01757812,  0.2578125 ,  0.01000977,  0.06030273,
         0.13769531,  0.00512695, -0.19628906, -0.07421875, -0.01239014,
        -0.13671875, -0.28320312,  0.05517578, -0.04394531,  0.00817871,
         0.18066406, -0.16308594,  0.03808594,  0.06396484,  0.20410156,
        -0.12890625, -0.31445312,  0.2890625 , -0.10253906, -0.13574219,
         0.13476562,  0.15429688, -0.2890625 ,  0.3359375 ,  0.07861328,
         0.14648438,  0.11621094, -0.26757812,  0.04248047, -0.06494141,
        -0.17089844, -0.01300049, -0.06054688,  0.06298828,  0.00692749,
         0.11865234,  0.04907227,  0.20214844,  0.02282715,  0.07080078,
         0.06298828,  0.15332031,  0.14160156, -0.1015625 ,  0.10839844,
         0.08300781,  0.01544189, -0.10302734, -0.12255859,  0.13671875,
         0.04394531, -0.13183594, -0.21875   ,  0.26757812, -0.05786133,
         0.01318359,  0.05883789,  0.03198242,  0.21777344, -0.04394531,
        -0.1484375 ,  0.015625  , -0.13964844,  0.19042969,  0.08447266,
        -0.01000977,  0.34765625,  0.00323486, -0.1328125 , -0.4375    ,
        -0.20703125,  0.10205078,  0.00793457,  0.26171875, -0.1796875 ,
         0.04907227, -0.2578125 ,  0.06079102,  0.19042969, -0.04248047,
        -0.0859375 , -0.22851562, -0.12158203,  0.03466797, -0.12060547,
```

```
        -0.08349609,  0.12158203, -0.13476562, -0.28710938, -0.19042969,
        -0.3203125 ,  0.06396484,  0.12060547,  0.09619141,  0.00570679,
        -0.16992188,  0.07519531, -0.10986328, -0.08007812, -0.04956055,
        -0.00141907, -0.0625    ,  0.09716797,  0.13476562, -0.08447266,
         0.04516602,  0.18554688, -0.13574219,  0.12011719, -0.18945312,
        -0.10009766,  0.0625    ,  0.12060547,  0.15820312, -0.06787109,
         0.09912109, -0.06884766, -0.05126953, -0.01123047, -0.00836182,
        -0.07714844, -0.22753906,  0.17773438,  0.10888672, -0.06396484,
         0.04003906,  0.25976562,  0.3125    , -0.38867188,  0.12304688,
        -0.140625  , -0.14746094,  0.0402832 ,  0.09863281, -0.43164062,
        -0.05395508,  0.01647949,  0.14355469, -0.05859375, -0.13671875,
        -0.17089844,  0.22070312,  0.11230469,  0.10742188, -0.39257812,
         0.05517578, -0.10644531,  0.15917969,  0.203125  ,  0.006073  ,
        -0.17773438, -0.00823975, -0.05395508, -0.04516602,  0.02783203,
        -0.05273438, -0.18945312,  0.10644531, -0.1875    , -0.296875  ,
        -0.18847656,  0.03295898,  0.15625   ,  0.27929688,  0.09716797,
        -0.05639648,  0.26367188,  0.09472656,  0.03393555,  0.13085938,
         0.296875  ,  0.04516602, -0.15722656, -0.09082031,  0.18847656,
        -0.08691406,  0.15136719, -0.18945312, -0.20605469,  0.02758789,
         0.13574219, -0.06103516, -0.19238281, -0.10595703, -0.38085938,
        -0.01574707, -0.03662109, -0.20410156, -0.08251953,  0.09082031,
        -0.10546875,  0.06494141,  0.29101562, -0.171875  , -0.25585938,
        -0.06787109,  0.01403809, -0.05395508,  0.09277344, -0.00320435,
        -0.18164062,  0.09912109, -0.2421875 ,  0.01318359, -0.14941406,
         0.14648438,  0.09228516, -0.02770996,  0.01599121,  0.14453125],
       dtype=float32),
 'focusing': array([ 0.06445312,  0.3671875 ,  0.08300781, -0.04663086, -0.
02954102,
         0.14648438,  0.27539062, -0.296875  , -0.02746582, -0.08496094,
         0.0625    ,  0.03735352,  0.06201172,  0.09033203,  0.06933594,
        -0.09912109, -0.21289062,  0.11865234,  0.1796875 , -0.01757812,
        -0.078125  , -0.046875  , -0.17578125,  0.14160156, -0.04956055,
        -0.05981445,  0.33789062,  0.04858398,  0.17675781, -0.04907227,
         0.06835938, -0.18066406, -0.00592041, -0.140625  ,  0.03222656,
        -0.05834961, -0.07177734,  0.01080322,  0.35351562, -0.10009766,
         0.09863281,  0.26757812, -0.17089844,  0.11865234, -0.01251221,
        -0.16308594,  0.16601562,  0.01696777,  0.13769531,  0.0255127 ,
         0.296875  , -0.0546875 , -0.03808594,  0.05322266,  0.00192261,
         0.14160156, -0.05371094, -0.22167969,  0.23144531, -0.25390625,
        -0.00061798,  0.10839844, -0.1171875 ,  0.04785156,  0.43164062,
         0.03515625, -0.2109375 ,  0.09667969, -0.02990723, -0.07226562,
        -0.19628906,  0.05908203,  0.10595703,  0.17285156,  0.02844238,
        -0.16210938,  0.20507812,  0.11425781, -0.01422119,  0.03588867,
        -0.16796875,  0.0402832 ,  0.21582031, -0.01672363,  0.0546875 ,
        -0.3046875 ,  0.11132812,  0.01708984,  0.17089844,  0.17382812,
         0.25976562, -0.2734375 ,  0.04907227,  0.16503906, -0.03930664,
         0.11572266,  0.01757812, -0.19433594, -0.31445312,  0.10693359,
        -0.17382812, -0.26367188,  0.23339844,  0.11865234,  0.05078125,
        -0.22949219, -0.02099609, -0.11523438,  0.11669922, -0.15332031,
         0.06884766, -0.07128906,  0.01867676,  0.00411987, -0.0050354 ,
        -0.00205994, -0.00524902, -0.08984375,  0.2890625 ,  0.03881836,
        -0.2421875 , -0.07910156, -0.20410156,  0.04125977, -0.12402344,
        -0.19628906,  0.04199219,  0.09570312, -0.21191406, -0.07470703,
         0.24121094, -0.31640625, -0.09375   , -0.0177002 ,  0.03173828,
         0.02575684,  0.13867188,  0.13671875, -0.01586914, -0.03149414,
         0.07177734, -0.12792969,  0.00299072,  0.00897217, -0.0324707 ,
        -0.140625  , -0.18066406, -0.08740234,  0.05639648, -0.03686523,
        -0.21386719,  0.07421875, -0.13574219, -0.02819824, -0.16308594,
         0.05664062, -0.05371094, -0.23730469, -0.08691406,  0.21875   ,
         0.07226562,  0.07617188,  0.06347656, -0.05981445,  0.08496094,
         0.22851562,  0.14257812, -0.1015625 ,  0.09082031, -0.18164062,
        -0.08642578, -0.1953125 ,  0.06640625, -0.11425781,  0.01721191,
        -0.13574219,  0.1796875 , -0.296875  , -0.16015625, -0.0255127 ,
        -0.27539062, -0.15234375,  0.12695312,  0.2734375 , -0.12695312,
```

```
         0.03857422, -0.34179688,  0.06835938,  0.02709961,  0.09765625,
         0.01708984, -0.01867676,  0.07861328, -0.09130859, -0.17480469,
        -0.04321289,  0.08398438,  0.06347656,  0.24902344,  0.09716797,
         0.08935547,  0.01159668, -0.11376953, -0.20214844, -0.16503906,
         0.07666016, -0.08447266, -0.12988281, -0.26367188, -0.20996094,
         0.0402832 ,  0.125     ,  0.00723267, -0.01507568,  0.3125    ,
        -0.24609375,  0.13476562, -0.07617188,  0.13671875, -0.16601562,
        -0.08007812,  0.1875    , -0.20019531,  0.17773438,  0.01556396,
        -0.13574219,  0.02746582,  0.06982422, -0.10839844,  0.18554688,
        -0.05078125, -0.22949219, -0.08203125,  0.23828125, -0.11865234,
        -0.17578125, -0.23144531, -0.05786133, -0.13769531, -0.11914062,
        -0.0402832 ,  0.37695312, -0.16015625,  0.00466919,  0.11474609,
        -0.07861328,  0.10839844,  0.265625  ,  0.0456543 , -0.2578125 ,
        -0.1953125 ,  0.19628906, -0.04370117,  0.04125977,  0.00170898,
         0.10058594, -0.11767578,  0.10839844, -0.05615234, -0.01635742,
        -0.11523438,  0.02172852,  0.25      , -0.13378906,  0.03149414,
         0.07080078,  0.03735352, -0.11669922, -0.23535156,  0.07226562,
        -0.12060547,  0.29882812,  0.04150391,  0.12451172,  0.04223633,
         0.04541016, -0.14453125, -0.05151367, -0.36328125, -0.14746094,
        -0.11816406, -0.23632812, -0.00650024,  0.1328125 , -0.12890625,
         0.06176758, -0.15527344,  0.27734375,  0.25585938, -0.10839844,
        -0.1484375 ,  0.12304688, -0.12890625,  0.00273132, -0.00613403,
        -0.31640625,  0.2734375 ,  0.10693359,  0.26953125,  0.01000977],
       dtype=float32),
 'strategic': array([-0.328125  , -0.11376953, -0.08496094,  0.13378906,
0.02062988,
        -0.24121094,  0.03491211, -0.0402832 ,  0.06982422, -0.14648438,
        -0.06396484, -0.01019287,  0.00927734,  0.38476562, -0.26367188,
        -0.21484375, -0.12402344, -0.04516602, -0.203125  , -0.09570312,
        -0.09619141, -0.06689453, -0.08740234,  0.12255859,  0.07568359,
         0.22070312,  0.05834961, -0.03564453,  0.01696777, -0.09960938,
         0.23339844, -0.03466797, -0.22851562,  0.05639648,  0.00952148,
        -0.10400391,  0.0291748 ,  0.08203125,  0.10253906, -0.27734375,
         0.00946045,  0.22851562,  0.04003906, -0.03686523, -0.10253906,
        -0.20019531,  0.04492188, -0.25390625, -0.0534668 ,  0.265625  ,
        -0.06347656,  0.26757812, -0.15039062,  0.17675781, -0.08935547,
         0.01843262, -0.03637695, -0.05664062,  0.35742188, -0.04638672,
        -0.23925781,  0.2734375 , -0.0145874 ,  0.10107422, -0.22363281,
         0.12158203,  0.15039062,  0.01287842, -0.10351562, -0.14648438,
        -0.10351562,  0.04711914,  0.22167969,  0.03149414, -0.18847656,
        -0.02441406, -0.06933594,  0.23730469, -0.140625  ,  0.10986328,
         0.03466797, -0.00598145, -0.10058594,  0.23144531,  0.23828125,
        -0.23242188, -0.13085938, -0.00982666,  0.02636719,  0.16699219,
         0.13671875, -0.31835938, -0.11767578,  0.15527344, -0.09570312,
        -0.29296875, -0.10742188, -0.1015625 , -0.01446533,  0.19433594,
         0.15625   ,  0.04833984, -0.05859375,  0.20703125,  0.13867188,
         0.02990723, -0.04516602, -0.0246582 ,  0.03271484,  0.01165771,
        -0.07177734, -0.07910156, -0.08984375, -0.07275391,  0.28515625,
         0.08496094, -0.00509644, -0.1171875 ,  0.36132812, -0.21972656,
         0.07421875, -0.08251953, -0.21191406,  0.34960938, -0.3359375 ,
        -0.10693359, -0.04760742, -0.03149414, -0.06054688,  0.19921875,
        -0.23339844,  0.13574219, -0.11035156,  0.07128906,  0.25195312,
         0.08886719,  0.17578125, -0.03881836,  0.18261719,  0.29101562,
         0.03735352,  0.04052734,  0.07958984,  0.14453125, -0.22167969,
         0.07714844, -0.02355957,  0.08691406, -0.06982422,  0.125     ,
         0.10546875,  0.03930664, -0.05810547,  0.08886719, -0.16503906,
        -0.08984375,  0.19140625, -0.05029297, -0.17089844, -0.01031494,
        -0.14257812, -0.16015625,  0.15039062,  0.03613281,  0.1484375 ,
         0.05639648,  0.16699219, -0.28710938,  0.16699219, -0.04907227,
         0.06103516,  0.01263428,  0.203125  , -0.25390625,  0.29101562,
        -0.12207031,  0.11279297, -0.24707031, -0.19140625, -0.25976562,
        -0.2421875 , -0.13476562, -0.07373047, -0.15234375, -0.13085938,
        -0.02648926,  0.24804688,  0.32226562,  0.18457031,  0.03344727,
        -0.30273438, -0.05249023, -0.1015625 , -0.0090332 , -0.28125   ,
```

```
        -0.01953125, -0.17871094, -0.06494141,  0.27539062, -0.1171875 ,
         0.01635742,  0.02490234,  0.07226562,  0.07763672,  0.00233459,
        -0.03417969,  0.109375  , -0.22167969,  0.12792969, -0.05444336,
        -0.14355469,  0.109375  , -0.08007812,  0.27734375,  0.10058594,
        -0.16015625,  0.14355469, -0.03662109,  0.14160156,  0.29882812,
         0.00209045,  0.19042969,  0.04003906, -0.08642578,  0.01538086,
        -0.22363281,  0.06005859,  0.0324707 , -0.02392578, -0.07373047,
        -0.17480469, -0.08349609, -0.03088379, -0.07861328,  0.21679688,
         0.13671875, -0.10986328,  0.13769531, -0.0378418 , -0.13183594,
        -0.19628906,  0.10498047, -0.09033203,  0.1640625 ,  0.17578125,
        -0.05322266, -0.02941895,  0.02893066,  0.06591797,  0.00570679,
        -0.14550781, -0.03515625, -0.08007812,  0.11376953,  0.18945312,
        -0.09521484,  0.12402344, -0.10058594, -0.26757812,  0.04760742,
         0.14257812, -0.17773438,  0.06884766, -0.06494141, -0.04589844,
         0.0859375 , -0.13964844, -0.16699219, -0.38867188,  0.02880859,
        -0.0112915 ,  0.05444336, -0.11914062, -0.16015625, -0.24707031,
         0.17871094,  0.14355469,  0.19628906, -0.09570312,  0.234375  ,
        -0.25976562,  0.06738281,  0.078125  , -0.06787109, -0.10107422,
         0.18847656, -0.09619141,  0.0859375 ,  0.01867676, -0.20019531,
        -0.16308594,  0.05371094, -0.17480469, -0.05566406, -0.14453125,
        -0.09326172,  0.18359375,  0.14160156,  0.08935547,  0.10742188],
       dtype=float32),
 'eye': array([ 1.62109375e-01,  8.64257812e-02, -3.34472656e-02, -2.216796
88e-01,
        -4.45312500e-01,  3.02734375e-01,  1.34765625e-01, -2.21679688e-01,
        -9.57031250e-02,  7.03125000e-02, -4.76074219e-02, -2.98828125e-01,
        -1.31835938e-01, -5.66406250e-02, -7.56835938e-02, -8.34960938e-02,
        -1.25000000e-01,  2.51953125e-01, -1.06933594e-01,  2.70996094e-02,
         1.99218750e-01,  4.54101562e-02,  2.34375000e-01, -4.15039062e-02,
         5.05371094e-02, -7.03125000e-02,  2.36816406e-02,  1.30859375e-01,
         2.10937500e-01,  8.54492188e-02, -3.19824219e-02,  1.75781250e-02,
        -7.42187500e-02, -1.34765625e-01, -7.08007812e-02, -7.71484375e-02,
        -1.81640625e-01, -3.71093750e-02,  2.16064453e-02, -1.89208984e-02,
        -1.64794922e-02, -2.78320312e-02,  8.59375000e-02, -1.00097656e-02,
         2.15530396e-04, -1.19628906e-02,  1.52343750e-01, -4.10156250e-01,
         1.79687500e-01, -1.01074219e-01, -5.37109375e-02,  8.54492188e-02,
        -3.22265625e-02, -1.02539062e-01,  7.22656250e-02,  8.00781250e-02,
         2.15820312e-01, -3.73535156e-02,  2.30468750e-01,  1.70898438e-02,
        -2.26562500e-01, -1.56250000e-01,  3.52859497e-04,  1.07910156e-01,
         5.98144531e-02,  2.09960938e-01, -3.41796875e-02,  1.82617188e-01,
        -5.61523438e-02,  5.83496094e-02, -2.44140625e-01, -2.34375000e-02,
         2.71484375e-01,  1.50390625e-01, -2.34375000e-01,  1.08032227e-02,
         1.08886719e-01,  1.86523438e-01,  1.90429688e-01,  1.18652344e-01,
         6.39648438e-02, -2.49023438e-02, -4.14062500e-01, -2.51953125e-01,
         4.49218750e-02, -9.27734375e-02,  2.50244141e-02, -1.03515625e-01,
         1.87500000e-01, -4.44335938e-02, -4.71191406e-02, -7.61718750e-02,
         8.44726562e-02,  7.51953125e-02, -3.18359375e-01,  2.09960938e-01,
         8.30078125e-02, -1.71875000e-01, -1.60156250e-01,  5.21850586e-03,
        -1.69921875e-01, -3.53515625e-01,  1.68945312e-01, -3.02734375e-01,
         3.10546875e-01, -1.53320312e-01,  2.20703125e-01,  2.65625000e-01,
        -2.24609375e-01, -2.34375000e-01,  4.83398438e-02, -2.11181641e-02,
        -1.26953125e-01, -3.66210938e-02,  6.68945312e-02,  7.81250000e-02,
         1.39160156e-02, -1.78710938e-01, -9.61914062e-02,  5.27954102e-03,
         1.49414062e-01,  3.41796875e-01,  9.96093750e-02,  5.63964844e-02,
        -1.95312500e-01,  4.12597656e-02,  4.90722656e-02,  4.02832031e-02,
         2.16796875e-01,  1.63085938e-01, -3.63281250e-01, -1.41601562e-01,
        -2.96875000e-01, -1.21459961e-02,  1.10351562e-01, -5.93261719e-02,
        -2.91015625e-01,  5.41992188e-02,  2.08984375e-01, -1.45263672e-02,
         2.77343750e-01, -2.23388672e-02, -1.34765625e-01,  2.96875000e-01,
        -1.12915039e-02, -7.47070312e-02,  5.20019531e-02, -1.16699219e-01,
        -7.91015625e-02,  7.95898438e-02, -1.87500000e-01,  1.84570312e-01,
        -4.62890625e-01,  7.08007812e-02, -2.79296875e-01, -2.38281250e-01,
        -1.58203125e-01, -3.16406250e-01,  1.01562500e-01,  2.06054688e-01,
         2.79296875e-01,  2.61718750e-01,  1.68945312e-01, -1.13769531e-01,
```

```
         1.96289062e-01,  4.76074219e-03, -1.99218750e-01, -2.06054688e-01,
        -1.42822266e-02, -1.18164062e-01, -1.33789062e-01,  7.76367188e-02,
        -1.98242188e-01,  9.91210938e-02, -1.57226562e-01, -3.16406250e-01,
         1.83105469e-02, -4.06250000e-01,  3.92578125e-01, -7.71484375e-02,
        -3.12500000e-01, -1.57470703e-02,  4.41406250e-01, -5.46875000e-02,
        -1.99218750e-01,  1.35742188e-01, -1.52343750e-01, -5.73730469e-02,
         5.81054688e-02,  2.30468750e-01, -8.39843750e-02, -1.36718750e-01,
         1.84570312e-01, -1.47460938e-01, -1.87500000e-01,  2.79541016e-02,
         3.39355469e-02,  8.44726562e-02, -2.38281250e-01,  6.01196289e-03,
         1.02539062e-01,  2.50000000e-01, -1.26953125e-01, -1.75781250e-01,
         1.85546875e-01, -2.07031250e-01, -1.14257812e-01, -1.70898438e-01,
         2.32421875e-01, -2.44140625e-01, -2.50000000e-01,  3.59375000e-01,
        -5.39550781e-02,  1.58203125e-01, -6.25000000e-02, -1.20605469e-01,
        -1.91406250e-01,  1.33789062e-01,  5.98144531e-02, -1.97265625e-01,
         2.55126953e-02,  2.13867188e-01, -9.71679688e-02,  6.64062500e-02,
        -1.45507812e-01,  7.03125000e-02,  4.78515625e-02,  2.24609375e-01,
        -1.30859375e-01, -1.23535156e-01,  2.03125000e-01, -1.02050781e-01,
         1.55029297e-02, -1.77001953e-02,  9.66796875e-02, -2.06054688e-01,
        -3.24707031e-02, -7.47070312e-02,  4.63867188e-02, -7.32421875e-02,
         1.37695312e-01,  1.37695312e-01, -9.21630859e-03,  7.03125000e-02,
         1.00097656e-01,  4.19921875e-02, -4.57763672e-04, -3.20312500e-01,
         3.61328125e-01, -6.39648438e-02, -2.31445312e-01, -1.51367188e-01,
        -1.61132812e-02,  1.00585938e-01, -8.60595703e-03,  5.39550781e-02,
        -1.12792969e-01,  1.64062500e-01, -3.59375000e-01,  1.41601562e-01,
        -2.71484375e-01, -5.68847656e-02, -7.32421875e-02,  7.03125000e-02,
         2.30468750e-01,  1.22558594e-01, -6.22558594e-02, -2.34375000e-01,
        -5.63964844e-02,  1.27929688e-01, -1.70898438e-02,  2.75390625e-01,
         5.46875000e-02,  2.34375000e-01,  1.59179688e-01, -1.56250000e-01,
         1.50390625e-01, -1.34765625e-01, -1.72851562e-01,  2.77343750e-01,
         9.27734375e-02,  1.33789062e-01, -8.74023438e-02,  2.57812500e-01,
        -2.34375000e-01,  1.07910156e-01, -8.15429688e-02,  3.12500000e-01,
         3.00781250e-01, -1.92382812e-01,  2.50000000e-01, -2.20947266e-02,
         6.13403320e-03, -5.15136719e-02,  2.03125000e-01, -6.20117188e-02,
         1.98242188e-01,  7.71484375e-02, -4.44335938e-02,  1.11816406e-0
1],
       dtype=float32),
 'optimization': array([-1.03515625e-01, -1.58203125e-01, -9.81445312e-02,
7.01904297e-03,
        -4.63867188e-02,  1.85546875e-01,  8.10546875e-02, -1.97265625e-01,
         6.98242188e-02,  1.39648438e-01,  8.30078125e-02,  1.20849609e-02,
        -8.64257812e-02,  1.85546875e-01, -1.00097656e-01, -1.27929688e-01,
         1.49414062e-01, -1.11083984e-02, -1.34765625e-01,  2.83203125e-01,
        -3.45703125e-01,  1.49414062e-01, -3.73046875e-01,  4.06250000e-01,
        -5.17578125e-02,  1.16699219e-01, -1.71875000e-01, -9.13085938e-02,
        -1.74560547e-02, -3.32031250e-01, -7.03125000e-02, -6.25000000e-02,
        -1.31835938e-01,  2.46582031e-02, -1.12792969e-01,  5.10253906e-02,
         2.47802734e-02, -1.59179688e-01,  4.76562500e-01, -4.80957031e-02,
        -1.16699219e-01,  1.08398438e-01,  3.35937500e-01,  1.02539062e-01,
        -1.97265625e-01, -2.03125000e-01, -2.71484375e-01, -2.49023438e-02,
         1.50390625e-01,  9.13085938e-02, -2.21679688e-01,  1.01074219e-01,
        -9.08203125e-02, -6.59179688e-02, -2.53906250e-01, -1.68945312e-01,
        -2.15820312e-01, -2.02148438e-01,  4.57031250e-01,  5.88378906e-02,
         3.95507812e-02, -4.44335938e-02, -3.43750000e-01, -1.10839844e-01,
        -8.34960938e-02,  1.79687500e-01,  1.57226562e-01,  1.82617188e-01,
         7.71484375e-02, -1.26953125e-01, -4.33921814e-05,  4.22363281e-02,
         2.59765625e-01,  2.35351562e-01, -2.64892578e-02, -2.91015625e-01,
         3.32031250e-01,  5.22460938e-02, -6.39648438e-02,  1.91650391e-02,
         2.33154297e-02,  3.67187500e-01,  1.39648438e-01, -6.49414062e-02,
         5.35156250e-01, -2.96875000e-01,  1.00097656e-02,  3.26171875e-01,
        -7.56835938e-02, -2.00195312e-02,  3.65234375e-01, -3.08593750e-01,
        -3.20312500e-01,  3.32031250e-01, -3.82812500e-01, -2.46093750e-01,
        -3.78906250e-01, -3.49609375e-01,  5.82885742e-03,  1.50390625e-01,
         1.57226562e-01, -1.07910156e-01, -5.49316406e-02, -1.05957031e-01,
        -1.88476562e-01,  3.56445312e-02, -3.57421875e-01,  3.90625000e-01,
```

```
        -1.00585938e-01, -2.69531250e-01,  1.67236328e-02, -4.41894531e-02,
        -2.65625000e-01,  3.28125000e-01,  8.05664062e-02,  6.07299805e-03,
        -1.32812500e-01, -6.34765625e-02,  3.94531250e-01, -9.81445312e-02,
         2.50244141e-02, -6.68945312e-02, -3.92578125e-01,  9.17968750e-02,
         8.15429688e-02,  1.89453125e-01, -8.20312500e-02,  4.33593750e-01,
         8.88671875e-02,  7.12890625e-02, -1.49414062e-01,  2.29492188e-01,
         5.02929688e-02,  9.03320312e-02, -2.18750000e-01, -6.93359375e-02,
         3.16406250e-01,  3.04687500e-01,  1.96533203e-02,  3.20312500e-01,
         2.67578125e-01, -2.79296875e-01, -2.94921875e-01,  3.39843750e-01,
         6.25610352e-03, -1.24511719e-01, -7.72094727e-03, -7.42187500e-02,
        -6.39648438e-02, -4.55078125e-01,  7.27539062e-02, -1.48437500e-01,
        -6.65283203e-03,  7.91015625e-02,  2.99072266e-02, -2.01171875e-01,
         3.71093750e-01,  3.49609375e-01,  4.54101562e-02, -1.88476562e-01,
        -1.98242188e-01,  2.08740234e-02, -1.75781250e-01,  1.89453125e-01,
         6.78710938e-02,  1.26953125e-01, -3.56445312e-02, -6.68945312e-02,
        -9.08203125e-02, -1.48437500e-01, -2.80761719e-03, -1.13281250e-01,
        -3.49426270e-03,  1.03027344e-01,  8.83789062e-02,  1.23535156e-01,
         1.21093750e-01, -2.67578125e-01, -1.29882812e-01, -1.05468750e-01,
        -1.77734375e-01,  9.47265625e-02,  8.00781250e-02,  1.50390625e-01,
         2.72216797e-02,  3.57055664e-03, -5.17578125e-02,  2.29492188e-01,
         2.15820312e-01,  4.34570312e-02, -3.67187500e-01, -6.98242188e-02,
         1.70898438e-02,  4.58984375e-02, -1.65039062e-01, -5.88378906e-02,
         2.07031250e-01, -4.10156250e-01, -2.24609375e-02, -3.22265625e-01,
         1.18652344e-01,  2.53906250e-02, -2.35351562e-01, -1.01074219e-01,
        -8.69140625e-02,  7.95898438e-02, -2.05039978e-04, -1.04003906e-01,
         1.66015625e-01, -4.71191406e-02,  7.03125000e-02, -4.07714844e-02,
        -2.22656250e-01,  1.57226562e-01, -3.41796875e-02, -1.40625000e-01,
         3.76953125e-01,  5.56640625e-02,  4.27246094e-02, -6.29882812e-02,
        -1.79687500e-01, -1.35742188e-01,  2.06054688e-01, -2.47070312e-01,
        -1.40991211e-02, -2.01416016e-02,  2.29492188e-02, -3.02734375e-01,
         1.44531250e-01, -2.62451172e-02,  7.51953125e-02, -6.49414062e-02,
        -3.18359375e-01,  2.41699219e-02, -5.15625000e-01,  1.94091797e-02,
        -1.58203125e-01, -2.49023438e-02,  2.56347656e-02,  3.90625000e-02,
         5.61523438e-02, -6.98242188e-02, -3.10546875e-01, -3.32031250e-01,
        -1.64794922e-02, -4.06250000e-01, -4.35546875e-01,  5.39062500e-01,
        -3.14453125e-01, -4.37500000e-01,  7.17773438e-02, -1.09375000e-01,
        -1.27929688e-01,  5.39550781e-02, -3.02734375e-02, -1.75781250e-01,
        -9.52148438e-02, -2.73437500e-01, -1.98242188e-01, -1.96289062e-01,
         4.64843750e-01, -2.08984375e-01, -1.18408203e-02, -1.62353516e-02,
         1.71661377e-03, -1.38671875e-01,  1.88476562e-01, -2.37304688e-01,
        -2.77343750e-01, -3.56445312e-02,  1.60217285e-03,  1.00097656e-01,
        -3.51562500e-01, -1.89453125e-01,  8.44726562e-02,  2.30468750e-01,
         1.25976562e-01,  1.95312500e-01, -5.63964844e-02,  6.44531250e-02,
        -2.65625000e-01,  9.03320312e-02,  9.22851562e-02, -8.25195312e-02,
         7.99560547e-03,  4.66308594e-02,  1.81884766e-02,  1.15234375e-01,
         6.29882812e-02, -1.26342773e-02,  4.56542969e-02,  1.55273438e-01,
        -1.81640625e-01,  2.47070312e-01,  2.81250000e-01, -5.24902344e-02,
         1.02050781e-01, -1.17675781e-01,  8.00781250e-02,  1.73828125e-0
1],
       dtype=float32),
 'process': array([ 1.10351562e-01,  2.55859375e-01,  3.41796875e-02, -2.12
402344e-02,
        -2.14843750e-01,  1.55639648e-03,  2.32421875e-01, -7.76367188e-02,
        -2.04101562e-01, -6.77490234e-03, -1.58203125e-01, -3.00781250e-01,
        -7.99560547e-03, -9.96093750e-02, -2.13867188e-01,  1.03515625e-01,
         2.06054688e-01, -2.16796875e-01, -1.32812500e-01, -2.13867188e-01,
        -2.42919922e-02,  1.44531250e-01, -1.24511719e-01,  2.39257812e-01,
         7.17773438e-02, -4.61425781e-02, -1.89453125e-01, -1.90429688e-01,
         6.15234375e-02, -1.47460938e-01,  7.87353516e-03, -9.81445312e-02,
        -1.89453125e-01,  1.24023438e-01,  1.37695312e-01,  1.61132812e-01,
         9.27734375e-02, -1.98242188e-01,  1.98242188e-01, -5.88378906e-02,
         1.64062500e-01, -4.22363281e-02,  5.76171875e-02,  1.04003906e-01,
        -2.04101562e-01, -9.71679688e-02, -2.24609375e-01,  6.64062500e-02,
        -4.66796875e-01,  2.17773438e-01,  1.83593750e-01, -1.79687500e-01,
```

```
       -2.86865234e-02, -1.20605469e-01,  5.51757812e-02,  2.67578125e-01,
        7.08007812e-02, -1.57226562e-01,  1.90429688e-02, -8.00781250e-02,
       -1.91406250e-01,  2.45361328e-02,  1.75781250e-02,  1.22558594e-01,
       -9.64355469e-03,  7.76367188e-02, -1.91650391e-02,  8.20312500e-02,
        4.54101562e-02, -4.10156250e-02, -6.78710938e-02, -1.89971924e-03,
        1.11328125e-01, -1.20117188e-01,  3.93066406e-02, -1.97265625e-01,
        1.54296875e-01, -2.97851562e-02,  2.08007812e-01,  2.83203125e-01,
       -1.19628906e-01, -1.42578125e-01, -4.54711914e-03, -2.35351562e-01,
        3.26171875e-01, -8.64257812e-02, -1.07421875e-01,  3.37890625e-01,
        3.73046875e-01, -1.03515625e-01,  5.54199219e-02,  1.71875000e-01,
        3.83300781e-02,  6.20117188e-02,  9.13085938e-02, -4.10156250e-02,
       -2.51953125e-01, -1.42578125e-01,  8.93554688e-02,  7.32421875e-02,
        2.11181641e-02,  3.17382812e-02, -2.03125000e-01,  1.49414062e-01,
       -2.43164062e-01,  6.64062500e-02, -1.61132812e-01, -4.24804688e-02,
        2.43164062e-01,  6.00585938e-02,  2.04101562e-01,  6.29882812e-02,
        1.22558594e-01,  6.05468750e-02,  1.41601562e-01,  1.50390625e-01,
       -1.04003906e-01,  3.46679688e-02,  2.53906250e-01,  1.50756836e-02,
        2.62451172e-02,  1.57226562e-01,  1.13769531e-01,  1.56250000e-01,
       -1.25976562e-01,  1.96289062e-01, -1.88476562e-01,  1.70898438e-01,
       -1.55273438e-01,  3.06640625e-01,  1.47460938e-01, -8.48388672e-03,
       -1.52343750e-01, -9.66796875e-02,  6.25000000e-02, -1.36718750e-01,
        8.88671875e-02,  4.54101562e-02,  7.56835938e-03, -1.26953125e-01,
        1.18652344e-01, -9.08203125e-02, -1.48437500e-01, -1.94091797e-02,
        3.22265625e-02,  4.30297852e-03, -4.80957031e-02, -4.12597656e-02,
       -1.11328125e-01, -1.33056641e-02,  7.95898438e-02, -5.93261719e-02,
        1.73828125e-01,  3.92578125e-01,  4.46777344e-02, -7.71484375e-02,
       -4.80957031e-02,  4.39453125e-02, -2.94921875e-01, -1.62353516e-02,
       -8.93554688e-02,  1.08886719e-01,  3.78417969e-02,  7.03125000e-02,
       -1.25000000e-01, -2.95410156e-02,  9.47265625e-02, -9.61914062e-02,
        2.79296875e-01,  3.26538086e-03, -6.50024414e-03, -7.08007812e-02,
       -1.49414062e-01,  7.17773438e-02,  7.27539062e-02, -8.59375000e-02,
        1.29882812e-01,  1.01562500e-01, -4.24804688e-02,  1.40625000e-01,
       -2.16796875e-01, -1.15234375e-01,  9.03320312e-02,  1.43432617e-02,
       -4.71191406e-02,  1.73828125e-01,  5.90820312e-02,  2.42187500e-01,
        1.80664062e-01,  9.33837891e-03, -4.56542969e-02, -2.39257812e-02,
       -1.05468750e-01,  4.66308594e-02, -9.13085938e-02, -5.24902344e-02,
       -1.85546875e-01,  3.66210938e-02, -1.22070312e-01, -1.13525391e-02,
        2.45117188e-01,  2.21679688e-01, -1.33789062e-01,  1.54296875e-01,
        3.79562378e-04, -2.92968750e-01,  2.01171875e-01,  3.46679688e-02,
        1.79687500e-01,  6.59179688e-02,  6.34765625e-02,  4.88281250e-02,
       -6.98242188e-02,  9.52148438e-02,  1.24023438e-01, -5.00488281e-02,
       -2.85644531e-02,  3.51562500e-01,  8.44726562e-02,  4.29687500e-02,
        6.44531250e-02, -1.67968750e-01, -3.83300781e-02,  1.36718750e-01,
        9.39941406e-03, -5.93261719e-02,  1.77001953e-02,  4.73632812e-02,
       -1.57470703e-02,  9.47265625e-02,  1.82617188e-01, -1.11816406e-01,
       -1.10839844e-01,  6.59179688e-02, -1.28906250e-01, -1.29882812e-01,
       -8.39843750e-02,  1.22558594e-01,  7.51953125e-02,  7.56835938e-02,
       -3.93066406e-02, -9.47265625e-02, -1.03027344e-01, -5.73730469e-02,
        2.02636719e-02, -7.61718750e-02,  6.19506836e-03,  2.13867188e-01,
        5.61523438e-02,  6.44531250e-02, -5.66406250e-02, -1.86767578e-02,
       -1.91650391e-02, -2.11181641e-02, -4.15039062e-02, -5.27343750e-02,
        2.26562500e-01,  2.55859375e-01,  3.02734375e-02, -3.51562500e-01,
        2.49023438e-01, -3.32031250e-01, -1.46484375e-01, -8.36181641e-03,
        7.32421875e-02,  6.03027344e-02, -7.27539062e-02,  6.20117188e-02,
       -4.55078125e-01, -1.07421875e-01,  1.28906250e-01,  2.07031250e-01,
       -2.77099609e-02,  1.69921875e-01, -3.12500000e-01, -2.49023438e-01,
       -1.09863281e-02,  1.36718750e-01,  9.33837891e-03, -4.73632812e-02,
        6.74438477e-03, -2.18750000e-01,  1.33789062e-01,  1.67968750e-01,
        1.66992188e-01, -6.22558594e-02,  4.57763672e-03, -4.15039062e-02,
        1.04492188e-01,  3.36914062e-02, -1.80664062e-01, -5.15136719e-02,
        1.90429688e-02,  1.84570312e-01, -2.12890625e-01,  2.39257812e-01,
       -3.66210938e-02,  2.15820312e-01, -1.33789062e-01, -6.49414062e-0
2],
      dtype=float32),
```

```
 'transformation': array([-9.08203125e-02,  2.73437500e-01, -2.55859375e-0
1, -4.95605469e-02,
        -2.24609375e-01, -1.37329102e-02, -7.22656250e-02, -3.20312500e-01,
         1.73828125e-01,  3.14453125e-01, -6.34765625e-02, -3.51562500e-02,
        -2.80761719e-03,  1.62109375e-01, -2.30407715e-03,  1.87500000e-01,
        -6.39648438e-02, -4.05273438e-02,  6.44531250e-02, -3.27148438e-02,
        -2.33154297e-02,  5.10253906e-02,  1.61132812e-01, -2.31933594e-02,
         2.14843750e-01,  2.75390625e-01,  3.63159180e-03, -2.09960938e-01,
         1.70898438e-01, -9.96093750e-02, -1.19628906e-01, -1.64062500e-01,
        -1.81640625e-01, -9.09423828e-03,  4.83398438e-02,  1.11328125e-01,
         5.32226562e-02,  1.61132812e-02, -4.54101562e-02, -1.66992188e-01,
        -1.40625000e-01, -7.32421875e-03,  8.69140625e-02,  7.91015625e-02,
         1.06445312e-01, -3.32031250e-01, -1.54296875e-01, -9.61914062e-02,
         1.04492188e-01,  3.12500000e-02, -2.08740234e-02,  6.29882812e-02,
        -1.69921875e-01, -3.90625000e-02,  2.42187500e-01,  1.53320312e-01,
         6.59179688e-02, -2.53906250e-01, -1.58203125e-01,  3.90625000e-02,
        -2.49023438e-01,  2.33398438e-01,  3.63769531e-02, -1.04003906e-01,
         5.17578125e-02,  2.40234375e-01,  1.12304688e-01,  2.61718750e-01,
         7.32421875e-02, -1.73828125e-01, -5.59082031e-02, -4.80957031e-02,
         5.43212891e-03, -8.97216797e-03,  4.35546875e-01, -9.27734375e-02,
         2.79296875e-01,  1.66015625e-01, -2.51953125e-01,  1.18164062e-01,
         2.22656250e-01, -1.40625000e-01, -4.18090820e-03,  2.00195312e-02,
         2.51953125e-01, -6.73828125e-02, -1.40625000e-01,  6.34765625e-02,
         3.14453125e-01, -1.57226562e-01,  6.83593750e-02, -1.66992188e-01,
        -8.44726562e-02,  6.25000000e-02, -7.42187500e-02, -1.91406250e-01,
        -5.10253906e-02,  1.08886719e-01, -5.59082031e-02,  1.11328125e-01,
        -5.21850586e-03,  3.06640625e-01, -2.99072266e-02,  3.49609375e-01,
        -8.98437500e-02, -6.44531250e-02,  5.88378906e-02,  1.28906250e-01,
        -5.85937500e-02,  6.64062500e-02,  1.02539062e-01,  4.27246094e-02,
        -2.19726562e-01,  1.89453125e-01,  2.24609375e-01,  5.93261719e-02,
        -1.49414062e-01, -2.42187500e-01,  4.12109375e-01,  2.19726562e-02,
        -3.56445312e-02, -6.64062500e-02, -1.70898438e-01,  6.98852539e-03,
        -1.99218750e-01,  1.16699219e-01, -7.32421875e-02,  3.59375000e-01,
        -7.32421875e-02,  2.53906250e-01, -1.80664062e-02,  1.50390625e-01,
        -7.42187500e-02, -3.20434570e-03,  2.48046875e-01,  2.91015625e-01,
         1.31835938e-01,  4.69970703e-03, -2.12890625e-01,  4.85839844e-02,
         1.96289062e-01, -3.32031250e-01, -2.55859375e-01,  2.69531250e-01,
         1.92382812e-01, -4.29687500e-02, -9.32617188e-02,  1.58203125e-01,
         6.64062500e-02, -1.86523438e-01,  2.09960938e-01, -2.91015625e-01,
         8.49609375e-02,  3.47656250e-01, -5.27343750e-02,  8.10623169e-05,
        -3.41796875e-03,  8.98437500e-02,  1.44531250e-01, -3.30078125e-01,
         6.82830811e-04,  3.07617188e-02, -1.10839844e-01,  1.56250000e-01,
        -1.72851562e-01,  6.07910156e-02,  3.88671875e-01, -2.79296875e-01,
        -1.64985657e-04,  1.16699219e-01,  1.11328125e-01,  2.34375000e-02,
         2.16796875e-01, -3.34472656e-02,  1.18164062e-01,  5.68847656e-02,
         1.14746094e-01, -1.39648438e-01,  1.90429688e-01, -1.22070312e-01,
        -2.49023438e-01, -1.52343750e-01,  3.32031250e-01, -2.75390625e-01,
        -2.67333984e-02, -1.40991211e-02,  1.11816406e-01,  3.59375000e-01,
        -7.27539062e-02,  6.59179688e-02,  1.48437500e-01, -2.07519531e-02,
         9.27734375e-02,  9.76562500e-02,  5.90820312e-02, -1.04980469e-01,
        -6.03027344e-02,  1.60156250e-01,  4.76074219e-02,  2.86865234e-02,
         1.42578125e-01,  2.49023438e-01,  1.62109375e-01, -5.39550781e-02,
        -8.49609375e-02,  2.13623047e-02,  5.90820312e-02, -1.20605469e-01,
         2.83203125e-01,  7.71484375e-02, -1.44531250e-01, -7.81250000e-02,
        -1.61132812e-01,  3.19824219e-02, -1.57226562e-01, -3.27148438e-02,
         2.63671875e-01, -2.62451172e-02, -8.34960938e-02,  7.20214844e-03,
        -9.22851562e-02,  6.00585938e-02, -1.31835938e-01,  1.25976562e-01,
         4.83398438e-02, -6.68945312e-02,  5.71289062e-02,  6.98852539e-03,
        -3.04687500e-01, -9.03320312e-02,  2.12890625e-01, -2.16796875e-01,
        -9.81445312e-02, -8.05664062e-02,  2.42187500e-01,  3.17382812e-02,
        -8.88671875e-02,  1.75781250e-01,  9.86328125e-02,  3.58886719e-02,
         1.19628906e-01, -1.10351562e-01, -2.49023438e-01, -1.40625000e-01,
         4.34570312e-02, -7.32421875e-02, -3.17382812e-02, -7.47070312e-02,
        -5.07812500e-02,  8.78906250e-02,  1.07421875e-01,  1.06445312e-01,
```

```
         6.39648438e-02,  1.99218750e-01,  1.03515625e-01, -3.58886719e-02,
         2.07519531e-02,  3.61633301e-03, -3.28125000e-01, -7.53784180e-03,
         2.40234375e-01, -2.12890625e-01, -1.09375000e-01,  3.16406250e-01,
         1.73828125e-01, -8.20312500e-02,  2.12890625e-01,  9.76562500e-02,
        -4.72656250e-01,  1.73828125e-01, -8.88671875e-02, -1.55273438e-01,
         1.07910156e-01, -1.90429688e-01, -1.06933594e-01, -8.44726562e-02,
        -2.03125000e-01,  9.86328125e-02, -1.32812500e-01, -8.30078125e-02,
         1.76757812e-01, -4.27246094e-02,  4.44335938e-02,  4.24804688e-02,
        -4.61425781e-02, -9.13085938e-02, -2.84423828e-02, -2.81250000e-01,
         2.55126953e-02, -2.78320312e-02, -4.51171875e-01, -2.79296875e-01,
        -9.86328125e-02, -1.32812500e-01, -1.32812500e-01, -6.17980957e-04,
         3.20312500e-01,  1.91650391e-02,  9.08203125e-02,  5.29785156e-0
2],
       dtype=float32),
 'intelligence': array([ 0.05102539, -0.02783203, -0.02282715,  0.00588989,
-0.29101562,
        -0.00524902, -0.16699219, -0.03637695,  0.12353516,  0.20019531,
         0.21679688, -0.3125    , -0.11376953,  0.19433594,  0.16308594,
         0.234375  , -0.33007812,  0.08496094, -0.04931641, -0.5234375 ,
        -0.28515625, -0.1015625 ,  0.11181641,  0.1015625 ,  0.515625  ,
         0.09472656,  0.11572266, -0.06494141,  0.05249023, -0.19824219,
         0.203125  ,  0.03540039,  0.16308594,  0.13183594, -0.13867188,
        -0.27929688, -0.01544189,  0.20605469, -0.18359375,  0.17773438,
        -0.03833008,  0.01733398, -0.03759766,  0.25390625, -0.01696777,
        -0.00854492, -0.17089844, -0.13574219, -0.20410156,  0.22070312,
         0.08642578, -0.01300049, -0.2734375 ,  0.24511719, -0.16601562,
         0.03588867, -0.07568359,  0.0032196 ,  0.00811768, -0.14160156,
        -0.08935547,  0.20117188,  0.03320312, -0.109375  , -0.34570312,
         0.33398438,  0.01068115,  0.27734375,  0.16894531, -0.15429688,
         0.02905273,  0.09375   ,  0.11962891,  0.02380371, -0.12890625,
        -0.13964844,  0.27539062,  0.15234375,  0.15917969, -0.02270508,
        -0.11181641,  0.11425781,  0.21484375,  0.24511719, -0.12011719,
        -0.14550781,  0.2265625 ,  0.09423828, -0.03320312,  0.18359375,
         0.38671875, -0.26171875,  0.08300781,  0.16210938,  0.23046875,
        -0.140625  , -0.1953125 , -0.18457031,  0.09326172, -0.16699219,
         0.04785156, -0.15625   ,  0.17773438, -0.02709961,  0.19628906,
         0.19433594, -0.234375  ,  0.18359375, -0.06738281, -0.01049805,
        -0.08251953,  0.012146  , -0.04492188,  0.20996094, -0.06225586,
         0.3515625 ,  0.00234985,  0.08251953,  0.515625  , -0.27539062,
        -0.31054688,  0.0020752 ,  0.13671875,  0.03979492,  0.07958984,
        -0.01556396,  0.18066406, -0.25390625, -0.03015137,  0.10253906,
        -0.10693359,  0.04882812,  0.02124023,  0.08935547,  0.296875  ,
        -0.32421875,  0.10791016, -0.25976562,  0.05371094,  0.00662231,
         0.15429688, -0.09472656,  0.0177002 ,  0.16699219, -0.2890625 ,
        -0.13964844,  0.20410156,  0.04858398, -0.18261719,  0.24511719,
        -0.01263428,  0.17089844, -0.2578125 ,  0.43945312, -0.171875  ,
        -0.42773438, -0.22265625, -0.27539062, -0.09228516, -0.04150391,
         0.01818848, -0.17871094, -0.15722656,  0.02075195, -0.18945312,
        -0.03491211,  0.1796875 ,  0.05761719,  0.29296875,  0.16113281,
         0.28320312,  0.10449219, -0.046875  , -0.28515625,  0.02746582,
         0.12109375, -0.05200195, -0.26367188, -0.20898438, -0.19921875,
         0.03662109, -0.10253906, -0.01324463, -0.26953125,  0.04418945,
        -0.01843262,  0.11523438,  0.08886719, -0.03588867,  0.16113281,
        -0.16699219,  0.13378906,  0.06225586, -0.0279541 ,  0.08740234,
         0.09667969,  0.01428223, -0.23339844,  0.17285156,  0.02807617,
        -0.36328125, -0.09960938,  0.01904297,  0.22460938, -0.00075531,
        -0.09521484,  0.19824219, -0.01574707, -0.10205078, -0.19140625,
        -0.26367188, -0.34375   , -0.05004883, -0.16699219, -0.07470703,
         0.28125   ,  0.24707031,  0.36132812, -0.37695312,  0.1171875 ,
        -0.11865234, -0.07421875, -0.09521484, -0.13671875, -0.19042969,
        -0.08691406,  0.17578125,  0.11035156,  0.37695312,  0.09130859,
         0.15527344, -0.3125    , -0.11083984, -0.01977539,  0.06494141,
        -0.31835938,  0.06445312,  0.21289062,  0.16796875, -0.09326172,
        -0.14941406,  0.21191406, -0.00509644,  0.10400391, -0.08154297,
```

```
         0.21972656,  0.04711914, -0.2109375 , -0.14941406,  0.22070312,
        -0.09326172,  0.08251953, -0.0480957 ,  0.31054688,  0.10498047,
         0.328125  , -0.01245117, -0.05981445, -0.3984375 , -0.33203125,
         0.10302734,  0.11669922, -0.12792969,  0.14648438, -0.10986328,
        -0.03759766, -0.48828125, -0.20605469, -0.3125    ,  0.03686523,
        -0.16308594,  0.24121094, -0.09277344, -0.0534668 ,  0.15332031,
         0.18066406,  0.09521484,  0.00236511,  0.18847656,  0.01989746,
        -0.3125    , -0.00915527,  0.01544189, -0.16601562, -0.23144531,
        -0.21875   , -0.05810547,  0.49414062,  0.24316406, -0.01452637,
         0.10888672,  0.234375  , -0.10107422,  0.11523438, -0.06933594,
         0.07910156,  0.12207031, -0.24707031,  0.05249023,  0.19824219],
       dtype=float32),
 'writing': array([ 5.76171875e-02, -4.10156250e-02, -4.56542969e-02,  4.90
722656e-02,
         9.37500000e-02,  1.33789062e-01, -9.71679688e-02,  1.29882812e-01,
         2.83203125e-02, -2.11181641e-02,  3.32031250e-02, -1.01074219e-01,
        -6.73828125e-02,  2.14843750e-02, -2.36328125e-01, -1.21582031e-01,
         1.39648438e-01,  1.65557861e-03,  5.95703125e-02, -2.45117188e-01,
         9.91210938e-02,  1.40625000e-01, -7.71484375e-02, -1.37695312e-01,
         7.56835938e-02, -4.17480469e-02,  2.40234375e-01, -2.45117188e-01,
        -1.12792969e-01,  3.75976562e-02, -2.65625000e-01, -8.93554688e-02,
        -8.39843750e-02,  2.73437500e-01,  6.49414062e-02,  1.90429688e-01,
         1.19018555e-02,  7.22656250e-02,  2.22656250e-01,  8.44726562e-02,
         1.65039062e-01,  3.68652344e-02,  9.81445312e-02,  1.21093750e-01,
        -9.76562500e-03,  2.08984375e-01, -1.30615234e-02, -4.71191406e-02,
        -1.02050781e-01,  3.68652344e-02, -1.47460938e-01, -2.29492188e-01,
        -3.32031250e-02,  8.78906250e-02,  8.78906250e-02,  2.83203125e-01,
        -2.92968750e-02, -2.79296875e-01, -1.08886719e-01, -1.46484375e-01,
         2.63671875e-01, -1.07910156e-01, -7.91015625e-02, -1.21093750e-01,
         1.34765625e-01,  1.04003906e-01, -2.31445312e-01,  2.27539062e-01,
        -7.95898438e-02,  9.42382812e-02,  4.49218750e-02, -7.37304688e-02,
         1.22070312e-01, -3.36914062e-02, -1.96289062e-01, -5.66406250e-02,
         4.44335938e-02,  6.73828125e-02,  2.42919922e-02,  2.63671875e-01,
        -4.58984375e-02, -1.04003906e-01,  1.88476562e-01,  1.57226562e-01,
         7.27539062e-02, -8.59375000e-02, -6.10351562e-02,  1.38671875e-01,
         1.01074219e-01, -1.52343750e-01,  8.25195312e-02, -2.19726562e-01,
         2.68554688e-02, -1.30859375e-01, -3.24707031e-02,  1.89453125e-01,
         1.25000000e-01, -5.73730469e-02, -1.98242188e-01, -1.77734375e-01,
        -1.13281250e-01, -1.59179688e-01,  1.11816406e-01, -2.49023438e-01,
         6.83593750e-02, -7.12890625e-02, -6.93359375e-02,  8.78906250e-03,
         1.33789062e-01, -2.28515625e-01, -1.75781250e-01, -8.00781250e-02,
         6.49414062e-02,  3.90625000e-02,  1.81640625e-01,  1.34887695e-02,
         1.18408203e-02,  8.88671875e-02,  1.40625000e-01,  1.83105469e-02,
         3.56445312e-02, -3.24707031e-02,  5.37109375e-02,  3.51562500e-01,
         6.88476562e-02,  5.65052032e-05, -1.68945312e-01,  3.36914062e-02,
        -4.16015625e-01,  2.24609375e-02, -3.43750000e-01, -3.71093750e-01,
        -3.98437500e-01, -2.73437500e-02, -1.03027344e-01, -1.40380859e-02,
        -2.44140625e-03, -1.44531250e-01,  5.12695312e-02, -1.92871094e-02,
         5.95703125e-02, -8.93554688e-02, -2.36328125e-01, -1.89453125e-01,
        -3.32031250e-02,  4.82177734e-03, -1.92382812e-01, -1.13281250e-01,
        -3.80859375e-02, -1.85546875e-01,  1.54296875e-01,  6.68945312e-02,
         1.29882812e-01,  1.25000000e-01, -7.66601562e-02, -2.51953125e-01,
        -2.34375000e-01, -1.52343750e-01, -1.37695312e-01,  1.37695312e-01,
        -5.32226562e-02,  1.20117188e-01, -2.51953125e-01,  3.22265625e-01,
         5.00488281e-02,  1.29882812e-01,  3.43750000e-01, -2.39257812e-01,
        -1.42578125e-01,  2.18505859e-02,  1.32812500e-01, -1.19628906e-02,
        -7.95898438e-02, -3.78417969e-02, -1.06445312e-01, -1.95312500e-02,
        -2.45361328e-02, -1.04980469e-01, -3.54003906e-02,  7.47070312e-02,
        -6.17675781e-02,  1.03027344e-01, -7.47070312e-02, -6.39648438e-02,
         6.83593750e-02, -6.39648438e-02, -2.92968750e-01, -2.51770020e-04,
         2.32421875e-01, -7.22656250e-02,  7.27539062e-02,  6.78710938e-02,
        -9.17968750e-02,  2.97546387e-03, -2.49023438e-02,  8.54492188e-02,
         2.34375000e-01, -7.17773438e-02,  1.88476562e-01, -1.12792969e-01,
        -2.77343750e-01,  8.78906250e-02, -3.27148438e-02,  1.00097656e-01,
```

```
        -2.75878906e-02, -1.26953125e-01, -2.45117188e-01,  1.37695312e-01,
        -1.47460938e-01, -1.52343750e-01,  1.63085938e-01, -1.25976562e-01,
         9.37500000e-02, -1.05957031e-01, -1.09863281e-02,  7.95898438e-02,
         2.79296875e-01,  1.38671875e-01, -3.63769531e-02, -2.39257812e-01,
         2.53906250e-02,  5.32226562e-02, -8.49609375e-02,  3.12500000e-02,
         2.85156250e-01,  7.81250000e-02,  1.92871094e-02, -2.72216797e-02,
        -9.52148438e-02, -1.73828125e-01,  3.61328125e-02, -2.50000000e-01,
        -2.11914062e-01,  8.85009766e-03, -1.31225586e-02, -2.57812500e-01,
         1.27929688e-01,  6.56127930e-04, -3.41796875e-03, -2.11914062e-01,
         8.39843750e-02, -1.28906250e-01, -1.17187500e-02, -5.81054688e-02,
         2.06054688e-01, -1.11083984e-02,  6.25000000e-02, -7.47680664e-03,
        -2.20703125e-01,  2.66113281e-02,  1.17187500e-01,  1.77734375e-01,
        -4.22363281e-02,  4.08203125e-01,  3.61328125e-02, -4.78515625e-02,
         3.41796875e-02,  1.28906250e-01,  1.75781250e-01,  1.27929688e-01,
        -1.67236328e-02,  4.51660156e-02,  1.81640625e-01, -1.62109375e-01,
        -2.50000000e-01,  3.41796875e-02, -4.34570312e-02, -1.59179688e-01,
        -4.07714844e-02, -2.09960938e-01,  1.70898438e-01,  3.23486328e-03,
         1.46484375e-01,  1.00097656e-01,  7.23266602e-03,  4.68750000e-02,
        -5.83496094e-02, -9.96093750e-02, -1.71875000e-01, -6.44531250e-02,
         1.01562500e-01, -1.41601562e-01,  1.44531250e-01,  5.00488281e-02,
         3.45703125e-01,  7.61718750e-02,  6.12792969e-02,  1.66992188e-01,
         1.03027344e-01,  1.00585938e-01, -1.44531250e-01, -1.84570312e-01,
        -5.51757812e-02,  2.23388672e-02, -4.85839844e-02, -2.57568359e-02,
         1.58203125e-01,  1.50390625e-01, -7.22656250e-02,  1.08886719e-0
1],
       dtype=float32),
 'daily': array([-0.12304688, -0.05029297, -0.265625  , -0.12792969, -0.048
33984,
         0.10107422,  0.14746094,  0.15429688,  0.2578125 ,  0.12207031,
        -0.04663086, -0.02526855,  0.19433594,  0.19824219, -0.14941406,
        -0.03710938, -0.26953125,  0.09863281,  0.16503906, -0.11962891,
        -0.25390625, -0.11621094, -0.07519531,  0.01080322, -0.13476562,
        -0.05883789,  0.01306152,  0.2109375 , -0.08837891, -0.14746094,
         0.18457031, -0.27734375, -0.00137329,  0.02001953, -0.171875  ,
        -0.13867188, -0.08935547,  0.11669922, -0.02124023, -0.00842285,
         0.00196838, -0.1875    ,  0.06030273,  0.11230469, -0.0390625 ,
         0.04296875,  0.04541016,  0.03808594,  0.07128906, -0.16210938,
        -0.07373047, -0.09912109, -0.21289062,  0.23632812,  0.01831055,
         0.01904297, -0.15039062, -0.13476562,  0.1328125 , -0.11181641,
         0.07519531,  0.03588867,  0.22167969,  0.02770996,  0.38867188,
        -0.03149414, -0.01867676,  0.15527344,  0.0456543 ,  0.1328125 ,
         0.05419922,  0.04663086,  0.02758789,  0.06396484, -0.14453125,
        -0.07421875, -0.14550781,  0.03442383, -0.23925781, -0.04858398,
        -0.04467773, -0.20410156,  0.16796875,  0.12695312, -0.14355469,
         0.12597656, -0.05761719,  0.10888672,  0.29882812,  0.05444336,
         0.1640625 , -0.15429688, -0.00408936, -0.33984375, -0.38085938,
         0.12597656, -0.09814453, -0.13671875,  0.20703125, -0.00994873,
         0.15820312,  0.06445312, -0.03125   , -0.04077148, -0.06933594,
        -0.06787109, -0.14160156, -0.02832031,  0.10009766,  0.05786133,
         0.27929688, -0.21679688, -0.11572266, -0.1015625 ,  0.05517578,
         0.06738281,  0.13964844,  0.02758789,  0.11328125,  0.18359375,
        -0.05883789,  0.02893066, -0.16015625,  0.09521484, -0.00072479,
         0.1015625 , -0.18164062, -0.06738281,  0.12011719,  0.00689697,
        -0.19726562, -0.19628906, -0.10888672, -0.09179688,  0.03515625,
        -0.13574219,  0.19726562,  0.14550781,  0.08642578,  0.0859375 ,
         0.02246094, -0.11962891, -0.16992188,  0.05053711, -0.03149414,
        -0.16601562,  0.20019531, -0.10839844,  0.18261719,  0.02453613,
         0.2109375 ,  0.21484375, -0.09716797, -0.15722656,  0.01251221,
        -0.31054688,  0.0456543 , -0.12158203, -0.11181641, -0.07421875,
        -0.01599121,  0.32617188, -0.29296875,  0.28515625,  0.04711914,
         0.15332031, -0.05273438, -0.09521484,  0.18164062, -0.11572266,
        -0.07861328, -0.04882812,  0.04980469,  0.02380371, -0.09716797,
        -0.05273438, -0.11230469, -0.1875    , -0.08154297, -0.02404785,
        -0.19335938, -0.06079102, -0.20117188, -0.10253906,  0.15429688,
```

```
         0.04125977,  0.23730469, -0.00921631, -0.00216675,  0.06787109,
         0.10839844,  0.01611328, -0.07275391, -0.140625  , -0.17773438,
        -0.13671875, -0.07763672,  0.16992188, -0.47460938, -0.09912109,
        -0.25976562, -0.09814453,  0.01300049, -0.13867188,  0.28320312,
         0.03662109, -0.06982422,  0.13769531,  0.04833984, -0.02429199,
        -0.08349609,  0.07324219, -0.15820312,  0.17773438,  0.12988281,
        -0.04516602,  0.21679688,  0.11816406, -0.37695312, -0.05615234,
         0.20410156,  0.35546875, -0.14550781, -0.20703125, -0.0246582 ,
        -0.00485229,  0.02294922,  0.265625  , -0.09033203, -0.26367188,
         0.16113281, -0.01208496,  0.19140625,  0.06542969,  0.01538086,
        -0.24316406,  0.14257812,  0.3125    , -0.07226562,  0.05908203,
         0.10302734, -0.1875    , -0.13085938, -0.24414062,  0.07128906,
         0.0625    , -0.13183594, -0.07568359, -0.23925781, -0.02746582,
         0.11914062, -0.04296875,  0.13574219,  0.11669922, -0.01599121,
        -0.27539062, -0.03515625, -0.24023438,  0.06933594,  0.07763672,
         0.19726562,  0.09277344,  0.24902344,  0.08544922,  0.07324219,
         0.17480469,  0.08154297,  0.13378906,  0.02612305,  0.03833008,
         0.13964844,  0.16796875,  0.06005859, -0.05371094,  0.12597656,
        -0.07177734, -0.11328125, -0.00759888,  0.26757812, -0.06396484,
        -0.14355469,  0.21777344,  0.07421875,  0.09228516,  0.07763672,
        -0.03808594, -0.3359375 ,  0.25      ,  0.08203125,  0.24511719,
         0.09960938, -0.18457031,  0.10253906, -0.04345703, -0.12060547,
         0.19042969, -0.15722656,  0.2265625 ,  0.0625    ,  0.01550293],
       dtype=float32),
 'varying': array([ 0.06225586, -0.08642578, -0.15820312,  0.19628906,  0.0
0860596,
         0.07275391,  0.00552368,  0.07275391, -0.02758789,  0.0859375 ,
        -0.12988281, -0.15429688, -0.06640625,  0.06445312, -0.3203125 ,
         0.09521484, -0.27929688,  0.42578125, -0.25390625, -0.13378906,
        -0.45117188, -0.05883789, -0.375     , -0.05566406, -0.21191406,
        -0.13183594, -0.42578125,  0.08935547,  0.14453125, -0.17382812,
        -0.20410156, -0.08154297,  0.11914062,  0.14648438, -0.09619141,
        -0.1015625 , -0.04370117, -0.359375  , -0.12597656, -0.01818848,
         0.18652344, -0.09667969, -0.10742188, -0.16308594,  0.03393555,
        -0.14453125,  0.02783203,  0.05419922, -0.11523438, -0.21972656,
         0.09912109,  0.14453125, -0.50390625,  0.16601562, -0.20703125,
         0.08740234, -0.03881836, -0.33984375, -0.00692749,  0.04077148,
        -0.08496094,  0.21679688, -0.01013184, -0.21777344,  0.32617188,
        -0.16992188, -0.18164062,  0.1796875 ,  0.12988281,  0.05273438,
        -0.01470947, -0.07861328,  0.1015625 ,  0.11083984, -0.12451172,
         0.07763672, -0.07373047,  0.08496094, -0.22265625,  0.22949219,
         0.03320312,  0.02478027, -0.18554688, -0.04663086, -0.01556396,
        -0.14160156, -0.27734375,  0.1171875 , -0.22167969,  0.19824219,
         0.11572266,  0.00933838, -0.14257812, -0.00136566,  0.18066406,
         0.01782227, -0.02441406, -0.26757812,  0.01251221,  0.23144531,
         0.23925781,  0.03417969, -0.10742188, -0.4296875 , -0.08056641,
         0.17285156,  0.10986328, -0.07470703,  0.2734375 , -0.1328125 ,
         0.07861328, -0.203125  , -0.234375  ,  0.02722168,  0.23144531,
         0.12792969,  0.14453125, -0.16796875,  0.07177734,  0.04980469,
        -0.31445312, -0.05957031,  0.03881836,  0.0189209 , -0.00552368,
        -0.04052734, -0.21972656,  0.00686646, -0.10986328,  0.24316406,
         0.07568359, -0.04443359, -0.0625    , -0.27539062, -0.12109375,
         0.02026367, -0.04223633, -0.37890625, -0.07617188, -0.02832031,
        -0.27148438,  0.29101562, -0.33203125,  0.4453125 ,  0.10986328,
         0.18457031, -0.10595703, -0.08300781, -0.02722168,  0.07080078,
         0.02941895, -0.10888672, -0.06542969, -0.11181641,  0.02832031,
        -0.08984375, -0.01269531,  0.03491211, -0.11816406,  0.2890625 ,
         0.02502441, -0.03637695,  0.08447266, -0.06396484,  0.10253906,
        -0.00952148,  0.06176758, -0.03088379,  0.13769531, -0.00099182,
        -0.4609375 , -0.2734375 , -0.1796875 ,  0.13378906,  0.08837891,
        -0.03320312,  0.01062012, -0.328125  , -0.02099609, -0.10546875,
        -0.21582031,  0.07080078, -0.17773438,  0.22949219,  0.05932617,
        -0.27148438, -0.14648438,  0.07666016,  0.01635742, -0.01544189,
         0.24121094, -0.09960938,  0.04785156, -0.34375   , -0.09326172,
```

```
        -0.11474609,  0.02612305, -0.09179688, -0.09179688, -0.08691406,
         0.18164062,  0.19335938,  0.02697754, -0.14257812,  0.04467773,
         0.01696777, -0.16601562,  0.19433594, -0.09423828,  0.31445312,
         0.05737305, -0.20703125,  0.00762939, -0.01611328,  0.06884766,
        -0.18261719,  0.0378418 , -0.09716797, -0.18457031, -0.19238281,
         0.02514648, -0.11914062, -0.07714844, -0.5390625 ,  0.03320312,
        -0.01977539, -0.17675781,  0.04931641, -0.02209473,  0.02685547,
        -0.10546875,  0.13476562,  0.11425781,  0.05322266, -0.05102539,
        -0.27734375,  0.234375  , -0.15429688, -0.07666016,  0.37109375,
        -0.10058594, -0.15136719, -0.03686523, -0.07080078,  0.06005859,
         0.01397705, -0.36328125, -0.04345703, -0.15234375, -0.01940918,
        -0.01794434,  0.42382812, -0.18554688, -0.08544922,  0.09863281,
        -0.2265625 , -0.19433594, -0.07519531,  0.20117188, -0.11328125,
        -0.07568359,  0.00457764, -0.4296875 ,  0.06396484,  0.12451172,
        -0.04833984, -0.16992188, -0.05834961, -0.21191406, -0.27734375,
        -0.18847656,  0.05200195, -0.18359375, -0.10253906,  0.22265625,
        -0.140625  , -0.12158203, -0.01464844, -0.01904297,  0.07519531,
        -0.04516602, -0.15136719, -0.00105286, -0.24902344,  0.1171875 ,
        -0.11669922,  0.04443359,  0.15625   , -0.02270508,  0.34960938,
         0.12109375,  0.12158203,  0.05175781,  0.05273438, -0.375     ,
        -0.01403809,  0.11914062,  0.03100586, -0.0168457 ,  0.07324219],
       dtype=float32),
 'complexity': array([ 3.59375000e-01,  1.74804688e-01, -3.59375000e-01,
8.64257812e-02,
        -1.98242188e-01,  1.76757812e-01,  4.19921875e-01, -1.06445312e-01,
         2.75390625e-01,  1.65039062e-01, -7.86132812e-02, -1.56250000e-01,
        -4.12597656e-02, -1.18652344e-01, -1.74804688e-01,  1.02539062e-01,
        -8.69140625e-02,  1.79687500e-01, -6.59179688e-02, -3.69140625e-01,
        -2.27539062e-01, -3.28125000e-01,  7.66601562e-02,  2.38281250e-01,
         2.73437500e-01, -1.53320312e-01,  1.24023438e-01, -2.17773438e-01,
        -1.65039062e-01, -2.00195312e-01, -2.41699219e-02,  2.25585938e-01,
         1.31835938e-01,  3.41796875e-02,  5.17578125e-02,  5.15136719e-02,
         1.65039062e-01, -1.68945312e-01,  2.51953125e-01,  1.76757812e-01,
         7.56835938e-02,  6.64062500e-02, -2.96875000e-01,  5.00488281e-02,
        -2.61718750e-01, -2.24609375e-01, -2.94921875e-01,  7.37304688e-02,
        -1.62109375e-01, -1.04492188e-01, -3.18359375e-01, -1.62109375e-01,
        -2.71484375e-01, -4.55078125e-01, -1.52343750e-01,  7.08007812e-02,
         3.08593750e-01, -2.07031250e-01, -2.34985352e-03,  8.10546875e-02,
         9.22851562e-02, -2.39257812e-02, -2.30712891e-02, -1.00585938e-01,
         1.91406250e-01, -2.07031250e-01, -2.08984375e-01,  3.06640625e-01,
        -7.61718750e-02, -7.26318359e-03,  1.91406250e-01, -8.49609375e-02,
         6.49414062e-02, -2.67578125e-01, -1.19628906e-01, -7.47070312e-02,
         4.14062500e-01,  2.20703125e-01,  1.39648438e-01,  2.79296875e-01,
        -1.73828125e-01,  1.81640625e-01, -2.14843750e-01, -1.95312500e-01,
         4.12597656e-02, -1.93359375e-01, -4.15039062e-02,  4.31640625e-01,
        -8.78906250e-02,  2.25585938e-01,  1.52343750e-01, -2.19726562e-01,
        -2.36328125e-01,  1.24511719e-02,  1.98364258e-03, -3.95507812e-02,
        -2.50000000e-01, -2.98828125e-01, -1.72851562e-01, -7.81250000e-02,
         3.10058594e-02,  7.66601562e-02, -7.91015625e-02, -1.64062500e-01,
        -1.98242188e-01,  5.10253906e-02, -1.01074219e-01,  1.44531250e-01,
        -6.39648438e-02, -1.81640625e-01, -2.97851562e-02, -1.15234375e-01,
         8.54492188e-02,  1.40625000e-01, -1.09863281e-02,  4.00390625e-02,
         1.58691406e-02, -1.96289062e-01,  3.57421875e-01,  1.62109375e-01,
        -4.74609375e-01,  1.01562500e-01, -6.49414062e-02,  3.45703125e-01,
         1.40625000e-01,  1.02539062e-01, -8.05664062e-02,  2.46093750e-01,
         8.98437500e-02,  1.24023438e-01,  5.46875000e-02,  3.51562500e-01,
        -2.92968750e-01, -1.72851562e-01,  8.30078125e-02,  8.00781250e-02,
         1.96289062e-01, -3.08593750e-01, -3.75366211e-03, -1.24511719e-01,
        -2.73437500e-01, -2.87109375e-01, -1.34765625e-01,  3.76953125e-01,
        -1.70135498e-03, -8.49609375e-02, -2.68554688e-02,  7.17773438e-02,
         1.18164062e-01,  4.05273438e-02, -1.16699219e-01,  2.47802734e-02,
        -4.51660156e-02,  9.96093750e-02, -9.61914062e-02, -2.41210938e-01,
        -2.06298828e-02, -1.31835938e-01, -3.61328125e-01, -3.16406250e-01,
        -1.04003906e-01, -2.40478516e-02, -9.47265625e-02,  5.68847656e-02,
```

```
        -2.52685547e-02,  3.75976562e-02,  2.70996094e-02, -2.00195312e-01,
         6.78710938e-02,  3.02734375e-01,  1.28906250e-01, -5.78613281e-02,
        -2.55859375e-01,  1.23901367e-02, -6.34765625e-02, -1.29699707e-04,
        -8.15429688e-02,  1.25000000e-01, -9.03320312e-02,  8.00781250e-02,
        -2.63671875e-01, -6.59179688e-02, -6.34765625e-02, -3.32031250e-01,
        -8.54492188e-03,  4.56542969e-02,  7.17773438e-02, -1.77001953e-02,
        -1.90429688e-01, -5.51757812e-02,  1.87988281e-02, -1.91406250e-01,
        -2.69531250e-01, -1.55639648e-02, -8.15429688e-02,  2.29492188e-01,
        -1.77734375e-01, -9.66796875e-02,  6.68945312e-02, -1.85546875e-01,
         9.32617188e-02,  2.75390625e-01, -2.48046875e-01, -5.37109375e-03,
         1.95312500e-02,  1.66015625e-01,  2.38037109e-02,  6.22558594e-02,
        -8.44726562e-02,  1.07910156e-01, -8.78906250e-02, -1.07421875e-01,
         6.73828125e-02, -1.43554688e-01, -3.86718750e-01, -2.75390625e-01,
        -5.39550781e-02,  6.68945312e-02, -1.35742188e-01, -1.18652344e-01,
        -1.16210938e-01,  2.11181641e-02, -7.76367188e-02, -1.11083984e-02,
        -2.53906250e-01, -2.83203125e-01,  4.78515625e-02, -1.81640625e-01,
         1.46484375e-01,  2.23632812e-01, -2.53906250e-01, -1.84326172e-02,
         1.31835938e-01,  1.24511719e-01, -1.19628906e-01, -5.00000000e-01,
        -5.73730469e-02,  1.70898438e-01, -3.11279297e-02, -3.08593750e-01,
        -2.67578125e-01, -1.30859375e-01, -1.05468750e-01, -1.51367188e-01,
         2.96875000e-01, -1.71875000e-01, -6.93359375e-02,  2.29492188e-01,
         1.22558594e-01,  1.85394287e-03, -8.83789062e-02,  1.85546875e-01,
        -1.07421875e-01,  2.06298828e-02,  1.21093750e-01, -9.86328125e-02,
         1.94335938e-01, -1.77734375e-01,  1.28173828e-02,  3.54003906e-02,
         1.56250000e-01, -1.93359375e-01, -1.17187500e-01, -8.93554688e-02,
        -1.48925781e-02,  3.07617188e-02,  8.44726562e-02, -2.12890625e-01,
        -1.54296875e-01, -1.42822266e-02, -2.42187500e-01, -7.12890625e-02,
        -1.55273438e-01,  8.00781250e-02,  5.02929688e-02,  7.32421875e-02,
         5.43212891e-03,  5.52368164e-03, -1.20605469e-01, -2.30468750e-01,
        -3.41796875e-02,  2.94189453e-02,  1.75781250e-02, -7.71484375e-02,
         1.55273438e-01,  1.44531250e-01,  1.09375000e-01,  4.07714844e-02,
        -1.73339844e-02,  3.90625000e-02, -1.90429688e-01,  4.64916229e-05,
         3.34472656e-02, -1.58691406e-03, -3.16406250e-01,  1.68945312e-01,
         8.83789062e-02,  2.34375000e-01, -1.85546875e-02,  4.27246094e-0
2],
       dtype=float32),
 'advanced': array([-9.66796875e-02,  9.42382812e-02,  3.36914062e-02,  3.2
4707031e-02,
        -2.94921875e-01,  1.21459961e-02,  7.61718750e-02, -2.10937500e-01,
        -5.85937500e-02, -6.07910156e-02, -3.83300781e-02,  1.30615234e-02,
         2.57812500e-01,  8.54492188e-03,  6.03027344e-02, -1.03027344e-01,
         7.51953125e-02, -2.38037109e-02, -6.56127930e-04,  1.56250000e-02,
        -2.23632812e-01,  1.55273438e-01, -1.63085938e-01,  5.81054688e-02,
         2.50000000e-01,  1.15722656e-01, -1.40625000e-01, -4.10156250e-02,
        -2.85156250e-01, -3.06640625e-01,  1.20605469e-01,  1.14746094e-01,
        -2.15820312e-01, -3.92578125e-01,  4.82177734e-03, -2.85644531e-02,
        -2.13867188e-01, -1.66992188e-01,  1.78710938e-01, -4.56542969e-02,
         1.86767578e-02, -1.71875000e-01,  5.98144531e-02,  9.08203125e-02,
         1.12304688e-01, -8.05664062e-02, -1.49414062e-01,  9.64355469e-03,
         7.37304688e-02,  6.68334961e-03, -4.19921875e-02,  7.27539062e-02,
        -2.01416016e-02, -8.30078125e-02, -7.37304688e-02,  2.47070312e-01,
         3.83377075e-04, -2.24609375e-01,  2.13867188e-01,  1.20605469e-01,
        -4.07714844e-02, -5.37109375e-03, -1.07910156e-01, -7.17773438e-02,
        -8.34960938e-02, -8.00781250e-02, -1.69921875e-01, -1.47705078e-02,
         4.56542969e-02,  2.11914062e-01, -2.25585938e-01, -1.41601562e-01,
         2.61718750e-01,  1.49414062e-01,  1.05468750e-01, -4.60815430e-03,
         1.51367188e-01, -5.93261719e-02,  1.14746094e-01,  1.71875000e-01,
        -2.83203125e-02,  1.03027344e-01, -1.19628906e-02,  1.92871094e-02,
         3.04687500e-01, -2.87109375e-01, -3.35937500e-01,  3.28125000e-01,
        -1.61132812e-01,  4.76074219e-02, -7.12890625e-02, -2.13867188e-01,
        -1.53320312e-01,  1.05468750e-01, -9.76562500e-02, -1.41601562e-01,
        -1.01562500e-01, -6.64062500e-02, -1.09863281e-01, -1.49414062e-01,
         2.19726562e-02, -6.59179688e-03, -1.93359375e-01, -2.91015625e-01,
        -1.03515625e-01, -4.76074219e-02,  1.19018555e-03, -1.47460938e-01,
```

```
         2.77099609e-02, -5.56640625e-02,  1.68945312e-01,  8.05664062e-02,
        -2.20703125e-01,  8.98437500e-02, -2.02636719e-02,  3.14453125e-01,
         2.65625000e-01, -1.27563477e-02,  1.91406250e-01, -1.67968750e-01,
         1.08398438e-01,  1.39160156e-02,  1.19140625e-01, -1.89971924e-03,
        -1.83593750e-01, -1.01562500e-01,  6.98242188e-02,  7.47070312e-02,
        -4.24804688e-02,  1.81640625e-01,  6.39648438e-02, -8.83789062e-02,
        -2.81982422e-02, -4.71191406e-02, -5.44433594e-02, -1.63085938e-01,
         2.02148438e-01, -9.66796875e-02, -3.28125000e-01, -6.29882812e-02,
        -3.19824219e-02,  1.00585938e-01,  9.52148438e-03,  1.37695312e-01,
         3.78417969e-02,  5.90820312e-02, -5.68847656e-02, -4.44335938e-02,
         7.03125000e-02, -2.42919922e-02, -1.15722656e-01,  2.16064453e-02,
        -6.05468750e-02, -1.76757812e-01, -2.30468750e-01,  3.83300781e-02,
        -1.73828125e-01,  1.16699219e-01,  1.15234375e-01, -1.34277344e-02,
        -1.21582031e-01,  1.81640625e-01, -1.67236328e-02, -1.71875000e-01,
        -8.30078125e-03, -1.95312500e-01, -9.76562500e-02,  2.33154297e-02,
        -1.63085938e-01, -2.71484375e-01,  1.48437500e-01, -2.99072266e-02,
        -2.61718750e-01, -8.20312500e-02,  1.19140625e-01, -3.45230103e-04,
        -1.08886719e-01, -1.35498047e-02, -1.57226562e-01, -4.46777344e-02,
        -1.88476562e-01, -2.17773438e-01, -1.90429688e-01,  6.25000000e-02,
         1.89208984e-02,  4.63867188e-02,  4.90722656e-02,  1.01318359e-02,
         3.41796875e-02, -7.08007812e-03, -6.10351562e-02, -1.19628906e-01,
        -6.73828125e-02, -1.73828125e-01, -1.43554688e-01, -6.16455078e-03,
         2.32421875e-01, -1.10839844e-01,  5.85937500e-02, -3.71093750e-01,
        -9.37500000e-02, -5.76782227e-03, -8.64257812e-02,  2.47070312e-01,
        -2.29492188e-01, -1.30859375e-01,  7.08007812e-02, -3.30078125e-01,
        -9.42382812e-02, -2.27539062e-01,  5.59082031e-02, -9.76562500e-03,
         4.44335938e-02,  9.08203125e-02,  1.67968750e-01, -3.61328125e-02,
         6.10351562e-02, -5.68847656e-02, -7.47070312e-02, -1.76757812e-01,
         6.54296875e-02, -1.06445312e-01,  1.47460938e-01, -1.78710938e-01,
         8.15429688e-02, -2.05078125e-02,  1.09863281e-01, -1.55273438e-01,
        -1.68945312e-01,  1.03515625e-01,  2.25585938e-01,  1.20605469e-01,
         7.56835938e-02,  2.71484375e-01, -1.27929688e-01,  1.70898438e-01,
        -2.33398438e-01,  7.95898438e-02,  1.50390625e-01, -6.07299805e-03,
         1.24023438e-01,  4.98046875e-02, -3.75976562e-02, -3.11279297e-02,
         4.49218750e-02, -3.32031250e-02,  7.17773438e-02, -2.05078125e-02,
        -3.19824219e-02, -2.18750000e-01,  1.40625000e-01, -6.68945312e-02,
         2.54821777e-03, -1.72119141e-02, -2.50000000e-01, -1.81884766e-02,
         1.63085938e-01, -1.37695312e-01, -1.10839844e-01,  1.53198242e-02,
         1.31835938e-01,  1.02539062e-02, -6.34765625e-02, -6.29882812e-02,
         2.67578125e-01,  9.52148438e-02,  1.85546875e-01, -3.73046875e-01,
        -2.81250000e-01,  1.29882812e-01,  4.82177734e-03, -4.85229492e-03,
        -2.83203125e-01, -1.09863281e-01,  2.41210938e-01, -1.31835938e-01,
        -7.56835938e-02, -5.85937500e-02, -5.32226562e-02,  1.63085938e-01,
        -5.83496094e-02,  2.63671875e-01,  7.03125000e-02, -9.15527344e-03,
        -1.67968750e-01,  9.81445312e-02,  1.66992188e-01,  1.62109375e-01,
         1.12792969e-01, -1.67236328e-02, -7.27539062e-02, -1.08886719e-01,
        -8.93554688e-02, -2.07519531e-02, -9.03320312e-03, -1.74560547e-02,
        -1.09863281e-01, -1.80664062e-01,  3.12500000e-02,  1.67968750e-0
1],
       dtype=float32),
 'proficiency': array([ 3.36914062e-02, -2.99072266e-02,  1.05957031e-01,
1.15234375e-01,
        -1.98974609e-02, -6.73828125e-02,  9.86328125e-02, -5.02929688e-02,
         2.36328125e-01,  1.70135498e-03,  3.08593750e-01, -2.25830078e-02,
         7.12890625e-02,  1.71875000e-01, -5.22460938e-02, -3.71093750e-02,
         5.21850586e-03,  3.19824219e-02, -1.27929688e-01, -2.98828125e-01,
        -6.59179688e-03, -1.62109375e-01, -3.04687500e-01,  2.98828125e-01,
        -1.18652344e-01, -2.50000000e-01, -2.69531250e-01, -1.68945312e-01,
        -1.42578125e-01,  3.02734375e-01, -1.00585938e-01, -1.88476562e-01,
         1.77734375e-01, -2.50000000e-01, -2.49023438e-02,  8.97216797e-03,
         6.83593750e-02,  2.75390625e-01,  1.20117188e-01, -1.67968750e-01,
         9.22851562e-02, -1.61132812e-01, -6.39648438e-02,  2.11914062e-01,
        -7.51953125e-02,  1.02539062e-01, -1.56250000e-01,  2.73437500e-01,
        -6.12792969e-02,  2.02148438e-01, -3.67187500e-01, -4.45556641e-03,
```

```
         3.66210938e-02, -2.11914062e-01,  9.64355469e-03,  1.49414062e-01,
         3.14453125e-01, -1.57226562e-01, -1.85546875e-01, -8.25195312e-02,
         3.41796875e-02,  1.29882812e-01,  6.10351562e-02, -4.31640625e-01,
         2.08007812e-01,  2.48046875e-01, -1.16699219e-01, -1.59179688e-01,
        -1.69921875e-01,  1.98242188e-01, -3.59375000e-01, -4.10156250e-01,
        -1.53320312e-01,  4.93164062e-02, -1.62109375e-01, -5.10253906e-02,
        -3.27148438e-02,  4.71191406e-02,  1.73828125e-01,  1.66015625e-01,
        -2.62451172e-02,  1.84570312e-01, -1.17675781e-01,  2.21679688e-01,
         2.44140625e-01,  1.88476562e-01,  1.35742188e-01,  1.96289062e-01,
         2.91015625e-01, -7.51953125e-02, -5.24902344e-02, -4.19921875e-01,
        -2.94921875e-01, -2.71484375e-01,  4.02343750e-01, -1.91406250e-01,
         1.44531250e-01,  1.30004883e-02, -1.24511719e-01, -9.71679688e-02,
        -3.41796875e-02, -2.13867188e-01, -3.39843750e-01, -1.75781250e-01,
        -1.56250000e-01, -3.39843750e-01, -9.96093750e-02,  1.20605469e-01,
         3.12500000e-01, -4.78515625e-01, -6.15234375e-02,  2.07031250e-01,
        -3.57421875e-01,  1.18652344e-01, -2.01171875e-01,  3.80859375e-01,
         1.71875000e-01, -2.51953125e-01, -9.03320312e-02, -4.57031250e-01,
        -1.66992188e-01,  1.52343750e-01,  2.03125000e-01, -8.69140625e-02,
         3.32031250e-01,  1.30859375e-01, -1.76757812e-01, -5.22460938e-02,
        -2.99072266e-02,  2.87109375e-01, -6.15234375e-02, -1.65039062e-01,
        -1.59179688e-01, -2.94921875e-01, -1.30859375e-01,  1.57226562e-01,
         3.35937500e-01, -2.79296875e-01, -4.43359375e-01,  1.87500000e-01,
        -4.14062500e-01,  7.01904297e-03, -2.96875000e-01,  3.14453125e-01,
        -1.10351562e-01, -5.37109375e-02,  1.62109375e-01, -5.76171875e-02,
         2.65625000e-01,  5.00488281e-02,  1.40625000e-01,  3.76953125e-01,
        -2.14843750e-01,  4.12597656e-02, -3.55468750e-01, -1.67968750e-01,
        -1.92382812e-01, -7.37304688e-02, -3.24218750e-01, -1.02050781e-01,
        -2.45361328e-02,  9.66796875e-02,  1.73828125e-01, -4.05273438e-02,
        -2.32421875e-01, -1.70898438e-01,  2.73437500e-01, -3.59375000e-01,
         6.54296875e-02,  3.12500000e-01, -6.29425049e-04, -4.88281250e-02,
        -2.55859375e-01, -2.53906250e-01,  2.63671875e-01,  1.54296875e-01,
        -7.91015625e-02, -3.18359375e-01, -4.49218750e-02, -4.35546875e-01,
        -2.18750000e-01, -2.05078125e-01,  1.18164062e-01,  1.11328125e-01,
         2.10937500e-01,  9.13085938e-02,  1.11328125e-01, -3.69140625e-01,
         1.72851562e-01,  5.85937500e-02, -1.44195557e-03, -5.15136719e-02,
        -1.09375000e-01,  2.31933594e-02, -5.02929688e-02, -1.48437500e-01,
         5.58593750e-01, -6.49414062e-02, -7.32421875e-02, -1.86523438e-01,
        -1.59912109e-02,  8.10546875e-02,  1.65039062e-01,  7.95898438e-02,
        -7.81250000e-02, -4.29687500e-01, -4.12597656e-02, -1.42578125e-01,
         5.71289062e-02,  8.20312500e-02,  9.71679688e-02,  1.03759766e-02,
        -1.05468750e-01, -8.00781250e-02, -2.37304688e-01, -5.22460938e-02,
         3.02734375e-01,  1.80664062e-01, -1.28906250e-01, -1.30859375e-01,
        -1.43554688e-01,  8.88671875e-02,  7.81250000e-03, -8.69140625e-02,
        -1.34765625e-01, -2.07519531e-02,  5.85937500e-02,  2.27050781e-02,
        -2.80761719e-02,  3.46679688e-02, -6.44531250e-02, -4.37011719e-02,
         1.18408203e-02,  2.04101562e-01,  7.42187500e-02,  8.54492188e-03,
         1.16699219e-01,  2.81250000e-01,  2.51953125e-01,  1.26953125e-01,
        -6.93359375e-02,  6.29882812e-02,  6.88476562e-02,  7.47070312e-02,
        -1.26953125e-01, -1.08886719e-01,  1.94335938e-01, -1.42578125e-01,
        -1.93359375e-01, -2.59765625e-01, -1.97265625e-01, -2.20703125e-01,
        -1.42578125e-01,  3.61328125e-01,  1.49414062e-01, -2.59765625e-01,
        -3.93066406e-02, -7.47070312e-02, -8.25195312e-02,  4.37500000e-01,
         9.52148438e-02,  2.57812500e-01,  3.80859375e-02,  1.52343750e-01,
         1.28906250e-01,  8.98437500e-02,  6.59179688e-02, -1.29882812e-01,
         1.19628906e-01, -2.40234375e-01,  5.34667969e-02, -1.71875000e-01,
        -3.49609375e-01,  8.34960938e-02, -2.92968750e-01, -1.39160156e-02,
        -3.14941406e-02, -1.25000000e-01, -6.67968750e-01, -1.52343750e-01,
        -1.50756836e-02,  1.30859375e-01,  2.40234375e-01,  2.03125000e-01,
        -3.26171875e-01, -3.93066406e-02,  1.04003906e-01, -3.49121094e-02,
         3.36914062e-02,  2.14843750e-01,  8.30078125e-02,  6.89697266e-03,
         6.93359375e-02, -3.24218750e-01,  1.14746094e-01,  4.90722656e-02,
         2.37304688e-01,  4.02832031e-03,  5.17578125e-02, -4.27246094e-0
2],
       dtype=float32),
```

```
 'automation': array([-0.02966309,  0.10058594, -0.23632812, -0.03808594, -
0.01019287,
         0.04931641,  0.08447266,  0.04296875,  0.10693359,  0.21777344,
        -0.07763672, -0.12353516, -0.01385498,  0.09179688,  0.12109375,
        -0.21679688,  0.3046875 , -0.03540039, -0.10839844,  0.20117188,
        -0.15722656, -0.08105469, -0.0123291 ,  0.359375  ,  0.04370117,
         0.19042969,  0.05566406, -0.05688477, -0.01385498, -0.07714844,
         0.07128906, -0.07568359, -0.3125    , -0.14453125,  0.01623535,
        -0.27929688, -0.06787109, -0.28710938,  0.48046875,  0.06494141,
        -0.0112915 , -0.20117188,  0.20898438,  0.10400391, -0.31445312,
        -0.16894531, -0.44335938, -0.18066406, -0.27929688,  0.20800781,
        -0.3359375 , -0.12451172, -0.17382812, -0.43554688, -0.19238281,
         0.17089844,  0.18652344,  0.02429199,  0.29492188,  0.24511719,
        -0.10791016, -0.09130859, -0.21679688, -0.10205078,  0.05493164,
         0.04858398, -0.20019531,  0.28125   ,  0.16015625,  0.08496094,
         0.18847656,  0.17285156,  0.20898438,  0.06054688, -0.04711914,
        -0.3984375 ,  0.16113281, -0.41015625,  0.12597656,  0.02490234,
         0.08691406,  0.16015625,  0.1484375 , -0.00842285,  0.375     ,
        -0.1015625 , -0.26757812,  0.24804688, -0.04638672, -0.08251953,
         0.20800781, -0.22949219, -0.26367188, -0.03833008, -0.34179688,
         0.07617188, -0.03100586, -0.12890625,  0.06103516, -0.25976562,
         0.05712891, -0.1484375 , -0.13769531, -0.12597656, -0.07519531,
         0.05737305, -0.203125  ,  0.16992188,  0.1484375 , -0.12304688,
         0.39257812, -0.01635742, -0.35351562,  0.17285156,  0.01483154,
         0.08789062, -0.12011719, -0.00537109,  0.51171875, -0.22167969,
        -0.234375  ,  0.10253906, -0.05664062,  0.00227356,  0.0234375 ,
        -0.02502441, -0.12011719,  0.22558594,  0.15527344,  0.08935547,
        -0.08789062,  0.33203125, -0.02880859,  0.03466797, -0.02282715,
         0.23046875,  0.09912109, -0.00927734, -0.32617188,  0.09033203,
         0.00500488, -0.48632812,  0.00561523,  0.37695312, -0.37695312,
        -0.14453125,  0.01123047,  0.16308594,  0.04858398, -0.11816406,
        -0.22167969, -0.04418945,  0.0189209 ,  0.1640625 , -0.05102539,
         0.05859375,  0.10058594,  0.23046875, -0.0234375 , -0.12304688,
        -0.14648438, -0.08105469, -0.42578125,  0.203125  ,  0.04541016,
         0.03662109,  0.13671875,  0.02844238, -0.13964844, -0.03076172,
         0.14746094,  0.1015625 ,  0.06494141, -0.07910156,  0.00325012,
         0.06396484,  0.109375  , -0.14355469, -0.5       , -0.17480469,
        -0.546875  , -0.00186157,  0.00091934, -0.16796875,  0.07910156,
        -0.01623535, -0.09765625,  0.21582031,  0.03759766,  0.125     ,
        -0.23242188,  0.09863281, -0.04956055,  0.23046875, -0.06201172,
        -0.06591797,  0.14160156, -0.10351562, -0.07177734, -0.359375  ,
        -0.08056641, -0.02783203, -0.18847656,  0.05151367, -0.22753906,
        -0.234375  ,  0.1640625 , -0.19433594,  0.19042969, -0.15332031,
         0.09863281, -0.15234375,  0.17089844, -0.08105469, -0.0703125 ,
        -0.18066406,  0.1953125 ,  0.25585938, -0.14746094, -0.01220703,
        -0.17382812, -0.1875    ,  0.00540161, -0.16210938, -0.28125   ,
        -0.32617188,  0.12402344, -0.07763672, -0.02905273, -0.36914062,
        -0.30859375,  0.04882812, -0.17285156, -0.0480957 , -0.4375    ,
         0.07324219, -0.23046875,  0.09667969,  0.25976562, -0.06884766,
         0.203125  , -0.23632812, -0.23828125, -0.02233887,  0.11572266,
        -0.22070312, -0.35546875,  0.40625   ,  0.08398438, -0.4375    ,
        -0.14648438, -0.19042969,  0.04760742,  0.00506592, -0.06982422,
        -0.296875  ,  0.0222168 , -0.10205078, -0.10205078,  0.08935547,
         0.05322266, -0.20019531, -0.0032959 , -0.03344727,  0.02929688,
        -0.25976562,  0.12451172, -0.20800781, -0.32226562, -0.00515747,
        -0.10009766, -0.06347656, -0.17675781, -0.20214844, -0.01977539,
         0.06835938, -0.03112793,  0.10351562,  0.16796875,  0.0859375 ,
        -0.49804688, -0.2890625 , -0.00939941,  0.05444336, -0.13574219,
         0.19140625,  0.07373047, -0.11621094, -0.07958984,  0.11865234,
        -0.484375  ,  0.11767578, -0.15234375,  0.24609375,  0.125     ,
        -0.1171875 ,  0.21972656, -0.03686523, -0.12792969,  0.01239014],
       dtype=float32),
 'redesigning': array([-0.30664062,  0.30078125,  0.07470703,  0.2421875 ,
-0.1953125 ,
```

```
         0.0019455 ,  0.0378418 , -0.08447266, -0.09082031, -0.11083984,
        -0.01989746,  0.06738281, -0.00418091,  0.13964844,  0.00302124,
        -0.29101562,  0.0534668 , -0.12792969,  0.0559082 ,  0.21289062,
        -0.03063965,  0.18554688, -0.04956055, -0.06738281, -0.03686523,
         0.26171875,  0.06738281, -0.03540039, -0.12890625, -0.23242188,
        -0.04785156,  0.06982422,  0.046875  ,  0.03857422,  0.25585938,
        -0.32226562,  0.4765625 , -0.00130463, -0.0112915 , -0.00619507,
        -0.13183594,  0.01635742,  0.01928711, -0.02709961,  0.05908203,
        -0.19921875,  0.01483154,  0.18457031, -0.05200195,  0.09912109,
        -0.13085938,  0.07275391, -0.06689453, -0.34960938, -0.01574707,
         0.24414062,  0.02661133, -0.15917969,  0.29492188, -0.08740234,
        -0.04443359,  0.11621094, -0.140625  , -0.359375  ,  0.40820312,
        -0.00408936, -0.11962891,  0.13085938, -0.14257812,  0.09716797,
        -0.09228516,  0.31835938,  0.15722656, -0.22363281, -0.27929688,
        -0.02148438,  0.31640625, -0.0456543 , -0.20214844, -0.02624512,
         0.07958984, -0.16503906,  0.08056641,  0.05126953,  0.1640625 ,
         0.11767578,  0.17871094,  0.20117188,  0.17773438,  0.125     ,
        -0.01855469, -0.25390625, -0.03369141, -0.02807617, -0.20214844,
         0.00460815, -0.24511719, -0.26757812, -0.09716797,  0.2265625 ,
        -0.07128906,  0.05712891,  0.19140625,  0.14648438, -0.18945312,
         0.12304688,  0.10986328,  0.21484375, -0.13671875, -0.13476562,
        -0.01586914,  0.03833008, -0.07421875,  0.36523438,  0.3671875 ,
        -0.37109375,  0.07226562,  0.14648438,  0.33398438,  0.01879883,
        -0.22265625,  0.06640625, -0.18359375,  0.21289062,  0.16503906,
         0.06396484,  0.00364685,  0.25585938, -0.05834961,  0.30078125,
        -0.08007812, -0.00248718, -0.33789062, -0.03955078,  0.07861328,
         0.16210938, -0.25585938,  0.01672363, -0.14257812,  0.16894531,
         0.078125  , -0.16015625, -0.30664062,  0.00726318,  0.09667969,
         0.03613281, -0.08007812, -0.14355469, -0.16796875, -0.15039062,
        -0.13574219, -0.34375   ,  0.02905273,  0.02075195,  0.07666016,
        -0.08935547, -0.0324707 , -0.04614258, -0.140625  ,  0.07617188,
         0.09082031,  0.03710938, -0.00558472,  0.20410156, -0.2734375 ,
         0.20214844,  0.4375    ,  0.0030365 ,  0.17773438, -0.24511719,
         0.02209473, -0.078125  , -0.19433594,  0.28320312,  0.16308594,
         0.18457031,  0.30859375, -0.14355469, -0.41992188,  0.14160156,
        -0.18945312, -0.03662109, -0.10009766, -0.05688477, -0.02392578,
        -0.05517578, -0.04394531,  0.21386719, -0.09082031, -0.23339844,
        -0.19335938, -0.01263428,  0.1796875 , -0.11035156, -0.3359375 ,
        -0.21875   ,  0.25976562,  0.11083984,  0.13476562, -0.09179688,
         0.12890625,  0.02844238, -0.03686523, -0.27734375,  0.02600098,
         0.18359375, -0.11865234, -0.16699219, -0.203125  ,  0.08105469,
         0.18457031, -0.08886719,  0.04638672,  0.05053711,  0.00793457,
         0.01831055,  0.11669922,  0.17382812, -0.14160156,  0.16699219,
        -0.12695312, -0.17382812, -0.04638672,  0.29492188, -0.1875    ,
        -0.25585938, -0.30664062, -0.07519531, -0.53515625,  0.07080078,
        -0.07275391, -0.31835938, -0.12158203,  0.12597656, -0.09375   ,
        -0.11816406,  0.16503906, -0.26953125, -0.06494141, -0.02404785,
         0.0055542 , -0.03491211, -0.35351562, -0.38085938,  0.09960938,
        -0.11767578, -0.20996094,  0.16503906, -0.16210938, -0.13378906,
        -0.16796875,  0.19921875,  0.00521851, -0.07421875,  0.12890625,
        -0.11914062, -0.06298828,  0.23144531, -0.10693359,  0.24707031,
         0.19726562, -0.04077148,  0.23730469,  0.16503906,  0.17285156,
        -0.03686523,  0.14550781, -0.25390625, -0.02233887,  0.12451172,
         0.07128906,  0.06298828,  0.20214844, -0.20703125, -0.04589844,
        -0.15429688, -0.03149414, -0.05224609, -0.09326172, -0.16894531,
        -0.25390625,  0.01434326, -0.2421875 ,  0.11230469,  0.09521484,
         0.33984375, -0.22460938, -0.05273438,  0.36328125, -0.15234375,
        -0.23242188, -0.06347656, -0.0703125 ,  0.03808594,  0.12890625,
         0.33984375,  0.36132812,  0.04760742, -0.20703125, -0.00527954],
       dtype=float32),
 'legacy': array([ 0.15917969,  0.46875   ,  0.09521484,  0.06030273,  0.18
457031,
        -0.01855469,  0.13476562, -0.18652344,  0.31054688,  0.17578125,
         0.06103516,  0.11035156,  0.09228516, -0.20019531,  0.03540039,
```

```
        -0.01446533,  0.07568359,  0.3125    ,  0.11230469, -0.20605469,
        -0.1953125 ,  0.07568359,  0.37109375,  0.22460938,  0.07177734,
        -0.13085938, -0.04199219, -0.22558594,  0.07470703, -0.12597656,
         0.23828125, -0.1015625 , -0.10449219,  0.02587891,  0.1953125 ,
         0.26367188,  0.13769531,  0.04394531, -0.00915527, -0.04174805,
         0.10595703,  0.03857422,  0.08789062, -0.01855469,  0.13183594,
        -0.06494141, -0.16601562,  0.00101471, -0.03930664, -0.13574219,
         0.03540039, -0.09277344, -0.12402344, -0.10400391,  0.20410156,
         0.0300293 , -0.1796875 , -0.07177734, -0.00601196,  0.04980469,
         0.22167969,  0.21679688,  0.15625   ,  0.06030273, -0.07080078,
        -0.00183105,  0.02172852,  0.24316406, -0.10693359,  0.06347656,
        -0.02990723,  0.07519531,  0.06396484, -0.328125  ,  0.02905273,
        -0.27539062,  0.06201172, -0.08544922,  0.1875    ,  0.19140625,
         0.14355469,  0.0480957 ,  0.07666016, -0.19042969, -0.06445312,
        -0.13476562, -0.265625  ,  0.02429199,  0.12060547,  0.26757812,
         0.01397705,  0.07470703,  0.15136719,  0.01916504,  0.07275391,
        -0.16113281, -0.12988281,  0.20117188,  0.1328125 , -0.18652344,
        -0.29101562,  0.26367188,  0.11767578,  0.1640625 , -0.36132812,
        -0.07763672,  0.13183594, -0.01483154,  0.04711914,  0.19238281,
        -0.02087402,  0.39453125,  0.02404785,  0.078125  ,  0.13183594,
         0.13671875, -0.23632812, -0.10107422,  0.08984375,  0.33203125,
        -0.11523438, -0.02526855,  0.29296875,  0.10986328,  0.09716797,
        -0.328125  ,  0.18359375,  0.45117188,  0.06298828,  0.01367188,
         0.16015625,  0.04492188, -0.125     , -0.00276184,  0.13085938,
         0.09570312,  0.02392578,  0.03149414,  0.15136719,  0.13183594,
         0.0168457 , -0.15234375, -0.18945312,  0.17871094,  0.33984375,
        -0.1953125 , -0.01171875, -0.08056641,  0.11083984,  0.22949219,
         0.00701904,  0.10058594,  0.04663086,  0.18457031, -0.45898438,
         0.08203125, -0.30664062, -0.05371094, -0.03955078, -0.27734375,
        -0.17480469,  0.11621094, -0.27929688, -0.0291748 ,  0.171875  ,
         0.16503906,  0.10888672,  0.01806641, -0.24316406,  0.13964844,
         0.03393555,  0.10400391,  0.21679688, -0.6328125 ,  0.07958984,
        -0.14160156,  0.22753906, -0.05761719,  0.15527344,  0.12158203,
        -0.41992188, -0.09082031,  0.0456543 ,  0.01428223,  0.02758789,
         0.23632812, -0.0390625 ,  0.30078125,  0.26757812,  0.296875  ,
        -0.08642578,  0.05493164,  0.03491211, -0.12695312, -0.2578125 ,
         0.15136719,  0.14453125,  0.171875  , -0.05224609,  0.125     ,
        -0.171875  ,  0.33007812, -0.04003906, -0.08056641,  0.01879883,
         0.04296875, -0.15429688, -0.04443359, -0.03088379, -0.20507812,
        -0.07666016,  0.0088501 ,  0.09521484,  0.15625   , -0.015625  ,
         0.19140625,  0.01062012,  0.23144531,  0.08056641,  0.08447266,
        -0.25585938,  0.0123291 , -0.09472656,  0.02905273, -0.01904297,
        -0.13476562, -0.20898438, -0.01312256, -0.01867676,  0.09130859,
        -0.10253906,  0.21191406, -0.17382812, -0.16503906, -0.00619507,
        -0.140625  ,  0.03295898, -0.05249023,  0.05102539, -0.20800781,
        -0.16601562, -0.5       ,  0.08642578, -0.29296875, -0.19140625,
         0.09521484,  0.12597656,  0.03808594, -0.09570312, -0.03320312,
        -0.12597656,  0.18457031, -0.12353516,  0.12011719,  0.05615234,
        -0.33398438, -0.04785156,  0.16015625, -0.296875  ,  0.01000977,
         0.18847656,  0.07666016, -0.00741577,  0.20507812,  0.0625    ,
         0.06298828, -0.09033203,  0.01385498, -0.20214844,  0.09814453,
         0.10253906, -0.20019531,  0.11572266,  0.08398438,  0.04516602,
        -0.10595703,  0.17382812,  0.01843262, -0.3046875 , -0.18359375,
         0.02685547,  0.00083923,  0.14648438, -0.30664062, -0.13671875,
        -0.04760742,  0.13378906,  0.09130859,  0.09619141, -0.18652344,
        -0.25      , -0.05102539, -0.22167969, -0.1328125 , -0.22753906,
        -0.1640625 ,  0.06835938,  0.01049805, -0.08789062, -0.09619141],
       dtype=float32),
 'workbook': array([ 2.46093750e-01, -3.18359375e-01, -2.75390625e-01, -4.8
0957031e-02,
         3.33984375e-01,  2.28515625e-01, -9.47265625e-02,  4.10156250e-02,
         3.46679688e-02, -5.00000000e-01,  4.96093750e-01,  2.30468750e-01,
         2.08984375e-01,  1.16699219e-01, -7.86132812e-02,  3.37890625e-01,
        -7.41577148e-03,  2.27539062e-01, -2.03125000e-01, -4.02343750e-01,
```

```
 6.01562500e-01,  1.45507812e-01, -3.78906250e-01,  1.75781250e-01,
-4.58984375e-01,  9.96093750e-02, -1.73828125e-01, -2.03857422e-02,
-3.41796875e-02, -5.68847656e-02, -1.74804688e-01, -3.00781250e-01,
-2.06054688e-01,  1.95312500e-01, -2.89062500e-01,  7.47070312e-02,
 2.38037109e-02,  6.22558594e-02,  3.18359375e-01, -4.66796875e-01,
-1.68945312e-01,  2.51953125e-01,  1.48437500e-01, -2.14843750e-02,
 1.63574219e-02, -2.67578125e-01,  7.81250000e-02,  1.00097656e-02,
 2.90527344e-02,  1.91406250e-01, -3.80859375e-01, -2.69531250e-01,
-4.48608398e-03, -1.19140625e-01,  2.05078125e-01,  6.54296875e-02,
 3.54003906e-02, -3.92578125e-01, -1.31225586e-02,  3.83300781e-02,
 6.15234375e-02,  1.03515625e-01,  2.17773438e-01,  2.20703125e-01,
-7.56835938e-02, -1.45507812e-01, -3.12500000e-01, -1.28906250e-01,
 2.37304688e-01, -1.87500000e-01, -9.71679688e-02, -2.11914062e-01,
 3.51562500e-01, -1.57226562e-01, -2.79541016e-02,  4.51660156e-02,
 7.86132812e-02,  3.16406250e-01,  1.40380859e-02,  1.55273438e-01,
 4.23828125e-01, -2.06054688e-01, -2.96875000e-01,  1.02050781e-01,
 3.10546875e-01, -1.03027344e-01,  1.00097656e-01,  4.33593750e-01,
 3.69140625e-01, -1.93359375e-01, -2.57812500e-01, -7.66601562e-02,
 1.52587891e-02, -2.48046875e-01, -2.73437500e-01, -2.50244141e-02,
 1.60156250e-01,  7.93457031e-03, -1.03027344e-01, -2.68554688e-03,
 3.44238281e-02,  6.59179688e-02, -1.54296875e-01,  2.37304688e-01,
-1.49414062e-01,  2.37304688e-01,  3.97949219e-02,  6.22558594e-02,
 1.66015625e-01,  1.15722656e-01, -2.12402344e-02, -6.49414062e-02,
-1.14257812e-01,  6.16455078e-03,  2.02148438e-01, -8.78906250e-03,
-2.01171875e-01,  2.16064453e-02,  3.41796875e-01,  2.65625000e-01,
-1.20117188e-01, -2.06054688e-01,  2.95410156e-02,  7.32421875e-02,
-3.80859375e-02,  3.14941406e-02, -3.73046875e-01, -1.57226562e-01,
-3.19824219e-02,  6.91406250e-01, -2.24609375e-01, -1.87500000e-01,
-4.32128906e-02, -1.29882812e-01,  2.98828125e-01,  3.35937500e-01,
 1.18164062e-01, -1.58548355e-05,  1.51367188e-01,  2.40234375e-01,
-2.81250000e-01,  3.56445312e-02, -3.63281250e-01, -3.47656250e-01,
-2.92968750e-01, -4.08203125e-01,  8.34960938e-02,  1.59179688e-01,
 9.91210938e-02, -1.85546875e-01,  1.26953125e-01,  1.52343750e-01,
-1.08886719e-01,  1.32812500e-01,  3.00781250e-01, -1.27929688e-01,
-4.21875000e-01, -8.30078125e-02, -3.82812500e-01,  1.96289062e-01,
 4.56542969e-02,  2.85156250e-01,  2.46093750e-01,  2.15820312e-01,
-2.42187500e-01,  3.35937500e-01,  5.54687500e-01,  6.49414062e-02,
-4.49218750e-02, -4.90722656e-02, -3.16406250e-01, -2.47070312e-01,
-2.83203125e-01,  2.30712891e-02,  1.53320312e-01,  1.86523438e-01,
-9.17968750e-02,  1.68945312e-01, -4.10156250e-01,  1.16210938e-01,
-2.43164062e-01, -3.63281250e-01,  2.90527344e-02,  2.49023438e-01,
-6.88476562e-02, -4.46777344e-02, -3.69140625e-01,  1.22070312e-01,
 2.09960938e-01, -8.78906250e-02, -1.94091797e-02, -1.45507812e-01,
-1.13281250e-01, -1.35742188e-01, -3.59375000e-01, -1.23535156e-01,
-3.90625000e-02, -1.67968750e-01, -3.65234375e-01, -4.64843750e-01,
-4.80957031e-02, -1.16210938e-01, -1.68945312e-01, -8.05664062e-02,
-1.77734375e-01, -4.19921875e-02, -2.77343750e-01, -2.43164062e-01,
 2.51953125e-01,  4.07714844e-02, -8.39843750e-02,  6.83593750e-02,
 3.79085541e-05, -7.12890625e-02,  3.39843750e-01,  4.37500000e-01,
 1.65039062e-01,  2.46093750e-01, -1.44531250e-01, -3.10546875e-01,
 3.02734375e-02,  3.12500000e-01,  2.07031250e-01, -3.20312500e-01,
-1.47460938e-01, -5.54687500e-01,  1.86523438e-01, -1.86523438e-01,
 6.68945312e-02, -3.20312500e-01, -8.30078125e-02,  8.34960938e-02,
 1.11083984e-02, -1.57226562e-01, -1.43554688e-01, -6.17675781e-02,
 2.30468750e-01,  1.57226562e-01, -1.85546875e-02,  2.01416016e-02,
 3.66210938e-02, -5.78613281e-02,  1.74804688e-01, -3.12500000e-01,
 6.37054443e-04, -3.92578125e-01, -2.59765625e-01,  3.85742188e-02,
-1.80664062e-01,  8.74023438e-02,  1.54296875e-01,  2.49023438e-01,
 3.69140625e-01,  2.85156250e-01,  1.34765625e-01, -2.61718750e-01,
-3.00781250e-01, -2.69531250e-01,  2.20947266e-02, -1.42822266e-02,
-2.49023438e-01,  1.49414062e-01, -9.32617188e-02, -5.35156250e-01,
-1.05468750e-01, -4.37011719e-02,  1.97265625e-01,  2.96875000e-01,
-2.75390625e-01, -2.21679688e-01,  2.03125000e-01,  3.90625000e-01,
-1.92382812e-01,  4.88281250e-02, -9.94873047e-03,  3.86718750e-01,
```

```
         3.04687500e-01, -9.57031250e-02, -2.28515625e-01, -1.89453125e-01,
        -1.55273438e-01,  3.80859375e-02, -1.69921875e-01,  7.86132812e-02,
         1.66015625e-01, -1.98242188e-01,  6.49414062e-02,  3.39843750e-01,
         7.51953125e-02,  2.55859375e-01, -1.66015625e-01,  8.05664062e-02,
         2.27050781e-02, -2.73437500e-01, -3.39355469e-02, -5.34667969e-02,
        -1.11328125e-01, -5.51757812e-02, -1.05957031e-01,  2.48046875e-0
1],
       dtype=float32),
 'automated': array([ 0.00430298, -0.00720215, -0.03833008,  0.06542969, -
0.08398438,
         0.09716797, -0.17089844,  0.30273438,  0.06542969,  0.07910156,
        -0.07519531, -0.06933594,  0.08105469, -0.07470703,  0.265625  ,
        -0.02331543,  0.1015625 , -0.09326172,  0.14746094,  0.25195312,
        -0.07226562,  0.14257812, -0.18554688,  0.28125   , -0.08056641,
         0.06079102,  0.06640625,  0.15722656,  0.23828125, -0.24023438,
        -0.05908203, -0.08740234, -0.16601562, -0.23828125,  0.17480469,
        -0.05493164, -0.12011719, -0.31640625,  0.30859375, -0.15917969,
         0.18945312, -0.02819824,  0.23046875, -0.18066406, -0.05200195,
        -0.36328125, -0.3203125 , -0.2421875 , -0.24804688,  0.07373047,
        -0.14746094, -0.03979492, -0.13183594, -0.32421875, -0.3203125 ,
         0.36328125,  0.03686523, -0.29101562,  0.23339844,  0.19824219,
        -0.012146  , -0.28710938, -0.3046875 , -0.02636719,  0.09326172,
        -0.09912109, -0.38085938,  0.04101562,  0.16601562,  0.06005859,
         0.21582031,  0.17285156,  0.22558594,  0.1875    ,  0.02233887,
        -0.21679688,  0.33007812, -0.16503906,  0.15527344, -0.00151062,
        -0.06591797,  0.08154297,  0.24121094, -0.20898438,  0.23242188,
         0.02038574, -0.07421875, -0.05053711,  0.20800781,  0.12451172,
        -0.08984375, -0.02722168, -0.15332031,  0.03039551, -0.25      ,
         0.26953125, -0.24511719, -0.1875    ,  0.28515625, -0.14160156,
         0.11376953, -0.19042969, -0.05957031, -0.2734375 ,  0.04882812,
         0.07519531, -0.17285156,  0.19238281,  0.23632812,  0.11035156,
         0.07568359, -0.13476562, -0.23339844, -0.02954102,  0.02075195,
         0.26953125, -0.09960938,  0.2109375 ,  0.31054688, -0.08105469,
        -0.07714844, -0.07275391,  0.03637695,  0.0559082 ,  0.08154297,
         0.13378906, -0.12988281,  0.11035156,  0.45117188,  0.140625  ,
        -0.15234375, -0.12792969, -0.19726562,  0.13964844,  0.04785156,
        -0.23046875,  0.25585938,  0.07470703, -0.17871094,  0.00582886,
        -0.02197266, -0.390625  ,  0.05639648,  0.26953125, -0.13085938,
        -0.01220703,  0.12109375, -0.10693359,  0.03198242,  0.05493164,
         0.12304688,  0.07226562,  0.25      , -0.05932617, -0.05249023,
        -0.22753906, -0.19628906,  0.22753906, -0.06079102,  0.07373047,
        -0.27734375,  0.03198242, -0.11181641,  0.15820312,  0.01928711,
        -0.01055908,  0.14160156, -0.25      ,  0.05541992, -0.0625    ,
         0.05322266, -0.21777344, -0.06884766, -0.01623535, -0.02966309,
        -0.00610352, -0.06640625,  0.0234375 , -0.39257812, -0.109375  ,
        -0.25195312, -0.1484375 ,  0.09326172, -0.08056641,  0.11621094,
         0.14746094, -0.27929688,  0.19140625, -0.18457031,  0.16992188,
        -0.44921875, -0.02746582, -0.1484375 ,  0.05297852, -0.16308594,
        -0.12402344, -0.03112793, -0.3984375 , -0.18164062, -0.12988281,
         0.13769531,  0.08056641, -0.17382812,  0.09863281, -0.10986328,
        -0.12597656,  0.13671875, -0.12402344,  0.20605469, -0.3046875 ,
         0.12792969,  0.08496094, -0.07861328, -0.04272461,  0.03979492,
         0.04711914,  0.17480469,  0.15917969, -0.22753906,  0.06591797,
        -0.00476074,  0.15136719, -0.04174805, -0.45507812,  0.08837891,
        -0.24121094, -0.02380371, -0.06982422, -0.1015625 , -0.23925781,
         0.11621094, -0.03466797,  0.078125  ,  0.20117188, -0.33984375,
        -0.02478027, -0.06884766, -0.09912109,  0.1640625 ,  0.00279236,
         0.22558594, -0.31054688, -0.22070312, -0.07470703, -0.22558594,
        -0.21289062, -0.01501465,  0.41015625,  0.18847656, -0.58203125,
        -0.22167969, -0.11523438,  0.10009766, -0.00442505, -0.26171875,
        -0.45898438,  0.26171875, -0.05200195, -0.13964844, -0.12353516,
         0.12402344,  0.01940918,  0.12695312, -0.06640625,  0.04394531,
        -0.2734375 ,  0.07226562, -0.11914062, -0.30664062,  0.0534668 ,
         0.05712891,  0.11181641, -0.22558594, -0.14355469, -0.2109375 ,
```

```
         0.01977539,  0.08544922, -0.0098877 ,  0.48632812,  0.05957031,
        -0.45117188,  0.12792969,  0.05273438, -0.06079102, -0.12792969,
        -0.06640625,  0.22851562,  0.00958252,  0.13476562,  0.1484375 ,
        -0.21386719,  0.13769531, -0.00341797,  0.07666016, -0.19140625,
         0.22460938, -0.03100586, -0.06689453, -0.265625  , -0.05029297],
       dtype=float32),
 'via': array([-8.49609375e-02, -8.39843750e-02, -1.46484375e-01,  1.020507
81e-01,
         4.12597656e-02,  1.28906250e-01, -1.25000000e-01, -1.73828125e-01,
         1.45507812e-01,  1.22070312e-02, -2.02148438e-01, -1.73828125e-01,
        -1.01074219e-01, -1.46865845e-04,  1.47460938e-01, -1.19628906e-01,
         2.06054688e-01,  1.09863281e-01,  7.37304688e-02,  1.77734375e-01,
         6.73828125e-02,  4.58984375e-02, -5.59082031e-02,  8.93554688e-02,
         1.09863281e-01, -2.59765625e-01, -1.99218750e-01,  3.47656250e-01,
         7.08007812e-02,  3.75747681e-04,  6.44531250e-02, -3.22265625e-02,
        -1.42578125e-01, -2.96875000e-01,  6.59179688e-02, -4.02832031e-02,
        -2.28271484e-02, -2.41210938e-01,  4.97436523e-03, -1.79687500e-01,
        -8.74023438e-02,  3.83300781e-02,  3.39355469e-02,  4.29687500e-02,
         1.25976562e-01, -9.08203125e-02,  5.27343750e-02,  8.64257812e-02,
         9.32617188e-02,  8.78906250e-02, -1.02539062e-01,  9.71679688e-02,
         2.14843750e-01, -1.52343750e-01, -1.92382812e-01,  1.15356445e-02,
        -1.22558594e-01,  8.83789062e-02,  1.11328125e-01, -1.46484375e-01,
        -6.98242188e-02, -2.89062500e-01, -4.83398438e-02,  6.83593750e-02,
        -4.51660156e-02, -1.53320312e-01, -1.17675781e-01,  2.00195312e-01,
         1.19628906e-01,  3.47656250e-01,  2.11181641e-02, -1.06811523e-02,
         2.00195312e-01,  3.24707031e-02,  1.07421875e-01, -1.37695312e-01,
         1.29882812e-01,  1.16699219e-01, -1.23046875e-01,  7.95898438e-02,
        -7.76367188e-02, -4.73632812e-02,  2.06054688e-01, -4.39453125e-03,
         2.25585938e-01, -1.14746094e-01, -1.30859375e-01, -7.47070312e-02,
         3.80859375e-02,  1.80664062e-01, -1.41601562e-01,  9.61914062e-02,
        -1.85546875e-01, -2.03125000e-01,  1.22070312e-01,  1.12304688e-01,
        -8.49609375e-02,  7.86132812e-02,  7.95898438e-02,  1.66015625e-01,
         1.80664062e-01, -2.38281250e-01, -1.37329102e-02,  7.03125000e-02,
        -2.92968750e-02,  7.04956055e-03, -1.45507812e-01,  3.24707031e-02,
         1.88476562e-01, -8.25195312e-02, -4.80957031e-02,  7.42187500e-02,
        -3.12500000e-02, -2.63671875e-01, -9.15527344e-03,  1.51367188e-01,
        -1.47460938e-01,  2.38281250e-01,  1.78710938e-01,  2.16796875e-01,
         7.56835938e-02, -2.45117188e-01, -1.71875000e-01,  1.31835938e-01,
        -4.32128906e-02, -1.55273438e-01, -1.29882812e-01,  2.70996094e-02,
         7.51953125e-02,  3.24707031e-02, -1.31835938e-01,  1.02050781e-01,
         1.23901367e-02,  1.13769531e-01, -2.30712891e-02, -7.32421875e-02,
        -3.73535156e-02, -9.76562500e-02, -1.19140625e-01,  1.06445312e-01,
         3.65234375e-01, -1.35742188e-01, -4.22363281e-02,  2.15820312e-01,
         6.68945312e-02,  1.09375000e-01, -7.76367188e-02, -2.18750000e-01,
        -3.78417969e-02,  4.58984375e-02,  3.06640625e-01,  2.69531250e-01,
         5.00488281e-03, -1.87988281e-02,  1.09252930e-02, -2.45117188e-01,
        -2.41210938e-01,  1.28906250e-01, -1.33789062e-01,  2.51464844e-02,
         2.56347656e-02,  2.14843750e-01, -1.25976562e-01,  2.63671875e-01,
        -9.57031250e-02, -3.88183594e-02, -1.48315430e-02,  2.01416016e-03,
        -1.01074219e-01,  1.23901367e-02, -1.99890137e-03, -1.30859375e-01,
         1.35742188e-01, -5.37109375e-02, -1.92382812e-01,  1.36718750e-01,
        -2.40234375e-01, -1.57226562e-01, -2.15820312e-01,  5.63964844e-02,
        -1.06933594e-01, -9.91210938e-02, -1.33789062e-01,  1.37695312e-01,
         6.22558594e-03,  1.55273438e-01, -1.73828125e-01,  9.66796875e-02,
        -3.82995605e-03,  1.49414062e-01,  5.31005859e-03,  8.34960938e-02,
         1.72119141e-02, -1.85546875e-01, -1.03515625e-01, -1.41601562e-01,
        -1.51367188e-01, -1.40625000e-01,  9.08203125e-02, -7.91015625e-02,
         2.65625000e-01, -1.98974609e-02,  1.68945312e-01, -2.91442871e-03,
         1.19018555e-02, -1.72119141e-02,  7.27539062e-02,  1.42578125e-01,
        -4.56542969e-02,  2.38037109e-02,  4.07714844e-02, -2.83203125e-02,
        -1.71875000e-01, -7.17773438e-02, -8.05664062e-02, -6.54296875e-02,
         2.04101562e-01, -7.76367188e-02, -5.63964844e-02,  2.86865234e-03,
        -3.39355469e-02, -1.86767578e-02, -3.99780273e-03, -8.66699219e-03,
        -1.99218750e-01,  8.93554688e-02, -1.39648438e-01,  4.88281250e-02,
```

```
         4.95605469e-02, -1.47460938e-01,  1.68945312e-01, -1.45507812e-01,
         8.83789062e-02, -1.22070312e-01,  1.74804688e-01,  8.36181641e-03,
         1.03027344e-01, -4.76074219e-02,  1.20117188e-01,  1.75781250e-01,
        -4.93164062e-02,  6.34765625e-02, -4.78515625e-02,  3.03955078e-02,
         1.76757812e-01,  1.08642578e-02,  1.21582031e-01,  3.78906250e-01,
         1.14257812e-01, -5.59082031e-02,  1.90429688e-01,  1.69677734e-02,
        -1.09863281e-01,  6.78710938e-02,  1.56250000e-01, -3.61328125e-02,
         7.37304688e-02, -2.63671875e-02,  1.51977539e-02,  5.18798828e-03,
         1.53808594e-02, -1.04370117e-02,  4.71191406e-02,  1.61132812e-01,
         4.02832031e-02, -4.05273438e-02,  2.79296875e-01, -8.59375000e-02,
         1.92382812e-01, -1.18652344e-01,  1.49414062e-01,  1.85546875e-01,
        -1.96533203e-02, -1.54296875e-01,  1.00097656e-01, -2.11914062e-01,
        -1.98974609e-02,  5.34057617e-03,  6.25000000e-02,  1.59179688e-01,
        -1.62109375e-01,  5.78613281e-02, -1.23535156e-01, -2.53906250e-02,
        -2.94189453e-02,  2.12890625e-01, -5.83496094e-02,  1.25976562e-01,
         1.23535156e-01,  1.51367188e-01, -3.46679688e-02, -5.81054688e-02,
         2.07031250e-01,  8.36181641e-03,  5.41992188e-02, -1.46484375e-02,
        -2.05078125e-01, -2.65625000e-01, -1.68945312e-01, -5.10253906e-0
2],
       dtype=float32),
 'quantitative': array([-0.07666016, -0.13574219,  0.11816406, -0.00668335,
-0.06030273,
         0.07519531,  0.18164062, -0.17382812,  0.265625  , -0.11230469,
        -0.10009766, -0.08837891,  0.140625  ,  0.19726562, -0.16601562,
         0.22558594,  0.03222656,  0.07275391, -0.23144531, -0.36914062,
        -0.02099609, -0.23925781, -0.296875  ,  0.28320312,  0.08154297,
        -0.06152344, -0.125     ,  0.05859375, -0.01220703,  0.06982422,
        -0.03540039, -0.13085938, -0.05395508,  0.16699219, -0.18261719,
         0.00411987, -0.14355469,  0.05444336,  0.24804688, -0.21875   ,
        -0.00457764,  0.05053711, -0.09423828,  0.00110626, -0.03369141,
        -0.15429688, -0.23046875, -0.09375   ,  0.02355957,  0.22558594,
         0.04296875, -0.06152344, -0.29101562,  0.11669922, -0.06738281,
         0.13378906, -0.15429688, -0.13964844,  0.12695312, -0.23339844,
        -0.10058594, -0.11376953,  0.265625  , -0.14941406, -0.1640625 ,
         0.07373047,  0.24316406,  0.33203125,  0.453125  , -0.20019531,
         0.10400391, -0.27539062,  0.38085938, -0.00836182, -0.05688477,
         0.00247192,  0.21386719,  0.11914062, -0.1875    ,  0.05664062,
        -0.296875  ,  0.11523438,  0.09863281,  0.12988281,  0.30664062,
         0.20410156, -0.18945312,  0.41210938, -0.0098877 ,  0.03833008,
        -0.04199219, -0.28125   , -0.31054688,  0.57421875, -0.09716797,
         0.13867188,  0.11376953, -0.19433594,  0.18164062, -0.12207031,
         0.12011719,  0.09814453, -0.13867188, -0.11132812,  0.19726562,
        -0.07714844, -0.19726562,  0.15722656,  0.2734375 , -0.1484375 ,
        -0.18359375, -0.1171875 , -0.12402344,  0.05639648,  0.24707031,
         0.08935547, -0.40625   , -0.1875    ,  0.26171875, -0.09863281,
        -0.17578125, -0.05126953, -0.28125   , -0.0030365 , -0.20214844,
         0.01031494, -0.08935547,  0.15429688, -0.13671875,  0.19042969,
        -0.12011719, -0.15820312, -0.05786133,  0.04125977, -0.06738281,
         0.10449219,  0.09130859,  0.03369141,  0.01177979,  0.21679688,
         0.04492188, -0.11962891, -0.11767578, -0.19433594,  0.01434326,
         0.19140625,  0.05517578, -0.03442383,  0.15527344, -0.15917969,
        -0.22167969, -0.01452637, -0.13867188,  0.24902344,  0.17089844,
        -0.35546875, -0.1796875 ,  0.13964844, -0.01940918,  0.10986328,
        -0.24902344, -0.07421875,  0.07128906, -0.02099609, -0.00515747,
         0.05004883, -0.04833984, -0.05444336, -0.10107422, -0.16210938,
         0.01373291, -0.23046875, -0.09277344,  0.15234375,  0.29882812,
         0.3203125 ,  0.06884766, -0.16503906, -0.01831055, -0.05175781,
        -0.09570312, -0.04980469,  0.40625   ,  0.09179688,  0.29492188,
        -0.11572266,  0.17480469,  0.05957031,  0.00106812,  0.16796875,
        -0.265625  , -0.15234375, -0.01226807, -0.47070312,  0.00091171,
         0.01623535,  0.14160156, -0.40820312,  0.00866699, -0.203125  ,
        -0.25390625,  0.140625  , -0.18261719,  0.26757812, -0.25585938,
         0.10351562,  0.0390625 ,  0.11962891, -0.03173828, -0.27148438,
        -0.08642578,  0.06347656, -0.28320312,  0.13964844, -0.16113281,
```

```
         0.0201416 ,  0.07666016,  0.1796875 ,  0.05395508, -0.04516602,
        -0.36132812,  0.20117188, -0.00723267, -0.45703125,  0.11914062,
         0.07080078,  0.296875  ,  0.23242188, -0.16503906,  0.09375   ,
        -0.02954102,  0.18359375,  0.16015625,  0.125     , -0.05029297,
        -0.33398438, -0.1796875 , -0.17480469, -0.06396484, -0.14355469,
         0.15429688, -0.015625  , -0.20605469,  0.16796875, -0.22363281,
        -0.0559082 ,  0.04101562,  0.15332031, -0.22949219, -0.33203125,
        -0.04541016, -0.19726562, -0.21289062,  0.10449219, -0.12304688,
        -0.09472656, -0.08251953,  0.07617188,  0.02099609,  0.22753906,
         0.14257812, -0.24511719,  0.02819824, -0.10791016, -0.22167969,
         0.0859375 , -0.2265625 , -0.26757812, -0.00640869,  0.00119781,
        -0.0559082 ,  0.24121094, -0.20703125,  0.0246582 ,  0.05908203,
         0.3046875 , -0.00195312, -0.09472656,  0.22949219,  0.02856445,
        -0.24511719,  0.06933594,  0.06298828, -0.01538086, -0.03808594,
         0.03076172, -0.23535156, -0.00872803, -0.01928711,  0.0133667 ,
        -0.26953125,  0.11523438,  0.1015625 ,  0.09423828, -0.21484375,
         0.05541992, -0.006073  ,  0.31054688,  0.00485229, -0.08105469],
       dtype=float32),
 'statistic': array([ 2.41210938e-01, -1.34765625e-01,  8.05664062e-02, -3.
39508057e-04,
        -3.36914062e-02,  1.19628906e-01,  1.09863281e-01, -3.44238281e-02,
         5.46875000e-01,  1.98242188e-01,  3.78417969e-02, -3.65234375e-01,
         6.88476562e-02,  5.54199219e-02, -5.98144531e-02,  8.15429688e-02,
        -9.47265625e-02,  8.85009766e-03, -1.49414062e-01, -1.31835938e-01,
         9.27734375e-02,  1.25000000e-01,  6.20117188e-02, -5.37109375e-02,
        -1.44531250e-01,  6.34765625e-02, -8.25195312e-02,  2.21679688e-01,
        -4.37500000e-01,  2.43164062e-01,  4.05273438e-02, -2.13867188e-01,
         1.07910156e-01, -2.83203125e-01,  1.16210938e-01,  1.33789062e-01,
         3.75976562e-02,  3.06640625e-01,  4.46777344e-02,  1.91406250e-01,
         3.08593750e-01,  9.76562500e-02, -2.34375000e-01,  3.30078125e-01,
         4.24804688e-02,  1.10351562e-01, -8.98437500e-02,  1.51367188e-01,
         4.24804688e-02,  9.96093750e-02, -4.32128906e-02,  4.24804688e-02,
         3.02734375e-02, -9.71679688e-02,  2.42187500e-01, -3.82812500e-01,
        -8.93554688e-02,  7.03125000e-02, -2.09960938e-02,  2.74658203e-02,
         1.70898438e-01,  1.65039062e-01, -3.00292969e-02, -3.14453125e-01,
         8.93554688e-02,  9.13085938e-02, -1.91406250e-01, -7.61718750e-02,
         9.47265625e-02,  2.13623047e-02, -1.96289062e-01, -7.66601562e-02,
        -4.17480469e-02, -3.22265625e-01,  1.45507812e-01,  1.81640625e-01,
        -1.83593750e-01,  3.39843750e-01,  1.79687500e-01,  3.22265625e-02,
         5.24902344e-02, -5.27343750e-01,  1.28906250e-01, -3.55529785e-03,
        -1.34765625e-01,  9.81445312e-02,  3.39355469e-02,  7.38525391e-03,
        -5.46875000e-02, -3.28125000e-01,  1.88476562e-01,  5.46875000e-02,
        -1.92382812e-01, -7.66601562e-02, -1.44531250e-01,  1.34277344e-02,
         1.85546875e-01,  1.38671875e-01,  2.65625000e-01, -9.86328125e-02,
         4.78515625e-02,  1.69921875e-01, -1.86523438e-01, -4.00390625e-02,
         7.61718750e-02, -1.43554688e-01, -3.28125000e-01, -1.33789062e-01,
        -1.15234375e-01, -1.85546875e-01,  3.82812500e-01,  4.34570312e-02,
         7.42187500e-02,  1.45507812e-01,  3.56445312e-02,  1.37695312e-01,
         2.03125000e-01,  4.12597656e-02,  1.31835938e-01,  1.61132812e-02,
        -4.49218750e-01,  3.10546875e-01, -2.41210938e-01,  4.12597656e-02,
        -6.03027344e-02,  1.81640625e-01, -1.57226562e-01, -1.03027344e-01,
         8.39843750e-02,  1.80664062e-02, -7.27539062e-02, -2.98828125e-01,
         6.49414062e-02, -1.29882812e-01,  1.69921875e-01,  1.24511719e-01,
        -2.22656250e-01,  1.38878822e-05, -4.37500000e-01,  2.03125000e-01,
         1.36718750e-01, -5.10253906e-02,  2.15820312e-01,  5.17578125e-02,
         1.83593750e-01, -8.17871094e-03,  1.84326172e-02, -1.23046875e-01,
        -3.35937500e-01, -1.13525391e-02, -8.25195312e-02,  2.94921875e-01,
        -3.88671875e-01,  1.67968750e-01, -4.29687500e-02,  1.93359375e-01,
        -1.97265625e-01, -2.06054688e-01,  4.07714844e-02, -3.26171875e-01,
        -2.62451172e-02,  7.37304688e-02,  1.04980469e-01, -2.85156250e-01,
        -2.77343750e-01,  1.80664062e-02,  9.91210938e-02,  1.88476562e-01,
         3.73535156e-02, -1.11328125e-01, -7.11059570e-03,  2.51953125e-01,
        -2.29492188e-01, -1.42578125e-01,  1.54296875e-01,  9.57031250e-02,
         9.66796875e-02, -3.00781250e-01,  1.56250000e-01, -4.16015625e-01,
```

```
         9.03320312e-02, -1.81640625e-01,  1.73828125e-01,  5.39550781e-02,
        -9.61914062e-02,  7.91015625e-02, -9.52148438e-02,  3.24218750e-01,
        -8.15429688e-02,  7.27539062e-02,  1.75781250e-01, -1.27929688e-01,
        -7.22656250e-02, -8.34960938e-02, -2.69531250e-01,  9.08203125e-02,
         9.52148438e-02,  3.26171875e-01, -2.45117188e-01,  2.72216797e-02,
        -1.13281250e-01,  2.05078125e-01, -3.51562500e-01, -5.15136719e-02,
        -2.12890625e-01,  1.11328125e-01,  2.58789062e-02, -1.29882812e-01,
         8.93554688e-02,  1.48925781e-02, -6.07910156e-02,  2.22656250e-01,
         4.93164062e-02, -1.83593750e-01, -4.55078125e-01,  4.58984375e-01,
         1.65039062e-01,  1.62109375e-01, -1.25000000e-01,  2.14843750e-01,
         9.57031250e-02,  3.16406250e-01,  5.00488281e-02, -3.60488892e-04,
        -2.81982422e-02,  6.88476562e-02,  5.07812500e-01, -8.88671875e-02,
         1.09863281e-01,  6.10351562e-02,  3.49426270e-03,  1.34765625e-01,
         4.07714844e-02, -1.85546875e-01, -2.73437500e-01,  5.24902344e-02,
        -2.25585938e-01, -5.24902344e-02,  1.24023438e-01, -1.91406250e-01,
         1.27563477e-02, -6.10351562e-02,  2.14843750e-01, -5.85937500e-01,
        -1.06933594e-01,  4.68750000e-01,  1.47460938e-01,  4.98046875e-01,
        -1.05468750e-01, -1.26953125e-01, -2.00195312e-01, -1.84570312e-01,
         1.87500000e-01, -2.91015625e-01,  1.17675781e-01, -7.12890625e-02,
         1.69921875e-01,  6.74438477e-03,  4.17480469e-02, -1.02539062e-02,
         4.70703125e-01,  2.63671875e-01, -3.46679688e-02, -3.08837891e-02,
         4.37011719e-02,  2.08007812e-01, -5.32226562e-02,  9.22851562e-02,
        -2.61718750e-01, -1.73828125e-01,  1.56250000e-01,  2.32421875e-01,
         9.03320312e-02, -1.26953125e-01, -1.11328125e-01, -6.07910156e-02,
         1.78710938e-01,  7.72094727e-03,  2.23632812e-01, -9.61914062e-02,
        -1.24023438e-01, -1.50146484e-02,  1.94335938e-01, -2.23632812e-01,
        -5.85937500e-01, -2.96875000e-01, -6.98242188e-02,  2.78320312e-02,
         8.54492188e-03,  1.05957031e-01,  9.61914062e-02,  2.55126953e-02,
        -6.54296875e-02, -2.77343750e-01, -2.91015625e-01, -1.39648438e-01,
         2.49023438e-01, -3.11279297e-02,  1.03149414e-02,  1.25000000e-0
1],
       dtype=float32),
 'demonstrating': array([-1.70898438e-01,  1.57226562e-01, -1.70898438e-01,
8.88671875e-02,
         5.88378906e-02, -7.47070312e-02,  7.03125000e-02, -1.86523438e-01,
        -3.95507812e-02,  2.20703125e-01, -3.20312500e-01, -1.38671875e-01,
        -4.54101562e-02,  1.00585938e-01, -1.33666992e-02, -1.71875000e-01,
        -6.29882812e-02,  6.39648438e-02, -3.24218750e-01, -4.49218750e-02,
         9.52148438e-02, -1.46484375e-01, -2.28515625e-01, -6.39648438e-02,
        -9.96093750e-02, -1.79687500e-01, -3.95507812e-02, -4.00390625e-02,
         7.08007812e-02, -3.36914062e-02,  1.76757812e-01, -2.31445312e-01,
         2.18505859e-02,  4.04296875e-01,  4.15039062e-02,  1.80664062e-01,
        -5.93261719e-02, -1.21582031e-01,  1.57226562e-01, -8.10546875e-02,
         3.41796875e-02,  2.46582031e-02,  6.73828125e-02,  8.69140625e-02,
        -1.70898438e-01, -2.01416016e-02, -3.10546875e-01,  1.74804688e-01,
         6.00585938e-02,  7.37304688e-02,  1.14746094e-01, -2.90527344e-02,
        -1.29882812e-01, -1.48437500e-01,  1.06933594e-01,  2.16796875e-01,
        -1.84570312e-01, -1.60156250e-01,  1.41601562e-01,  4.46777344e-02,
         1.53808594e-02,  2.15820312e-01,  2.73437500e-02, -3.84765625e-01,
         8.34960938e-02, -1.07910156e-01, -6.12792969e-02,  2.03125000e-01,
         7.61718750e-02, -8.49609375e-02, -3.88671875e-01,  1.23046875e-01,
         8.88671875e-02,  1.22070312e-02,  2.65625000e-01, -1.26953125e-01,
         2.65625000e-01,  1.67236328e-02,  2.16796875e-01,  1.31835938e-01,
        -3.34472656e-02,  1.25000000e-01, -1.41601562e-01, -4.49218750e-02,
         1.26953125e-01, -1.38671875e-01, -1.97265625e-01, -1.85546875e-02,
        -1.17187500e-01,  9.13085938e-02, -3.54003906e-02, -2.25585938e-01,
         4.19921875e-02,  1.90429688e-02,  8.25195312e-02, -1.65039062e-01,
         2.28515625e-01, -1.36718750e-01, -1.10351562e-01,  5.27954102e-03,
        -2.89306641e-02, -3.08593750e-01,  1.37695312e-01,  1.62109375e-01,
        -4.10156250e-02, -5.68847656e-02, -6.28662109e-03, -1.94335938e-01,
         1.28906250e-01, -9.76562500e-02, -3.90625000e-02, -5.93261719e-02,
        -1.68457031e-02,  1.17187500e-01, -1.55273438e-01, -1.91650391e-02,
         3.71093750e-02, -1.73339844e-02,  2.09960938e-02, -1.68945312e-01,
         1.30859375e-01, -1.69921875e-01, -5.39550781e-02, -2.50000000e-01,
```

```
         1.70898438e-01,  1.47460938e-01, -2.12890625e-01, -2.53906250e-02,
        -8.58306885e-04, -9.61914062e-02,  1.25000000e-01, -2.79235840e-03,
        -1.25000000e-01, -5.61523438e-02,  2.92968750e-01,  3.11279297e-02,
         2.31445312e-01, -1.32446289e-02, -6.83593750e-02,  2.30712891e-02,
        -1.40625000e-01,  1.91650391e-02, -1.18164062e-01, -1.29882812e-01,
        -5.68847656e-02,  6.98242188e-02,  3.05175781e-02, -1.71875000e-01,
         9.22851562e-02,  4.83398438e-02,  6.25000000e-02, -1.31225586e-02,
         4.58984375e-02, -7.17773438e-02, -1.33789062e-01,  8.05664062e-02,
        -1.05468750e-01,  1.57470703e-02, -1.62109375e-01,  5.58471680e-03,
         1.06201172e-02,  1.29882812e-01, -2.14843750e-01, -1.16210938e-01,
        -9.66796875e-02, -1.13281250e-01,  1.25976562e-01,  2.10571289e-03,
        -5.37109375e-02, -9.17968750e-02, -3.78417969e-02, -1.12915039e-02,
         1.63085938e-01,  1.21093750e-01, -1.66015625e-02, -4.83398438e-02,
        -4.34570312e-02, -1.85546875e-02, -5.20019531e-02, -1.35742188e-01,
         6.49414062e-02,  7.32421875e-02,  4.33349609e-03, -5.27343750e-02,
        -6.98242188e-02,  1.23291016e-02, -3.78906250e-01, -2.79296875e-01,
        -7.42187500e-02, -1.71875000e-01, -3.00781250e-01,  7.27539062e-02,
         1.44531250e-01, -1.38671875e-01, -1.51367188e-01, -1.53320312e-01,
         1.24023438e-01, -1.04003906e-01,  2.15820312e-01, -1.14257812e-01,
        -1.15234375e-01,  5.98144531e-02, -5.54199219e-02, -3.22265625e-02,
        -2.89062500e-01,  2.28515625e-01, -4.34570312e-02,  1.21582031e-01,
        -1.06445312e-01, -6.10351562e-02, -1.92871094e-02,  2.96875000e-01,
        -2.91015625e-01, -1.84326172e-02, -2.28515625e-01, -1.90429688e-01,
         1.30859375e-01, -1.17187500e-02, -1.41601562e-01,  1.96289062e-01,
         1.02050781e-01, -6.89697266e-03,  3.24707031e-02,  3.71093750e-02,
        -3.54003906e-02,  1.43554688e-01,  1.56250000e-02,  4.58984375e-02,
         2.19726562e-01, -4.90234375e-01, -8.30078125e-02, -1.77001953e-02,
         1.61132812e-01,  1.51367188e-01, -5.63964844e-02, -1.63085938e-01,
         7.71484375e-02,  2.04101562e-01,  1.96289062e-01,  8.05664062e-02,
        -1.60156250e-01,  2.67333984e-02, -8.93554688e-02,  1.02539062e-01,
         8.64257812e-02, -1.16699219e-01, -2.21679688e-01, -2.63671875e-02,
         1.07421875e-01, -2.50000000e-01, -2.56347656e-02,  3.19824219e-02,
        -1.52343750e-01,  1.18732452e-04,  2.66113281e-02, -7.27539062e-02,
        -5.00488281e-02,  9.37500000e-02, -1.77734375e-01,  6.03027344e-02,
         2.38037109e-03, -2.97851562e-02, -7.91015625e-02,  4.15039062e-03,
         3.17382812e-02,  1.95312500e-01,  2.05078125e-01, -5.10253906e-02,
         1.04980469e-01, -7.23266602e-03,  2.08740234e-02,  1.57226562e-01,
        -1.12792969e-01, -1.97265625e-01,  7.17773438e-02, -1.77001953e-02,
        -2.83203125e-01,  7.95898438e-02, -2.02148438e-01,  1.70898438e-03,
         1.63085938e-01,  2.50000000e-01,  8.00781250e-02, -7.08007812e-02,
        -1.79687500e-01,  4.66308594e-02, -1.40380859e-02, -1.07421875e-01,
         2.67578125e-01,  9.37500000e-02, -9.71679688e-02,  3.06396484e-02,
        -3.00781250e-01,  4.02832031e-02, -7.51953125e-02, -1.66015625e-02,
         1.69921875e-01, -4.63867188e-02,  2.57812500e-01,  1.87500000e-0
1],
       dtype=float32),
 'derive': array([ 0.18164062, -0.13476562, -0.19140625,  0.203125  , -0.21
484375,
         0.17675781,  0.16308594,  0.10986328,  0.20214844,  0.40820312,
         0.15332031, -0.20507812,  0.04443359,  0.60546875, -0.1328125 ,
         0.18945312, -0.23632812,  0.26171875, -0.01483154,  0.21972656,
        -0.43945312, -0.16210938, -0.09912109,  0.0378418 ,  0.19140625,
        -0.296875  , -0.02783203, -0.13476562, -0.12597656, -0.04272461,
        -0.04443359, -0.28515625, -0.49609375,  0.27734375,  0.09814453,
         0.15429688, -0.06591797, -0.03930664,  0.109375  ,  0.01055908,
         0.21191406,  0.34570312,  0.09375   ,  0.12255859, -0.17675781,
        -0.61328125, -0.2890625 , -0.20214844,  0.02807617, -0.08935547,
        -0.14453125,  0.03295898, -0.0612793 , -0.03808594, -0.05273438,
         0.05322266, -0.06542969, -0.20996094,  0.1484375 , -0.17578125,
         0.15332031, -0.02575684,  0.16210938, -0.12255859,  0.08251953,
         0.10791016, -0.28125   ,  0.19042969, -0.02868652,  0.05175781,
         0.11376953, -0.12988281,  0.21875   , -0.19238281,  0.2890625 ,
        -0.19335938, -0.17382812,  0.07519531, -0.01623535,  0.23925781,
         0.03515625, -0.140625  ,  0.00193024,  0.2734375 ,  0.06884766,
```

```
        -0.03442383, -0.02624512,  0.15722656, -0.19726562,  0.09716797,
        -0.078125  , -0.20410156, -0.00604248,  0.10742188,  0.07226562,
        -0.125     ,  0.30273438, -0.02111816,  0.04174805,  0.012146  ,
        -0.0534668 , -0.07666016,  0.0559082 ,  0.04296875, -0.06103516,
        -0.23925781, -0.24121094,  0.01031494,  0.3203125 , -0.04101562,
        -0.17773438,  0.15039062,  0.078125  ,  0.08349609,  0.25195312,
         0.33789062, -0.0703125 , -0.16796875,  0.1875    ,  0.11669922,
        -0.02709961, -0.21289062, -0.25195312, -0.06542969, -0.23632812,
         0.07861328, -0.38476562,  0.00064087,  0.02612305,  0.18554688,
         0.07763672,  0.02832031, -0.07128906, -0.12158203,  0.13476562,
        -0.17675781,  0.27539062,  0.13476562,  0.140625  , -0.03808594,
        -0.0612793 , -0.03344727, -0.3828125 ,  0.25976562,  0.04174805,
        -0.12695312, -0.17480469, -0.27539062,  0.10742188, -0.02526855,
        -0.0456543 ,  0.08251953, -0.20800781,  0.19628906,  0.05664062,
        -0.11962891,  0.04345703,  0.2890625 , -0.01464844, -0.02648926,
        -0.00210571,  0.06542969, -0.19921875, -0.06079102,  0.20410156,
         0.03100586, -0.04833984,  0.02819824, -0.02026367,  0.19824219,
        -0.39257812, -0.40429688, -0.02368164,  0.00622559, -0.01916504,
        -0.24316406,  0.47460938, -0.07177734, -0.16308594, -0.07128906,
        -0.11816406,  0.06933594,  0.25195312, -0.00915527, -0.12890625,
        -0.16601562,  0.09472656, -0.07226562, -0.10546875,  0.02478027,
        -0.10302734, -0.07324219,  0.19628906, -0.09130859,  0.06201172,
        -0.05053711, -0.02624512, -0.30859375,  0.01123047, -0.03735352,
         0.00952148,  0.0177002 , -0.05688477,  0.12451172, -0.35742188,
         0.12988281, -0.10058594, -0.05541992, -0.24804688,  0.078125  ,
        -0.08984375,  0.12451172, -0.03491211,  0.08984375, -0.15429688,
        -0.03088379, -0.06005859, -0.07861328,  0.07763672,  0.12695312,
         0.09619141, -0.05102539, -0.04345703,  0.03442383, -0.21777344,
         0.26171875, -0.06933594, -0.046875  ,  0.11621094,  0.11328125,
         0.44140625,  0.11816406,  0.18457031,  0.18359375,  0.15625   ,
         0.1640625 ,  0.12890625,  0.2578125 , -0.07080078, -0.11669922,
        -0.02416992,  0.11767578,  0.13183594, -0.13183594,  0.16992188,
         0.10498047,  0.08398438,  0.28515625, -0.17285156,  0.14355469,
         0.09960938,  0.27929688,  0.06933594, -0.13964844, -0.20703125,
         0.20800781, -0.296875  ,  0.02307129,  0.02209473,  0.00628662,
         0.04052734, -0.23535156,  0.18554688,  0.26367188, -0.09228516,
         0.04858398, -0.11376953, -0.05908203, -0.09472656, -0.28125   ,
        -0.09765625, -0.04443359,  0.09033203, -0.12890625, -0.06982422,
        -0.10791016, -0.5234375 , -0.1640625 , -0.15722656, -0.00150299,
        -0.09570312,  0.20703125, -0.04516602, -0.16992188, -0.09277344,
        -0.1953125 , -0.0135498 ,  0.2109375 , -0.13769531,  0.07128906,
         0.12109375,  0.36523438,  0.05639648, -0.08447266, -0.21679688,
        -0.04003906,  0.23144531, -0.0859375 ,  0.15039062, -0.13183594],
       dtype=float32),
 'actionable': array([-0.17285156, -0.46484375,  0.16894531, -0.21875   , -
0.34570312,
        -0.06787109,  0.0246582 ,  0.10791016,  0.28320312, -0.11767578,
        -0.16894531, -0.06738281,  0.14941406,  0.56640625,  0.0246582 ,
        -0.23828125, -0.22460938,  0.22167969, -0.25390625, -0.20214844,
         0.02404785, -0.16601562, -0.296875  ,  0.00543213, -0.03808594,
        -0.12890625,  0.16894531, -0.03735352, -0.29101562, -0.30078125,
        -0.25195312, -0.34375   , -0.25390625,  0.13867188, -0.25      ,
        -0.13476562,  0.28125   , -0.25976562,  0.09863281, -0.25390625,
        -0.21191406,  0.08203125,  0.01733398,  0.01409912, -0.16210938,
        -0.34960938, -0.05175781, -0.11767578, -0.02185059,  0.19824219,
        -0.02587891,  0.0390625 , -0.5703125 ,  0.04296875, -0.17871094,
         0.1484375 ,  0.234375  , -0.59375   ,  0.41015625,  0.00473022,
         0.09765625, -0.37695312, -0.22265625, -0.16699219, -0.22949219,
         0.32226562,  0.03088379,  0.13671875,  0.1796875 , -0.26953125,
        -0.07177734, -0.01806641,  0.1328125 , -0.25390625, -0.05859375,
        -0.20410156, -0.03979492,  0.1796875 ,  0.21289062, -0.18164062,
         0.02429199,  0.23046875, -0.09277344,  0.04345703,  0.25      ,
        -0.58203125, -0.05419922,  0.00717163, -0.00646973, -0.05664062,
         0.07324219, -0.47851562, -0.24316406, -0.10888672, -0.12695312,
```

```
        -0.3984375 ,  0.01464844,  0.17773438,  0.44921875,  0.05761719,
         0.18066406,  0.13671875,  0.00872803, -0.17871094, -0.27929688,
         0.14453125,  0.00897217,  0.12255859,  0.109375  , -0.2890625 ,
         0.00750732, -0.19726562, -0.22265625, -0.05859375,  0.390625  ,
         0.26367188, -0.14453125, -0.07714844,  0.2265625 ,  0.21582031,
        -0.515625  ,  0.10302734, -0.00872803,  0.0090332 ,  0.17089844,
        -0.18554688, -0.22558594, -0.05297852, -0.21679688,  0.43945312,
        -0.453125  , -0.28320312,  0.26367188,  0.15917969,  0.1953125 ,
        -0.24121094,  0.22851562, -0.01043701,  0.2109375 ,  0.03417969,
         0.04467773, -0.05078125, -0.01989746, -0.15527344, -0.37304688,
        -0.51953125,  0.05566406, -0.15527344, -0.01263428,  0.03979492,
        -0.03637695,  0.21484375, -0.16113281,  0.12402344, -0.02770996,
        -0.25390625,  0.02661133, -0.09667969, -0.30664062, -0.1796875 ,
        -0.30078125,  0.3046875 , -0.12011719, -0.171875  , -0.4765625 ,
        -0.05712891, -0.01806641, -0.08642578,  0.35546875, -0.04052734,
        -0.13183594, -0.14257812, -0.33203125, -0.29101562, -0.05102539,
         0.12060547,  0.14648438, -0.08251953, -0.34765625, -0.2421875 ,
         0.0123291 , -0.07568359,  0.19628906,  0.10839844, -0.09912109,
         0.13671875, -0.19238281,  0.31445312,  0.05834961, -0.09570312,
        -0.125     , -0.28125   ,  0.1171875 , -0.05737305, -0.05957031,
        -0.21289062, -0.12695312, -0.16015625,  0.40039062, -0.08398438,
        -0.24609375, -0.28515625, -0.02563477,  0.05737305, -0.03466797,
         0.10986328, -0.08886719, -0.13671875, -0.125     , -0.40625   ,
        -0.08300781, -0.06445312, -0.13574219,  0.3359375 , -0.02819824,
         0.47070312,  0.09472656,  0.30859375,  0.17871094,  0.28710938,
        -0.30859375,  0.296875  , -0.08886719, -0.31640625,  0.11572266,
         0.06445312,  0.42382812,  0.09765625,  0.04150391, -0.27539062,
        -0.00741577, -0.14257812, -0.11328125, -0.1796875 , -0.0534668 ,
        -0.11816406, -0.20703125,  0.16210938,  0.10449219,  0.15332031,
        -0.15722656,  0.09814453, -0.109375  , -0.07470703, -0.11914062,
         0.07568359, -0.00799561,  0.3125    , -0.0088501 , -0.33789062,
         0.06640625, -0.03198242, -0.13964844,  0.21289062, -0.10009766,
        -0.16796875, -0.01428223, -0.20898438, -0.20214844, -0.42773438,
        -0.05615234, -0.13769531, -0.15820312,  0.13769531, -0.31835938,
        -0.24804688, -0.1484375 , -0.1796875 , -0.22167969, -0.33398438,
         0.26953125,  0.38476562,  0.08935547,  0.32421875,  0.11376953,
         0.13183594, -0.15234375,  0.24609375,  0.40625   ,  0.24707031,
        -0.46289062, -0.06176758,  0.21582031,  0.171875  , -0.30664062,
         0.09472656, -0.14257812,  0.22460938, -0.04443359,  0.02905273,
         0.06884766,  0.09619141,  0.25195312,  0.27148438,  0.0378418 ,
         0.25976562,  0.21386719, -0.05102539,  0.13964844,  0.17480469],
       dtype=float32),
 'talent': array([-2.06054688e-01,  4.17968750e-01,  1.17187500e-01, -2.307
12891e-02,
         2.71484375e-01,  3.78417969e-02, -1.95312500e-01, -2.51953125e-01,
        -1.05468750e-01, -1.36108398e-02,  2.15820312e-01, -5.41992188e-02,
         1.24511719e-01, -1.10351562e-01,  1.28173828e-02,  1.73828125e-01,
         7.27539062e-02,  3.51562500e-01, -1.04492188e-01, -1.82617188e-01,
        -7.61718750e-02,  8.17871094e-03,  5.92041016e-03,  2.02148438e-01,
         1.45507812e-01, -1.69921875e-01,  3.20434570e-03,  5.09643555e-03,
        -1.86523438e-01, -3.47137451e-04, -3.00781250e-01,  5.00000000e-01,
         1.45507812e-01, -8.69140625e-02,  2.59765625e-01,  2.20947266e-02,
         7.95898438e-02,  1.54296875e-01,  2.09960938e-01,  1.58203125e-01,
         1.27929688e-01, -2.79296875e-01, -1.30859375e-01, -7.81250000e-02,
        -3.02734375e-02, -1.04980469e-01, -1.84570312e-01,  5.66406250e-02,
         1.49414062e-01,  1.02539062e-01, -2.08007812e-01,  1.26953125e-02,
        -3.20312500e-01, -5.58471680e-03, -2.03125000e-01, -1.33789062e-01,
         1.82617188e-01, -3.08837891e-02, -1.17187500e-01, -5.88378906e-02,
         2.53906250e-01, -7.51953125e-02,  6.98242188e-02, -3.20312500e-01,
        -2.73437500e-01, -5.20019531e-02,  9.13085938e-02,  5.59082031e-02,
         1.84570312e-01,  2.92968750e-01, -2.42919922e-02, -3.67187500e-01,
         1.09863281e-01,  1.15722656e-01, -5.52368164e-03,  1.67968750e-01,
        -7.61718750e-02, -1.04492188e-01,  1.73339844e-02, -7.62939453e-05,
         3.41796875e-02,  1.95312500e-01, -8.20312500e-02,  6.22558594e-02,
```

```
         9.58251953e-03, -2.63671875e-01, -3.56445312e-02,  2.63671875e-01,
         3.51562500e-01,  1.59179688e-01, -1.52343750e-01, -2.56347656e-02,
        -3.06640625e-01, -1.52343750e-01,  4.68750000e-02, -2.40234375e-01,
        -2.39257812e-01,  5.54687500e-01,  5.70678711e-03, -3.18359375e-01,
        -2.02148438e-01,  2.10937500e-01,  1.75781250e-01,  4.19921875e-02,
        -4.46777344e-02, -3.16406250e-01,  2.91748047e-02, -2.13867188e-01,
         3.90625000e-02, -1.00097656e-01, -6.10351562e-02,  2.87109375e-01,
        -2.51953125e-01, -8.20312500e-02,  2.32421875e-01,  4.68750000e-02,
         1.64062500e-01, -3.80859375e-01,  6.39648438e-02, -3.28125000e-01,
        -1.41601562e-01, -5.10253906e-02,  1.24023438e-01,  1.28906250e-01,
        -9.09423828e-03,  3.78417969e-02, -8.00781250e-02,  6.22558594e-02,
        -1.47460938e-01,  4.30297852e-03, -1.14746094e-01, -6.20117188e-02,
        -1.51367188e-01,  2.05078125e-01, -1.91650391e-02, -1.37695312e-01,
         7.95898438e-02,  9.13085938e-02,  4.07714844e-02,  7.22656250e-02,
        -2.01171875e-01, -2.50000000e-01,  1.76757812e-01,  3.59375000e-01,
         1.99218750e-01,  1.79687500e-01,  4.16015625e-01,  2.59765625e-01,
         1.75781250e-01,  3.93066406e-02,  9.57031250e-02,  5.00000000e-01,
         2.82287598e-03,  3.00781250e-01, -7.17773438e-02, -7.08007812e-02,
         6.29882812e-02, -4.88281250e-01, -2.27539062e-01, -4.17968750e-01,
         2.00195312e-01,  2.30712891e-02, -7.56835938e-02,  1.45507812e-01,
         1.68945312e-01, -3.90625000e-01,  1.04003906e-01, -2.34375000e-01,
        -8.64257812e-02,  6.59179688e-02,  1.18164062e-01, -4.56542969e-02,
        -5.34667969e-02, -2.10937500e-01, -1.46484375e-01,  9.13085938e-02,
         3.51562500e-01, -3.71093750e-01,  7.91015625e-02, -3.80859375e-01,
         1.04980469e-01,  3.17382812e-02,  2.68554688e-02, -6.93359375e-02,
        -2.91015625e-01,  7.32421875e-02, -5.81054688e-02, -1.68945312e-01,
         2.00195312e-01, -1.02539062e-01, -2.49023438e-02,  2.61230469e-02,
         4.37011719e-02,  7.27539062e-02, -2.55859375e-01,  1.37695312e-01,
        -1.85546875e-01, -2.74658203e-02,  1.04980469e-01, -3.69140625e-01,
        -3.24707031e-02, -1.37939453e-02, -6.00585938e-02, -3.68652344e-02,
        -1.80664062e-01, -3.06640625e-01,  4.73022461e-03, -4.56542969e-02,
         2.13867188e-01,  2.09960938e-01,  3.22265625e-02, -1.34765625e-01,
        -3.85742188e-02, -2.75390625e-01, -6.73828125e-02,  1.00585938e-01,
         2.63671875e-01,  8.66699219e-03,  2.39562988e-03,  2.41210938e-01,
        -5.71289062e-02, -6.98242188e-02, -5.90820312e-02,  1.71875000e-01,
        -1.85546875e-01,  1.41601562e-01,  8.60595703e-03, -2.79296875e-01,
         1.50390625e-01,  1.12304688e-01, -1.70898438e-01, -1.04492188e-01,
        -2.69531250e-01,  9.76562500e-02, -1.26953125e-01, -2.14843750e-01,
         8.36181641e-03, -3.80859375e-01,  1.40625000e-01,  1.77001953e-02,
         8.25195312e-02,  5.10253906e-02, -1.47460938e-01, -1.22558594e-01,
        -5.41992188e-02,  4.83398438e-02,  2.35351562e-01, -2.08984375e-01,
         1.18164062e-01, -4.93164062e-02,  1.07421875e-01, -1.55273438e-01,
        -1.76757812e-01,  3.51562500e-01,  9.61914062e-02, -7.12890625e-02,
         3.12500000e-02,  1.44531250e-01, -2.18750000e-01,  4.27246094e-02,
         1.19628906e-01,  7.47070312e-02,  2.56347656e-02,  2.79296875e-01,
        -1.19140625e-01,  2.69531250e-01, -4.12597656e-02, -4.19616699e-04,
        -4.00390625e-02, -2.96875000e-01, -1.14746094e-01,  8.05664062e-02,
        -3.20434570e-03,  3.05175781e-03, -1.37695312e-01,  4.10156250e-01,
         3.24707031e-02,  1.09375000e-01, -9.27734375e-02,  1.74804688e-01,
        -1.49414062e-01, -1.66015625e-01,  5.24902344e-02,  2.20703125e-01,
        -1.96289062e-01, -6.64062500e-02,  6.73828125e-02,  1.49414062e-01,
         2.11914062e-01,  1.48010254e-03, -6.20117188e-02,  6.49414062e-02,
        -2.19726562e-01, -2.25585938e-01, -2.46093750e-01, -1.39648438e-01,
         3.16406250e-01, -2.45117188e-01, -1.10351562e-01, -1.59179688e-0
1],
       dtype=float32),
 'translating': array([-0.171875  ,  0.00543213, -0.10400391, -0.09326172,
-0.19433594,
         0.25195312, -0.06738281,  0.234375  ,  0.11132812,  0.28710938,
        -0.11328125, -0.30273438, -0.09082031,  0.23730469, -0.30078125,
        -0.12402344, -0.09521484,  0.34570312, -0.00747681, -0.02526855,
        -0.24316406,  0.07617188, -0.09570312, -0.13671875, -0.11083984,
        -0.359375  , -0.04296875, -0.34960938, -0.06347656,  0.23535156,
        -0.1015625 , -0.35742188, -0.05615234,  0.375     , -0.01965332,
```

```
        -0.26367188, -0.11181641,  0.09814453,  0.06445312, -0.22851562,
         0.03686523, -0.10253906,  0.18066406,  0.39453125, -0.11767578,
        -0.30859375, -0.36523438,  0.125     ,  0.21386719, -0.2578125 ,
        -0.03662109,  0.015625  , -0.19628906, -0.24902344,  0.14648438,
         0.23144531,  0.03637695, -0.13964844,  0.08203125, -0.03588867,
        -0.05175781, -0.04003906,  0.17480469,  0.10693359,  0.04272461,
         0.19921875, -0.21777344,  0.08251953,  0.07763672, -0.13769531,
        -0.11083984,  0.1640625 ,  0.15917969, -0.2578125 ,  0.10644531,
         0.04858398,  0.1875    ,  0.21582031,  0.02185059, -0.12695312,
        -0.08251953,  0.12353516, -0.14160156,  0.29492188,  0.25390625,
        -0.03125   , -0.02404785,  0.17480469, -0.03930664,  0.10302734,
         0.09912109, -0.2265625 ,  0.00390625, -0.17382812, -0.13671875,
        -0.1953125 ,  0.19042969,  0.0300293 ,  0.0062561 ,  0.10546875,
        -0.24609375, -0.15625   ,  0.19140625, -0.14746094, -0.01904297,
        -0.05395508, -0.20214844, -0.00463867,  0.11279297, -0.0559082 ,
         0.10644531,  0.08203125, -0.08642578,  0.1328125 ,  0.20996094,
         0.21777344, -0.14941406, -0.10253906, -0.03271484,  0.17089844,
        -0.17773438, -0.01501465, -0.18359375,  0.24707031,  0.05004883,
         0.21875   , -0.14355469,  0.01806641, -0.29882812,  0.07128906,
         0.06445312, -0.52734375, -0.25585938,  0.04980469,  0.2890625 ,
         0.13476562, -0.24023438,  0.01434326,  0.01672363, -0.28125   ,
        -0.10595703,  0.04370117, -0.34179688,  0.07861328, -0.13867188,
         0.00643921, -0.12402344, -0.19824219, -0.16113281, -0.06591797,
         0.203125  , -0.04833984, -0.08935547,  0.19335938,  0.07324219,
        -0.02148438, -0.20117188,  0.40039062, -0.25976562,  0.06396484,
        -0.24707031,  0.06933594, -0.10449219,  0.04858398, -0.20605469,
         0.16503906,  0.26171875,  0.15234375,  0.2578125 , -0.15429688,
        -0.15917969,  0.05102539, -0.07226562, -0.19335938,  0.07324219,
        -0.04296875, -0.14355469, -0.20507812,  0.01135254,  0.00485229,
         0.12304688, -0.33398438, -0.10107422,  0.02880859,  0.03466797,
         0.02709961, -0.06445312, -0.17578125, -0.17089844, -0.09179688,
         0.10302734, -0.05932617,  0.26953125,  0.13476562, -0.2265625 ,
         0.13671875, -0.17382812, -0.11279297,  0.01245117, -0.20117188,
        -0.32421875, -0.02661133,  0.02648926, -0.04541016,  0.01397705,
        -0.24316406, -0.16601562, -0.1640625 , -0.05004883,  0.15136719,
         0.06738281, -0.02111816, -0.07763672, -0.06738281, -0.26757812,
         0.04370117,  0.54296875, -0.18554688, -0.0324707 , -0.15429688,
         0.0098877 ,  0.40625   , -0.05517578,  0.03710938,  0.02429199,
        -0.12451172,  0.02441406, -0.19628906, -0.09814453, -0.20703125,
         0.03393555, -0.16699219, -0.16210938,  0.31835938, -0.10302734,
        -0.02880859,  0.17773438,  0.08105469, -0.08251953, -0.171875  ,
        -0.11376953,  0.22851562, -0.07617188,  0.06347656,  0.2734375 ,
        -0.21386719, -0.09326172,  0.2578125 , -0.21386719, -0.18261719,
         0.02832031, -0.00970459,  0.09863281,  0.34960938,  0.09570312,
        -0.13183594, -0.06347656, -0.06542969, -0.14550781, -0.140625  ,
        -0.03417969,  0.11425781,  0.14746094,  0.10693359, -0.1875    ,
        -0.09472656,  0.40625   , -0.21484375,  0.16894531,  0.0100708 ,
         0.01281738, -0.140625  ,  0.05493164, -0.3984375 ,  0.14550781,
         0.33984375, -0.38476562,  0.13378906, -0.22558594,  0.00579834,
        -0.12890625, -0.26171875, -0.12304688, -0.04370117,  0.24511719,
         0.22851562,  0.28515625,  0.12597656,  0.15527344,  0.22558594,
        -0.20996094,  0.13378906,  0.03173828,  0.02929688,  0.07714844,
         0.14941406,  0.25195312,  0.05004883,  0.25      ,  0.18066406],
       dtype=float32),
 'detailed': array([-0.17675781, -0.18457031, -0.11572266, -0.12109375, -0.
05932617,
        -0.07861328,  0.11621094,  0.00994873,  0.10791016, -0.15722656,
         0.03198242,  0.07275391,  0.02124023,  0.23535156, -0.07568359,
         0.18457031, -0.04199219, -0.02722168, -0.20117188, -0.12158203,
        -0.04907227, -0.05200195, -0.38085938,  0.14257812, -0.0859375 ,
         0.21679688,  0.01599121, -0.11572266,  0.02124023, -0.1875    ,
        -0.02685547, -0.03808594, -0.12695312,  0.18652344, -0.27539062,
        -0.11865234, -0.05566406, -0.19628906,  0.05908203, -0.02807617,
         0.08154297, -0.01171875, -0.08984375,  0.19042969,  0.08935547,
```

```
        -0.1796875 , -0.22167969,  0.05834961, -0.06835938,  0.08984375,
         0.22265625, -0.05859375,  0.06347656, -0.07226562, -0.15722656,
         0.01312256, -0.12695312, -0.40039062,  0.19433594,  0.13476562,
        -0.10302734, -0.14453125, -0.23925781, -0.0067749 ,  0.08105469,
         0.06542969,  0.03808594,  0.03955078,  0.16601562, -0.21777344,
        -0.03979492, -0.0480957 ,  0.31835938, -0.00537109,  0.04174805,
         0.15527344,  0.12890625,  0.22558594,  0.0859375 ,  0.16015625,
        -0.02844238,  0.18359375, -0.09814453,  0.12011719,  0.16015625,
        -0.25585938, -0.07568359,  0.15722656,  0.01300049,  0.08544922,
         0.17675781, -0.17773438, -0.03173828,  0.17285156,  0.02624512,
         0.0078125 , -0.18164062, -0.05419922,  0.13964844,  0.16113281,
        -0.13378906,  0.02709961, -0.13476562, -0.33984375, -0.04101562,
        -0.03039551,  0.06982422,  0.24023438,  0.09375   , -0.04370117,
        -0.06103516, -0.19335938, -0.0291748 , -0.30078125,  0.22265625,
         0.00537109,  0.08007812,  0.03613281,  0.3046875 ,  0.1875    ,
        -0.42382812,  0.01049805, -0.08789062, -0.20605469,  0.08447266,
         0.08544922, -0.06201172, -0.04736328, -0.10986328,  0.109375  ,
        -0.375     , -0.21777344, -0.08984375, -0.00897217,  0.23339844,
        -0.0859375 ,  0.09814453, -0.18359375, -0.03222656,  0.20800781,
        -0.0177002 ,  0.24804688, -0.0703125 ,  0.04003906, -0.10302734,
         0.05371094, -0.1015625 , -0.08154297, -0.27539062,  0.09228516,
        -0.01470947, -0.07910156,  0.08544922,  0.00328064,  0.08496094,
        -0.17480469,  0.03442383,  0.01025391, -0.01489258,  0.15917969,
         0.24023438,  0.10058594,  0.00933838, -0.05786133, -0.05249023,
        -0.01495361,  0.09326172, -0.2109375 , -0.22167969, -0.06689453,
         0.06347656, -0.04418945,  0.07128906, -0.09765625,  0.12695312,
        -0.01104736, -0.11572266,  0.06591797, -0.10791016, -0.06445312,
        -0.11425781,  0.06201172, -0.0291748 , -0.00100708, -0.08300781,
         0.15429688,  0.02868652,  0.07714844, -0.11328125,  0.16601562,
         0.08105469, -0.04956055,  0.01080322, -0.359375  ,  0.20410156,
         0.13769531,  0.07177734, -0.296875  ,  0.04296875, -0.14160156,
        -0.03662109,  0.25976562, -0.18261719,  0.15039062,  0.13671875,
         0.08398438,  0.125     , -0.19042969, -0.00201416, -0.04663086,
        -0.02050781,  0.24316406,  0.05395508, -0.10107422, -0.02050781,
        -0.15332031,  0.27539062,  0.296875  ,  0.23730469, -0.07226562,
         0.20703125, -0.04077148, -0.40039062, -0.2578125 ,  0.22851562,
        -0.37890625, -0.05004883,  0.203125  ,  0.04663086, -0.13574219,
         0.06982422, -0.1875    ,  0.17773438, -0.0402832 ,  0.00650024,
        -0.10107422,  0.1171875 , -0.0456543 ,  0.13867188, -0.30078125,
         0.06445312, -0.05932617, -0.12695312, -0.00485229,  0.0703125 ,
        -0.07373047, -0.08349609, -0.07177734,  0.07128906,  0.10888672,
        -0.0559082 ,  0.36132812, -0.19628906, -0.02868652, -0.11962891,
        -0.07861328, -0.08886719, -0.375     , -0.17089844, -0.03564453,
         0.08105469, -0.16796875, -0.22167969, -0.30078125, -0.06542969,
         0.27929688, -0.28125   , -0.06298828, -0.02734375, -0.07910156,
         0.21972656,  0.31835938, -0.01397705,  0.17871094,  0.20019531,
        -0.03417969,  0.01538086, -0.12695312,  0.01556396,  0.07080078,
        -0.01647949,  0.1171875 , -0.17871094,  0.03637695,  0.03564453,
         0.18066406,  0.02172852,  0.265625  ,  0.27734375, -0.09570312,
        -0.18457031, -0.06591797, -0.01513672,  0.06054688, -0.16015625,
        -0.03393555,  0.03662109,  0.03198242, -0.02648926, -0.15429688],
       dtype=float32),
 'recommendation': array([-0.2890625 , -0.23535156,  0.22851562,  0.1669921
9, -0.30664062,
        -0.12255859,  0.25976562, -0.09765625,  0.13476562,  0.05493164,
        -0.01062012, -0.02392578,  0.20507812, -0.2421875 , -0.32421875,
         0.52734375, -0.08740234, -0.21972656, -0.10205078, -0.14160156,
         0.11474609,  0.14746094,  0.02319336,  0.06396484, -0.06689453,
        -0.20117188,  0.24902344,  0.3515625 , -0.19824219,  0.22167969,
         0.06445312, -0.20214844, -0.18652344, -0.15332031, -0.01019287,
         0.01623535,  0.06396484,  0.27929688, -0.21289062, -0.50390625,
        -0.10498047,  0.07080078, -0.04980469, -0.07177734, -0.30078125,
        -0.06298828,  0.14746094, -0.3359375 , -0.40234375, -0.19335938,
         0.20019531, -0.08105469, -0.1953125 ,  0.24902344, -0.13085938,
```

```
        -0.05004883, -0.13085938,  0.02050781,  0.0378418 ,  0.06933594,
        -0.06689453,  0.23925781, -0.04248047,  0.12207031, -0.00201416,
        -0.05273438, -0.28320312,  0.23535156, -0.18261719,  0.06079102,
        -0.0625    , -0.40820312, -0.01556396,  0.38085938, -0.13769531,
         0.00915527,  0.22851562, -0.06884766,  0.06689453,  0.24804688,
         0.18359375, -0.24023438,  0.22363281,  0.07519531,  0.10498047,
         0.08398438, -0.34960938,  0.03637695,  0.02575684, -0.05493164,
         0.17480469,  0.0625    ,  0.10009766,  0.1328125 ,  0.03735352,
        -0.02441406, -0.14160156, -0.19238281,  0.08740234, -0.31640625,
         0.02709961,  0.01434326,  0.08349609,  0.03466797,  0.05151367,
         0.08935547, -0.27929688, -0.11425781, -0.03417969, -0.34960938,
         0.1875    , -0.19628906, -0.03076172, -0.04370117,  0.24511719,
        -0.140625  , -0.08984375,  0.31835938,  0.10693359, -0.17675781,
        -0.23535156,  0.04296875, -0.40820312, -0.0008316 ,  0.11425781,
         0.03662109,  0.11181641, -0.12695312, -0.03637695,  0.31445312,
        -0.10546875,  0.02026367,  0.08203125, -0.09960938,  0.08691406,
         0.12060547, -0.30078125,  0.18457031,  0.07324219,  0.26953125,
         0.11035156, -0.06933594,  0.05957031, -0.3203125 ,  0.1796875 ,
         0.10791016, -0.04907227, -0.15820312,  0.36132812,  0.13867188,
         0.0703125 ,  0.01623535,  0.03271484,  0.13964844,  0.00695801,
        -0.3125    ,  0.04345703,  0.17382812, -0.28125   , -0.00219727,
         0.10058594, -0.11474609,  0.28710938,  0.13574219, -0.28515625,
         0.08251953,  0.17675781, -0.02697754,  0.140625  , -0.20996094,
         0.20605469,  0.11181641,  0.00811768, -0.00196838, -0.03295898,
        -0.15917969,  0.40429688,  0.05737305,  0.09570312,  0.09375   ,
        -0.06298828, -0.16796875, -0.03271484,  0.20214844,  0.10986328,
        -0.22558594,  0.11669922, -0.16113281,  0.17089844,  0.0625    ,
        -0.37695312, -0.10058594, -0.10205078, -0.10351562, -0.00534058,
        -0.296875  ,  0.27539062,  0.02661133,  0.04736328,  0.00787354,
         0.01794434,  0.125     ,  0.04077148, -0.15722656, -0.00527954,
         0.36132812,  0.08496094, -0.15136719,  0.11376953, -0.2578125 ,
         0.06787109,  0.04907227, -0.06738281,  0.234375  , -0.34960938,
         0.24609375, -0.10742188,  0.2734375 ,  0.078125  ,  0.05322266,
        -0.01330566,  0.03063965, -0.06030273,  0.04248047,  0.10693359,
        -0.3359375 , -0.04003906, -0.06787109,  0.23535156,  0.3046875 ,
        -0.09716797, -0.03515625,  0.02124023,  0.01513672, -0.00958252,
        -0.08935547, -0.12792969, -0.09716797,  0.13574219,  0.08349609,
        -0.00145721, -0.15234375, -0.06201172, -0.33203125, -0.18847656,
         0.2578125 ,  0.06738281,  0.16796875,  0.04638672,  0.13476562,
        -0.01660156,  0.08251953, -0.21386719, -0.01855469,  0.08300781,
         0.10009766, -0.16503906,  0.10791016,  0.04223633,  0.12792969,
         0.18847656,  0.04199219, -0.24023438, -0.08105469,  0.0020752 ,
         0.13964844, -0.00315857, -0.06835938, -0.27929688, -0.06396484,
         0.34375   , -0.18847656,  0.07958984,  0.15820312, -0.04345703,
        -0.15234375,  0.02807617, -0.09472656,  0.02966309,  0.17871094,
        -0.01501465,  0.00387573, -0.05053711,  0.1640625 , -0.09326172,
         0.12060547,  0.01916504,  0.34375   ,  0.18457031, -0.07910156,
        -0.171875  ,  0.08007812,  0.05151367, -0.08251953,  0.2578125 ,
         0.12207031,  0.09082031, -0.21289062, -0.24316406,  0.07910156],
       dtype=float32),
 'suitable': array([-0.2734375 ,  0.03662109,  0.03271484,  0.00454712, -0.
1953125 ,
        -0.05957031,  0.15039062,  0.23144531,  0.06738281, -0.001297  ,
         0.06201172,  0.02172852, -0.16894531, -0.14160156, -0.05444336,
         0.35351562, -0.22167969, -0.10693359, -0.01086426, -0.30078125,
         0.10302734, -0.08496094, -0.25195312,  0.39453125, -0.05200195,
         0.04125977, -0.38867188, -0.11230469,  0.34570312, -0.33398438,
         0.04296875,  0.05078125,  0.05053711,  0.09423828, -0.05664062,
        -0.27929688, -0.15820312, -0.19628906,  0.078125  , -0.30273438,
         0.33984375,  0.12695312, -0.109375  , -0.0123291 , -0.21191406,
        -0.23828125,  0.08349609,  0.21777344, -0.20019531, -0.20019531,
         0.04223633,  0.0378418 , -0.13085938,  0.08105469, -0.32226562,
        -0.19824219,  0.22753906, -0.35546875,  0.24511719, -0.07861328,
        -0.13671875, -0.171875  , -0.1796875 ,  0.06835938, -0.07617188,
```

```
        -0.10595703, -0.25      , -0.09863281, -0.01879883,  0.21289062,
         0.23632812, -0.14746094,  0.1875    ,  0.08496094, -0.26171875,
        -0.12158203,  0.10400391, -0.14941406,  0.12695312,  0.35351562,
         0.05175781,  0.08837891,  0.01062012,  0.1640625 ,  0.26367188,
         0.23730469, -0.08398438, -0.03540039,  0.14257812,  0.30078125,
        -0.03515625, -0.20996094, -0.00701904, -0.05395508,  0.10400391,
        -0.16113281,  0.18652344, -0.03149414, -0.14257812, -0.04418945,
        -0.1875    ,  0.24023438, -0.05664062, -0.046875  , -0.22851562,
        -0.11181641,  0.09912109,  0.08105469,  0.12890625, -0.078125  ,
         0.15917969,  0.05810547, -0.33203125, -0.08691406,  0.40429688,
        -0.30664062,  0.19238281, -0.14257812,  0.06494141,  0.08837891,
        -0.08056641,  0.02819824, -0.19921875, -0.19140625, -0.25390625,
         0.05297852,  0.15527344, -0.12890625,  0.125     ,  0.08935547,
         0.12011719,  0.0378418 , -0.20800781,  0.33984375, -0.13671875,
         0.03833008, -0.2109375 , -0.16113281,  0.03515625,  0.47851562,
        -0.03491211,  0.17480469, -0.03930664,  0.25      ,  0.16699219,
         0.07568359, -0.22851562, -0.01531982, -0.18164062, -0.32617188,
        -0.02709961,  0.01708984,  0.05981445, -0.3046875 , -0.16015625,
        -0.10839844, -0.22363281,  0.06689453, -0.04003906, -0.23144531,
         0.28125   , -0.19433594,  0.25195312,  0.20800781,  0.24023438,
         0.03637695, -0.02502441,  0.15039062, -0.11523438, -0.27929688,
        -0.01818848, -0.11523438, -0.12060547,  0.01757812,  0.16992188,
         0.26757812,  0.140625  , -0.35546875, -0.19921875,  0.22363281,
         0.04077148, -0.25390625, -0.29882812, -0.06542969, -0.06298828,
        -0.04956055, -0.08056641, -0.36328125,  0.2890625 ,  0.06445312,
        -0.37890625, -0.03442383, -0.03100586, -0.10546875, -0.04077148,
         0.10302734,  0.0546875 , -0.21289062,  0.109375  , -0.55078125,
         0.25195312, -0.02685547, -0.10986328, -0.05273438,  0.02087402,
        -0.140625  , -0.14257812,  0.34570312, -0.08203125, -0.08251953,
         0.21875   ,  0.00257874, -0.14257812,  0.04125977, -0.15625   ,
        -0.09130859,  0.11523438, -0.00286865, -0.13769531,  0.33789062,
         0.12304688,  0.11962891, -0.39648438, -0.0009613 ,  0.11572266,
        -0.04467773, -0.14355469, -0.16894531, -0.13476562,  0.09228516,
        -0.12695312, -0.10449219,  0.11865234,  0.1640625 ,  0.12988281,
        -0.00060654, -0.06933594, -0.01916504,  0.00215149,  0.08349609,
         0.08740234,  0.04394531,  0.04858398,  0.11621094,  0.10693359,
        -0.05810547,  0.02539062,  0.20507812, -0.15820312, -0.16015625,
         0.05029297,  0.08349609, -0.02856445,  0.11376953,  0.32421875,
         0.08300781, -0.04663086, -0.05004883, -0.06445312,  0.06640625,
        -0.140625  ,  0.02783203, -0.17773438,  0.25195312,  0.26953125,
         0.12109375,  0.07226562, -0.1015625 ,  0.13769531, -0.17089844,
        -0.11816406,  0.01281738,  0.48242188,  0.24707031, -0.04199219,
        -0.21289062,  0.01818848, -0.2578125 , -0.26171875,  0.06494141,
        -0.06835938, -0.11376953,  0.09423828,  0.09667969,  0.07861328,
         0.15820312, -0.0402832 ,  0.07666016, -0.06494141, -0.00174713,
        -0.20898438,  0.2734375 ,  0.21289062,  0.17871094,  0.20507812,
         0.23632812, -0.08740234, -0.1796875 , -0.37304688,  0.24707031],
       dtype=float32),
 'diverse': array([-2.69531250e-01,  1.38671875e-01, -1.19628906e-01,  1.23
535156e-01,
        -1.51367188e-01, -2.57812500e-01, -1.11816406e-01,  5.10253906e-02,
        -2.58789062e-02, -1.52343750e-01, -4.37011719e-02,  1.34765625e-01,
         5.78613281e-02,  5.02929688e-02, -6.10351562e-02, -5.15136719e-02,
        -2.49023438e-01,  3.32031250e-01, -8.60595703e-03,  4.98046875e-02,
        -1.90429688e-01,  1.10839844e-01, -1.25976562e-01,  9.42382812e-02,
        -2.00195312e-01, -7.86132812e-02, -9.37500000e-02, -1.95312500e-02,
         2.12402344e-02, -2.92968750e-01,  5.05371094e-02,  2.05078125e-01,
        -3.54003906e-02,  8.83789062e-02,  2.22656250e-01,  9.61914062e-02,
         6.05468750e-02, -1.08886719e-01, -1.09375000e-01,  3.85742188e-02,
         3.73535156e-02,  8.44726562e-02, -2.59765625e-01,  7.61718750e-02,
        -3.06640625e-01, -1.10351562e-01, -3.90625000e-01, -3.88183594e-02,
         2.01416016e-02, -1.23046875e-01,  2.59765625e-01, -8.69140625e-02,
        -1.03027344e-01,  7.91015625e-02, -2.18200684e-03,  3.33984375e-01,
         6.03027344e-02, -3.67187500e-01,  5.46875000e-02, -6.17675781e-02,
```

```
         1.30859375e-01,  4.93164062e-02, -9.86328125e-02, -2.12890625e-01,
         2.47070312e-01, -1.42578125e-01, -1.22558594e-01,  3.29589844e-02,
         1.06445312e-01, -2.77709961e-03,  4.39453125e-03, -2.45117188e-01,
         1.79687500e-01,  8.25195312e-02, -8.49609375e-02,  2.04101562e-01,
        -4.22363281e-02, -5.32226562e-02, -1.06811523e-02,  5.81054688e-02,
        -2.01171875e-01, -1.89453125e-01,  8.98437500e-02,  1.07910156e-01,
        -3.44238281e-02, -3.22265625e-01, -7.46093750e-01,  2.88085938e-02,
         4.46777344e-02,  1.99218750e-01,  1.96289062e-01, -1.68945312e-01,
        -2.35351562e-01,  4.61425781e-02, -5.98144531e-02, -1.40625000e-01,
         2.75878906e-02,  1.50756836e-02, -1.66015625e-01, -1.63085938e-01,
        -1.17675781e-01,  1.23535156e-01, -1.50390625e-01,  5.68847656e-02,
        -4.32128906e-02, -1.57226562e-01,  3.26171875e-01, -9.17968750e-02,
         3.28125000e-01, -2.14843750e-01, -8.49609375e-02, -1.29882812e-01,
        -1.23535156e-01, -1.35742188e-01,  3.26171875e-01, -2.11181641e-02,
        -5.39550781e-02, -8.64257812e-02,  2.57812500e-01, -2.04101562e-01,
        -2.11914062e-01, -1.22558594e-01,  5.40161133e-03,  9.17968750e-02,
        -4.12597656e-02,  8.05664062e-02, -1.38549805e-02,  8.54492188e-03,
         4.54101562e-02,  1.04492188e-01,  4.10156250e-02,  5.51757812e-02,
        -4.07714844e-02,  4.83398438e-02, -6.17675781e-02,  8.05664062e-02,
         1.80664062e-01, -2.23632812e-01, -1.00097656e-01, -8.54492188e-02,
        -1.78710938e-01,  2.37304688e-01,  1.66015625e-02,  1.77734375e-01,
         1.79687500e-01, -9.81445312e-02, -8.48388672e-03,  1.76757812e-01,
         3.30078125e-01,  9.64355469e-03,  8.12530518e-04,  1.98974609e-02,
        -8.44726562e-02, -1.15356445e-02, -2.19726562e-02, -1.29882812e-01,
         8.10546875e-02,  3.73535156e-02, -8.20312500e-02, -3.26171875e-01,
        -2.75390625e-01, -1.25000000e-01, -4.41894531e-02,  1.11816406e-01,
         2.89062500e-01,  2.28515625e-01,  5.93261719e-02, -2.44140625e-01,
        -1.72851562e-01,  1.19628906e-01, -1.12304688e-01,  2.29492188e-01,
         7.03125000e-02, -1.02050781e-01,  2.26562500e-01,  1.12304688e-01,
        -1.26953125e-01, -2.87109375e-01, -3.14453125e-01, -1.63085938e-01,
        -2.98828125e-01, -1.45507812e-01, -1.25976562e-01, -1.20117188e-01,
        -2.98828125e-01,  2.52685547e-02, -1.06445312e-01,  1.07910156e-01,
         4.12597656e-02,  1.95312500e-02,  9.61914062e-02, -2.61718750e-01,
         1.55273438e-01, -2.89062500e-01, -1.41601562e-01, -2.24609375e-01,
        -1.20117188e-01, -1.26953125e-01, -5.81054688e-02, -1.72851562e-01,
         7.86132812e-02,  1.65039062e-01, -2.47802734e-02, -1.28906250e-01,
        -2.08007812e-01, -1.64062500e-01, -5.73730469e-02, -1.56250000e-01,
        -1.85546875e-01, -1.64794922e-02, -2.53906250e-01, -1.74560547e-02,
         8.98437500e-02, -1.44531250e-01,  9.57031250e-02,  1.96533203e-02,
         1.83105469e-03,  8.05664062e-02, -1.84326172e-02,  2.25585938e-01,
        -8.54492188e-03, -2.28271484e-02, -2.69531250e-01, -7.47070312e-02,
         2.33154297e-02, -2.24609375e-01,  1.22558594e-01, -6.88476562e-02,
        -2.21679688e-01,  2.02636719e-02, -2.67578125e-01,  2.45361328e-02,
         8.74023438e-02,  3.44238281e-02,  5.83496094e-02, -7.47070312e-02,
        -1.16348267e-04, -1.52343750e-01,  5.49316406e-02,  3.33984375e-01,
        -5.51757812e-02, -1.03515625e-01, -1.20605469e-01,  2.13623047e-02,
        -2.38037109e-02,  1.35742188e-01, -1.00708008e-02, -6.78710938e-02,
        -1.40625000e-01,  4.51660156e-02, -2.08984375e-01,  6.93359375e-02,
        -3.63769531e-02, -9.39941406e-03,  1.89453125e-01, -2.14843750e-01,
        -1.85546875e-01, -2.63671875e-01, -4.19921875e-02, -3.58886719e-02,
         1.58203125e-01, -2.69531250e-01, -8.64257812e-02,  1.99218750e-01,
         1.84570312e-01,  1.11816406e-01, -4.88281250e-02,  4.17480469e-02,
        -2.94921875e-01, -2.61718750e-01, -1.66992188e-01, -6.59179688e-02,
         7.03125000e-02,  1.83593750e-01,  3.88671875e-01, -9.22851562e-02,
        -6.98242188e-02, -5.22460938e-02, -4.17480469e-02,  1.76757812e-01,
        -1.16699219e-01,  1.41601562e-01, -2.57812500e-01, -1.12304688e-01,
        -1.58203125e-01,  1.34765625e-01,  2.34375000e-02, -1.82617188e-01,
         2.47070312e-01,  9.91210938e-02,  3.08837891e-02,  5.24902344e-02,
        -1.58203125e-01,  1.26953125e-01, -2.43164062e-01,  1.54296875e-01,
         2.50000000e-01,  4.54101562e-02,  2.15820312e-01, -1.24023438e-0
1],
       dtype=float32),
 'showcasing': array([-2.55859375e-01,  2.61718750e-01, -5.12695312e-02,
2.03857422e-02,
```

```
 2.63671875e-01, -7.91015625e-02,  1.51367188e-01, -1.66992188e-01,
-4.46777344e-02,  3.67187500e-01,  2.28271484e-02, -1.58203125e-01,
-3.66210938e-02,  4.24804688e-02,  5.61523438e-02, -9.57031250e-02,
-3.66210938e-02,  2.79296875e-01, -1.19628906e-01,  1.19140625e-01,
-2.14843750e-02,  7.12890625e-02, -1.46484375e-01, -4.27246094e-02,
-1.40625000e-01,  1.00097656e-02,  1.81640625e-01,  1.96289062e-01,
 2.00195312e-01, -1.47460938e-01, -1.43554688e-01,  2.90527344e-02,
 4.22363281e-02,  3.65234375e-01,  1.61132812e-01, -1.43554688e-01,
-7.66601562e-02, -2.71484375e-01,  8.20312500e-02, -1.83593750e-01,
 9.61914062e-02,  1.32812500e-01, -3.51562500e-01,  1.99218750e-01,
-2.34375000e-01, -3.00781250e-01, -1.23046875e-01,  1.93359375e-01,
 1.66015625e-01,  2.51953125e-01,  2.11914062e-01,  1.59179688e-01,
 6.25000000e-02, -7.76367188e-02, -4.73632812e-02,  2.24609375e-01,
-4.27246094e-02, -1.19140625e-01,  2.77343750e-01,  1.27929688e-01,
 2.10937500e-01,  3.11279297e-02, -1.43432617e-02, -4.47265625e-01,
 8.54492188e-02,  8.78906250e-03, -2.04101562e-01,  2.08984375e-01,
 1.07910156e-01,  6.88476562e-02, -3.30078125e-01,  1.59179688e-01,
 1.86523438e-01,  7.66601562e-02,  2.09960938e-01, -6.28662109e-03,
 2.57812500e-01, -1.68945312e-01, -9.52148438e-02,  1.00097656e-01,
 3.08837891e-02, -1.64062500e-01, -9.76562500e-02, -1.25976562e-01,
 8.10546875e-02, -1.22558594e-01, -1.57226562e-01, -1.14257812e-01,
 5.41687012e-04,  2.48046875e-01, -5.27343750e-02, -3.65234375e-01,
-2.95410156e-02,  5.88378906e-02, -5.63964844e-02,  2.41699219e-02,
 1.91406250e-01,  2.17285156e-02, -5.56640625e-02, -9.27734375e-03,
-6.64062500e-02, -8.39843750e-02,  1.35742188e-01, -2.36511230e-03,
 5.05371094e-02, -1.64062500e-01,  1.63085938e-01, -1.53320312e-01,
-1.25000000e-01, -4.49218750e-02, -2.77099609e-02,  2.51953125e-01,
-1.64794922e-02,  3.39355469e-02, -8.05664062e-03, -2.84423828e-02,
-7.62939453e-03,  3.11279297e-02,  2.55859375e-01, -3.49609375e-01,
 2.81250000e-01, -1.33789062e-01,  1.47094727e-02, -4.32128906e-02,
 2.61718750e-01, -6.98242188e-02, -2.18750000e-01, -1.67846680e-04,
-9.27734375e-02, -1.96289062e-01,  7.42187500e-02,  1.55273438e-01,
 9.71679688e-02,  1.89453125e-01, -1.89453125e-01,  1.65039062e-01,
 2.86865234e-02, -1.14257812e-01, -1.44531250e-01,  9.22851562e-02,
-5.71289062e-02,  2.60009766e-02, -7.27539062e-02,  3.39355469e-02,
-2.50244141e-03,  8.30078125e-02,  1.97265625e-01, -6.73828125e-02,
-7.08007812e-02,  5.88378906e-02, -1.58203125e-01,  6.49414062e-02,
 1.22070312e-02,  4.76074219e-02, -2.73437500e-01, -1.79687500e-01,
 5.24902344e-02, -2.08984375e-01, -2.67578125e-01, -2.73437500e-01,
 1.00585938e-01, -2.85339355e-03, -1.01562500e-01, -6.34765625e-02,
 1.37695312e-01,  3.71093750e-02,  2.73437500e-01, -7.03125000e-02,
-1.71875000e-01, -1.67968750e-01, -1.88476562e-01,  1.62109375e-01,
 2.65625000e-01, -8.88671875e-02, -4.68750000e-02, -1.57226562e-01,
 1.40625000e-01, -2.26562500e-01, -1.50390625e-01, -5.10253906e-02,
 5.85937500e-02, -5.10253906e-02,  1.59179688e-01, -8.34960938e-02,
-3.37890625e-01,  4.34570312e-02, -3.75000000e-01, -1.58203125e-01,
-8.49609375e-02, -2.29492188e-02, -7.32421875e-02,  2.66113281e-02,
 3.61328125e-01, -1.48437500e-01, -6.59179688e-02, -1.42578125e-01,
 1.37695312e-01,  2.55859375e-01,  1.55273438e-01, -1.22558594e-01,
 5.49316406e-03, -1.03027344e-01, -1.74804688e-01, -5.41992188e-02,
-2.73437500e-01,  2.14843750e-01,  1.44653320e-02, -6.49414062e-02,
-6.78710938e-02,  1.17187500e-01, -4.90722656e-02,  1.92382812e-01,
-5.27343750e-02,  6.62231445e-03,  1.51367188e-01,  9.71679688e-02,
 1.09863281e-01,  4.85839844e-02, -1.15722656e-01,  9.71679688e-02,
 9.76562500e-02,  1.03515625e-01, -2.59765625e-01,  1.66015625e-01,
-1.91406250e-01,  8.69140625e-02, -2.13867188e-01, -8.64257812e-02,
 2.05993652e-03, -3.14453125e-01, -2.29492188e-01, -4.02832031e-02,
-1.98974609e-02,  2.96875000e-01,  3.08593750e-01, -8.88671875e-02,
 6.88476562e-02,  2.90527344e-02,  2.70843506e-04, -4.02832031e-03,
-5.49316406e-02,  1.86523438e-01, -2.55859375e-01, -5.10253906e-02,
 6.05468750e-02,  8.30078125e-02, -1.61132812e-01,  1.01928711e-02,
-2.62451172e-02, -3.45703125e-01,  4.88281250e-02,  1.91406250e-01,
-1.41601562e-01, -1.12304688e-01,  2.13867188e-01,  2.35595703e-02,
-2.67333984e-02,  7.47070312e-02, -2.85156250e-01, -2.06298828e-02,
```

```
        -1.72851562e-01,  1.08886719e-01,  2.59765625e-01, -1.66015625e-01,
         1.90429688e-01,  1.06811523e-02,  2.08984375e-01,  8.39843750e-02,
        -1.62109375e-01,  3.61328125e-02,  3.19824219e-02,  1.17675781e-01,
        -7.86132812e-02, -1.50390625e-01,  3.69140625e-01,  2.01416016e-02,
        -2.34375000e-01,  8.83789062e-02, -2.83203125e-01,  1.46484375e-01,
         2.80761719e-02,  9.27734375e-02, -5.59082031e-02, -1.44653320e-02,
        -2.57812500e-01,  7.47070312e-02, -1.23046875e-01, -1.20117188e-01,
         3.63281250e-01, -3.12500000e-02, -9.03320312e-02, -7.66601562e-02,
        -3.08593750e-01, -5.05371094e-02, -8.78906250e-02, -1.64062500e-01,
         2.32421875e-01, -2.02148438e-01,  1.57226562e-01,  1.33789062e-0
1],
       dtype=float32),
 'bridge': array([ 1.96289062e-01, -2.27050781e-02,  8.00781250e-02, -1.098
63281e-01,
         7.91015625e-02, -1.99218750e-01,  1.29882812e-01, -8.49609375e-02,
         4.17968750e-01, -5.18798828e-03,  1.75781250e-02,  1.15722656e-01,
        -5.34667969e-02, -1.19140625e-01, -1.43432617e-02, -1.37695312e-01,
        -1.09375000e-01, -2.34375000e-01,  1.23046875e-01, -1.74804688e-01,
         3.04687500e-01, -3.10058594e-02, -6.98242188e-02, -3.29589844e-02,
         2.81250000e-01, -3.30078125e-01, -8.78906250e-02,  1.57470703e-02,
         3.98437500e-01, -1.94335938e-01, -2.18750000e-01,  4.88281250e-03,
         6.17675781e-02, -1.12304688e-01,  1.24023438e-01, -6.68945312e-02,
         4.54711914e-03,  2.37304688e-01,  1.58203125e-01, -2.20703125e-01,
        -3.30078125e-01,  1.83593750e-01,  1.64062500e-01, -1.75781250e-01,
        -1.75781250e-01, -2.51953125e-01, -1.24511719e-01,  7.81250000e-02,
        -1.81884766e-02,  4.41406250e-01,  2.77099609e-02,  1.11816406e-01,
        -1.11328125e-01, -1.50390625e-01, -1.42578125e-01,  1.22070312e-01,
        -9.66796875e-02,  1.09375000e-01,  1.04492188e-01, -1.39648438e-01,
         2.10937500e-01, -1.40625000e-01, -1.84570312e-01, -1.95312500e-01,
         1.34765625e-01,  1.65039062e-01, -1.98242188e-01,  1.81640625e-01,
        -2.25585938e-01, -2.42187500e-01,  5.71289062e-02, -2.59765625e-01,
         2.78320312e-02, -2.37304688e-01, -1.15722656e-01,  9.22851562e-02,
        -3.53515625e-01,  4.02832031e-02, -1.16699219e-01, -7.76367188e-02,
        -5.24902344e-02,  1.39160156e-02, -6.98852539e-03, -1.12304688e-01,
        -2.85156250e-01,  3.61328125e-01, -3.41796875e-02, -2.46093750e-01,
         1.55273438e-01,  1.95312500e-01, -3.08593750e-01,  1.10839844e-01,
        -2.12402344e-02,  8.78906250e-02, -2.51953125e-01,  2.22778320e-03,
        -1.53320312e-01,  8.34960938e-02,  6.78710938e-02, -1.00097656e-01,
        -1.52343750e-01,  4.83398438e-02,  2.57568359e-02,  1.49414062e-01,
         2.55859375e-01,  6.34765625e-02,  6.50024414e-03, -2.73437500e-01,
         2.20703125e-01,  7.93457031e-03, -1.02539062e-01, -5.27343750e-02,
         5.10253906e-02, -1.14746094e-01,  2.27539062e-01, -3.00292969e-02,
         1.14440918e-03, -9.22851562e-02, -2.39257812e-01,  1.67968750e-01,
         2.34375000e-01,  1.86523438e-01, -2.43164062e-01,  2.49023438e-01,
         4.49218750e-02, -1.21582031e-01, -2.39257812e-01,  1.94335938e-01,
        -3.71093750e-02,  1.49414062e-01, -2.96020508e-03,  1.66015625e-01,
        -2.20703125e-01, -1.89453125e-01, -1.86767578e-02, -3.29589844e-02,
        -9.81445312e-02, -1.39648438e-01,  2.87109375e-01,  2.47070312e-01,
        -3.75000000e-01,  4.49218750e-02, -6.34765625e-02,  1.50390625e-01,
        -5.68847656e-02, -1.65039062e-01, -3.12500000e-01,  2.03857422e-02,
        -1.53320312e-01, -1.73828125e-01,  2.08984375e-01, -3.12500000e-01,
        -1.10839844e-01, -8.20312500e-02, -2.01171875e-01,  4.71191406e-02,
        -1.52343750e-01, -1.76757812e-01, -8.93554688e-02,  8.64257812e-02,
         1.06933594e-01,  8.39843750e-02,  1.65557861e-03, -1.48437500e-01,
        -2.37304688e-01,  8.42285156e-03,  1.26953125e-01, -3.88671875e-01,
        -2.85644531e-02,  2.12890625e-01, -2.51953125e-01,  2.06054688e-01,
        -7.12890625e-02, -2.19726562e-01,  3.04687500e-01, -2.37304688e-01,
        -1.22070312e-01, -2.91748047e-02, -1.27929688e-01,  3.18359375e-01,
        -3.51562500e-02, -1.27929688e-01, -9.81445312e-02,  5.85937500e-02,
         1.68945312e-01,  9.96093750e-02,  7.51953125e-02, -1.62109375e-01,
         3.65234375e-01,  3.01513672e-02,  2.05078125e-01, -1.71875000e-01,
        -1.16210938e-01, -2.21679688e-01, -9.32617188e-02, -1.67236328e-02,
        -2.16796875e-01,  6.44531250e-02, -1.28906250e-01, -1.73828125e-01,
        -1.38671875e-01, -4.76074219e-02, -7.62939453e-03, -8.15429688e-02,
```

```
         3.14941406e-02, -1.21582031e-01, -3.11279297e-02,  1.75781250e-01,
         9.86328125e-02, -3.19824219e-02, -3.51562500e-01,  9.03320312e-02,
        -1.45507812e-01,  4.73632812e-02, -4.37500000e-01, -1.43554688e-01,
        -1.28906250e-01, -7.86132812e-02,  5.61523438e-02,  2.61718750e-01,
         3.12500000e-01, -2.09960938e-01,  2.34375000e-01, -2.68554688e-02,
         2.18505859e-02, -1.28906250e-01, -2.51953125e-01,  3.00781250e-01,
        -5.34667969e-02,  1.99218750e-01, -5.66406250e-02,  2.72750854e-04,
        -7.17773438e-02, -1.96289062e-01, -1.20605469e-01, -3.35937500e-01,
         7.22656250e-02,  4.24804688e-02,  1.93359375e-01,  1.61132812e-01,
         5.02929688e-02,  1.09863281e-02, -5.05371094e-02, -1.04003906e-01,
         1.58203125e-01, -2.35351562e-01, -3.61328125e-02, -7.22656250e-02,
        -2.50000000e-01, -2.46093750e-01,  1.22558594e-01, -1.66015625e-02,
        -2.35351562e-01,  1.21093750e-01, -3.68652344e-02, -2.18750000e-01,
         3.32031250e-02,  2.12890625e-01, -2.19726562e-01, -1.69921875e-01,
        -1.09863281e-01, -1.03515625e-01, -2.38037109e-03, -1.21093750e-01,
         2.25585938e-01,  3.84765625e-01, -2.81250000e-01, -2.04101562e-01,
        -1.14257812e-01,  2.50000000e-01,  2.53906250e-01, -1.50390625e-01,
         8.83789062e-02, -1.00585938e-01,  3.10546875e-01, -1.87500000e-01,
         1.06933594e-01, -4.64843750e-01, -1.69921875e-01, -2.96875000e-01,
        -1.71875000e-01,  7.66601562e-02, -1.35742188e-01,  2.18750000e-01,
         3.02734375e-01, -8.34960938e-02, -1.67968750e-01,  1.29882812e-01,
         9.91210938e-02, -1.26953125e-01, -8.44726562e-02,  2.39257812e-02,
        -2.34375000e-01,  8.64257812e-02, -1.15356445e-02,  8.54492188e-03,
         9.17968750e-02, -1.76757812e-01,  9.96093750e-02, -2.15820312e-0
1],
       dtype=float32),
 'gap': array([ 0.11962891,  0.06835938,  0.11083984, -0.40429688, -0.06225
586,
         0.02416992, -0.14453125,  0.11914062,  0.05908203,  0.05737305,
         0.04907227,  0.12158203, -0.03759766,  0.265625  , -0.24804688,
        -0.03955078,  0.15429688,  0.07958984, -0.05200195, -0.0859375 ,
         0.09960938,  0.00154114,  0.26171875, -0.24609375,  0.04736328,
         0.01721191, -0.40234375, -0.05541992,  0.29101562,  0.18847656,
        -0.36523438,  0.00897217,  0.14746094, -0.00842285, -0.05712891,
        -0.11376953, -0.14550781,  0.25976562,  0.296875  ,  0.04174805,
        -0.24023438,  0.10546875, -0.125     , -0.08935547,  0.02819824,
        -0.1328125 , -0.0456543 ,  0.29296875,  0.02258301,  0.09130859,
        -0.05224609, -0.18652344, -0.14257812, -0.07666016, -0.31445312,
        -0.0300293 , -0.03588867, -0.00271606,  0.11962891, -0.11425781,
        -0.15332031,  0.02490234,  0.02258301, -0.27929688,  0.11035156,
         0.09716797, -0.21875   ,  0.1796875 ,  0.05810547, -0.00190735,
        -0.57421875, -0.32226562, -0.16796875, -0.11474609, -0.05883789,
         0.38867188, -0.0859375 ,  0.16894531,  0.01104736,  0.34179688,
         0.08691406, -0.02893066, -0.12597656, -0.05639648, -0.27929688,
        -0.00317383, -0.01446533, -0.04833984,  0.03320312,  0.15429688,
         0.05541992,  0.08837891,  0.09814453,  0.18847656, -0.33789062,
        -0.26953125, -0.06298828,  0.05883789, -0.38085938, -0.06787109,
        -0.16796875, -0.21289062, -0.14550781,  0.31640625,  0.11035156,
        -0.09570312, -0.28125   ,  0.20605469, -0.15332031, -0.19726562,
         0.22070312, -0.00276184, -0.19726562,  0.20703125,  0.20703125,
         0.12597656, -0.07861328, -0.23925781,  0.00294495,  0.10791016,
         0.13085938, -0.09765625,  0.0291748 ,  0.34765625, -0.33789062,
        -0.28710938, -0.31640625,  0.07519531,  0.25390625,  0.04663086,
         0.23828125,  0.15429688,  0.28125   , -0.2578125 , -0.18066406,
         0.14550781, -0.01446533,  0.05175781,  0.0267334 ,  0.05517578,
        -0.265625  , -0.08300781, -0.12597656,  0.1953125 , -0.18261719,
        -0.11474609, -0.20898438, -0.06835938, -0.07470703,  0.04321289,
         0.11572266,  0.21582031, -0.06542969, -0.07568359, -0.06591797,
         0.12304688, -0.23730469, -0.17285156, -0.34765625,  0.01153564,
        -0.09179688,  0.01867676, -0.09423828, -0.4140625 , -0.01196289,
        -0.07177734,  0.04150391,  0.05981445, -0.12792969,  0.10009766,
        -0.21582031,  0.10302734, -0.05395508, -0.01141357,  0.27734375,
         0.26367188,  0.00141907, -0.43164062,  0.08740234,  0.59375   ,
        -0.21679688, -0.28320312,  0.20117188,  0.22167969,  0.03149414,
```

```
        -0.23242188, -0.07617188,  0.28515625,  0.33984375,  0.15722656,
         0.22265625, -0.28710938,  0.10449219, -0.06494141, -0.05102539,
         0.11767578,  0.06982422,  0.04418945, -0.11279297, -0.19042969,
        -0.18847656,  0.04882812, -0.05151367, -0.14355469,  0.22363281,
        -0.17773438, -0.109375  , -0.22558594, -0.06201172, -0.02062988,
        -0.20898438, -0.03662109, -0.13671875,  0.13085938, -0.5859375 ,
        -0.05078125, -0.16210938, -0.15234375, -0.03015137,  0.16992188,
        -0.01190186, -0.09570312,  0.03125   ,  0.0291748 , -0.08935547,
         0.00436401,  0.2578125 , -0.13476562,  0.22753906,  0.328125  ,
         0.2734375 ,  0.12451172,  0.265625  , -0.01361084,  0.10449219,
        -0.2734375 , -0.18945312, -0.12988281, -0.03063965, -0.06225586,
        -0.0625    , -0.13476562, -0.00534058, -0.3828125 , -0.02954102,
        -0.08154297, -0.10742188, -0.01635742,  0.10888672, -0.42578125,
         0.13574219, -0.39257812, -0.21289062,  0.34960938,  0.01977539,
        -0.11962891,  0.2265625 ,  0.09423828, -0.26367188,  0.09912109,
         0.10107422,  0.22460938, -0.12695312,  0.08105469, -0.13769531,
         0.02209473,  0.00509644, -0.10595703, -0.04931641,  0.03540039,
        -0.08789062,  0.1015625 , -0.2734375 , -0.05078125,  0.4375    ,
         0.26757812, -0.02624512, -0.47851562, -0.17578125, -0.10302734,
         0.00842285, -0.17382812, -0.43554688,  0.12988281, -0.15527344,
        -0.2890625 ,  0.06884766, -0.11035156,  0.21875   , -0.01525879,
         0.359375  , -0.04785156, -0.390625  , -0.01507568, -0.26367188,
        -0.04760742, -0.01013184, -0.11279297, -0.2265625 , -0.14746094],
       dtype=float32),
 'technical': array([-2.51953125e-01, -1.42578125e-01,  1.97753906e-02, -5.
76782227e-03,
        -8.54492188e-02,  6.83593750e-02,  2.16796875e-01, -9.32617188e-02,
        -1.73828125e-01, -1.05468750e-01, -2.75390625e-01, -2.18505859e-02,
        -2.95410156e-02, -7.91015625e-02, -1.82617188e-01,  7.08007812e-02,
         1.50146484e-02, -2.34375000e-02,  4.49218750e-02, -1.96289062e-01,
        -2.48046875e-01,  1.08398438e-01,  1.46484375e-01,  2.94189453e-02,
         1.96289062e-01, -2.11914062e-01,  3.22265625e-02, -1.10351562e-01,
         1.45507812e-01, -9.86328125e-02, -1.09863281e-02,  6.74438477e-03,
         1.71875000e-01, -1.50390625e-01,  5.10253906e-02, -2.26562500e-01,
        -2.11914062e-01, -7.91015625e-02,  2.12890625e-01, -2.69531250e-01,
         7.08007812e-02,  4.63867188e-02,  4.24804688e-02,  1.72851562e-01,
        -2.12890625e-01,  4.60815430e-03, -1.30859375e-01, -1.02539062e-01,
        -7.81250000e-02,  3.04687500e-01, -3.40270996e-03, -5.78613281e-02,
        -1.50390625e-01,  8.10546875e-02, -2.11181641e-02,  3.78906250e-01,
         2.79296875e-01, -1.66015625e-01,  1.47460938e-01, -1.90429688e-01,
         1.15966797e-02, -1.56250000e-01,  1.48437500e-01, -1.54296875e-01,
        -1.79687500e-01, -3.63769531e-02, -6.34765625e-03,  1.04492188e-01,
         8.49609375e-02,  5.10253906e-02, -1.04980469e-01, -1.10839844e-01,
        -8.98437500e-02, -9.66796875e-02, -2.30468750e-01,  2.12890625e-01,
         2.42919922e-02,  1.69921875e-01, -3.56445312e-02,  7.51953125e-02,
         8.78906250e-02,  1.98242188e-01, -2.14843750e-01,  7.37304688e-02,
         3.61328125e-01, -3.10546875e-01,  1.23535156e-01, -4.58984375e-02,
        -1.03515625e-01,  1.30859375e-01,  1.20117188e-01, -4.41894531e-02,
        -1.36718750e-01,  1.93359375e-01,  2.75390625e-01, -3.10058594e-02,
        -1.70898438e-01, -1.37695312e-01, -1.78222656e-02,  1.93359375e-01,
         2.06054688e-01, -2.90527344e-02, -1.37939453e-02, -8.78906250e-03,
        -8.17871094e-03, -6.56127930e-03,  1.06445312e-01,  2.94189453e-02,
         2.11914062e-01, -1.15234375e-01,  4.12597656e-02,  2.56347656e-02,
        -2.45117188e-01,  1.61132812e-02,  6.29882812e-02,  1.61132812e-01,
        -1.00708008e-02,  4.15039062e-02,  3.28125000e-01, -1.61743164e-03,
        -1.28906250e-01,  1.17187500e-01, -2.50000000e-01,  7.03125000e-02,
         4.44335938e-02,  7.81250000e-02, -3.75000000e-01, -2.36328125e-01,
        -2.42187500e-01,  1.77734375e-01, -1.09863281e-01,  4.88281250e-02,
        -1.50390625e-01,  7.12890625e-02,  1.54296875e-01, -1.97265625e-01,
        -3.93066406e-02, -6.34765625e-02, -1.91406250e-01,  4.98046875e-02,
         1.72119141e-02,  9.81445312e-02,  9.57031250e-02, -3.83300781e-02,
        -1.89453125e-01,  5.12695312e-02, -1.06201172e-02,  1.73339844e-02,
        -6.68945312e-02,  1.32812500e-01, -7.81250000e-02,  1.22558594e-01,
        -1.04980469e-01,  5.27343750e-02, -1.85546875e-01, -3.68652344e-02,
```

```
        -9.81445312e-02,  1.61132812e-01, -1.45507812e-01, -2.19726562e-01,
        -7.11059570e-03,  4.24804688e-02, -4.10156250e-02,  2.81250000e-01,
         2.08007812e-01, -2.35351562e-01,  1.53320312e-01, -1.11694336e-02,
         1.21459961e-02, -1.06933594e-01,  4.27246094e-02, -9.47265625e-02,
         1.35742188e-01, -1.96289062e-01,  1.50390625e-01, -2.83203125e-01,
        -9.61914062e-02, -1.22558594e-01,  1.87988281e-02, -1.56250000e-02,
        -8.48388672e-03, -2.61718750e-01, -1.01074219e-01, -7.27539062e-02,
         1.58691406e-02,  8.72802734e-03, -3.01513672e-02, -5.59082031e-02,
         9.53674316e-04,  3.06640625e-01, -2.48046875e-01, -1.26953125e-01,
        -8.39843750e-02,  6.64062500e-02, -9.42382812e-02,  3.85742188e-02,
         2.49023438e-02, -4.31640625e-01, -8.88671875e-02, -3.63281250e-01,
        -1.61132812e-01,  3.57421875e-01, -3.78906250e-01,  1.06933594e-01,
         2.53906250e-01,  2.12402344e-02, -1.28906250e-01, -3.02734375e-01,
         5.44433594e-02,  9.47265625e-02,  3.61328125e-02, -2.65625000e-01,
        -1.25732422e-02, -2.95410156e-02,  8.20312500e-02, -6.78710938e-02,
         2.02148438e-01,  4.61425781e-02, -1.86523438e-01, -1.10839844e-01,
         8.10546875e-02, -1.01074219e-01, -6.88476562e-02,  2.23388672e-02,
        -3.11279297e-02, -1.74804688e-01,  1.77734375e-01,  1.25000000e-01,
         1.55029297e-02,  1.25000000e-01,  1.20849609e-02, -9.52148438e-02,
        -5.15136719e-02, -1.16699219e-01, -2.40234375e-01,  1.91688538e-04,
         9.27734375e-02,  3.08837891e-02,  5.59082031e-02, -5.49316406e-02,
         3.58886719e-02,  8.30078125e-02, -2.31445312e-01, -1.07421875e-01,
        -1.66015625e-02, -1.29882812e-01, -4.83398438e-02, -2.55859375e-01,
        -1.48437500e-01, -8.39843750e-02,  2.27050781e-02,  1.35742188e-01,
        -1.72851562e-01,  1.52343750e-01,  1.67968750e-01,  7.11059570e-03,
         2.25830078e-02,  1.48437500e-01, -1.66992188e-01,  2.75390625e-01,
         4.90722656e-02,  1.44958496e-03,  5.61523438e-02,  6.25610352e-03,
         3.85742188e-02,  4.83398438e-02, -8.11767578e-03,  1.22558594e-01,
        -2.25585938e-01, -7.91015625e-02,  1.32812500e-01, -1.98242188e-01,
        -2.55859375e-01, -2.36328125e-01,  8.10546875e-02,  2.46093750e-01,
        -5.66406250e-02, -2.06054688e-01, -1.74804688e-01,  3.22265625e-02,
        -2.77343750e-01,  1.12792969e-01,  2.79296875e-01,  4.10156250e-02,
         6.73828125e-02,  1.74804688e-01, -4.12597656e-02, -2.30407715e-03,
         1.07421875e-01, -4.51660156e-02, -4.24804688e-02,  7.08007812e-02,
        -1.25000000e-01, -9.03320312e-02, -8.74023438e-02, -7.56835938e-03,
        -3.80859375e-02,  3.85742188e-02,  7.47070312e-02,  1.44531250e-0
1],
       dtype=float32),
 'toggling': array([ 0.21289062,  0.10009766, -0.23046875,  0.13574219, -0.
0625    ,
         0.34375   ,  0.03125   , -0.04443359,  0.1015625 ,  0.15332031,
        -0.14648438,  0.06347656, -0.30664062,  0.11816406, -0.3515625 ,
         0.14746094,  0.1640625 ,  0.21972656, -0.09326172, -0.33203125,
        -0.03735352,  0.27539062, -0.37695312,  0.11279297, -0.0213623 ,
         0.21875   ,  0.00140381,  0.16210938,  0.1796875 ,  0.03686523,
        -0.00601196, -0.17675781,  0.22460938,  0.31640625, -0.05932617,
        -0.39257812,  0.11816406, -0.00741577, -0.11572266, -0.22558594,
         0.03588867, -0.05566406,  0.41796875, -0.07324219,  0.06445312,
        -0.0703125 ,  0.09619141,  0.09960938, -0.08300781, -0.2265625 ,
        -0.51171875, -0.21679688, -0.01940918, -0.07568359, -0.17089844,
         0.33203125,  0.02087402, -0.23730469, -0.15527344,  0.12597656,
        -0.11572266, -0.02416992,  0.09863281, -0.01525879,  0.30664062,
         0.41796875, -0.08105469, -0.13183594,  0.06201172, -0.17480469,
         0.3203125 ,  0.21777344, -0.08935547, -0.53515625, -0.15039062,
        -0.2578125 ,  0.26171875, -0.02575684, -0.16796875, -0.19042969,
        -0.05957031,  0.34570312,  0.38671875, -0.23828125,  0.609375  ,
         0.24511719, -0.08398438, -0.1171875 ,  0.1015625 ,  0.12158203,
        -0.15039062,  0.01647949, -0.11621094, -0.00286865, -0.0324707 ,
         0.00982666,  0.09570312,  0.07519531, -0.17480469,  0.03442383,
        -0.0534668 , -0.38867188, -0.08007812, -0.30859375,  0.07519531,
         0.16503906, -0.24511719,  0.02893066,  0.09375   ,  0.24902344,
        -0.14453125, -0.06835938,  0.22753906, -0.25195312,  0.11767578,
         0.14160156, -0.05834961,  0.12158203,  0.11132812, -0.02880859,
        -0.2109375 , -0.21679688, -0.07421875,  0.11181641,  0.12988281,
```

```
        -0.23339844, -0.4140625 ,  0.30859375, -0.12207031,  0.24511719,
        -0.08251953, -0.09863281,  0.16113281,  0.09033203,  0.03710938,
        -0.26953125,  0.12207031, -0.2421875 , -0.07861328,  0.16601562,
         0.13867188, -0.41015625, -0.43945312,  0.25195312,  0.03857422,
         0.27929688,  0.01721191, -0.06542969, -0.19921875, -0.28125   ,
         0.11621094, -0.29101562, -0.21875   , -0.17285156, -0.38476562,
        -0.05932617, -0.16601562, -0.12402344, -0.18359375,  0.5078125 ,
        -0.25976562, -0.03613281, -0.03442383,  0.08984375, -0.265625  ,
        -0.04614258, -0.19628906,  0.24023438,  0.14257812, -0.10058594,
        -0.23242188, -0.10205078, -0.16015625,  0.10546875,  0.04614258,
        -0.13867188,  0.16210938, -0.34960938,  0.08154297,  0.13964844,
        -0.4453125 , -0.12353516, -0.08691406,  0.0098877 ,  0.39453125,
         0.41601562, -0.41992188, -0.24023438,  0.03637695, -0.42382812,
         0.02429199, -0.31640625, -0.04052734, -0.08398438, -0.09912109,
         0.43554688, -0.1953125 , -0.23632812,  0.10351562, -0.1796875 ,
         0.22949219,  0.3828125 , -0.07763672,  0.09326172,  0.37695312,
         0.08691406, -0.28320312,  0.03320312, -0.00125122,  0.12109375,
         0.18945312,  0.03149414, -0.04248047, -0.01251221, -0.22363281,
        -0.46875   ,  0.00689697,  0.08642578, -0.09716797, -0.13574219,
        -0.11230469,  0.09472656, -0.09960938, -0.01586914, -0.47460938,
         0.0559082 , -0.32617188,  0.10839844,  0.07128906, -0.03759766,
        -0.16992188,  0.19433594,  0.13574219,  0.23828125,  0.00393677,
        -0.33398438,  0.0625    , -0.2421875 , -0.00488281,  0.24902344,
         0.26367188, -0.20996094,  0.00250244, -0.35546875, -0.13476562,
        -0.09960938, -0.296875  ,  0.12158203,  0.04321289, -0.30078125,
        -0.03637695,  0.15820312, -0.3125    ,  0.21484375,  0.19433594,
        -0.31640625,  0.03051758,  0.08691406,  0.22460938,  0.3671875 ,
         0.3984375 , -0.20214844,  0.50390625, -0.10253906, -0.38671875,
         0.18652344,  0.19628906, -0.06079102, -0.48242188,  0.23242188,
         0.04980469,  0.01495361, -0.19140625, -0.01251221,  0.11669922,
         0.05297852, -0.20507812, -0.03442383, -0.18359375,  0.10400391,
         0.07861328, -0.00671387, -0.38476562, -0.12060547,  0.05517578,
         0.1953125 , -0.13085938,  0.07763672,  0.24121094,  0.18554688,
         0.1015625 ,  0.55859375, -0.03198242, -0.21289062,  0.04248047,
        -0.3125    ,  0.09716797, -0.0378418 ,  0.10888672,  0.29492188],
       dtype=float32),
 'intricacy': array([ 0.47070312, -0.06542969, -0.28710938,  0.203125  , -
0.18554688,
         0.23144531,  0.40234375, -0.14746094,  0.06347656,  0.1015625 ,
        -0.20703125, -0.25585938, -0.13867188, -0.12207031, -0.01550293,
         0.0324707 , -0.03759766,  0.3046875 , -0.22167969, -0.28320312,
        -0.44726562, -0.28710938, -0.00265503,  0.34570312,  0.07666016,
        -0.25390625, -0.10693359, -0.36523438, -0.27148438, -0.21191406,
        -0.41601562,  0.29101562,  0.19042969, -0.02392578,  0.21582031,
         0.0043335 ,  0.06738281, -0.06298828,  0.08203125, -0.0378418 ,
         0.21484375,  0.07080078, -0.2578125 ,  0.21289062, -0.19921875,
        -0.14257812, -0.09228516,  0.22363281,  0.09326172, -0.12597656,
        -0.31445312,  0.22753906, -0.03039551, -0.234375  ,  0.15722656,
         0.18554688,  0.09033203, -0.07861328, -0.15234375, -0.08740234,
         0.31445312, -0.25195312,  0.01123047, -0.23242188,  0.18945312,
        -0.17675781, -0.36523438,  0.07128906,  0.06396484,  0.09619141,
         0.17382812, -0.18554688,  0.03857422, -0.1484375 , -0.14355469,
        -0.19628906,  0.06152344, -0.04150391, -0.02954102,  0.0189209 ,
        -0.35546875,  0.0625    , -0.03271484,  0.02514648,  0.01287842,
        -0.10693359,  0.11035156,  0.27929688,  0.04663086,  0.1328125 ,
         0.09277344, -0.07324219, -0.19140625,  0.18359375,  0.02600098,
        -0.03076172, -0.13378906, -0.34765625, -0.23925781, -0.03125   ,
         0.09179688,  0.03149414, -0.1015625 , -0.21386719, -0.16992188,
         0.12792969, -0.05859375,  0.20117188, -0.09716797, -0.11523438,
         0.15625   ,  0.12988281, -0.08544922,  0.265625  ,  0.26757812,
        -0.171875  ,  0.02001953, -0.09863281,  0.2734375 ,  0.06640625,
        -0.15234375,  0.07128906,  0.17089844,  0.24316406,  0.02075195,
         0.30078125, -0.14550781,  0.09179688, -0.04736328,  0.30273438,
        -0.00897217,  0.32421875, -0.13867188, -0.11474609,  0.03491211,
```

```
         0.15136719, -0.09472656, -0.2578125 , -0.1953125 , -0.0144043 ,
         0.05541992, -0.20410156, -0.37304688,  0.23242188, -0.06005859,
         0.52734375,  0.04541016,  0.22460938, -0.18554688,  0.10888672,
        -0.00509644,  0.16503906, -0.03344727, -0.03955078, -0.06787109,
        -0.359375  , -0.23730469, -0.03613281, -0.13476562, -0.05200195,
         0.13769531, -0.15820312, -0.02099609,  0.05932617, -0.38476562,
        -0.09082031,  0.23828125, -0.6015625 ,  0.00361633,  0.31835938,
        -0.07470703, -0.03344727, -0.33007812,  0.22558594,  0.04394531,
        -0.08251953, -0.08398438,  0.07177734,  0.32617188, -0.36523438,
        -0.17089844,  0.07177734,  0.13964844, -0.07958984,  0.01672363,
        -0.00125122,  0.32226562, -0.37695312, -0.13085938,  0.03491211,
         0.34375   ,  0.06640625, -0.11425781,  0.09033203, -0.00213623,
        -0.08886719,  0.09423828, -0.11865234, -0.19140625, -0.09814453,
        -0.03063965,  0.35351562, -0.26171875,  0.05273438,  0.12890625,
         0.12060547, -0.04321289,  0.00454712, -0.00610352,  0.01782227,
        -0.16894531, -0.09814453, -0.10644531, -0.25      , -0.19335938,
        -0.31054688,  0.015625  ,  0.15917969, -0.16796875,  0.06542969,
         0.08349609,  0.1484375 , -0.16308594,  0.22753906, -0.1875    ,
        -0.23535156,  0.24121094,  0.06933594,  0.09619141,  0.26757812,
        -0.01025391, -0.04541016, -0.01831055,  0.17089844,  0.06738281,
        -0.28710938, -0.01116943, -0.02282715, -0.01037598, -0.20117188,
        -0.24804688, -0.25585938, -0.33007812, -0.23828125,  0.25976562,
        -0.11230469, -0.01556396, -0.12988281,  0.00405884,  0.08300781,
         0.22851562,  0.22070312,  0.1796875 ,  0.06787109,  0.09375   ,
        -0.33398438,  0.09082031, -0.36328125, -0.07617188,  0.23339844,
         0.12597656, -0.20410156, -0.41210938, -0.33984375, -0.20605469,
         0.29296875, -0.16015625, -0.32421875, -0.01141357, -0.07080078,
        -0.27148438, -0.13574219,  0.03710938,  0.04394531,  0.26171875,
         0.19921875, -0.01916504, -0.04077148, -0.21191406,  0.18457031,
        -0.07568359, -0.07958984,  0.12011719, -0.00238037,  0.08837891,
        -0.0534668 , -0.16210938,  0.13378906,  0.12988281,  0.20996094,
        -0.23632812, -0.18164062, -0.04418945,  0.05371094, -0.2109375 ,
         0.07958984,  0.37890625, -0.05883789,  0.05834961,  0.00567627],
       dtype=float32),
 'broader': array([-2.73437500e-02, -7.71484375e-02, -1.38671875e-01,  2.69
531250e-01,
        -2.29492188e-01, -1.49414062e-01,  7.95898438e-02, -3.61328125e-02,
         1.19140625e-01, -2.55859375e-01, -2.51953125e-01,  1.47460938e-01,
         1.94335938e-01,  1.19140625e-01, -1.85546875e-01, -1.26953125e-01,
         1.33666992e-02, -3.58886719e-02,  1.70898438e-01, -1.99218750e-01,
        -1.01562500e-01,  1.68457031e-02, -1.61132812e-01,  1.05468750e-01,
        -8.25195312e-02, -8.93554688e-02, -2.00195312e-01,  8.78906250e-02,
         3.39843750e-01, -4.44335938e-02, -1.30859375e-01,  1.04492188e-01,
        -1.11816406e-01, -2.24609375e-01,  2.26562500e-01, -1.40625000e-01,
         7.42187500e-02,  3.83300781e-02,  1.30859375e-01,  1.01562500e-01,
        -5.29785156e-02,  4.00390625e-02,  5.15136719e-02,  5.73730469e-02,
        -1.36718750e-01,  2.87109375e-01, -1.43554688e-01,  1.15966797e-02,
         4.14062500e-01, -2.15820312e-01,  3.65234375e-01, -8.39843750e-02,
        -2.53906250e-01, -6.83593750e-02,  2.61718750e-01,  2.09960938e-01,
        -1.02539062e-02, -1.72851562e-01,  1.29882812e-01, -1.74804688e-01,
        -1.70898438e-01,  1.52343750e-01,  1.40625000e-01,  9.57031250e-02,
         2.65502930e-03, -1.56250000e-01, -5.10253906e-02,  1.27929688e-01,
         1.66015625e-01,  3.58886719e-02, -3.29589844e-02, -3.99780273e-03,
         3.37890625e-01,  1.78710938e-01, -7.27539062e-02, -2.41210938e-01,
         2.89062500e-01,  1.66015625e-01, -1.39770508e-02, -8.05664062e-02,
        -2.21679688e-01,  7.95898438e-02, -8.93554688e-02,  3.06640625e-01,
        -7.51953125e-02, -4.88281250e-02, -4.23828125e-01,  1.44531250e-01,
         7.53784180e-03,  1.21093750e-01,  2.18750000e-01, -2.61718750e-01,
        -2.87109375e-01, -1.12792969e-01,  1.44531250e-01, -6.98242188e-02,
         1.57226562e-01,  2.49023438e-02, -1.17187500e-01, -8.83789062e-02,
         2.62451172e-02, -1.10351562e-01,  1.23535156e-01, -9.03320312e-02,
        -2.02148438e-01, -5.24902344e-02,  1.55029297e-02, -8.30078125e-02,
         1.39648438e-01, -2.24609375e-01,  2.60009766e-02, -8.34960938e-02,
         5.32226562e-02,  5.37109375e-02,  1.65039062e-01,  1.05957031e-01,
```

```
         8.59375000e-02, -5.39550781e-02,  5.07812500e-01,  7.66601562e-02,
        -9.61914062e-02,  1.24511719e-01, -3.69140625e-01,  8.93554688e-02,
         6.39648438e-02, -8.54492188e-02,  9.08203125e-02, -8.05664062e-02,
        -3.63769531e-02,  7.27539062e-02,  9.64355469e-03,  8.93554688e-02,
        -1.22070312e-01,  1.57470703e-02,  8.74023438e-02, -4.00390625e-02,
         2.85156250e-01, -1.69921875e-01,  8.25195312e-02, -1.26953125e-01,
         1.56250000e-02,  1.33666992e-02, -7.27539062e-02, -4.07714844e-02,
         6.05468750e-02, -3.84765625e-01, -1.90429688e-01,  1.29882812e-01,
         3.61633301e-03, -1.97753906e-02,  9.27734375e-02, -7.37304688e-02,
        -2.46093750e-01,  6.98242188e-02, -9.22851562e-02,  5.32226562e-02,
        -1.65039062e-01, -2.17773438e-01, -2.57812500e-01,  5.00488281e-02,
         2.30712891e-02,  3.41796875e-02,  4.88281250e-02, -6.17675781e-02,
         1.07421875e-01,  2.34375000e-01,  1.53320312e-01, -9.81445312e-02,
         6.73828125e-02,  1.16699219e-01,  1.21093750e-01, -1.23901367e-02,
         1.56250000e-02, -1.49414062e-01,  3.73046875e-01,  4.80651855e-04,
         1.66015625e-01, -5.68847656e-02, -1.68945312e-01, -2.35595703e-02,
        -3.43750000e-01,  1.95312500e-03, -1.92382812e-01, -1.31835938e-01,
         8.30078125e-02,  3.06640625e-01, -1.79443359e-02,  1.13281250e-01,
        -1.95312500e-02,  1.09863281e-01,  4.51660156e-03, -2.14843750e-01,
         1.52343750e-01, -1.34765625e-01, -1.33789062e-01, -1.33789062e-01,
        -1.34765625e-01, -7.03125000e-02,  1.41601562e-01, -1.46484375e-01,
        -4.39453125e-03,  5.95703125e-02,  6.98242188e-02,  3.80859375e-02,
         2.20703125e-01,  1.87500000e-01,  2.34375000e-01,  4.22363281e-02,
        -1.98242188e-01, -1.29882812e-01, -2.75390625e-01,  6.15234375e-02,
         3.71093750e-02,  3.16406250e-01, -1.14135742e-02, -1.82617188e-01,
         1.31835938e-01,  1.38671875e-01,  1.58203125e-01,  2.05078125e-01,
        -3.78417969e-02, -3.05175781e-02,  2.97546387e-03, -3.01513672e-02,
        -2.44140625e-01, -3.28125000e-01, -3.80859375e-02,  1.09375000e-01,
        -3.41796875e-02,  1.82617188e-01, -2.63671875e-01, -4.85839844e-02,
         1.47460938e-01,  2.83203125e-02, -5.00488281e-02, -1.23046875e-01,
        -1.04370117e-02,  1.77734375e-01,  1.39648438e-01,  3.22265625e-02,
        -3.54003906e-02,  1.10839844e-01, -2.12402344e-02,  2.25585938e-01,
        -9.76562500e-02, -2.49023438e-02,  5.07812500e-02,  1.72119141e-02,
         4.41894531e-02,  1.77734375e-01, -1.60156250e-01,  2.61718750e-01,
        -2.89306641e-02, -5.76171875e-02,  8.44726562e-02, -5.29785156e-02,
         4.15039062e-02,  2.77099609e-02,  6.86645508e-03,  2.23388672e-02,
        -7.81250000e-02, -2.51953125e-01, -1.94335938e-01, -9.81445312e-02,
         7.76367188e-02, -9.52148438e-03, -1.26953125e-01, -3.16406250e-01,
        -3.06640625e-01,  9.32617188e-02, -1.74804688e-01,  1.91650391e-02,
         5.98144531e-02,  4.12597656e-02,  1.62353516e-02, -6.12792969e-02,
         2.39257812e-02, -9.47265625e-02,  6.20117188e-02,  2.96875000e-01,
        -2.17773438e-01, -1.07574463e-03,  3.08837891e-02,  1.93359375e-01,
        -4.44335938e-02,  2.09960938e-01,  1.81640625e-01,  8.69140625e-02,
        -3.44238281e-02, -1.65039062e-01, -7.08007812e-02, -1.22558594e-01,
         2.73437500e-02,  5.05371094e-02, -1.63085938e-01,  1.58203125e-01,
         2.06054688e-01,  2.12890625e-01,  2.02148438e-01, -1.65039062e-0
1],
       dtype=float32),
 'objective': array([-0.08251953,  0.04101562,  0.26367188,  0.0062561 , -
0.07421875,
         0.21875   ,  0.421875  ,  0.13183594,  0.23046875, -0.11425781,
        -0.2265625 , -0.11914062,  0.37109375,  0.11376953, -0.08544922,
         0.13867188, -0.12792969, -0.10644531,  0.13867188, -0.15917969,
         0.03833008,  0.16015625,  0.05224609,  0.30078125, -0.01721191,
        -0.09472656,  0.04003906,  0.16992188,  0.01782227, -0.07470703,
         0.21484375, -0.3046875 ,  0.0213623 , -0.05688477, -0.11083984,
         0.38476562, -0.04638672,  0.10009766,  0.25585938, -0.24023438,
        -0.06982422,  0.02941895, -0.12890625,  0.2578125 , -0.05834961,
        -0.30859375,  0.03515625, -0.00076675, -0.1484375 ,  0.21875   ,
        -0.07763672, -0.11523438, -0.06884766,  0.11328125,  0.1484375 ,
         0.02246094, -0.16699219, -0.18652344,  0.00112915, -0.13671875,
        -0.07519531, -0.03222656,  0.01269531, -0.12792969,  0.109375  ,
         0.12109375, -0.09960938,  0.31054688,  0.15820312, -0.03393555,
        -0.25585938, -0.07666016,  0.25585938, -0.07910156, -0.15527344,
```

```
        -0.125     ,  0.21679688,  0.05664062, -0.14257812,  0.06787109,
        -0.02734375, -0.07714844,  0.00860596,  0.17675781, -0.08349609,
        -0.15625   ,  0.14941406, -0.04443359,  0.14550781,  0.14550781,
         0.21289062, -0.26757812, -0.27734375,  0.015625  ,  0.20507812,
        -0.17089844,  0.01434326, -0.02868652,  0.02893066,  0.00233459,
        -0.06298828,  0.20214844, -0.19921875,  0.00382996, -0.02490234,
         0.07763672, -0.05981445,  0.12695312,  0.06982422, -0.09765625,
        -0.328125  , -0.22167969, -0.1875    , -0.02941895,  0.1015625 ,
         0.29296875, -0.15332031,  0.04003906, -0.16601562,  0.13378906,
         0.05053711,  0.04467773, -0.05712891, -0.1328125 , -0.14355469,
        -0.03955078, -0.19726562, -0.1640625 , -0.17773438,  0.11328125,
        -0.07275391, -0.28125   ,  0.07128906, -0.09814453, -0.109375  ,
         0.02575684, -0.05493164,  0.01123047,  0.20800781,  0.17480469,
         0.27539062, -0.09277344,  0.10009766,  0.14648438, -0.15136719,
        -0.1484375 , -0.42578125, -0.11035156,  0.0324707 , -0.05224609,
        -0.21191406,  0.1640625 ,  0.0390625 ,  0.17675781, -0.03930664,
        -0.05200195, -0.05664062, -0.140625  , -0.15332031,  0.10986328,
        -0.08935547,  0.30078125,  0.265625  , -0.04663086, -0.02722168,
        -0.1328125 ,  0.01257324,  0.04711914,  0.22265625, -0.08789062,
         0.14160156, -0.13378906, -0.00245667, -0.15429688,  0.01953125,
        -0.06933594,  0.11328125, -0.38671875,  0.00393677, -0.20898438,
        -0.46484375, -0.140625  ,  0.08789062,  0.05493164,  0.02783203,
        -0.14453125,  0.09814453,  0.00335693,  0.15136719,  0.21972656,
        -0.48242188, -0.08691406,  0.03369141, -0.078125  , -0.09863281,
        -0.15429688,  0.23925781,  0.31054688,  0.14355469, -0.10986328,
         0.25      ,  0.23242188, -0.06640625, -0.18261719, -0.07177734,
        -0.02685547,  0.00653076,  0.15429688,  0.05834961, -0.02050781,
         0.01055908,  0.26757812, -0.13867188,  0.05078125, -0.11816406,
         0.00337219,  0.05322266,  0.10888672,  0.08203125,  0.09863281,
        -0.109375  ,  0.04663086,  0.04248047, -0.06884766, -0.03564453,
         0.01660156,  0.18359375,  0.15039062,  0.06298828,  0.18457031,
        -0.1328125 , -0.09033203, -0.03076172,  0.00915527, -0.18066406,
        -0.00196838, -0.20898438,  0.09228516, -0.24414062,  0.15136719,
        -0.11035156,  0.11621094,  0.07373047,  0.09130859, -0.10888672,
         0.34570312,  0.15917969,  0.00332642, -0.00619507,  0.02368164,
         0.09912109, -0.06689453,  0.171875  ,  0.11132812, -0.05834961,
         0.08886719, -0.14746094, -0.31445312, -0.12597656, -0.15332031,
         0.19335938, -0.0378418 ,  0.29296875,  0.12451172,  0.09521484,
         0.15527344,  0.00106812, -0.25      , -0.27734375, -0.1171875 ,
         0.03417969,  0.12060547, -0.03515625,  0.421875  , -0.15625   ,
         0.203125  , -0.1171875 , -0.06640625, -0.04150391,  0.328125  ,
         0.06445312, -0.13476562, -0.16015625,  0.11035156, -0.21191406,
         0.08642578, -0.23730469, -0.00842285,  0.11376953, -0.17773438,
        -0.26757812,  0.04272461, -0.13183594, -0.13671875, -0.26953125,
        -0.00939941,  0.06787109,  0.07324219, -0.09228516, -0.19140625],
       dtype=float32),
 'presentation': array([-2.73437500e-02, -1.38671875e-01, -1.05957031e-01,
1.97753906e-02,
         3.34472656e-02, -2.10937500e-01,  3.59375000e-01, -2.53906250e-01,
         4.34570312e-02,  4.51660156e-02, -9.57031250e-02, -3.85742188e-02,
         3.10058594e-02,  9.37500000e-02, -7.76367188e-02,  1.03515625e-01,
         1.22558594e-01,  8.88671875e-02, -6.05468750e-02, -1.46484375e-01,
         2.87109375e-01,  9.42382812e-02, -1.60156250e-01,  2.69531250e-01,
        -1.02539062e-01,  1.24023438e-01, -2.57568359e-02, -7.81250000e-02,
        -5.51757812e-02,  1.38671875e-01, -2.12890625e-01, -1.68945312e-01,
        -1.81640625e-01,  7.95898438e-02,  3.65234375e-01,  7.95898438e-02,
         7.51953125e-02,  4.00390625e-02, -1.24511719e-02, -3.30078125e-01,
         1.35742188e-01,  2.96875000e-01,  5.67626953e-03,  3.28125000e-01,
        -2.29492188e-02, -9.81445312e-02, -1.66015625e-01,  1.06445312e-01,
        -9.52148438e-02,  2.51953125e-01,  3.56445312e-02, -7.38525391e-03,
         1.91406250e-01,  1.96838379e-03,  1.04003906e-01, -8.10546875e-02,
        -1.19140625e-01, -5.20019531e-02,  2.01171875e-01, -1.94335938e-01,
        -6.20117188e-02,  2.28271484e-02, -2.51953125e-01, -2.97851562e-02,
        -5.07812500e-02, -1.00585938e-01, -1.50390625e-01,  3.75000000e-01,
```

```
         3.98437500e-01, -1.48437500e-01, -3.32031250e-02, -2.20703125e-01,
         1.18652344e-01, -2.62451172e-02,  1.04492188e-01,  1.39648438e-01,
         2.71484375e-01,  1.19628906e-01,  2.49023438e-02,  1.42578125e-01,
         1.88476562e-01, -7.66601562e-02, -2.94921875e-01,  1.59912109e-02,
         1.38671875e-01, -1.21582031e-01, -1.03027344e-01, -5.00488281e-02,
         8.39843750e-02,  7.27539062e-02, -1.31225586e-03, -1.91406250e-01,
         4.98046875e-02,  2.46093750e-01,  5.31005859e-03,  5.68847656e-02,
        -1.21582031e-01,  2.66113281e-02,  1.57226562e-01,  7.91015625e-02,
        -1.66015625e-01,  2.36816406e-02, -5.07812500e-02,  1.78710938e-01,
        -1.46484375e-01,  2.89062500e-01,  4.15039062e-02, -1.32812500e-01,
        -1.43554688e-01, -2.16796875e-01,  4.36401367e-03, -1.40625000e-01,
         7.42187500e-02, -4.12597656e-02, -3.46679688e-02, -3.84765625e-01,
        -1.54296875e-01, -1.39648438e-01,  3.33984375e-01, -3.61328125e-02,
        -8.54492188e-02, -5.63964844e-02, -2.13623047e-02, -1.64062500e-01,
         1.13769531e-01, -1.74560547e-02, -1.62109375e-01, -3.08837891e-02,
        -4.00390625e-02,  3.08593750e-01, -2.06054688e-01, -4.49218750e-02,
         4.32128906e-02,  2.85339355e-03,  2.24609375e-02,  3.78417969e-02,
         7.71484375e-02, -2.28515625e-01, -2.06298828e-02,  2.94921875e-01,
         1.01562500e-01, -3.34472656e-02, -5.83496094e-02, -3.45703125e-01,
        -1.11328125e-01,  5.83496094e-02,  1.21582031e-01, -2.39257812e-01,
         2.25585938e-01,  2.03125000e-01, -3.02734375e-01,  1.99218750e-01,
        -5.83496094e-02,  2.46093750e-01,  3.14941406e-02, -2.85156250e-01,
        -1.74804688e-01, -2.02148438e-01, -3.69140625e-01, -5.24902344e-02,
         1.32812500e-01,  9.96093750e-02, -8.05664062e-03,  1.17675781e-01,
        -3.02734375e-01,  2.94921875e-01,  3.18359375e-01, -7.47070312e-02,
         7.56835938e-02, -1.15722656e-01, -1.06933594e-01, -4.17480469e-02,
         3.83300781e-02, -4.15039062e-02,  1.81640625e-01, -2.32421875e-01,
         1.18164062e-01,  2.27539062e-01, -4.88281250e-02, -9.71679688e-02,
         1.84570312e-01,  8.83789062e-02,  8.54492188e-02, -7.44628906e-03,
         3.49121094e-02,  1.74804688e-01, -1.74804688e-01, -2.63671875e-01,
        -2.92968750e-02, -1.19628906e-02, -2.16064453e-02, -2.50000000e-01,
         1.07910156e-01, -6.34765625e-02,  7.27539062e-02, -1.36718750e-01,
         1.37695312e-01, -1.70898438e-02, -3.71093750e-02,  5.24902344e-02,
         2.21679688e-01,  1.11328125e-01, -2.91748047e-02, -9.71679688e-02,
         1.42578125e-01,  1.46484375e-01,  2.19726562e-01,  2.28515625e-01,
        -1.19628906e-01,  1.25000000e-01, -1.22070312e-01, -1.35742188e-01,
        -3.32031250e-01, -6.73828125e-02,  9.86328125e-02,  1.93359375e-01,
         5.49316406e-02,  3.41796875e-02,  1.27929688e-01, -1.13769531e-01,
        -1.08032227e-02,  1.34765625e-01, -1.12304688e-01, -1.50390625e-01,
         7.32421875e-02, -1.57226562e-01, -7.32421875e-02, -2.61306763e-04,
         7.22656250e-02,  1.62109375e-01,  2.27539062e-01,  2.33154297e-02,
        -2.19726562e-01, -1.76757812e-01,  1.66992188e-01, -2.20947266e-02,
         9.17968750e-02, -3.88183594e-02,  1.11816406e-01, -6.43920898e-03,
         5.22460938e-02, -1.77734375e-01, -6.03027344e-02, -9.03320312e-02,
         1.98974609e-02,  6.44531250e-02,  5.49316406e-02, -1.87500000e-01,
        -4.49218750e-02,  3.40270996e-03, -5.37109375e-02,  1.94335938e-01,
        -3.26171875e-01, -1.60156250e-01,  4.68750000e-02,  3.46679688e-02,
        -1.38671875e-01, -3.17382812e-02, -1.70898438e-01,  2.31445312e-01,
        -3.95507812e-02, -7.91015625e-02, -1.54296875e-01, -3.41796875e-01,
        -1.38671875e-01,  2.25585938e-01,  1.91406250e-01, -3.63769531e-02,
        -4.76562500e-01, -5.78613281e-02,  1.13769531e-01, -2.18505859e-02,
         1.22558594e-01, -1.57226562e-01,  3.67187500e-01, -5.81054688e-02,
         4.68750000e-02,  1.92382812e-01, -3.51562500e-01,  1.99218750e-01,
         1.94335938e-01, -7.27539062e-02, -9.09423828e-03, -3.38745117e-03,
        -7.32421875e-02,  3.08837891e-02,  8.00781250e-02,  1.47705078e-02,
         4.44335938e-02,  1.52343750e-01, -1.59179688e-01, -1.86523438e-01,
        -1.26953125e-01,  1.58203125e-01,  2.12890625e-01, -2.10937500e-01,
        -1.61132812e-01, -2.96875000e-01, -1.23046875e-01, -1.80664062e-0
1],
       dtype=float32),
 'storytelling': array([ 2.63671875e-01, -1.71875000e-01, -1.79687500e-01,
1.27929688e-01,
         1.82617188e-01,  5.61523438e-02,  2.25585938e-01,  2.30468750e-01,
        -1.37695312e-01, -3.10058594e-02,  1.27929688e-01,  1.41601562e-01,
```

```
 8.98437500e-02,  1.30859375e-01,  3.46679688e-02,  1.67968750e-01,
 1.14746094e-01,  1.02539062e-01, -3.66210938e-02, -3.80859375e-01,
-1.32812500e-01, -1.01562500e-01,  3.51562500e-01,  1.87500000e-01,
 3.75976562e-02, -3.49609375e-01,  1.13281250e-01,  1.08886719e-01,
 6.64062500e-02, -2.50000000e-01, -4.14062500e-01, -2.50244141e-02,
-1.61132812e-01,  1.61132812e-01,  2.50000000e-01,  2.63214111e-04,
 7.61718750e-02, -1.46484375e-02,  1.22558594e-01,  6.64062500e-02,
 2.12890625e-01,  8.74023438e-02,  3.52478027e-03,  1.07910156e-01,
 8.20312500e-02,  1.75781250e-01, -1.39648438e-01,  1.71875000e-01,
 3.43750000e-01, -9.27734375e-02, -1.80664062e-01,  2.74658203e-02,
-2.45117188e-01,  7.86132812e-02,  2.38281250e-01,  3.97949219e-02,
-8.98437500e-02, -7.86132812e-02, -3.63769531e-02, -3.51562500e-01,
 2.15820312e-01,  1.20117188e-01,  6.93359375e-02, -2.32421875e-01,
-6.12792969e-02, -5.63964844e-02, -1.37695312e-01,  2.36328125e-01,
 2.39257812e-01, -7.08007812e-02,  2.18505859e-02, -1.39648438e-01,
-3.34472656e-02, -6.17675781e-02,  8.20312500e-02,  1.14257812e-01,
-3.29589844e-03, -1.99218750e-01,  2.41210938e-01, -2.85644531e-02,
 2.66113281e-02,  1.23046875e-01,  2.29492188e-01, -4.39453125e-02,
-4.88281250e-02, -3.56445312e-02, -2.50000000e-01,  2.42919922e-02,
 1.06445312e-01,  7.27539062e-02,  1.27929688e-01, -1.64062500e-01,
-1.29882812e-01,  1.46484375e-02,  1.09863281e-01,  1.61132812e-02,
-2.70996094e-02, -7.22656250e-02, -1.92382812e-01, -1.26953125e-01,
 2.11181641e-02,  4.73632812e-02,  3.73535156e-02, -8.34960938e-02,
 1.40625000e-01, -3.17382812e-02,  2.48046875e-01, -2.67578125e-01,
-1.68945312e-01, -2.40234375e-01, -1.22558594e-01,  2.63671875e-01,
 1.04492188e-01, -5.88989258e-03,  7.37304688e-02,  5.63964844e-02,
 1.02539062e-01, -5.00488281e-02,  1.46484375e-01, -1.39648438e-01,
-1.03027344e-01, -5.88378906e-02,  3.84765625e-01,  2.23632812e-01,
 8.44726562e-02, -1.49536133e-02, -2.61718750e-01,  3.78906250e-01,
-4.45312500e-01, -9.61914062e-02, -2.77343750e-01, -1.30859375e-01,
-3.12500000e-01, -7.81250000e-02,  9.70458984e-03,  4.02343750e-01,
 1.46484375e-01, -3.20312500e-01,  2.03857422e-02,  2.36328125e-01,
 2.05078125e-01, -1.28906250e-01, -3.61328125e-01, -2.56347656e-03,
-1.26953125e-01,  7.37304688e-02,  2.51953125e-01,  2.98828125e-01,
-8.05664062e-02,  4.19921875e-02, -2.58789062e-02, -1.50146484e-02,
-6.10351562e-02,  3.82812500e-01, -2.77343750e-01, -4.82421875e-01,
 3.12500000e-01, -1.70898438e-01, -3.84765625e-01, -1.44958496e-03,
-4.32128906e-02,  4.66918945e-03, -3.67187500e-01,  3.86718750e-01,
-3.68652344e-02,  2.08984375e-01,  3.90625000e-01, -2.98828125e-01,
-6.78710938e-02, -1.59179688e-01,  1.13281250e-01, -4.46777344e-02,
-5.54199219e-02, -1.27929688e-01,  1.50390625e-01, -1.26953125e-01,
-4.44335938e-02, -9.03320312e-02, -8.74023438e-02,  3.14941406e-02,
 5.83496094e-02, -1.31835938e-01,  1.64062500e-01, -2.24609375e-01,
 9.22851562e-02,  5.56640625e-02, -6.83593750e-02, -3.32031250e-01,
 2.08984375e-01,  8.15429688e-02, -3.04687500e-01, -5.71289062e-02,
 1.75781250e-01, -5.67626953e-03,  8.98437500e-02, -1.15722656e-01,
-1.71875000e-01,  1.29394531e-02, -5.54199219e-02, -8.25195312e-02,
-1.26953125e-01, -1.97265625e-01, -9.22851562e-02, -6.01196289e-03,
-1.07421875e-01, -1.24023438e-01,  1.30004883e-02, -5.73730469e-03,
-1.43554688e-01, -8.25195312e-02, -6.17675781e-02,  5.76171875e-02,
-2.81250000e-01, -4.17480469e-02,  1.39648438e-01,  6.39648438e-02,
 1.61132812e-01,  4.61425781e-02, -1.99218750e-01, -2.85156250e-01,
-1.14746094e-01,  3.32031250e-01,  1.83593750e-01,  3.63769531e-02,
 1.07910156e-01,  1.05468750e-01,  6.22558594e-02, -9.03320312e-02,
 1.44531250e-01,  7.53784180e-03, -9.03320312e-02,  8.69140625e-02,
-2.37304688e-01,  4.57031250e-01,  2.75390625e-01,  5.76782227e-03,
 1.32812500e-01, -3.06701660e-03,  3.67187500e-01, -2.44140625e-02,
 1.03027344e-01, -2.39257812e-01,  3.61328125e-02, -2.20703125e-01,
 3.27148438e-02, -3.36914062e-02, -2.42919922e-02,  1.29882812e-01,
 5.20019531e-02, -3.49609375e-01, -9.03320312e-03,  1.36718750e-01,
-2.05078125e-02,  3.76953125e-01,  2.27539062e-01, -2.98828125e-01,
-3.71093750e-02, -3.00781250e-01, -3.01513672e-02, -9.13085938e-02,
-2.77343750e-01, -1.46484375e-01, -9.03320312e-03, -1.64062500e-01,
-3.86718750e-01,  3.08593750e-01,  1.00097656e-01, -3.06640625e-01,
```

```
        -3.20312500e-01, -1.17675781e-01,  1.71875000e-01,  9.22851562e-02,
        -6.93359375e-02, -1.89453125e-01,  3.90625000e-01,  5.63964844e-02,
        -1.21093750e-01,  9.47265625e-02, -1.52343750e-01,  9.61914062e-02,
         2.23632812e-01, -1.81640625e-01,  1.76757812e-01, -3.30078125e-01,
         1.76757812e-01, -1.30859375e-01, -2.01416016e-02, -1.86767578e-02,
        -7.32421875e-02,  1.72851562e-01, -4.10156250e-01, -6.54296875e-02,
        -2.05078125e-01, -3.10058594e-02, -1.14746094e-01, -1.08398438e-01,
         3.22265625e-01, -4.14062500e-01,  7.47070312e-02,  1.17187500e-0
1],
       dtype=float32),
 'translate': array([-0.11474609,  0.01098633, -0.0625    , -0.10449219, -
0.17675781,
         0.12304688, -0.04907227,  0.19238281,  0.10644531,  0.18554688,
        -0.28320312, -0.25195312,  0.07763672,  0.40429688, -0.20800781,
         0.10058594,  0.04150391,  0.23144531,  0.14453125,  0.08886719,
        -0.23632812,  0.09375   , -0.02648926,  0.03930664, -0.2734375 ,
        -0.27148438, -0.06835938, -0.27148438,  0.01647949,  0.17578125,
        -0.13671875, -0.10058594, -0.20605469,  0.18261719, -0.01373291,
        -0.27539062, -0.16210938,  0.32617188,  0.03833008,  0.0255127 ,
         0.21679688, -0.02075195,  0.22949219,  0.4140625 , -0.08007812,
        -0.39453125, -0.45507812,  0.14550781,  0.23535156,  0.01269531,
         0.02697754, -0.02355957, -0.06689453, -0.296875  ,  0.05859375,
         0.03808594, -0.12597656, -0.19238281,  0.13085938, -0.17578125,
         0.24121094, -0.25585938, -0.02307129,  0.4296875 ,  0.09863281,
         0.29492188, -0.19042969,  0.23828125, -0.06884766, -0.0859375 ,
         0.06640625,  0.12304688,  0.34765625, -0.19921875, -0.03088379,
        -0.11230469,  0.1484375 ,  0.27148438, -0.03979492, -0.05908203,
         0.01495361,  0.06030273, -0.16210938,  0.21972656,  0.09179688,
         0.07666016, -0.08154297,  0.03466797, -0.27539062,  0.11083984,
         0.09375   , -0.02954102,  0.0189209 , -0.14550781,  0.01794434,
        -0.41015625,  0.28125   ,  0.28320312,  0.02880859, -0.0057373 ,
        -0.10986328, -0.06884766,  0.09667969, -0.13867188, -0.17578125,
        -0.31835938, -0.32421875, -0.18554688,  0.11279297, -0.03881836,
         0.11181641,  0.03027344, -0.08544922, -0.0625    ,  0.31835938,
         0.07275391, -0.21972656, -0.12792969, -0.06933594,  0.09863281,
         0.10058594, -0.05639648, -0.10009766,  0.15234375,  0.02062988,
         0.11523438, -0.03393555,  0.00747681, -0.09912109, -0.06201172,
         0.10009766, -0.45703125, -0.06689453,  0.06738281,  0.3515625 ,
         0.140625  , -0.26171875,  0.19921875, -0.0055542 , -0.35546875,
        -0.17480469, -0.01220703, -0.171875  ,  0.13964844, -0.03515625,
         0.00466919, -0.02404785, -0.18261719, -0.1640625 , -0.06494141,
         0.10205078,  0.078125  , -0.02478027,  0.25585938,  0.00723267,
        -0.04345703, -0.15625   ,  0.30859375, -0.3828125 ,  0.0177002 ,
        -0.11328125, -0.02111816, -0.13671875, -0.24609375, -0.04272461,
        -0.14550781,  0.09179688,  0.15136719,  0.31445312,  0.11181641,
        -0.20507812, -0.20800781, -0.21777344, -0.359375  ,  0.07421875,
         0.0625    , -0.00866699, -0.12353516,  0.0612793 ,  0.09863281,
        -0.0246582 , -0.26757812, -0.01220703,  0.13964844, -0.16113281,
         0.07421875,  0.13378906, -0.3203125 , -0.24414062,  0.02807617,
         0.21875   , -0.09912109,  0.16601562,  0.10693359, -0.33398438,
         0.15625   , -0.10742188, -0.12597656,  0.03442383, -0.10449219,
        -0.32226562, -0.03173828,  0.03271484,  0.00604248, -0.08496094,
        -0.29492188, -0.17480469, -0.35742188,  0.03051758,  0.1328125 ,
         0.02441406, -0.01611328,  0.02648926,  0.14160156, -0.49609375,
        -0.02966309,  0.73828125, -0.16015625, -0.07421875, -0.10644531,
         0.11328125,  0.19042969, -0.09423828, -0.01348877,  0.12109375,
         0.00364685,  0.18066406, -0.24121094, -0.06933594, -0.0859375 ,
         0.22558594,  0.1953125 ,  0.05981445,  0.2890625 ,  0.015625  ,
         0.09326172, -0.02905273, -0.03198242,  0.21191406, -0.02148438,
        -0.17871094,  0.07519531, -0.03076172,  0.06396484,  0.00491333,
        -0.14355469, -0.21191406,  0.25195312, -0.22460938, -0.23730469,
        -0.05371094,  0.01470947,  0.00195312,  0.22949219,  0.01184082,
        -0.05737305, -0.19433594,  0.01116943, -0.375     , -0.18457031,
        -0.16699219,  0.08349609, -0.18359375,  0.32421875,  0.06298828,
```

```
        -0.15917969,  0.25585938, -0.20117188,  0.04541016, -0.21679688,
         0.03039551,  0.06396484,  0.03955078, -0.30859375,  0.05102539,
         0.11035156, -0.38085938, -0.02685547, -0.18945312,  0.03344727,
        -0.09570312, -0.07177734,  0.08984375, -0.03515625,  0.02770996,
        -0.02062988,  0.12988281,  0.08935547, -0.03808594,  0.27929688,
        -0.18261719,  0.1953125 ,  0.22460938,  0.0168457 ,  0.01574707,
        -0.01696777,  0.33398438, -0.25976562,  0.203125  , -0.015625  ],
       dtype=float32),
 'logic': array([ 0.27148438, -0.11425781,  0.19140625,  0.33789062, -0.243
16406,
         0.17675781,  0.10400391,  0.04150391,  0.10644531,  0.01483154,
        -0.15917969, -0.03417969, -0.00714111, -0.10546875, -0.20800781,
         0.22070312,  0.07958984, -0.07226562, -0.10351562, -0.2734375 ,
         0.02978516,  0.02197266,  0.00631714,  0.29101562,  0.28710938,
         0.03063965,  0.08886719,  0.15917969, -0.09667969,  0.08251953,
         0.08398438, -0.10205078, -0.13964844,  0.16308594, -0.02722168,
         0.296875  ,  0.09375   ,  0.25      ,  0.18164062,  0.04956055,
         0.484375  , -0.04638672,  0.21875   ,  0.01361084, -0.08007812,
         0.13964844, -0.19140625, -0.19824219, -0.05200195, -0.01745605,
        -0.30078125,  0.05493164, -0.23828125, -0.05737305, -0.05493164,
         0.01098633, -0.11865234, -0.140625  , -0.02087402, -0.21875   ,
         0.26367188,  0.16015625,  0.29296875, -0.02294922, -0.23144531,
        -0.12109375, -0.0390625 ,  0.3828125 , -0.13378906, -0.19042969,
         0.25      , -0.21191406,  0.32226562, -0.30664062, -0.14160156,
        -0.10302734,  0.13671875, -0.02404785,  0.28320312, -0.05175781,
         0.21582031,  0.14257812, -0.01574707, -0.10400391, -0.03344727,
        -0.12255859,  0.10644531,  0.19726562, -0.01281738, -0.23242188,
         0.09375   ,  0.08740234, -0.18652344,  0.13476562,  0.0612793 ,
         0.10839844, -0.16992188, -0.22460938,  0.08984375,  0.12011719,
        -0.03100586,  0.02050781, -0.07519531,  0.23632812, -0.06103516,
        -0.02966309,  0.20019531, -0.11132812,  0.10888672, -0.09716797,
         0.07275391, -0.10888672,  0.05810547,  0.32617188,  0.24707031,
         0.13574219, -0.03320312, -0.00531006,  0.13378906, -0.03833008,
        -0.09130859,  0.06494141,  0.11767578, -0.05419922, -0.11425781,
        -0.05053711, -0.10351562,  0.21191406,  0.00479126, -0.17089844,
        -0.1328125 , -0.33203125, -0.09619141, -0.28125   ,  0.28710938,
        -0.01623535,  0.07128906, -0.03491211, -0.07275391, -0.03271484,
         0.16796875, -0.20800781,  0.11376953,  0.19140625, -0.18652344,
         0.09716797, -0.12402344, -0.05737305,  0.13867188, -0.00192261,
         0.03149414,  0.11816406,  0.10546875, -0.06542969, -0.20507812,
        -0.19238281, -0.16992188,  0.05541992, -0.02307129, -0.10058594,
        -0.265625  , -0.23925781, -0.10351562, -0.28125   , -0.08544922,
        -0.10351562,  0.18652344, -0.12451172, -0.18359375,  0.0279541 ,
         0.03759766, -0.06884766, -0.21875   , -0.09765625,  0.02038574,
         0.10839844,  0.10986328, -0.3359375 ,  0.12597656,  0.04443359,
        -0.17480469, -0.13085938, -0.05615234, -0.0098877 ,  0.32226562,
        -0.04858398,  0.19824219, -0.12451172,  0.20703125, -0.01635742,
        -0.15625   ,  0.171875  , -0.06494141, -0.09228516, -0.10888672,
         0.12255859, -0.11035156, -0.34765625, -0.09667969,  0.12207031,
         0.0019989 ,  0.33789062, -0.16015625,  0.01635742, -0.06640625,
        -0.10058594,  0.171875  , -0.11425781, -0.00411987, -0.05078125,
        -0.20019531, -0.03857422,  0.19921875,  0.02575684, -0.30273438,
         0.03515625,  0.15625   ,  0.33984375, -0.02087402,  0.13769531,
        -0.01165771, -0.14550781,  0.11572266,  0.06347656, -0.24609375,
        -0.16503906,  0.17285156, -0.05688477,  0.06835938,  0.484375  ,
         0.05444336,  0.12695312,  0.05297852,  0.05932617, -0.06201172,
         0.01879883,  0.00344849,  0.29492188,  0.16796875, -0.03735352,
        -0.1875    ,  0.13574219, -0.1953125 , -0.30664062,  0.08642578,
         0.05102539,  0.0123291 ,  0.31054688, -0.18261719,  0.05444336,
         0.07470703,  0.08300781,  0.00799561,  0.10107422,  0.09863281,
        -0.2890625 ,  0.04418945,  0.04345703, -0.02294922, -0.03808594,
         0.32617188, -0.13183594, -0.17382812,  0.12158203, -0.0177002 ,
         0.13964844,  0.29101562, -0.21972656, -0.28515625, -0.10595703,
        -0.14257812,  0.046875  , -0.02648926,  0.02734375, -0.11767578,
```

```
         0.06396484, -0.08984375,  0.11035156,  0.12451172,  0.30273438,
        -0.09326172,  0.00720215,  0.00131226, -0.28710938,  0.09863281,
        -0.02844238, -0.09863281,  0.21777344,  0.20214844,  0.14746094,
        -0.22558594,  0.34765625,  0.03686523, -0.08203125, -0.14453125,
        -0.14453125,  0.06396484, -0.15722656, -0.03540039,  0.18652344],
       dtype=float32),
 'easily': array([ 5.44433594e-02, -1.16699219e-01, -6.25000000e-02,  2.050
78125e-01,
        -9.47265625e-02, -7.76367188e-02,  1.45507812e-01,  6.10351562e-02,
        -2.53906250e-02, -2.49023438e-02, -3.01513672e-02, -1.14257812e-01,
         8.54492188e-03, -6.89697266e-03,  9.64355469e-03,  5.02929688e-02,
         7.61718750e-02,  3.00781250e-01,  1.44195557e-03,  5.76782227e-03,
         9.86328125e-02, -1.19628906e-01,  5.66406250e-02,  7.51953125e-02,
         1.73828125e-01, -1.79687500e-01, -2.40478516e-02,  9.37500000e-02,
        -1.45507812e-01, -1.64031982e-03, -3.88183594e-02,  3.33984375e-01,
         3.49121094e-02, -7.47070312e-02,  2.02148438e-01, -9.03320312e-02,
        -4.11987305e-03, -9.08203125e-02, -4.29687500e-02, -7.95898438e-02,
         2.35351562e-01, -5.05371094e-02,  2.39257812e-01, -1.41601562e-02,
         2.57568359e-02, -3.51562500e-02,  4.94384766e-03,  1.09863281e-01,
         1.02050781e-01,  2.67333984e-02, -7.66601562e-02, -4.54101562e-02,
        -8.74023438e-02,  1.92871094e-02, -1.06201172e-02,  1.65039062e-01,
         2.09960938e-01, -1.57226562e-01,  1.48437500e-01,  4.24804688e-02,
         1.59179688e-01,  4.49218750e-02, -6.29882812e-02, -1.17187500e-01,
        -1.82617188e-01, -2.81982422e-02, -9.57031250e-02,  9.66796875e-02,
         2.81982422e-02,  3.24707031e-02,  1.69921875e-01,  1.71875000e-01,
         1.24023438e-01, -2.94921875e-01, -2.04101562e-01,  3.22265625e-02,
         1.79687500e-01,  2.51953125e-01,  1.25976562e-01, -1.16699219e-01,
        -8.78906250e-02,  1.05468750e-01,  6.34765625e-02,  1.54296875e-01,
         6.59179688e-02,  2.80761719e-03, -2.48046875e-01,  5.46875000e-02,
        -1.27929688e-01, -2.39257812e-02, -7.17773438e-02,  1.41601562e-01,
        -2.71484375e-01, -2.12890625e-01,  4.48226929e-05,  9.64355469e-03,
        -3.63769531e-02, -1.61132812e-02, -2.49023438e-02,  3.02734375e-02,
         3.22265625e-02, -1.26953125e-01, -7.56835938e-02,  5.41992188e-02,
        -2.08007812e-01,  1.68945312e-01,  2.41699219e-02, -1.05957031e-01,
         1.48437500e-01,  3.14941406e-02, -1.84570312e-01, -2.78320312e-02,
        -9.47265625e-02, -2.67578125e-01,  2.21679688e-01,  1.50390625e-01,
        -3.54003906e-02, -1.90429688e-02,  8.10546875e-02,  2.77343750e-01,
        -1.45507812e-01, -2.90527344e-02,  5.98144531e-02, -1.41601562e-01,
        -1.33789062e-01,  3.06396484e-02, -7.81250000e-02, -1.15722656e-01,
         8.34960938e-02, -5.93261719e-02,  1.47460938e-01,  1.04003906e-01,
         7.03125000e-02,  5.90820312e-02, -1.70898438e-01, -5.05371094e-02,
        -1.19781494e-03,  3.24707031e-02, -6.44531250e-02,  1.28906250e-01,
         1.87988281e-02, -2.77343750e-01, -2.83203125e-02,  5.12695312e-02,
         1.85546875e-01, -2.23632812e-01,  3.56445312e-02,  9.32617188e-02,
         1.94091797e-02,  5.02929688e-02,  1.26342773e-02, -9.57031250e-02,
        -8.44726562e-02, -2.23388672e-02, -6.17675781e-02, -5.83496094e-02,
        -2.29492188e-01,  1.30859375e-01, -3.00781250e-01, -5.12695312e-02,
        -8.39843750e-02,  1.61132812e-01,  9.52148438e-02, -9.27734375e-02,
        -2.38281250e-01, -1.32812500e-01, -2.00195312e-01, -8.97216797e-03,
        -1.20117188e-01, -5.66406250e-02, -8.54492188e-02,  7.42187500e-02,
        -3.20312500e-01, -3.29589844e-02, -1.36718750e-01,  7.08007812e-02,
        -6.49414062e-02, -1.96289062e-01, -1.91406250e-01, -2.35595703e-02,
         6.59179688e-02, -1.95312500e-01, -6.83593750e-02,  2.30712891e-02,
        -1.46484375e-01, -2.17285156e-02, -1.12792969e-01,  6.59179688e-02,
        -1.37695312e-01,  1.49414062e-01,  7.76367188e-02, -1.91406250e-01,
         9.22851562e-02,  1.34277344e-02, -5.93261719e-02, -1.48437500e-01,
        -1.55273438e-01,  4.95605469e-02, -3.56445312e-02, -2.65625000e-01,
         2.77343750e-01,  8.00781250e-02,  4.00390625e-02,  2.06054688e-01,
         1.13281250e-01, -6.25000000e-02, -5.15136719e-02, -1.32812500e-01,
        -4.12597656e-02,  4.07714844e-02, -3.41796875e-01,  6.22558594e-03,
        -5.85937500e-02,  1.35742188e-01, -2.16796875e-01, -1.27929688e-01,
        -4.93164062e-02,  1.13281250e-01, -1.00585938e-01,  1.07421875e-01,
        -2.08984375e-01,  1.05957031e-01, -1.59179688e-01, -2.32421875e-01,
        -1.79687500e-01, -1.09863281e-01,  5.56640625e-02,  3.24707031e-02,
```

```
         3.55468750e-01, -1.83593750e-01,  1.79687500e-01,  1.01318359e-02,
         8.44726562e-02, -1.02539062e-01, -1.17492676e-03,  1.74560547e-02,
        -2.21679688e-01,  1.02050781e-01, -2.61230469e-02,  2.28515625e-01,
        -6.44531250e-02, -5.88989258e-03,  2.96875000e-01, -1.86523438e-01,
         7.81250000e-02,  9.17968750e-02, -1.73950195e-03,  3.85742188e-02,
        -1.78710938e-01, -6.49414062e-02, -1.11083984e-02, -1.10351562e-01,
         1.00097656e-01,  1.20117188e-01,  2.49023438e-02, -7.91015625e-02,
         2.84423828e-02,  1.66015625e-01,  3.38745117e-03, -2.79296875e-01,
         1.31835938e-01, -5.34057617e-03, -2.71484375e-01,  1.20605469e-01,
         7.91015625e-02,  1.12792969e-01,  2.45117188e-01,  1.15966797e-02,
         1.08886719e-01,  2.49023438e-02,  1.10839844e-01,  3.63769531e-02,
        -2.51953125e-01,  2.18750000e-01, -1.91406250e-01, -8.05664062e-02,
         3.22265625e-02, -1.43554688e-01,  1.25000000e-01, -9.81445312e-02,
         2.46582031e-02,  1.08886719e-01, -1.34765625e-01,  4.05273438e-02,
        -1.03515625e-01, -2.38037109e-02, -1.20117188e-01, -3.34472656e-02,
         6.17675781e-02,  2.73437500e-01, -1.52343750e-01,  9.42382812e-02,
         7.66601562e-02, -5.15136719e-02,  3.56445312e-02, -6.00585938e-02,
         1.06811523e-02, -3.22265625e-01,  7.66601562e-02, -1.18164062e-0
1],
       dtype=float32),
 'understandable': array([ 0.19628906,  0.0168457 , -0.09375   ,  0.1064453
1, -0.2734375 ,
        -0.00531006,  0.31640625, -0.01916504,  0.4140625 ,  0.20703125,
        -0.06787109, -0.15429688,  0.09130859, -0.0480957 , -0.20703125,
         0.16796875,  0.16601562,  0.17089844, -0.01708984, -0.08691406,
         0.11816406,  0.06787109,  0.11816406,  0.02893066, -0.12890625,
        -0.02612305, -0.04931641,  0.09375   ,  0.07128906,  0.07080078,
         0.19335938,  0.012146  , -0.11962891,  0.20800781,  0.07714844,
        -0.23925781,  0.07958984,  0.04907227,  0.15234375,  0.16210938,
         0.49804688, -0.03173828,  0.1875    , -0.22851562, -0.05883789,
         0.04125977, -0.10595703, -0.10986328, -0.07519531, -0.02636719,
         0.14550781, -0.03613281, -0.24121094, -0.04980469, -0.22265625,
         0.05541992, -0.09521484, -0.16992188, -0.01062012, -0.0015564 ,
         0.08251953, -0.23144531,  0.02111816, -0.14453125, -0.06884766,
        -0.00689697, -0.3671875 ,  0.01794434, -0.11279297, -0.23242188,
        -0.00180054, -0.06054688,  0.18066406, -0.00139618, -0.12158203,
         0.05541992,  0.0402832 ,  0.25976562,  0.09960938,  0.20996094,
         0.07275391,  0.12890625,  0.09033203,  0.02124023, -0.03930664,
        -0.27539062,  0.02807617,  0.07470703, -0.02526855, -0.00772095,
         0.08837891, -0.16601562, -0.12011719,  0.08251953,  0.10302734,
         0.07421875,  0.09326172,  0.24121094, -0.12158203,  0.06591797,
        -0.09570312,  0.21191406, -0.01477051,  0.10498047, -0.16308594,
         0.19824219,  0.16992188, -0.09814453,  0.10449219, -0.12451172,
        -0.19824219, -0.21679688,  0.01660156, -0.05957031,  0.05737305,
        -0.11279297,  0.04370117,  0.06933594,  0.1875    ,  0.16308594,
        -0.40625   ,  0.14550781,  0.21289062, -0.01977539, -0.1953125 ,
        -0.10009766, -0.265625  , -0.22070312,  0.06347656,  0.17382812,
        -0.19726562, -0.16699219,  0.0267334 ,  0.03833008, -0.07275391,
        -0.08105469, -0.1484375 ,  0.15039062, -0.11279297, -0.06591797,
        -0.16894531, -0.05615234, -0.03442383, -0.04370117, -0.12695312,
        -0.04370117, -0.21875   ,  0.07714844, -0.22851562, -0.07519531,
         0.05737305, -0.01525879, -0.12988281,  0.03063965,  0.04296875,
        -0.09521484, -0.10058594, -0.09228516, -0.31640625, -0.03710938,
        -0.05126953,  0.07177734,  0.12988281, -0.18847656, -0.06152344,
        -0.12695312, -0.15917969,  0.04321289,  0.04663086,  0.13378906,
         0.0168457 ,  0.1328125 , -0.05371094,  0.1484375 , -0.0111084 ,
         0.00643921,  0.09228516, -0.18066406,  0.03637695, -0.29101562,
        -0.01000977,  0.07177734,  0.20019531, -0.03417969,  0.06640625,
         0.09130859, -0.23339844, -0.02380371, -0.171875  ,  0.02246094,
        -0.27929688, -0.10498047,  0.08496094, -0.1015625 , -0.11914062,
        -0.06933594, -0.3046875 , -0.00263977, -0.20214844,  0.05004883,
         0.11132812, -0.21582031, -0.10693359,  0.19921875,  0.04833984,
         0.00613403, -0.13476562,  0.12207031, -0.00744629,  0.05737305,
        -0.03808594,  0.10546875,  0.30859375,  0.16308594, -0.18457031,
```

```
        -0.10107422,  0.16601562, -0.13769531, -0.13574219, -0.02050781,
        -0.09179688,  0.04858398, -0.26367188, -0.08447266,  0.20117188,
        -0.23535156,  0.08642578, -0.23046875, -0.13867188,  0.12988281,
         0.02185059,  0.16113281,  0.28710938,  0.24121094,  0.1875    ,
         0.13964844,  0.08154297, -0.11523438, -0.0005455 ,  0.08349609,
        -0.28515625,  0.14257812,  0.21679688, -0.2421875 , -0.17773438,
         0.07470703,  0.01275635,  0.13671875, -0.24121094,  0.02075195,
        -0.06591797, -0.02050781,  0.14257812, -0.0546875 ,  0.17871094,
        -0.07763672, -0.08398438,  0.14257812, -0.17480469,  0.02526855,
         0.04174805, -0.0859375 ,  0.0255127 ,  0.14160156, -0.05957031,
         0.34960938,  0.07226562, -0.34960938, -0.20410156, -0.12304688,
        -0.05883789,  0.09375   ,  0.11914062, -0.00173187, -0.24804688,
        -0.00314331, -0.08056641, -0.01403809, -0.07617188,  0.13867188,
        -0.06884766, -0.29882812, -0.19726562, -0.19042969,  0.00830078,
         0.1875    , -0.09228516,  0.09619141, -0.08642578, -0.09521484,
        -0.42578125, -0.06787109, -0.08642578,  0.05834961, -0.09814453,
        -0.12792969,  0.09375   ,  0.14453125,  0.06933594,  0.14453125],
       dtype=float32),
 'lawfully': array([-5.59082031e-02, -3.55468750e-01, -7.81250000e-02, -3.2
9971313e-04,
        -3.35937500e-01, -2.08984375e-01, -5.02929688e-02,  4.21875000e-01,
        -1.05468750e-01, -1.01074219e-01,  1.14746094e-01, -1.91406250e-01,
        -1.49414062e-01,  3.67187500e-01, -2.55859375e-01, -7.81250000e-02,
         1.59179688e-01,  2.02148438e-01, -4.83398438e-02, -9.66796875e-02,
         2.91015625e-01, -3.92578125e-01, -9.81445312e-02, -5.44433594e-02,
         6.93359375e-02, -1.95312500e-01,  1.84326172e-02,  1.53320312e-01,
        -1.92871094e-02, -2.08984375e-01,  6.49414062e-02, -8.78906250e-02,
         1.99218750e-01,  2.01171875e-01,  8.00781250e-02,  5.71289062e-02,
        -1.48437500e-01, -1.41601562e-01, -2.81250000e-01, -9.13085938e-02,
        -1.47705078e-02,  1.91406250e-01,  2.50000000e-01, -7.86132812e-02,
         5.05371094e-02, -3.95507812e-02,  1.75781250e-01,  2.87109375e-01,
        -2.38281250e-01, -1.35742188e-01, -1.41601562e-02, -9.57031250e-02,
         2.23632812e-01, -2.81982422e-02, -1.28906250e-01, -5.27343750e-02,
        -1.24023438e-01, -2.51953125e-01, -7.56835938e-02, -3.22265625e-01,
         1.25976562e-01,  2.75390625e-01, -1.36718750e-01,  1.42211914e-02,
        -1.61132812e-01, -1.61132812e-02, -1.22070312e-01,  1.04003906e-01,
        -2.59765625e-01, -1.32812500e-01,  4.76074219e-02, -2.63671875e-01,
         4.60937500e-01,  7.61718750e-02,  2.21679688e-01, -1.03027344e-01,
         4.68750000e-02, -5.93261719e-02,  7.91015625e-02,  1.76757812e-01,
        -1.96289062e-01,  2.75390625e-01, -3.02734375e-02,  9.57031250e-02,
        -1.76757812e-01, -2.78320312e-02, -1.80664062e-01,  4.68750000e-01,
        -1.42822266e-02,  2.59765625e-01, -4.19921875e-02,  1.88476562e-01,
        -9.08203125e-02, -1.87500000e-01,  3.26171875e-01, -6.73828125e-02,
        -6.07299805e-03, -9.66796875e-02,  2.31445312e-01, -1.62109375e-01,
         1.69921875e-01, -1.50390625e-01,  2.67578125e-01,  4.17968750e-01,
        -1.72851562e-01, -2.24609375e-01, -6.25000000e-02,  1.42578125e-01,
         3.02734375e-01,  6.49414062e-02, -9.32617188e-02, -1.74804688e-01,
        -1.21582031e-01,  1.54296875e-01, -3.58886719e-02, -1.07421875e-02,
         1.90429688e-01, -8.98437500e-02, -1.47705078e-02,  8.88671875e-02,
         3.29589844e-02,  2.16796875e-01, -7.03125000e-02, -1.25000000e-01,
        -1.27929688e-01,  8.78906250e-02, -8.93554688e-02, -1.70898438e-01,
        -9.42382812e-02, -5.68847656e-02,  2.16796875e-01,  1.22070312e-01,
        -2.77343750e-01, -1.59179688e-01, -1.02050781e-01, -2.36328125e-01,
        -3.86718750e-01,  6.44531250e-02,  1.80664062e-01,  2.20947266e-02,
         2.68554688e-02,  4.15039062e-02, -3.95507812e-02,  1.29882812e-01,
        -2.28515625e-01, -7.81250000e-02, -1.04003906e-01,  3.36914062e-02,
        -1.30004883e-02, -4.24804688e-02,  1.99218750e-01,  1.51367188e-01,
         1.00097656e-01,  2.59765625e-01, -3.03955078e-02,  9.37500000e-02,
        -5.37109375e-02,  3.29589844e-02, -2.17773438e-01,  2.17773438e-01,
        -3.53515625e-01,  1.96289062e-01,  4.62890625e-01, -5.66406250e-02,
        -6.15234375e-02, -1.36718750e-01, -2.95410156e-02, -9.37500000e-02,
        -5.66406250e-02, -7.51953125e-02,  2.69775391e-02, -1.56250000e-02,
         2.28515625e-01, -1.68945312e-01, -1.07910156e-01, -2.96630859e-02,
         3.04687500e-01, -1.42578125e-01, -2.08007812e-01, -1.84570312e-01,
```

```
        -2.21679688e-01, -8.69140625e-02, -6.98242188e-02, -2.71484375e-01,
         1.13281250e-01, -9.61914062e-02,  2.10937500e-01,  2.28515625e-01,
        -5.83496094e-02,  2.13867188e-01, -1.29882812e-01,  1.81640625e-01,
        -8.10546875e-02,  2.51953125e-01, -7.17773438e-02, -1.88476562e-01,
        -2.25585938e-01,  4.44335938e-02,  2.40234375e-01, -9.57031250e-02,
         1.41601562e-01,  1.30859375e-01,  1.94335938e-01,  3.84765625e-01,
        -1.06445312e-01, -2.87109375e-01,  3.46679688e-02,  2.23632812e-01,
        -1.40625000e-01, -1.01562500e-01, -1.72851562e-01, -9.71679688e-02,
        -7.08007812e-02, -3.00781250e-01, -1.82617188e-01,  1.66015625e-01,
        -8.44726562e-02,  4.58984375e-02, -1.18652344e-01, -6.93359375e-02,
        -3.57421875e-01, -6.93359375e-02, -8.46862793e-04, -1.24023438e-01,
         2.04101562e-01,  6.88476562e-02,  4.02343750e-01,  2.47070312e-01,
         2.53906250e-01, -1.88476562e-01, -1.28936768e-03, -8.11767578e-03,
        -8.10546875e-02,  1.23535156e-01,  3.20312500e-01, -4.76074219e-02,
         1.54296875e-01,  2.26562500e-01,  6.98242188e-02,  9.47265625e-02,
        -5.78125000e-01, -1.85546875e-01,  1.66015625e-02,  6.29882812e-02,
        -1.94335938e-01,  1.56250000e-01, -1.09375000e-01, -4.56542969e-02,
         1.05957031e-01, -2.77343750e-01,  2.77343750e-01, -1.17187500e-02,
         4.49218750e-02, -4.19921875e-02,  3.35937500e-01, -8.74023438e-02,
        -1.17675781e-01, -2.23388672e-02,  2.08007812e-01,  1.15966797e-02,
         1.08886719e-01, -3.16406250e-01, -9.81445312e-02,  4.58984375e-02,
         2.26562500e-01,  2.24609375e-01, -1.07421875e-01,  1.11816406e-01,
         2.08984375e-01, -3.32031250e-01,  2.39257812e-01,  1.74804688e-01,
         4.58984375e-01,  5.46875000e-01, -1.20117188e-01, -6.64062500e-02,
        -3.30078125e-01,  2.85644531e-02,  2.41699219e-02,  2.94921875e-01,
        -1.36718750e-01,  1.22558594e-01,  2.23388672e-02,  7.47070312e-02,
        -2.57812500e-01, -5.49316406e-02,  7.71484375e-02, -1.42578125e-01,
         3.08593750e-01,  1.72851562e-01, -3.68652344e-02,  7.56835938e-03,
         1.53320312e-01, -1.00097656e-01, -1.42822266e-02,  2.10937500e-01,
         8.97216797e-03, -4.84375000e-01,  7.56835938e-02, -2.57812500e-0
1],
       dtype=float32),
 'united': array([-0.02087402,  0.10595703, -0.02990723,  0.15820312, -0.41
796875,
        -0.06298828,  0.02209473, -0.28515625,  0.22070312, -0.01391602,
         0.06591797,  0.05981445, -0.265625  ,  0.24414062,  0.02172852,
         0.01806641,  0.09082031,  0.30273438,  0.18359375, -0.13671875,
         0.16503906,  0.1640625 ,  0.23242188, -0.140625  , -0.0390625 ,
         0.24609375,  0.22460938, -0.10009766,  0.11035156, -0.33984375,
        -0.03735352, -0.07080078,  0.03088379,  0.12988281,  0.07080078,
         0.09570312,  0.24121094,  0.265625  ,  0.0098877 ,  0.15527344,
         0.07861328, -0.1328125 ,  0.06835938, -0.01519775, -0.14648438,
         0.03857422, -0.25390625, -0.15722656, -0.1640625 ,  0.22363281,
         0.11425781,  0.12353516, -0.15039062,  0.25585938,  0.00057602,
        -0.00634766, -0.35742188, -0.18457031, -0.30273438, -0.08447266,
         0.10009766,  0.0480957 , -0.15527344, -0.30859375, -0.15625   ,
         0.12304688, -0.03686523,  0.25976562, -0.01208496,  0.04858398,
        -0.01733398, -0.06347656,  0.16601562,  0.09716797, -0.09082031,
        -0.09814453,  0.04663086, -0.26367188,  0.18066406, -0.16015625,
        -0.17675781,  0.02111816,  0.01165771, -0.00485229, -0.08740234,
        -0.11914062, -0.02746582, -0.29882812, -0.02185059,  0.16796875,
         0.08154297, -0.30273438,  0.0050354 , -0.10400391, -0.17675781,
         0.1875    , -0.19140625, -0.16894531,  0.14257812, -0.25390625,
        -0.38476562,  0.04345703,  0.26171875,  0.04125977, -0.07177734,
         0.1015625 ,  0.11376953, -0.20410156,  0.40429688,  0.20800781,
        -0.25195312, -0.11865234,  0.17578125,  0.15332031,  0.18945312,
         0.23828125,  0.07470703, -0.24316406,  0.04125977, -0.13574219,
         0.15234375, -0.20410156,  0.0168457 , -0.0177002 , -0.33203125,
        -0.24316406,  0.109375  , -0.12255859, -0.08056641,  0.11914062,
         0.1953125 , -0.02575684,  0.05444336, -0.01989746,  0.07568359,
        -0.10595703, -0.125     , -0.140625  ,  0.12402344,  0.01470947,
        -0.11425781, -0.01391602,  0.03637695, -0.015625  , -0.06982422,
        -0.05908203, -0.21484375, -0.02880859,  0.34179688, -0.0177002 ,
         0.10839844,  0.24804688,  0.25585938, -0.0546875 ,  0.03100586,
```

```
         0.12060547, -0.00213623, -0.1875    ,  0.45898438,  0.02709961,
        -0.22558594, -0.16113281,  0.32226562, -0.16210938,  0.15039062,
        -0.328125  ,  0.0859375 ,  0.05249023, -0.13085938,  0.2578125 ,
        -0.24121094, -0.15234375,  0.07080078, -0.33984375,  0.24316406,
        -0.02233887,  0.03344727,  0.06445312, -0.07568359, -0.20996094,
        -0.15722656, -0.07275391, -0.01806641,  0.01672363, -0.12158203,
         0.00335693, -0.06640625, -0.04833984, -0.18457031,  0.16796875,
         0.00927734,  0.12109375,  0.06884766, -0.06933594, -0.1640625 ,
         0.00982666,  0.25195312,  0.43359375, -0.28515625, -0.07373047,
         0.04492188, -0.01916504,  0.18066406, -0.33007812, -0.12353516,
         0.02893066,  0.0546875 ,  0.05664062,  0.23242188, -0.21386719,
        -0.07958984,  0.31445312, -0.09863281, -0.09912109, -0.15234375,
        -0.02111816,  0.06591797, -0.17382812, -0.01513672,  0.375     ,
         0.02502441, -0.05615234,  0.3203125 ,  0.40234375,  0.01135254,
        -0.33984375,  0.13378906, -0.02661133, -0.01428223,  0.17480469,
        -0.41992188,  0.01348877,  0.31445312,  0.05908203,  0.03759766,
         0.02246094,  0.09716797, -0.34570312,  0.18261719,  0.14550781,
        -0.01080322, -0.01342773, -0.14648438,  0.22265625,  0.07421875,
         0.21777344, -0.05566406, -0.01263428, -0.03393555,  0.01904297,
        -0.02661133,  0.14746094, -0.05688477,  0.08300781,  0.31054688,
        -0.33398438, -0.18554688, -0.22460938,  0.11914062,  0.05859375,
        -0.13867188, -0.21289062,  0.10302734, -0.03466797,  0.19433594,
         0.22363281,  0.00408936,  0.04833984, -0.40234375, -0.0559082 ,
         0.10888672,  0.22070312,  0.04003906,  0.03039551,  0.21777344,
         0.23828125, -0.26953125,  0.08056641, -0.35351562, -0.01324463,
        -0.11132812,  0.12695312, -0.16210938, -0.05761719, -0.14941406,
        -0.15625   ,  0.02404785,  0.18457031,  0.20117188, -0.0625    ,
        -0.16601562,  0.09375   , -0.07617188,  0.16503906, -0.20410156,
         0.02868652,  0.03515625, -0.23925781,  0.24414062, -0.05224609],
       dtype=float32),
 'states': array([ 0.14453125, -0.10400391,  0.06738281,  0.18359375,  0.04
907227,
         0.03149414, -0.23925781,  0.01916504, -0.13476562, -0.04541016,
         0.03051758, -0.13769531, -0.02331543,  0.03173828, -0.296875  ,
         0.02001953,  0.1484375 ,  0.23828125, -0.14453125,  0.17871094,
        -0.01171875,  0.06689453, -0.13574219, -0.04199219, -0.00335693,
         0.03344727, -0.41601562, -0.10986328,  0.06884766,  0.06225586,
         0.00823975,  0.15820312,  0.26757812,  0.33398438,  0.08837891,
        -0.24511719, -0.02075195, -0.03112793, -0.00643921,  0.37109375,
         0.20019531,  0.19433594,  0.2421875 ,  0.04394531,  0.22949219,
        -0.09716797,  0.0017395 ,  0.09814453, -0.07373047, -0.04638672,
        -0.02575684, -0.19824219,  0.07324219, -0.07080078, -0.01647949,
        -0.03588867, -0.3515625 ,  0.04638672, -0.32226562, -0.24316406,
         0.10888672, -0.16894531, -0.02758789,  0.00598145, -0.06176758,
         0.12451172,  0.02307129,  0.25195312, -0.13476562,  0.11523438,
        -0.11230469,  0.08398438,  0.34179688,  0.26171875,  0.22753906,
        -0.265625  , -0.16015625,  0.06201172,  0.00364685,  0.26757812,
        -0.0703125 , -0.0859375 ,  0.08203125, -0.203125  , -0.11767578,
        -0.02880859,  0.08837891,  0.05419922, -0.0378418 , -0.13574219,
         0.1328125 , -0.14355469, -0.17871094, -0.04858398, -0.08935547,
         0.00065613,  0.11083984, -0.06640625,  0.07421875,  0.10498047,
         0.29492188, -0.15136719, -0.08349609,  0.01867676,  0.0071106 ,
        -0.33203125,  0.078125  , -0.00741577,  0.07080078, -0.02905273,
         0.01269531, -0.07373047, -0.12597656,  0.17285156,  0.15917969,
         0.03637695,  0.078125  , -0.03833008,  0.06054688, -0.00491333,
        -0.234375  , -0.03149414, -0.01855469,  0.00254822, -0.03295898,
         0.02856445,  0.04052734, -0.02172852, -0.21972656,  0.18066406,
        -0.14453125, -0.05004883, -0.00952148, -0.16796875, -0.20410156,
        -0.00646973,  0.00579834, -0.19824219,  0.20117188,  0.03076172,
         0.15527344, -0.06054688, -0.203125  , -0.04052734,  0.04711914,
         0.06298828, -0.21289062, -0.00442505,  0.09423828,  0.01055908,
         0.12988281, -0.10595703,  0.15136719, -0.078125  ,  0.16503906,
        -0.17675781, -0.21386719,  0.06738281, -0.11376953,  0.05908203,
         0.19921875, -0.13964844,  0.08691406, -0.00185394,  0.03100586,
```

```
        -0.0625    ,  0.07373047, -0.21386719,  0.20703125,  0.07519531,
        -0.12597656, -0.09423828,  0.10253906, -0.07617188,  0.16210938,
        -0.32617188,  0.10839844, -0.00933838, -0.15332031, -0.01586914,
        -0.10742188, -0.05004883, -0.04882812,  0.10400391,  0.09521484,
         0.31640625, -0.07421875,  0.31054688,  0.11767578,  0.359375  ,
         0.02624512, -0.1875    , -0.04907227, -0.08886719,  0.00866699,
         0.2109375 ,  0.0546875 , -0.17382812,  0.10449219, -0.30078125,
        -0.02893066,  0.03808594,  0.12060547,  0.08740234, -0.02514648,
         0.1015625 ,  0.20117188, -0.23925781, -0.13574219,  0.09228516,
         0.15429688,  0.05981445, -0.14355469,  0.08691406, -0.18652344,
         0.10302734, -0.04223633,  0.25585938,  0.21875   , -0.02233887,
         0.21289062, -0.01092529,  0.15039062,  0.00772095, -0.10595703,
        -0.2421875 ,  0.37109375,  0.15039062,  0.16210938, -0.18261719,
        -0.203125  , -0.04223633,  0.21875   ,  0.125     , -0.0534668 ,
         0.11279297,  0.09765625, -0.0390625 ,  0.04272461, -0.11328125,
        -0.02978516,  0.04248047,  0.14550781,  0.09228516,  0.03173828,
         0.10986328,  0.05786133,  0.12207031,  0.06396484,  0.11083984,
        -0.05224609,  0.08398438,  0.14746094, -0.13867188, -0.01708984,
        -0.27734375,  0.19042969, -0.08349609,  0.2890625 , -0.01031494,
        -0.1484375 , -0.32226562,  0.07568359,  0.05419922,  0.27734375,
         0.16113281, -0.14355469, -0.19238281, -0.15722656, -0.09521484,
         0.15722656,  0.00576782,  0.03173828,  0.08203125, -0.13867188,
         0.05102539, -0.14355469, -0.02380371, -0.1484375 , -0.22070312,
        -0.37695312,  0.04541016,  0.10498047,  0.06396484, -0.14453125,
         0.00212097,  0.08984375, -0.14257812,  0.33007812, -0.09863281,
         0.18164062, -0.14257812,  0.09765625, -0.03515625,  0.36523438,
         0.07763672,  0.09814453,  0.17089844,  0.03369141,  0.03710938],
       dtype=float32),
 'america': array([-1.79687500e-01, -1.38549805e-02, -5.12695312e-03,  4.47
265625e-01,
        -2.30712891e-02, -6.83593750e-02, -2.08007812e-01, -1.81640625e-01,
        -2.05078125e-01, -1.04980469e-01, -2.53906250e-01, -3.55468750e-01,
        -2.37304688e-01, -1.99218750e-01,  2.02148438e-01,  3.86718750e-01,
        -1.47460938e-01,  2.51953125e-01, -3.73535156e-02, -1.48437500e-01,
         1.18652344e-01, -1.56250000e-01,  1.31835938e-01, -1.53320312e-01,
        -1.46484375e-01,  3.30078125e-01, -4.92187500e-01,  3.83300781e-02,
         2.07519531e-02, -1.18164062e-01,  2.25830078e-02,  1.05957031e-01,
        -2.41210938e-01,  5.46875000e-02, -2.59765625e-01,  1.84570312e-01,
        -1.01074219e-01,  1.59179688e-01,  5.19531250e-01,  3.22265625e-02,
        -9.13085938e-02, -1.45874023e-02,  3.32031250e-01,  8.44726562e-02,
         1.13281250e-01,  9.32617188e-02,  1.46484375e-01, -2.61718750e-01,
        -2.89062500e-01,  3.25012207e-03, -2.55859375e-01, -9.13085938e-02,
         4.58984375e-01,  1.75781250e-01,  4.51660156e-02, -2.41699219e-02,
        -2.16796875e-01,  6.64062500e-02,  1.69921875e-01, -1.42578125e-01,
        -3.01513672e-02,  1.96533203e-02, -3.28125000e-01, -9.13085938e-02,
         4.93164062e-02, -4.82421875e-01, -1.29882812e-01,  1.16699219e-01,
        -2.61718750e-01,  5.61523438e-02, -4.17480469e-02,  3.28125000e-01,
        -1.00097656e-01,  1.62109375e-01, -1.99218750e-01, -9.91210938e-02,
         2.28515625e-01,  3.73840332e-03,  5.85937500e-02,  7.66601562e-02,
        -2.29492188e-01,  9.96093750e-02, -1.18164062e-01, -3.02734375e-01,
        -4.54101562e-02, -2.20947266e-02, -2.23632812e-01,  1.41601562e-01,
        -6.34765625e-02,  6.07910156e-02, -2.39257812e-01,  1.25000000e-01,
         5.90820312e-02, -1.85546875e-01,  6.16455078e-03,  2.05078125e-01,
        -1.09375000e-01, -7.17773438e-02,  3.86718750e-01,  1.34765625e-01,
        -2.16796875e-01,  6.39648438e-02,  1.97753906e-02,  3.00781250e-01,
        -8.34960938e-02,  8.69140625e-02, -5.11718750e-01,  2.59765625e-01,
         7.51953125e-02, -2.18750000e-01,  9.09423828e-03, -3.02734375e-01,
         1.33056641e-02,  2.79296875e-01,  9.47265625e-02,  5.27343750e-02,
        -1.49536133e-02, -2.69531250e-01, -2.61306763e-04, -4.83398438e-02,
         3.22265625e-02, -8.93554688e-02,  1.85546875e-02,  1.38671875e-01,
         4.14062500e-01, -2.81250000e-01, -1.30859375e-01,  2.98828125e-01,
         3.14941406e-02, -1.43554688e-01, -5.24902344e-02,  1.48315430e-02,
         7.87353516e-03,  1.37695312e-01,  7.12890625e-02, -9.47265625e-02,
        -4.25781250e-01, -1.30859375e-01,  2.51953125e-01, -4.78515625e-02,
```

```
         2.37304688e-01, -2.94921875e-01,  8.39843750e-02,  7.61718750e-02,
        -4.22363281e-02, -1.17675781e-01,  1.60156250e-01,  1.13281250e-01,
         3.92578125e-01, -2.53906250e-01,  3.20312500e-01, -3.24218750e-01,
         1.32812500e-01, -1.04492188e-01, -3.39843750e-01, -4.43359375e-01,
        -6.49414062e-02,  1.61132812e-01, -1.49414062e-01,  1.10473633e-02,
         5.71289062e-02,  1.29882812e-01, -1.54296875e-01, -2.21679688e-01,
        -4.29687500e-02, -4.06250000e-01,  1.80664062e-01, -2.40234375e-01,
        -1.01318359e-02,  2.19726562e-01, -7.46093750e-01,  1.45507812e-01,
         2.77343750e-01, -2.98828125e-01,  1.62109375e-01, -4.98046875e-02,
         3.49609375e-01, -3.78906250e-01,  3.37890625e-01, -5.00000000e-01,
         5.83496094e-02, -2.73437500e-01, -7.37304688e-02, -2.03125000e-01,
        -4.63867188e-02,  2.47070312e-01, -1.48437500e-01, -6.34765625e-02,
         3.86718750e-01,  1.95312500e-02,  5.46875000e-01,  8.05664062e-03,
         5.66406250e-02, -3.28125000e-01,  1.16210938e-01,  3.39843750e-01,
        -1.20605469e-01, -6.29882812e-02, -1.11816406e-01, -2.38281250e-01,
        -3.96484375e-01, -1.25976562e-01,  2.27539062e-01, -3.08593750e-01,
        -1.51367188e-01,  1.11816406e-01,  7.91015625e-02, -1.13281250e-01,
        -2.50000000e-01,  1.10351562e-01,  1.79290771e-03,  2.87109375e-01,
        -2.15820312e-01, -3.95507812e-02, -4.56542969e-02,  1.73828125e-01,
        -4.93164062e-02, -1.91406250e-01, -5.90820312e-02,  1.46484375e-01,
        -2.73437500e-01, -7.22656250e-02,  2.81250000e-01,  6.68945312e-02,
        -5.61523438e-03,  3.44238281e-02,  2.79296875e-01,  1.12304688e-02,
        -2.36328125e-01, -2.92968750e-01,  7.17773438e-02, -1.01562500e-01,
         1.22558594e-01, -9.22851562e-02,  5.85937500e-03,  1.95312500e-01,
        -1.94335938e-01,  2.60009766e-02,  8.59375000e-02,  5.12695312e-02,
         5.54687500e-01, -9.47265625e-02, -2.03125000e-01,  3.32031250e-02,
        -2.55859375e-01,  2.22656250e-01,  2.96630859e-02,  1.81640625e-01,
        -1.53320312e-01, -1.96289062e-01,  4.47265625e-01, -1.20117188e-01,
         5.44433594e-02,  2.18505859e-02,  2.46093750e-01, -3.49609375e-01,
         1.71661377e-03,  1.04492188e-01,  2.85156250e-01, -8.74023438e-02,
         1.15234375e-01, -2.57812500e-01,  2.67578125e-01, -2.15820312e-01,
         8.88671875e-02, -7.91015625e-02, -2.59765625e-01,  1.78710938e-01,
        -7.91015625e-02, -2.83203125e-01, -3.24218750e-01, -1.07421875e-01,
         1.61132812e-01, -1.67968750e-01, -1.45507812e-01, -8.59375000e-02,
         1.57470703e-02, -7.03125000e-02, -2.81250000e-01,  2.85156250e-01,
        -1.10839844e-01, -1.48437500e-01,  1.04492188e-01,  2.81250000e-01,
        -4.39453125e-01,  5.78613281e-02,  1.38671875e-01,  1.94335938e-01,
        -5.29785156e-02, -1.76757812e-01,  7.42187500e-02,  2.27539062e-01,
         7.12890625e-02,  1.21582031e-01, -1.78710938e-01, -1.91406250e-01,
        -2.71484375e-01,  9.66796875e-02,  1.29882812e-01, -7.61718750e-0
2],
       dtype=float32),
 'engage': array([ 6.34765625e-02,  1.11816406e-01,  3.71093750e-02,  1.259
76562e-01,
        -2.17773438e-01,  1.47460938e-01, -1.14746094e-02,  6.44531250e-02,
         1.25000000e-01, -3.02734375e-01, -2.46093750e-01, -5.85937500e-02,
        -1.20117188e-01,  3.45703125e-01,  5.76171875e-02,  2.78320312e-02,
        -1.02050781e-01,  2.01171875e-01,  1.97265625e-01, -5.27343750e-02,
         1.54296875e-01, -2.79235840e-03, -1.70898438e-02,  2.55859375e-01,
        -7.44628906e-03, -1.15722656e-01, -1.21582031e-01,  1.62109375e-01,
        -5.41992188e-02, -3.08593750e-01,  4.41894531e-02, -9.03320312e-02,
        -1.91406250e-01, -9.76562500e-02,  1.01562500e-01, -5.34667969e-02,
         5.46875000e-02,  1.06933594e-01,  5.83496094e-02, -1.31225586e-02,
         5.61523438e-03,  3.71093750e-01, -2.03125000e-01,  6.29882812e-02,
        -2.37304688e-01,  9.61914062e-02, -2.92968750e-01, -1.31835938e-01,
        -8.34960938e-02,  8.39843750e-02, -4.66308594e-02,  1.74804688e-01,
        -2.47070312e-01, -1.04492188e-01,  7.08007812e-02, -1.07421875e-01,
         1.36718750e-01, -4.66796875e-01,  8.44726562e-02, -9.32617188e-02,
         6.78710938e-02, -2.67578125e-01, -1.54296875e-01,  2.02148438e-01,
        -3.55468750e-01,  5.37109375e-02, -3.02734375e-01, -5.98144531e-03,
        -4.91333008e-03,  1.32812500e-01, -4.88281250e-02,  2.31933594e-02,
         3.22265625e-01,  2.44140625e-01,  2.30468750e-01, -4.02343750e-01,
        -5.05371094e-02,  1.11328125e-01,  6.59179688e-02,  4.91333008e-03,
        -2.91015625e-01,  9.61914062e-02,  7.47070312e-02,  1.03027344e-01,
```

```
         2.16064453e-02,  8.98437500e-02,  1.78222656e-02, -1.45507812e-01,
        -5.40161133e-03,  1.53320312e-01,  1.62109375e-01, -2.22656250e-01,
        -8.49609375e-02, -2.07031250e-01,  2.25585938e-01, -3.16406250e-01,
         7.51953125e-02,  3.06640625e-01, -1.50390625e-01, -8.85009766e-03,
        -1.51367188e-01, -2.45117188e-01, -1.07421875e-01,  8.74023438e-02,
        -4.54101562e-02, -2.89062500e-01,  1.79687500e-01, -6.88476562e-02,
         1.42578125e-01, -8.93554688e-02, -3.37890625e-01, -1.00585938e-01,
        -8.69140625e-02, -6.83593750e-02,  6.34765625e-02, -9.88769531e-03,
         3.53515625e-01,  4.19921875e-02,  1.16210938e-01, -2.52685547e-02,
         1.18164062e-01,  2.66113281e-02, -1.56250000e-01,  2.19726562e-01,
        -1.46484375e-01,  1.11816406e-01, -6.98242188e-02,  3.47900391e-03,
        -7.37304688e-02,  1.32812500e-01,  7.40051270e-04, -1.29882812e-01,
        -1.05957031e-01, -6.49414062e-02,  3.44238281e-02,  1.04492188e-01,
         1.29882812e-01,  3.12500000e-02,  5.20019531e-02, -1.31835938e-01,
         4.73632812e-02,  3.44238281e-02, -2.28515625e-01, -4.76074219e-02,
        -2.67578125e-01,  5.81054688e-02, -1.18652344e-01, -9.96093750e-02,
        -7.47070312e-02, -1.79443359e-02,  1.62109375e-01, -3.51562500e-02,
        -3.37219238e-03,  1.33056641e-02,  5.15136719e-02, -1.64062500e-01,
         1.00097656e-01, -1.86523438e-01,  2.60009766e-02, -1.06445312e-01,
         1.97265625e-01,  1.54296875e-01, -1.72851562e-01, -1.23046875e-01,
        -8.49609375e-02, -1.87988281e-02,  1.97265625e-01, -1.94335938e-01,
         1.87500000e-01,  1.11694336e-02, -2.21679688e-01, -9.71679688e-02,
         1.06445312e-01, -1.47460938e-01,  2.53906250e-01, -3.24707031e-02,
        -5.05371094e-02, -6.49414062e-02, -3.39843750e-01,  5.32226562e-02,
        -1.34765625e-01, -6.93359375e-02, -2.23388672e-02, -1.28906250e-01,
         4.58984375e-02,  4.24804688e-02,  1.21093750e-01,  2.05078125e-02,
        -2.63671875e-02,  4.49218750e-02,  2.09960938e-02, -1.05468750e-01,
         1.40625000e-01, -1.66992188e-01,  1.48437500e-01, -6.96182251e-05,
         8.39843750e-02,  2.61718750e-01, -1.21093750e-01, -1.85546875e-01,
         8.59375000e-02, -7.42187500e-02, -3.34472656e-02, -8.15429688e-02,
        -1.22558594e-01, -6.68945312e-02,  1.35742188e-01, -6.25000000e-02,
        -2.19726562e-01, -2.30468750e-01,  1.17675781e-01,  1.74804688e-01,
         7.20214844e-03,  9.47265625e-02, -1.25000000e-01, -1.11083984e-02,
         3.90625000e-02, -2.14843750e-02,  3.41796875e-02, -1.21093750e-01,
        -9.66796875e-02,  7.81250000e-02, -2.44140625e-01,  2.33398438e-01,
         1.81640625e-01,  2.89062500e-01,  2.85156250e-01, -4.69970703e-03,
         2.14843750e-01,  2.47802734e-02,  1.02539062e-01, -1.39648438e-01,
         2.16064453e-02,  1.42211914e-02,  3.82812500e-01, -6.59179688e-02,
         3.03955078e-02,  9.71679688e-02,  2.77343750e-01,  1.95312500e-01,
        -3.51562500e-01,  9.03320312e-02, -2.31445312e-01,  3.95507812e-02,
        -1.34765625e-01, -8.88671875e-02, -2.71484375e-01,  3.00781250e-01,
         5.90820312e-02, -1.94335938e-01,  4.22363281e-02, -1.18652344e-01,
        -2.75878906e-02,  6.34765625e-03, -1.61132812e-01,  4.34570312e-02,
         1.58203125e-01, -1.06445312e-01, -1.25976562e-01, -2.07031250e-01,
         6.10351562e-02, -4.24804688e-02,  1.59179688e-01,  2.36328125e-01,
         6.37817383e-03,  8.64257812e-02, -2.33459473e-03,  2.48046875e-01,
        -2.07031250e-01,  5.15136719e-02,  1.08032227e-02,  5.15625000e-01,
         1.91406250e-01,  4.02832031e-02,  6.05468750e-02, -1.50390625e-01,
        -2.94921875e-01,  1.23535156e-01, -7.22656250e-02,  5.95703125e-02,
         5.68847656e-02,  1.84326172e-02,  2.83203125e-01,  9.70458984e-03,
         1.80664062e-01, -3.14941406e-02,  7.81250000e-03,  2.27355957e-03,
         9.81445312e-02, -8.54492188e-02, -9.47265625e-02,  2.89062500e-01,
         4.07714844e-02, -2.75878906e-02, -3.02734375e-01, -1.52343750e-01,
         1.81640625e-01,  6.83593750e-02,  1.01928711e-02,  7.61718750e-0
2],
       dtype=float32),
 'immigration': array([-1.16210938e-01,  1.35742188e-01,  1.36718750e-01,
1.42578125e-01,
        -2.55859375e-01, -2.87109375e-01,  1.05468750e-01,  2.40234375e-01,
        -2.51953125e-01, -6.29882812e-02,  2.91015625e-01, -3.34472656e-02,
        -2.78320312e-02,  1.82617188e-01,  4.41894531e-02, -1.02539062e-01,
         1.40625000e-01,  6.25000000e-01, -1.04492188e-01, -2.40234375e-01,
         7.51953125e-02, -3.90625000e-02,  3.35937500e-01, -1.33789062e-01,
        -6.05468750e-02, -5.07812500e-02,  1.24511719e-01, -2.29492188e-01,
```

```
 1.78710938e-01,  7.23266602e-03,  1.53320312e-01, -4.29687500e-02,
-5.90820312e-02, -1.51367188e-01,  1.36718750e-02, -6.68945312e-02,
-1.87988281e-02,  1.26953125e-01,  8.69140625e-02, -5.07812500e-02,
-2.05078125e-01, -1.35742188e-01,  2.59765625e-01,  1.42578125e-01,
-2.71484375e-01,  9.71679688e-02, -1.24511719e-01,  2.55859375e-01,
 8.00781250e-02,  3.90625000e-02,  8.44726562e-02, -1.29882812e-01,
-1.42578125e-01,  1.17187500e-01, -1.31835938e-01, -1.53320312e-01,
-3.90625000e-01,  4.23828125e-01, -2.11914062e-01, -1.34887695e-02,
 2.27539062e-01, -2.46093750e-01, -2.92968750e-01, -5.15625000e-01,
-8.44726562e-02, -3.36914062e-02, -7.71484375e-02, -1.36718750e-02,
 5.15136719e-02, -1.83593750e-01, -4.41406250e-01,  4.51171875e-01,
 2.89062500e-01,  1.66992188e-01, -9.57031250e-02, -2.41210938e-01,
 6.10351562e-02,  4.51171875e-01,  3.27148438e-02, -3.00781250e-01,
-4.78515625e-02,  2.44140625e-01,  2.41699219e-02, -2.61718750e-01,
-2.04101562e-01,  2.01416016e-02, -4.82421875e-01,  2.00195312e-01,
 9.32617188e-02, -2.19726562e-01,  1.40625000e-01, -2.63671875e-01,
-2.27539062e-01,  8.83789062e-02,  1.39648438e-01,  7.71484375e-02,
 1.77734375e-01, -2.48046875e-01,  3.39843750e-01, -1.82617188e-01,
-3.03955078e-02, -2.65625000e-01,  3.32031250e-01, -1.00585938e-01,
 1.02539062e-01, -3.26171875e-01,  3.73535156e-02, -1.09375000e-01,
 1.31835938e-01, -1.27563477e-02,  1.08886719e-01, -1.38671875e-01,
-1.97265625e-01,  2.79296875e-01, -1.97265625e-01, -5.79833984e-03,
 5.15136719e-02,  9.66796875e-02,  4.76562500e-01, -5.59082031e-02,
-2.91015625e-01, -2.13623047e-02,  2.14843750e-02, -6.98242188e-02,
 2.26562500e-01, -3.06640625e-01, -8.05664062e-02, -1.37695312e-01,
-5.49316406e-04, -3.94531250e-01,  1.86523438e-01, -2.55859375e-01,
-4.84375000e-01,  3.51562500e-02, -1.39160156e-02,  5.41992188e-02,
-3.00781250e-01, -6.44531250e-02,  2.27539062e-01,  1.72851562e-01,
 2.62451172e-02, -3.73535156e-02, -1.74804688e-01,  2.63671875e-01,
-1.47460938e-01,  5.49316406e-02,  3.16406250e-01,  2.12890625e-01,
-1.38671875e-01,  7.86132812e-02,  3.63281250e-01, -1.95312500e-01,
-1.50390625e-01,  1.96289062e-01,  1.40625000e-01, -1.19140625e-01,
 1.75476074e-03, -6.95312500e-01,  1.13769531e-01, -7.17773438e-02,
-3.43750000e-01, -3.71093750e-01,  4.08203125e-01, -8.69140625e-02,
 4.22363281e-02,  9.03320312e-02,  1.05957031e-01, -3.33984375e-01,
-3.12500000e-02,  1.61132812e-01, -9.66796875e-02,  1.39648438e-01,
 6.03027344e-02, -6.29882812e-02, -2.94921875e-01,  2.40234375e-01,
-8.10546875e-02,  1.50390625e-01, -1.09375000e-01, -1.35742188e-01,
-2.81250000e-01, -1.94335938e-01, -1.34887695e-02, -1.07421875e-01,
 3.73046875e-01, -1.04980469e-02, -1.06933594e-01,  7.56835938e-02,
-6.59179688e-02,  1.90429688e-02,  1.70898438e-02, -2.22167969e-02,
 1.82617188e-01,  1.62109375e-01,  1.21093750e-01,  1.93359375e-01,
-2.57812500e-01,  2.03125000e-01, -2.51770020e-03, -1.62109375e-01,
-1.19140625e-01,  1.67968750e-01,  1.28906250e-01,  1.09863281e-01,
 1.75781250e-01, -1.10839844e-01,  2.08007812e-01,  1.46484375e-01,
 3.41796875e-01,  1.22070312e-02, -8.78906250e-02, -9.76562500e-02,
 2.30468750e-01, -2.92968750e-01,  2.44140625e-02,  1.78710938e-01,
-5.27343750e-02,  1.74804688e-01, -2.30468750e-01,  4.95605469e-02,
-2.48046875e-01,  1.42578125e-01,  3.08837891e-02,  8.64257812e-02,
-4.37011719e-02, -5.50781250e-01,  2.77343750e-01,  3.47656250e-01,
-2.41088867e-03,  2.95410156e-02,  2.09960938e-01,  3.00781250e-01,
-2.50000000e-01,  3.36914062e-02, -4.98046875e-02, -1.75781250e-01,
 5.07812500e-01, -1.30859375e-01,  1.86523438e-01, -1.67968750e-01,
 1.15356445e-02,  5.83496094e-02, -1.75781250e-01, -8.54492188e-02,
-2.81250000e-01,  3.34472656e-02, -3.27148438e-02,  3.63769531e-02,
-9.61914062e-02, -2.75390625e-01, -2.94921875e-01,  4.95605469e-02,
-3.85742188e-02,  4.16015625e-01,  2.31445312e-01,  1.91650391e-02,
 2.08984375e-01, -8.20312500e-02,  8.34960938e-02,  9.22851562e-02,
 3.22265625e-01,  1.30859375e-01,  1.99218750e-01, -1.01562500e-01,
-3.93066406e-02, -2.16796875e-01, -8.59375000e-02, -3.71093750e-01,
-3.86718750e-01, -3.49609375e-01,  1.33666992e-02,  1.78710938e-01,
-5.83496094e-02,  2.74658203e-02, -3.33984375e-01,  1.06933594e-01,
-4.46777344e-02, -2.55859375e-01,  7.03125000e-02, -4.85839844e-02,
-6.03027344e-02, -2.51953125e-01, -2.41210938e-01,  1.50390625e-01,
```

```
         4.10156250e-02, -1.85546875e-01, -3.44238281e-02,  1.08398438e-01,
        -1.75781250e-01,  1.21093750e-01,  2.83203125e-02,  1.83593750e-01,
         5.35156250e-01,  5.90820312e-02,  3.39355469e-02,  2.51953125e-01,
         1.39648438e-01, -2.04101562e-01,  2.61718750e-01,  1.48437500e-0
1],
       dtype=float32),
 'sponsorship': array([ 0.14550781, -0.19140625, -0.23730469, -0.03271484,
0.14257812,
        -0.17675781,  0.16894531, -0.23339844,  0.15332031,  0.01196289,
         0.11474609,  0.01794434, -0.21875   ,  0.0032959 , -0.08935547,
         0.22363281,  0.22851562,  0.28125   ,  0.12353516,  0.00793457,
        -0.10449219,  0.31640625,  0.07275391, -0.03637695,  0.08007812,
        -0.0213623 ,  0.03222656,  0.23144531,  0.12890625,  0.02111816,
         0.07226562, -0.07714844, -0.01507568,  0.27929688,  0.22070312,
         0.19628906, -0.01470947,  0.12353516,  0.16894531, -0.40820312,
        -0.06591797, -0.15039062, -0.3125    ,  0.06884766, -0.234375  ,
        -0.22460938, -0.04956055,  0.03442383,  0.05249023,  0.26367188,
        -0.05102539, -0.36328125, -0.08007812, -0.265625  , -0.08300781,
        -0.29882812,  0.02282715,  0.12353516,  0.09716797, -0.15917969,
        -0.09619141, -0.03466797,  0.109375  , -0.08105469, -0.10546875,
        -0.12353516,  0.03198242,  0.04370117,  0.1953125 ,  0.21289062,
         0.00601196, -0.05395508,  0.12597656, -0.03955078,  0.30859375,
        -0.04931641,  0.05273438,  0.109375  ,  0.16015625, -0.11914062,
         0.03027344, -0.08056641, -0.05615234,  0.3359375 , -0.265625  ,
        -0.22460938,  0.00115204,  0.12451172, -0.10107422,  0.30664062,
         0.06787109, -0.08447266, -0.20703125, -0.26757812,  0.3828125 ,
         0.0703125 ,  0.32226562, -0.25390625,  0.27734375,  0.26367188,
        -0.3671875 ,  0.28710938,  0.13769531,  0.09863281, -0.06079102,
        -0.14160156,  0.39453125, -0.13769531, -0.20800781,  0.04907227,
        -0.37304688,  0.21972656,  0.22265625, -0.20703125,  0.1484375 ,
        -0.20117188,  0.27148438, -0.04345703,  0.23925781,  0.06054688,
         0.03930664, -0.17871094, -0.05029297,  0.3125    , -0.125     ,
        -0.24511719,  0.05200195,  0.20996094,  0.31640625, -0.12353516,
         0.06201172, -0.05078125, -0.16601562, -0.34765625, -0.26171875,
         0.23925781,  0.09814453,  0.03125   ,  0.18847656,  0.21777344,
        -0.00811768,  0.11474609,  0.0300293 , -0.18652344, -0.01312256,
         0.14941406,  0.1171875 , -0.09326172, -0.20410156, -0.14453125,
        -0.22167969,  0.07470703, -0.17382812, -0.3203125 ,  0.359375  ,
         0.03369141,  0.24804688, -0.18261719, -0.28710938, -0.08398438,
        -0.08496094,  0.01025391,  0.06494141,  0.29296875,  0.11132812,
        -0.01226807, -0.06176758, -0.46289062, -0.01263428,  0.234375  ,
        -0.00588989,  0.07177734,  0.5234375 , -0.30859375, -0.0703125 ,
        -0.10986328,  0.34765625,  0.04223633,  0.24316406, -0.27734375,
        -0.18457031,  0.01660156, -0.09228516, -0.13769531, -0.1953125 ,
        -0.08447266, -0.04760742,  0.1875    ,  0.16308594,  0.12988281,
        -0.11816406, -0.0546875 , -0.25390625,  0.04223633, -0.31054688,
        -0.08496094,  0.18164062, -0.10546875,  0.09570312, -0.23535156,
         0.07958984,  0.18457031, -0.25390625, -0.03515625,  0.3828125 ,
        -0.00915527, -0.25195312, -0.31054688,  0.1875    ,  0.53515625,
         0.07519531, -0.21191406,  0.21582031,  0.24414062,  0.3203125 ,
         0.26757812,  0.36523438, -0.14746094, -0.3359375 ,  0.15332031,
        -0.27734375, -0.11474609,  0.26367188,  0.3828125 , -0.18261719,
        -0.09765625,  0.13085938, -0.3046875 ,  0.296875  , -0.4296875 ,
        -0.11083984,  0.28515625,  0.00268555, -0.08544922, -0.23339844,
        -0.06494141,  0.08886719,  0.02844238,  0.23046875, -0.10595703,
         0.13769531, -0.06933594, -0.27929688, -0.0255127 ,  0.24609375,
        -0.1015625 ,  0.17089844, -0.06347656, -0.25195312, -0.13476562,
         0.32421875,  0.00787354, -0.16699219, -0.17675781,  0.00662231,
         0.26171875,  0.2265625 , -0.06347656, -0.33203125,  0.0324707 ,
         0.15625   ,  0.2578125 ,  0.04174805,  0.2109375 , -0.0625    ,
        -0.03833008, -0.22070312,  0.06884766,  0.1875    , -0.00172424,
        -0.18554688,  0.08740234, -0.07421875, -0.00848389, -0.09130859,
        -0.04003906, -0.32421875, -0.06738281,  0.02685547,  0.26367188,
        -0.15820312, -0.26367188, -0.0006752 ,  0.21777344,  0.15332031,
```

```
         0.1484375 ,  0.1328125 ,  0.28125   ,  0.05761719, -0.3984375 ,
        -0.14648438,  0.11962891, -0.19140625, -0.44921875, -0.07470703,
        -0.08349609,  0.25585938,  0.07958984, -0.22460938, -0.40234375],
       dtype=float32),
 'ready': array([ 4.39453125e-02,  1.76757812e-01,  9.47265625e-02, -8.3496
0938e-02,
        -2.26562500e-01, -4.17480469e-02,  5.44433594e-02, -1.62109375e-01,
         2.02148438e-01,  4.95605469e-02, -2.44140625e-02, -7.81250000e-03,
         9.47265625e-02, -1.12792969e-01, -2.43164062e-01,  2.56347656e-02,
         8.39843750e-02, -4.51660156e-02,  2.53906250e-01, -1.03027344e-01,
        -1.50390625e-01,  6.83593750e-02,  1.61132812e-01, -2.78320312e-02,
        -4.69970703e-03, -3.34167480e-03,  2.52685547e-02,  3.50952148e-04,
         3.19824219e-02,  1.04003906e-01,  3.56445312e-02,  3.41796875e-01,
         3.11279297e-02, -1.57226562e-01, -1.32812500e-01,  6.10351562e-02,
        -3.54003906e-02,  4.76074219e-02, -1.64794922e-02, -4.66308594e-02,
         1.99218750e-01, -3.69140625e-01,  2.07031250e-01, -8.64257812e-02,
        -9.27734375e-02, -1.27929688e-01, -1.60156250e-01,  9.08203125e-02,
        -1.18408203e-02,  1.65039062e-01, -1.09863281e-01,  7.17773438e-02,
        -2.12890625e-01,  1.41601562e-01,  5.15136719e-02,  1.49414062e-01,
         7.86132812e-02, -2.34375000e-01,  4.98046875e-02, -1.74804688e-01,
        -1.50390625e-01, -8.54492188e-02, -4.58984375e-02, -2.63671875e-02,
         1.06445312e-01, -3.20434570e-03,  5.29785156e-02,  8.59375000e-02,
        -2.24609375e-01,  1.79687500e-01,  2.32421875e-01,  1.58203125e-01,
         4.73632812e-02,  1.23046875e-01, -1.64062500e-01, -2.16796875e-01,
         3.16406250e-01,  1.53320312e-01, -2.53906250e-01, -1.63574219e-02,
         1.28906250e-01,  7.95898438e-02,  1.14257812e-01,  3.73535156e-02,
         1.44531250e-01, -1.04980469e-01,  9.52148438e-02,  4.39453125e-02,
         2.38281250e-01, -4.27246094e-03,  7.22656250e-02, -1.22558594e-01,
        -4.58984375e-02, -2.51953125e-01, -8.10546875e-02, -2.06054688e-01,
         1.98242188e-01,  1.40991211e-02, -1.37695312e-01, -1.06933594e-01,
        -1.57226562e-01,  1.05590820e-02,  9.32617188e-02,  3.88183594e-02,
        -1.37695312e-01, -2.46582031e-02,  1.25732422e-02, -1.65039062e-01,
         9.22851562e-02,  2.75390625e-01, -3.36914062e-02,  1.20117188e-01,
        -5.88378906e-02, -1.00585938e-01, -9.52148438e-02,  1.53320312e-01,
         1.87500000e-01,  1.08398438e-01, -1.64794922e-02, -1.50756836e-02,
        -8.83789062e-02, -1.29882812e-01,  2.30468750e-01, -8.34960938e-02,
         7.51953125e-02, -9.76562500e-02, -1.64062500e-01, -1.50390625e-01,
        -2.24609375e-01,  6.13403320e-03, -1.68945312e-01,  1.27929688e-01,
        -9.86328125e-02,  6.64062500e-02, -2.40234375e-01, -1.19140625e-01,
         1.46484375e-01,  1.50390625e-01,  6.10351562e-02,  2.59765625e-01,
        -1.59179688e-01, -6.29882812e-02,  2.67578125e-01, -1.75781250e-01,
        -7.95898438e-02,  6.05468750e-02, -1.61132812e-02, -1.45507812e-01,
         1.02539062e-01, -1.24511719e-01,  8.30078125e-03,  2.50000000e-01,
        -4.49218750e-02, -1.73828125e-01,  3.83300781e-02,  5.24902344e-03,
        -1.86523438e-01,  5.67626953e-03,  3.78417969e-02, -5.49316406e-02,
         1.05468750e-01, -1.81640625e-01,  2.04101562e-01,  8.39843750e-02,
         2.89062500e-01, -1.61132812e-01,  1.17187500e-01,  1.71875000e-01,
         1.25976562e-01, -2.75390625e-01, -8.83789062e-02, -7.12890625e-02,
        -5.12695312e-03, -2.55126953e-02,  1.04003906e-01,  1.32812500e-01,
         2.35595703e-02, -2.14843750e-01, -2.31445312e-01,  1.68945312e-01,
        -1.18164062e-01, -1.02050781e-01,  6.22558594e-03,  2.64892578e-02,
        -1.92382812e-01, -2.20703125e-01, -1.65039062e-01, -4.10156250e-02,
         1.58203125e-01, -1.08032227e-02, -3.78417969e-02,  1.18652344e-01,
         5.05371094e-02, -4.93164062e-02, -9.70458984e-03, -1.27929688e-01,
         1.94335938e-01,  1.46484375e-01, -1.43554688e-01, -1.17187500e-01,
         2.52685547e-02,  9.81445312e-02,  2.14843750e-01,  6.64062500e-02,
         5.61523438e-02,  1.92871094e-02,  7.61718750e-02, -2.79541016e-02,
         3.78906250e-01, -4.93164062e-02,  7.86132812e-02,  3.43750000e-01,
        -5.81054688e-02,  2.02636719e-02,  1.07421875e-02,  5.98144531e-02,
         8.34960938e-02, -2.74658203e-02, -7.17773438e-02,  2.30468750e-01,
        -1.06933594e-01, -3.56445312e-02, -2.59765625e-01,  1.23535156e-01,
         1.22558594e-01, -1.04492188e-01, -5.68847656e-02, -6.49414062e-02,
        -1.57470703e-02,  2.23159790e-04, -1.66015625e-01, -1.35742188e-01,
        -7.03125000e-02, -1.83593750e-01,  1.49414062e-01, -6.25610352e-03,
```

```
         9.91210938e-02, -1.68945312e-01,  4.80957031e-02,  1.44531250e-01,
         8.83789062e-02,  8.30078125e-02, -2.96875000e-01, -4.85839844e-02,
        -2.38037109e-02, -2.00195312e-01, -9.96093750e-02, -1.35742188e-01,
         8.15429688e-02, -1.11328125e-01,  6.25000000e-02,  9.32617188e-02,
         2.40234375e-01, -6.56127930e-03,  1.66015625e-01,  1.54418945e-02,
         3.16619873e-04, -2.23632812e-01, -1.69921875e-01, -6.05468750e-02,
        -4.23828125e-01, -4.61425781e-02, -2.57812500e-01,  6.15234375e-02,
         2.92968750e-01,  2.53906250e-02, -1.45874023e-02,  6.34765625e-02,
        -5.78613281e-02,  1.20605469e-01,  2.16796875e-01,  3.61328125e-01,
         5.07812500e-01, -1.64794922e-02,  8.78906250e-02, -1.32812500e-01,
         9.03320312e-02,  1.12915039e-02, -7.22656250e-02,  1.48437500e-01,
        -1.19140625e-01,  9.47265625e-02, -2.31933594e-02,  1.06933594e-01,
         1.21093750e-01,  1.81884766e-02, -5.37109375e-02, -4.71191406e-02,
         2.83203125e-01,  6.98242188e-02, -2.06054688e-01, -1.45507812e-01,
        -1.81640625e-01, -1.06933594e-01,  7.51953125e-02,  8.39843750e-02,
        -1.05957031e-01, -9.47265625e-02, -6.83593750e-02, -8.39843750e-0
2],
       dtype=float32),
 'serious': array([ 0.02587891,  0.07324219,  0.03271484,  0.08154297, -0.2
4023438,
         0.02966309,  0.265625  ,  0.02685547,  0.08251953,  0.03979492,
        -0.10253906, -0.20898438,  0.00350952,  0.09179688,  0.0291748 ,
         0.0291748 ,  0.05444336,  0.12255859, -0.03540039,  0.140625  ,
         0.12792969, -0.11328125, -0.1796875 ,  0.03125   , -0.06933594,
        -0.06054688,  0.00793457, -0.08349609, -0.00952148, -0.04418945,
        -0.14453125,  0.15234375,  0.04101562, -0.08642578, -0.04150391,
        -0.17578125,  0.06542969,  0.03735352,  0.03442383,  0.02758789,
         0.03295898, -0.18066406,  0.03491211,  0.02160645, -0.10839844,
         0.19140625,  0.07421875, -0.02478027,  0.01068115, -0.03271484,
         0.05981445,  0.2734375 , -0.1484375 , -0.12890625,  0.07324219,
         0.03857422,  0.21289062, -0.2109375 ,  0.0177002 , -0.21875   ,
         0.00823975,  0.26171875,  0.14257812, -0.08203125,  0.00482178,
         0.03466797,  0.08251953,  0.04711914, -0.24609375,  0.05004883,
        -0.06176758,  0.01867676,  0.01226807,  0.09716797, -0.27929688,
         0.11181641, -0.05566406,  0.21875   ,  0.11474609,  0.20410156,
        -0.06298828, -0.08447266,  0.0378418 , -0.0279541 ,  0.01556396,
        -0.32226562, -0.19628906,  0.14453125, -0.11035156,  0.10742188,
         0.14648438, -0.18066406, -0.09667969,  0.02783203, -0.05249023,
        -0.05566406,  0.16113281,  0.19042969,  0.13867188, -0.01928711,
        -0.0402832 ,  0.07226562, -0.09619141, -0.33203125,  0.09033203,
        -0.07519531,  0.21386719, -0.10839844,  0.23730469, -0.16308594,
        -0.17773438, -0.125     , -0.08935547,  0.03613281, -0.04345703,
        -0.04589844,  0.28515625,  0.07177734, -0.04394531,  0.27148438,
        -0.38671875,  0.13671875, -0.27539062, -0.01721191, -0.13378906,
        -0.06005859,  0.14257812,  0.08691406, -0.11035156,  0.0703125 ,
        -0.02819824, -0.15917969, -0.2578125 ,  0.16503906, -0.02160645,
        -0.24023438,  0.06445312,  0.02905273,  0.04638672,  0.13378906,
        -0.02929688,  0.01574707,  0.33789062,  0.08251953, -0.09326172,
        -0.17871094, -0.18164062, -0.02685547, -0.10498047, -0.15234375,
        -0.01385498, -0.10595703,  0.06396484,  0.09326172, -0.02111816,
        -0.29492188,  0.04711914, -0.22363281,  0.00411987, -0.07128906,
         0.06054688,  0.33984375,  0.17089844, -0.20996094,  0.12695312,
        -0.04052734, -0.07226562, -0.12011719, -0.00939941, -0.15234375,
         0.171875  , -0.2109375 ,  0.05664062, -0.1875    ,  0.04663086,
        -0.07861328, -0.10888672,  0.13671875, -0.17382812, -0.00576782,
         0.09082031,  0.03808594, -0.171875  , -0.00976562, -0.046875  ,
         0.390625  , -0.10107422,  0.0144043 , -0.12353516,  0.08251953,
        -0.02832031,  0.09179688, -0.0559082 ,  0.04272461,  0.06176758,
        -0.04077148, -0.11474609, -0.07177734,  0.07910156, -0.21679688,
        -0.00177765,  0.22949219,  0.10498047,  0.15917969,  0.22070312,
        -0.02856445, -0.2578125 , -0.07958984,  0.06079102, -0.13085938,
        -0.12402344,  0.08251953,  0.02990723,  0.14648438, -0.02331543,
        -0.18945312, -0.07275391, -0.08642578,  0.06201172,  0.29882812,
         0.04736328,  0.265625  , -0.06884766,  0.15136719,  0.2265625 ,
```

```
        -0.20898438,  0.23046875, -0.22070312,  0.015625  ,  0.06787109,
        -0.09521484, -0.0201416 ,  0.15429688, -0.01574707, -0.06201172,
        -0.06640625,  0.06347656, -0.02185059,  0.09130859, -0.03759766,
        -0.02392578,  0.12792969, -0.07763672,  0.02868652, -0.09716797,
         0.02478027,  0.01385498, -0.20996094,  0.16894531, -0.28320312,
         0.19628906,  0.19042969, -0.02954102, -0.03344727, -0.04736328,
        -0.02368164, -0.04370117,  0.1953125 , -0.15722656, -0.15332031,
         0.00805664, -0.17480469, -0.03613281,  0.08740234, -0.05224609,
         0.10546875, -0.26757812,  0.07080078, -0.08007812, -0.03515625,
         0.09277344,  0.20214844,  0.09179688, -0.04077148, -0.05957031,
        -0.14355469,  0.16015625, -0.31835938, -0.22851562,  0.23242188,
        -0.06298828,  0.09863281,  0.10205078, -0.09716797,  0.11816406,
        -0.01806641, -0.03320312,  0.03613281,  0.06787109, -0.05688477,
        -0.07421875, -0.07177734, -0.05786133,  0.08007812, -0.08398438,
         0.1875    , -0.06445312, -0.10693359,  0.14453125, -0.04150391],
       dtype=float32),
 'millions': array([ 3.30078125e-01,  6.88476562e-02,  7.78198242e-03,  3.1
4453125e-01,
        -2.06054688e-01,  2.52685547e-02, -1.97265625e-01,  5.73730469e-02,
         1.52343750e-01, -4.19921875e-02, -2.83203125e-01, -9.42382812e-02,
        -5.10253906e-02,  1.81884766e-02, -2.23388672e-02,  8.15429688e-02,
        -1.39648438e-01,  3.80859375e-01, -1.10839844e-01,  2.06054688e-01,
        -6.44531250e-02,  1.33666992e-02, -1.79443359e-02, -4.27246094e-02,
         8.30078125e-02,  2.08740234e-02, -9.37500000e-02,  4.58984375e-02,
        -2.28271484e-02, -2.73437500e-01, -2.46093750e-01, -8.72802734e-03,
        -6.73828125e-02,  1.03027344e-01,  9.61914062e-02, -5.49316406e-02,
         1.37695312e-01,  4.93164062e-02,  2.60009766e-02,  9.32617188e-02,
        -3.41796875e-02, -1.23901367e-02,  2.47070312e-01, -6.34765625e-02,
         4.73632812e-02, -2.53906250e-01, -1.87500000e-01,  4.10156250e-01,
        -1.46484375e-01, -3.41796875e-02,  5.71289062e-02,  1.50390625e-01,
         1.56250000e-01, -2.81250000e-01, -7.22656250e-02,  2.85644531e-02,
        -1.68945312e-01, -2.57812500e-01,  1.45874023e-02, -3.61328125e-02,
         1.15234375e-01,  1.05957031e-01, -3.24707031e-02,  2.50000000e-01,
        -7.51953125e-02, -1.42578125e-01, -5.05371094e-02,  2.26562500e-01,
         8.44726562e-02, -1.00097656e-01, -1.56250000e-01,  1.38671875e-01,
         1.41601562e-01,  8.30078125e-03,  1.57226562e-01, -1.55029297e-02,
         1.40991211e-02, -7.56835938e-02, -1.63085938e-01, -4.78515625e-02,
        -1.76757812e-01, -4.07714844e-02, -2.40234375e-01, -2.63671875e-02,
        -2.63671875e-01,  1.39648438e-01, -4.80957031e-02,  1.74804688e-01,
        -1.20117188e-01, -8.00781250e-02,  2.63671875e-01,  1.52343750e-01,
        -4.27246094e-02, -3.55468750e-01, -5.68847656e-02, -2.20947266e-02,
         6.44531250e-02, -4.66308594e-02,  1.26953125e-01,  5.20019531e-02,
        -1.25000000e-01,  7.93457031e-03,  9.81445312e-02,  1.56250000e-01,
        -1.95312500e-01,  3.43750000e-01, -7.95898438e-02, -6.49414062e-02,
         3.67187500e-01, -8.25195312e-02,  2.46582031e-02,  4.85839844e-02,
         1.91406250e-01,  5.37109375e-02,  3.61328125e-01, -5.44433594e-02,
        -1.05957031e-01,  4.88281250e-02, -7.56835938e-02,  9.27734375e-02,
        -8.59375000e-02,  2.19726562e-02, -2.57812500e-01, -7.81250000e-02,
         2.16796875e-01, -1.03027344e-01,  2.09960938e-01,  3.85742188e-02,
        -3.58886719e-02,  9.71679688e-02,  1.34765625e-01,  2.39257812e-02,
        -1.45507812e-01, -9.08203125e-02,  1.03515625e-01, -1.04492188e-01,
         9.08203125e-02,  9.13085938e-02,  3.19824219e-02,  3.06396484e-02,
         9.57031250e-02, -7.17773438e-02,  1.71875000e-01,  3.30078125e-01,
        -1.39770508e-02,  1.20117188e-01,  3.45703125e-01,  8.59375000e-02,
         5.17578125e-02,  1.45507812e-01,  1.89453125e-01, -1.69921875e-01,
        -6.54296875e-02, -6.03027344e-02, -1.15722656e-01, -5.81054688e-02,
        -9.37500000e-02,  8.93554688e-02, -1.53320312e-01, -4.37011719e-02,
        -2.28515625e-01,  2.29492188e-01,  1.28906250e-01,  1.20605469e-01,
        -1.40625000e-01, -2.50244141e-02, -1.12304688e-01, -2.20947266e-02,
         7.71484375e-02, -8.88671875e-02, -2.79296875e-01,  2.24609375e-01,
        -1.46484375e-01, -3.28125000e-01,  1.13281250e-01, -2.83203125e-01,
        -5.61523438e-02, -9.76562500e-02, -2.70996094e-02, -1.10351562e-01,
        -1.75781250e-01, -1.26953125e-01, -1.24511719e-01, -1.57226562e-01,
        -1.73339844e-02,  1.53198242e-02, -6.64062500e-02,  2.30468750e-01,
```

```
         1.45507812e-01,  1.28906250e-01, -4.58984375e-02,  1.69677734e-02,
         3.12500000e-01, -2.14843750e-01, -1.51367188e-01,  2.10937500e-01,
        -1.77734375e-01,  4.76074219e-02, -9.91210938e-02,  1.48437500e-01,
        -2.51464844e-02,  1.69921875e-01,  2.48046875e-01,  1.31835938e-01,
         1.27929688e-01,  1.20117188e-01, -2.92968750e-01,  5.17578125e-02,
        -2.38281250e-01, -1.51367188e-01, -1.57226562e-01,  1.30859375e-01,
        -3.19824219e-02, -7.76367188e-02,  1.14257812e-01,  1.31835938e-01,
         3.04687500e-01,  6.10351562e-02, -1.59912109e-02,  7.76367188e-02,
        -6.03027344e-02, -9.08203125e-02, -2.03125000e-01,  8.05664062e-02,
         1.58203125e-01, -1.10839844e-01, -6.07910156e-02, -3.46679688e-02,
         3.83300781e-02, -3.84765625e-01,  1.10351562e-01,  7.66601562e-02,
        -5.37109375e-03, -1.04492188e-01, -3.50952148e-04, -1.94335938e-01,
        -1.75781250e-01, -6.39648438e-02,  1.86523438e-01, -1.82617188e-01,
        -2.37304688e-01,  4.15039062e-02, -8.59375000e-02, -1.34765625e-01,
        -1.17187500e-01,  1.57470703e-02,  3.06640625e-01,  8.59375000e-02,
        -2.42187500e-01, -1.03515625e-01,  1.27929688e-01,  1.35742188e-01,
        -4.24804688e-02,  3.34472656e-02, -9.42382812e-02,  4.85839844e-02,
         6.78710938e-02, -5.90820312e-02, -1.11328125e-01, -1.51367188e-01,
         1.42822266e-02, -2.34375000e-01, -1.14746094e-01,  3.45703125e-01,
        -3.06640625e-01,  8.59375000e-02, -1.81884766e-02,  1.06445312e-01,
         1.57226562e-01, -1.27929688e-01,  4.07714844e-02,  2.63671875e-01,
        -5.59082031e-02, -5.85937500e-02, -1.24511719e-01, -1.13525391e-02,
        -2.79296875e-01,  1.61132812e-01,  1.66015625e-01, -1.48437500e-01,
        -1.72851562e-01,  1.07910156e-01,  1.49414062e-01,  1.84570312e-01,
        -1.87500000e-01,  1.11328125e-01,  7.32421875e-02,  3.43750000e-01,
         2.12890625e-01, -1.72851562e-01, -1.51367188e-01, -1.34765625e-01,
        -4.44335938e-02,  5.49316406e-02, -4.21142578e-03,  1.23535156e-01,
        -2.30407715e-03,  2.71484375e-01, -9.57031250e-02,  3.24707031e-0
2],
       dtype=float32),
 'already': array([-0.00714111,  0.00448608,  0.02062988,  0.01080322, -0.1
0107422,
         0.15234375, -0.18066406, -0.05664062, -0.02172852,  0.18652344,
        -0.09521484, -0.06933594,  0.04125977,  0.05200195, -0.13085938,
        -0.109375  ,  0.07373047,  0.06787109, -0.1328125 ,  0.12255859,
        -0.06640625,  0.02954102,  0.06494141, -0.27929688,  0.3359375 ,
        -0.04296875, -0.01525879, -0.04101562, -0.08251953,  0.02453613,
         0.00234985,  0.13183594, -0.02209473, -0.00218201,  0.24316406,
        -0.16992188,  0.04296875, -0.16894531, -0.00521851, -0.02478027,
         0.16113281, -0.02319336,  0.03369141, -0.01916504,  0.10058594,
        -0.1328125 ,  0.02001953,  0.01879883,  0.02709961, -0.08447266,
         0.07275391, -0.03393555, -0.1953125 , -0.08837891,  0.05859375,
         0.14453125, -0.16796875, -0.13867188,  0.07568359, -0.10791016,
        -0.16992188,  0.11328125,  0.07470703, -0.00772095, -0.17089844,
        -0.12060547,  0.08300781,  0.09716797, -0.24609375,  0.08935547,
        -0.07373047,  0.18652344,  0.08544922,  0.10888672, -0.06640625,
         0.09521484,  0.13476562,  0.12207031, -0.03881836,  0.05151367,
         0.24609375, -0.10205078,  0.00567627, -0.17871094, -0.00540161,
        -0.13574219, -0.17773438,  0.25195312,  0.08203125, -0.17089844,
         0.05493164,  0.19238281, -0.05297852, -0.16308594, -0.07861328,
        -0.13671875, -0.05761719, -0.00518799,  0.00909424, -0.00082397,
         0.06494141, -0.07373047, -0.0625    ,  0.06787109, -0.02709961,
        -0.06787109, -0.03295898, -0.0057373 ,  0.12890625, -0.02905273,
         0.05322266,  0.02966309, -0.01367188, -0.07080078,  0.06933594,
         0.01416016,  0.12255859,  0.00564575,  0.09228516, -0.05810547,
        -0.07128906,  0.00379944, -0.10302734,  0.1640625 , -0.0390625 ,
        -0.01611328,  0.02050781,  0.02429199, -0.00254822,  0.09765625,
         0.08984375, -0.00227356, -0.06787109, -0.24707031, -0.0291748 ,
        -0.00622559,  0.11279297,  0.1640625 , -0.04443359,  0.03125   ,
        -0.09082031, -0.01403809,  0.11376953,  0.09228516,  0.16015625,
        -0.02954102, -0.04931641,  0.02722168, -0.19726562, -0.03588867,
         0.04125977,  0.05175781, -0.11474609, -0.14257812,  0.18652344,
        -0.19433594, -0.21289062, -0.15527344, -0.15625   ,  0.02844238,
        -0.01135254,  0.09082031, -0.01782227, -0.03540039,  0.09814453,
```

```
        -0.03930664, -0.00466919, -0.09179688, -0.02746582, -0.15039062,
         0.06005859, -0.03515625, -0.01672363, -0.09863281, -0.02282715,
        -0.12695312, -0.078125  , -0.13671875,  0.01635742, -0.08886719,
         0.03125   , -0.17773438, -0.07226562,  0.13964844,  0.13085938,
        -0.12207031, -0.01489258, -0.01019287,  0.02172852,  0.0135498 ,
        -0.03100586,  0.10693359,  0.05200195, -0.02490234, -0.01733398,
         0.08984375, -0.00442505,  0.00198364,  0.04516602, -0.21484375,
         0.0480957 ,  0.10498047,  0.0546875 ,  0.09716797,  0.07763672,
        -0.07470703, -0.078125  , -0.09277344,  0.08691406,  0.12792969,
         0.046875  , -0.14550781, -0.01733398,  0.09375   , -0.07958984,
         0.03039551,  0.21289062, -0.06494141, -0.04418945,  0.16503906,
        -0.18261719,  0.04492188, -0.11035156, -0.04907227,  0.19042969,
        -0.02404785, -0.15722656,  0.05615234,  0.10888672, -0.19726562,
        -0.06884766, -0.11523438,  0.09619141,  0.12451172, -0.06884766,
         0.00265503,  0.01989746, -0.17675781,  0.0123291 , -0.10058594,
        -0.12792969,  0.00352478,  0.13964844, -0.09716797, -0.00708008,
        -0.07275391,  0.1953125 , -0.05859375, -0.16015625,  0.02380371,
        -0.0625    , -0.00872803,  0.09375   ,  0.09619141,  0.12255859,
        -0.08154297,  0.09765625,  0.23046875, -0.01062012, -0.08105469,
         0.00860596,  0.00137329, -0.08642578,  0.20800781,  0.00842285,
         0.22167969, -0.02661133,  0.08154297,  0.10791016, -0.03662109,
         0.09960938,  0.09960938,  0.1484375 ,  0.04833984, -0.11572266,
        -0.02624512,  0.01397705, -0.16308594,  0.0703125 , -0.1640625 ,
         0.10107422, -0.00320435, -0.03466797,  0.125     ,  0.07763672,
         0.04003906, -0.22070312, -0.09472656,  0.20117188,  0.0703125 ,
        -0.17675781, -0.14160156,  0.00299072,  0.05053711,  0.18847656,
         0.03149414,  0.04125977,  0.01416016, -0.06689453, -0.15136719],
       dtype=float32),
 'rely': array([ 0.3515625 , -0.01879883, -0.01647949,  0.1875    , -0.2675
7812,
         0.22167969,  0.34765625, -0.17382812,  0.08251953,  0.17578125,
         0.18847656,  0.11914062, -0.33203125,  0.265625  ,  0.08251953,
        -0.01019287,  0.19433594, -0.05249023, -0.13769531,  0.10400391,
        -0.43945312,  0.06640625, -0.05688477,  0.20410156,  0.2890625 ,
        -0.21191406,  0.10791016, -0.01055908,  0.00805664, -0.28710938,
         0.22851562, -0.23535156, -0.05273438, -0.27539062, -0.01159668,
        -0.00485229, -0.16015625,  0.27734375, -0.11328125, -0.10302734,
         0.17773438,  0.25585938,  0.08642578,  0.03662109,  0.328125  ,
        -0.32421875, -0.07324219, -0.18945312, -0.04736328,  0.08984375,
        -0.12890625, -0.05810547, -0.09472656, -0.1875    , -0.20996094,
        -0.05761719, -0.12695312, -0.14257812,  0.03735352, -0.06787109,
        -0.05273438, -0.18652344, -0.29882812,  0.14257812,  0.328125  ,
        -0.10253906, -0.2734375 ,  0.1640625 ,  0.08300781, -0.09277344,
         0.09912109, -0.28515625,  0.05615234, -0.12597656,  0.08496094,
        -0.21582031, -0.17089844,  0.12597656,  0.06591797, -0.04467773,
        -0.15722656, -0.16796875,  0.3125    , -0.15039062,  0.02978516,
         0.03088379, -0.10351562,  0.00242615,  0.1328125 , -0.03369141,
         0.18261719, -0.10595703,  0.22753906,  0.07226562,  0.078125  ,
        -0.10546875, -0.15039062,  0.12695312, -0.14550781,  0.01391602,
        -0.03759766, -0.34179688, -0.03466797,  0.34570312, -0.0703125 ,
        -0.33984375, -0.01226807,  0.10107422,  0.19042969,  0.0324707 ,
        -0.01965332,  0.125     , -0.22558594, -0.00497437,  0.14941406,
         0.01586914, -0.10058594,  0.05322266,  0.12060547, -0.03637695,
        -0.06835938, -0.03027344, -0.13183594,  0.22753906, -0.06542969,
        -0.22363281,  0.05273438, -0.16113281, -0.09130859, -0.26757812,
         0.0703125 , -0.00701904, -0.0112915 ,  0.20703125, -0.08935547,
         0.02050781,  0.13867188,  0.10205078, -0.25585938, -0.06103516,
        -0.03979492, -0.18945312,  0.0703125 ,  0.25      ,  0.25585938,
        -0.08154297, -0.01123047, -0.18945312,  0.12792969, -0.01586914,
        -0.08691406,  0.171875  ,  0.08251953, -0.27539062,  0.00154114,
         0.07617188, -0.09326172, -0.20019531, -0.25585938, -0.01818848,
         0.19628906,  0.15722656, -0.17089844, -0.1875    ,  0.33789062,
        -0.20019531, -0.10009766, -0.33007812,  0.09130859, -0.32226562,
        -0.09228516, -0.08203125, -0.00619507, -0.01831055, -0.15722656,
```

```
        -0.2421875 ,  0.28710938, -0.34179688, -0.22558594, -0.09765625,
        -0.38671875, -0.17773438,  0.31640625,  0.02233887, -0.23535156,
        -0.24902344, -0.21777344, -0.18066406,  0.02197266,  0.28320312,
         0.140625  , -0.10644531,  0.12451172, -0.22949219, -0.18261719,
        -0.21484375,  0.08837891, -0.18457031, -0.09228516, -0.01623535,
         0.14160156,  0.19824219, -0.11669922,  0.04443359, -0.35742188,
         0.04199219,  0.06396484, -0.25976562, -0.27734375, -0.328125  ,
         0.01287842, -0.06640625, -0.01672363, -0.08154297,  0.10107422,
        -0.20800781,  0.30078125,  0.07080078, -0.21484375, -0.18652344,
        -0.07226562,  0.03295898, -0.24707031, -0.0559082 ,  0.01147461,
        -0.07080078,  0.20117188,  0.2109375 , -0.10205078,  0.2890625 ,
         0.07275391,  0.01721191,  0.3828125 , -0.08886719,  0.07763672,
        -0.06176758, -0.23046875, -0.41210938, -0.1484375 , -0.05297852,
        -0.05688477,  0.18554688, -0.09423828,  0.02209473, -0.06079102,
         0.12792969,  0.08544922,  0.1875    ,  0.05175781, -0.10742188,
        -0.07080078,  0.00209045, -0.02734375,  0.16503906, -0.03466797,
         0.12695312, -0.1875    ,  0.20800781, -0.07470703,  0.17773438,
        -0.36523438,  0.24804688,  0.01916504,  0.375     , -0.16210938,
         0.12304688,  0.13769531, -0.06152344, -0.07226562, -0.22070312,
         0.05444336,  0.296875  , -0.04736328,  0.18554688,  0.10009766,
        -0.12304688, -0.23339844, -0.08154297,  0.13085938, -0.02832031,
        -0.21484375, -0.12158203,  0.31054688,  0.19140625,  0.01867676,
        -0.13964844, -0.296875  ,  0.296875  ,  0.07324219,  0.0168457 ,
         0.171875  ,  0.5       ,  0.06835938,  0.16601562, -0.00077438,
        -0.13574219,  0.13378906, -0.02954102,  0.0859375 ,  0.12597656],
       dtype=float32),
 'product': array([-6.15234375e-02,  9.52148438e-02,  1.33789062e-01,  6.49
414062e-02,
        -1.20117188e-01,  9.86328125e-02,  2.85156250e-01, -1.21582031e-01,
         1.73828125e-01,  3.85742188e-02, -1.50390625e-01, -1.67968750e-01,
        -4.46777344e-02, -1.55273438e-01, -1.67968750e-01, -2.70996094e-02,
         2.48046875e-01,  6.88476562e-02, -1.23046875e-01,  1.83105469e-02,
        -2.14843750e-02,  7.86132812e-02, -1.99218750e-01,  7.37304688e-02,
         4.63867188e-02,  6.17675781e-02, -7.41577148e-03,  1.62109375e-01,
         1.48437500e-01,  4.71191406e-02, -1.28906250e-01, -5.22460938e-02,
        -1.85546875e-02, -1.22680664e-02,  8.34960938e-02,  2.30407715e-03,
         4.17480469e-02, -3.92578125e-01,  1.54296875e-01, -1.18652344e-01,
        -1.07421875e-01,  3.01513672e-02, -1.67236328e-02, -4.76074219e-02,
        -3.61328125e-01, -1.70898438e-01, -8.49609375e-02,  8.59375000e-02,
         4.49218750e-02,  5.66406250e-02,  8.88671875e-02, -6.73828125e-02,
        -1.00585938e-01, -1.48437500e-01,  2.49023438e-01, -5.95703125e-02,
         1.70898438e-01, -4.19921875e-02,  2.26562500e-01, -1.04003906e-01,
        -4.66308594e-02,  8.25195312e-02, -2.06054688e-01, -4.29687500e-02,
        -1.16210938e-01,  9.22851562e-02,  1.20239258e-02,  2.33650208e-05,
        -3.46679688e-02,  1.89208984e-02, -3.03955078e-02, -1.41601562e-01,
        -1.49414062e-01, -1.52343750e-01, -1.74804688e-01,  6.22558594e-02,
         3.49121094e-02, -6.93359375e-02,  2.15820312e-01,  3.29589844e-02,
         5.43212891e-03,  4.19921875e-02, -1.69372559e-03,  1.27929688e-01,
         1.72851562e-01, -8.98437500e-02,  1.63574219e-02,  2.59765625e-01,
         1.06445312e-01,  1.90429688e-01,  2.06298828e-02, -1.55273438e-01,
        -3.28125000e-01,  1.47460938e-01, -5.00488281e-03, -1.14746094e-01,
        -2.05078125e-01,  1.57226562e-01,  1.86523438e-01,  2.91015625e-01,
         7.81250000e-02,  8.93554688e-02,  6.73828125e-02, -2.12402344e-02,
        -4.83398438e-02, -3.33984375e-01, -1.75781250e-01,  1.51367188e-01,
         4.51660156e-02,  4.34570312e-02, -1.72851562e-01, -4.22363281e-02,
        -5.44433594e-02,  5.59082031e-02,  2.25585938e-01,  7.17773438e-02,
        -2.41210938e-01, -7.51953125e-02,  2.22656250e-01, -1.82617188e-01,
        -4.10156250e-02,  1.04492188e-01, -9.61914062e-02,  2.42614746e-03,
         2.57812500e-01,  1.05590820e-02, -3.08593750e-01, -5.22460938e-02,
         1.78710938e-01,  1.24023438e-01, -1.08886719e-01,  2.79296875e-01,
         6.43920898e-03, -1.49536133e-03, -7.08007812e-02, -5.88378906e-02,
         2.15820312e-01,  1.22070312e-01,  1.18164062e-01, -8.30078125e-02,
        -9.27734375e-03,  3.93066406e-02,  4.88281250e-02,  1.73339844e-02,
         7.37304688e-02, -8.93554688e-02,  4.31640625e-01, -5.73730469e-02,
```

```
        -3.00781250e-01, -2.90527344e-02,  1.04492188e-01, -1.01074219e-01,
        -4.66308594e-02,  4.02832031e-02, -1.02050781e-01, -7.47070312e-02,
        -4.27734375e-01,  1.31835938e-01, -4.27246094e-02,  3.58886719e-02,
         2.33154297e-02, -4.90722656e-02, -1.59179688e-01,  3.00781250e-01,
         9.32617188e-02, -3.41796875e-03,  8.10546875e-02,  1.72119141e-02,
        -8.20312500e-02, -1.29882812e-01,  8.42285156e-03, -2.89062500e-01,
         3.73535156e-02, -2.03125000e-01, -1.31835938e-01, -5.90820312e-02,
         1.44531250e-01, -1.76757812e-01, -1.61132812e-01, -4.27246094e-02,
         5.10253906e-02, -2.22656250e-01,  3.29589844e-03, -1.04492188e-01,
        -2.10937500e-01, -1.33789062e-01, -9.08203125e-02,  4.51660156e-02,
        -7.81250000e-02,  3.19824219e-02, -6.22558594e-02, -1.27929688e-01,
        -1.54296875e-01, -1.09863281e-01, -1.59179688e-01,  3.93066406e-02,
         1.25122070e-02, -2.00195312e-02, -1.13281250e-01, -2.89062500e-01,
        -1.47460938e-01, -1.17187500e-01,  6.64062500e-02,  1.44531250e-01,
        -1.70898438e-01, -1.83105469e-02,  9.71679688e-02, -1.05468750e-01,
        -5.34667969e-02,  1.39160156e-02, -4.24804688e-02,  1.03515625e-01,
        -1.79687500e-01,  1.12792969e-01,  5.41992188e-02, -9.17968750e-02,
         1.47460938e-01, -6.92749023e-03, -2.09960938e-02,  1.53320312e-01,
         5.51757812e-02, -6.29882812e-02,  1.66992188e-01,  5.24902344e-02,
         1.41601562e-01,  6.93359375e-02, -1.51367188e-01, -2.55126953e-02,
         8.91113281e-03,  8.64257812e-02, -6.88476562e-02,  2.19726562e-01,
        -3.83300781e-02, -3.06640625e-01, -1.86523438e-01, -1.29882812e-01,
        -2.70996094e-02,  1.60156250e-01,  3.02734375e-02, -1.58203125e-01,
         1.23901367e-02,  1.97753906e-02,  1.59179688e-01, -1.64794922e-02,
         3.10546875e-01, -1.25000000e-01, -1.43554688e-01,  6.93359375e-02,
        -4.54101562e-02, -2.63671875e-02, -2.94921875e-01, -6.00585938e-02,
         1.10351562e-01, -3.08593750e-01, -1.30859375e-01,  8.83789062e-02,
        -1.23046875e-01, -4.56542969e-02, -3.29589844e-02, -2.28515625e-01,
         1.71875000e-01, -1.73339844e-02, -2.63671875e-02,  1.06933594e-01,
         2.50244141e-02, -1.19140625e-01, -4.00390625e-02, -1.64062500e-01,
        -2.11914062e-01, -2.08007812e-01, -5.15136719e-02,  6.83593750e-02,
        -1.13769531e-01, -5.44433594e-02, -1.31225586e-02,  1.07421875e-01,
        -7.50732422e-03,  3.66210938e-02,  6.59179688e-02,  9.33837891e-03,
        -9.22851562e-02, -9.86328125e-02,  2.06054688e-01,  1.94335938e-01,
        -7.22656250e-02,  1.69921875e-01, -2.33154297e-02,  1.19140625e-01,
         9.76562500e-02, -4.32128906e-02, -1.06201172e-02,  1.60156250e-01,
        -2.28515625e-01,  7.86132812e-02, -6.37817383e-03,  1.39648438e-01,
         1.25000000e-01,  1.39648438e-01,  2.96630859e-02,  8.43048096e-0
4],
       dtype=float32),
 "'re": array([ 0.15917969,  0.01251221,  0.08642578,  0.27929688, -0.26562
5  ,
         0.04345703,  0.01019287, -0.12109375, -0.08398438, -0.07763672,
        -0.10449219, -0.04370117,  0.04638672,  0.03710938, -0.12695312,
         0.08251953, -0.17871094,  0.41210938,  0.10546875,  0.0246582 ,
        -0.20117188, -0.08007812,  0.08984375, -0.11767578,  0.45117188,
         0.078125  ,  0.04931641,  0.04663086, -0.06445312, -0.23242188,
        -0.18359375,  0.06201172, -0.16113281, -0.0234375 ,  0.109375  ,
         0.09716797,  0.00939941,  0.03564453,  0.19140625,  0.06225586,
         0.17773438, -0.23730469,  0.22558594,  0.06689453, -0.00704956,
         0.10742188,  0.07080078, -0.04736328,  0.01611328,  0.03735352,
         0.09667969,  0.24804688, -0.04638672, -0.09033203,  0.21875   ,
        -0.06494141,  0.30273438, -0.03466797,  0.20996094, -0.02124023,
        -0.14160156,  0.2265625 , -0.21191406, -0.02307129, -0.01123047,
        -0.08251953, -0.06005859,  0.12109375, -0.3125    ,  0.08789062,
         0.05151367,  0.14257812,  0.03100586, -0.12695312, -0.29492188,
        -0.14550781,  0.10888672, -0.00335693,  0.17578125,  0.390625  ,
        -0.07226562, -0.13769531,  0.09863281, -0.07128906,  0.15429688,
        -0.01507568, -0.13476562,  0.4140625 ,  0.42382812,  0.1640625 ,
         0.03955078,  0.12988281, -0.09765625, -0.13867188, -0.07958984,
        -0.24023438,  0.20898438,  0.16992188, -0.00830078, -0.11279297,
        -0.13476562, -0.08349609, -0.07910156,  0.28125   , -0.14453125,
        -0.15527344,  0.00567627,  0.0267334 ,  0.04003906, -0.01782227,
        -0.0177002 , -0.10351562,  0.08886719,  0.1484375 , -0.20898438,
```

```
         0.18066406,  0.01574707, -0.23730469,  0.16699219, -0.11816406,
         0.02954102, -0.05566406, -0.04541016,  0.2890625 ,  0.2890625 ,
         0.0291748 , -0.07373047,  0.04589844,  0.00527954,  0.09716797,
         0.0559082 , -0.26367188, -0.1484375 ,  0.03320312,  0.11962891,
        -0.09033203,  0.296875  ,  0.08203125,  0.14257812,  0.22460938,
         0.11669922,  0.06689453,  0.29101562,  0.03662109,  0.04370117,
         0.06298828,  0.01226807, -0.43554688,  0.00646973, -0.05541992,
        -0.00793457,  0.1875    , -0.17773438,  0.05541992,  0.04199219,
        -0.03588867,  0.06298828, -0.20214844, -0.1328125 ,  0.20996094,
        -0.14160156,  0.1796875 ,  0.07617188,  0.21972656,  0.13964844,
        -0.2265625 , -0.10693359, -0.15917969,  0.3046875 ,  0.01300049,
        -0.35351562, -0.26367188,  0.12890625,  0.04882812, -0.05200195,
        -0.07324219,  0.08935547,  0.15429688,  0.04980469,  0.25390625,
        -0.11425781, -0.07421875,  0.17089844,  0.00157928, -0.02783203,
        -0.04907227, -0.13476562,  0.08642578,  0.12402344,  0.07763672,
         0.078125  ,  0.01031494, -0.08203125, -0.00982666, -0.22851562,
         0.05883789, -0.00396729, -0.11230469, -0.18847656,  0.02722168,
         0.12988281,  0.04833984, -0.05371094, -0.00078201, -0.25390625,
         0.34570312, -0.109375  , -0.28710938, -0.06591797,  0.20996094,
         0.13671875,  0.16601562,  0.07128906,  0.05249023, -0.10253906,
         0.10693359,  0.16699219, -0.11767578, -0.31054688,  0.01013184,
        -0.16894531, -0.1953125 , -0.1875    , -0.15136719,  0.09667969,
         0.04467773,  0.09765625,  0.1484375 , -0.2890625 ,  0.02978516,
        -0.10498047, -0.07226562, -0.26367188,  0.12060547, -0.01879883,
        -0.03417969, -0.10253906,  0.01745605,  0.16210938,  0.19433594,
         0.05175781,  0.2734375 , -0.02612305, -0.02172852, -0.05371094,
         0.046875  ,  0.10400391,  0.39257812, -0.08007812, -0.18847656,
        -0.06884766, -0.25585938,  0.08105469,  0.08740234, -0.03271484,
        -0.09033203,  0.08154297, -0.05981445,  0.01977539, -0.00415039,
        -0.02954102, -0.05517578, -0.11279297,  0.23242188, -0.07861328,
         0.4296875 , -0.06396484, -0.19238281, -0.12597656, -0.05395508,
        -0.01672363,  0.4140625 ,  0.20507812,  0.35351562, -0.07519531,
         0.11279297, -0.09228516, -0.2734375 , -0.14355469, -0.13671875,
         0.0168457 , -0.21484375, -0.06347656, -0.03955078, -0.06445312,
         0.13574219, -0.17773438, -0.24023438,  0.18066406,  0.01501465,
        -0.05639648,  0.04785156, -0.14257812,  0.05200195, -0.16113281,
         0.1875    ,  0.046875  , -0.12988281,  0.15820312,  0.15820312],
       dtype=float32),
 'still': array([ 0.23242188,  0.02099609,  0.02868652,  0.05126953, -0.120
11719,
         0.16796875, -0.00500488, -0.13378906,  0.296875  , -0.04077148,
        -0.21386719, -0.03588867, -0.09472656, -0.04003906, -0.23730469,
         0.03979492,  0.12011719,  0.10302734, -0.10107422, -0.09277344,
        -0.22363281,  0.03588867,  0.06542969, -0.03295898,  0.07763672,
        -0.08496094, -0.16992188, -0.00769043,  0.03198242, -0.10351562,
        -0.05859375,  0.09912109, -0.06542969, -0.03686523,  0.0559082 ,
        -0.00360107,  0.07275391,  0.0213623 ,  0.04418945,  0.01623535,
         0.08544922, -0.09814453,  0.05078125,  0.04663086,  0.04833984,
         0.10839844, -0.09277344,  0.04101562,  0.04663086,  0.04760742,
         0.10742188,  0.03149414, -0.05395508,  0.01794434,  0.05615234,
        -0.02734375,  0.05297852, -0.04101562,  0.04345703, -0.07958984,
        -0.05053711,  0.19140625, -0.07177734, -0.04418945, -0.1484375 ,
        -0.05029297,  0.02319336,  0.08349609, -0.1953125 ,  0.17480469,
        -0.0168457 ,  0.14257812,  0.13671875, -0.04541016, -0.12255859,
         0.01434326,  0.14941406, -0.00231934, -0.01531982,  0.17578125,
         0.11230469, -0.1015625 ,  0.10888672, -0.05957031, -0.11621094,
        -0.11035156, -0.14257812,  0.17675781,  0.03735352, -0.06689453,
         0.04418945,  0.11962891,  0.04321289, -0.08056641, -0.06689453,
        -0.06054688,  0.06347656,  0.01098633, -0.03344727, -0.00830078,
        -0.140625  ,  0.05712891,  0.14746094,  0.05883789, -0.00288391,
        -0.12890625,  0.03417969, -0.12890625, -0.04321289,  0.07958984,
         0.21972656,  0.18457031, -0.05712891, -0.00448608, -0.15039062,
         0.16992188,  0.07373047, -0.15234375,  0.06787109,  0.09960938,
        -0.16503906,  0.16503906,  0.07617188,  0.03063965,  0.02478027,
```

```
        -0.01135254, -0.06445312, -0.02258301, -0.16113281,  0.08935547,
         0.28125   , -0.16015625,  0.04882812, -0.13378906, -0.22167969,
        -0.07177734,  0.15332031,  0.15820312,  0.12597656,  0.07861328,
         0.07714844, -0.16699219,  0.16601562,  0.06445312,  0.03710938,
         0.01928711, -0.20117188, -0.15820312, -0.06738281,  0.01708984,
        -0.03613281,  0.18847656, -0.18164062,  0.04858398,  0.05322266,
         0.07080078, -0.08007812, -0.16015625, -0.1328125 ,  0.14257812,
        -0.01611328,  0.14746094,  0.0111084 ,  0.0213623 ,  0.140625  ,
        -0.08007812, -0.03491211,  0.11425781, -0.02001953, -0.09667969,
        -0.16894531,  0.08642578, -0.01977539, -0.11279297, -0.08105469,
        -0.03222656, -0.04467773, -0.140625  ,  0.0234375 ,  0.01239014,
        -0.06445312, -0.07666016, -0.02282715, -0.00238037, -0.08886719,
         0.03735352,  0.07568359,  0.06982422, -0.00521851,  0.05126953,
         0.0098877 , -0.00799561, -0.06347656, -0.06201172, -0.0378418 ,
         0.13964844,  0.08349609, -0.25585938, -0.19726562, -0.05566406,
         0.03173828, -0.08398438, -0.05249023,  0.01361084,  0.07910156,
        -0.05957031, -0.20703125,  0.00704956,  0.03320312,  0.01855469,
        -0.06079102,  0.0859375 , -0.06884766, -0.02978516, -0.13574219,
         0.03637695,  0.07421875, -0.06030273, -0.09082031,  0.08496094,
        -0.14941406,  0.00759888, -0.16308594, -0.14941406,  0.17773438,
        -0.05004883, -0.02172852, -0.08447266, -0.00340271,  0.0859375 ,
        -0.08251953, -0.05297852,  0.09570312,  0.06152344, -0.05639648,
         0.06152344,  0.11962891, -0.1875    ,  0.07080078,  0.0859375 ,
         0.06933594, -0.06933594, -0.02880859, -0.16308594, -0.07568359,
        -0.16699219,  0.12255859, -0.07470703, -0.07958984,  0.08496094,
        -0.02624512,  0.07373047,  0.24707031,  0.05493164,  0.1484375 ,
        -0.12158203,  0.14257812,  0.12060547, -0.02111816,  0.06933594,
         0.05859375, -0.12011719, -0.00872803,  0.22558594,  0.0008812 ,
         0.2578125 , -0.07177734, -0.06445312,  0.04125977, -0.03051758,
         0.10107422,  0.0559082 ,  0.23632812, -0.05688477, -0.08349609,
         0.02282715,  0.00500488, -0.16210938, -0.12695312, -0.00150299,
         0.1484375 , -0.04174805, -0.00463867,  0.04516602,  0.04980469,
        -0.07373047, -0.08740234,  0.0032959 ,  0.04541016,  0.06445312,
        -0.14746094, -0.10253906,  0.01623535, -0.0456543 , -0.06738281,
         0.06933594,  0.05615234,  0.0144043 ,  0.11035156, -0.03564453],
       dtype=float32),
 'midst': array([ 3.30078125e-01,  3.32031250e-01, -4.24804688e-02, -1.0192
8711e-02,
        -2.11914062e-01,  9.22851562e-02, -1.20117188e-01, -1.16699219e-01,
         1.63085938e-01,  1.71875000e-01, -3.44238281e-02, -3.06640625e-01,
        -2.30468750e-01,  6.29882812e-02,  1.13769531e-01, -1.72851562e-01,
        -1.11694336e-02, -5.67626953e-03,  9.81445312e-02, -1.15722656e-01,
         3.71093750e-02,  8.10546875e-02, -5.59082031e-02, -2.92968750e-01,
         1.65039062e-01,  4.71191406e-02,  3.07617188e-02,  1.04003906e-01,
        -1.83593750e-01,  1.00585938e-01,  8.54492188e-02,  3.02734375e-02,
        -5.81054688e-02,  2.44140625e-01, -6.64062500e-02,  1.05468750e-01,
         5.78613281e-02, -2.75390625e-01,  1.25976562e-01,  1.20605469e-01,
         3.29589844e-02, -4.46777344e-02, -8.10546875e-02, -7.56835938e-02,
        -9.13085938e-02,  1.78710938e-01, -8.44726562e-02, -9.17968750e-02,
        -4.19921875e-02,  7.91015625e-02, -1.13281250e-01, -2.28271484e-02,
        -7.32421875e-02,  1.10351562e-01,  8.00781250e-02,  1.45507812e-01,
         1.95312500e-02, -1.97265625e-01,  1.48437500e-01, -1.23535156e-01,
        -2.41699219e-02,  6.64062500e-02,  1.78710938e-01,  7.76367188e-02,
         9.03320312e-02, -4.37011719e-02, -1.98974609e-02,  3.34472656e-02,
        -2.13867188e-01, -5.59082031e-02, -9.13085938e-02, -3.61633301e-03,
         1.58203125e-01,  4.00390625e-02,  2.11914062e-01, -1.04980469e-01,
         3.64685059e-03,  4.00390625e-02, -3.28125000e-01,  2.12890625e-01,
        -9.03320312e-02,  1.79687500e-01, -1.58203125e-01, -4.45312500e-01,
         8.64257812e-02,  5.24902344e-02,  3.85742188e-02,  1.41601562e-01,
         6.29882812e-02, -4.93164062e-02,  1.92382812e-01, -3.36914062e-02,
         1.29882812e-01, -1.28906250e-01,  1.28173828e-03, -1.39648438e-01,
         1.25976562e-01, -1.50390625e-01, -5.27343750e-02,  1.10839844e-01,
        -2.91015625e-01, -1.43432617e-02,  3.00292969e-02,  1.59179688e-01,
        -1.86523438e-01, -4.86328125e-01, -4.98046875e-02, -2.03857422e-02,
```

```
        -2.09960938e-01,  9.52148438e-03, -7.51953125e-02,  8.05664062e-02,
         8.05664062e-02, -2.07519531e-02,  1.63085938e-01,  2.69531250e-01,
        -5.76171875e-02, -4.80957031e-02,  2.73437500e-01,  1.54296875e-01,
        -1.44531250e-01, -2.57812500e-01, -9.17968750e-02, -3.44238281e-02,
         4.68750000e-02,  3.32031250e-01, -2.53906250e-01, -2.09960938e-01,
         1.25976562e-01,  1.58203125e-01,  1.80664062e-01, -1.43554688e-01,
        -2.73437500e-01, -8.48388672e-03, -2.53677368e-04, -2.57568359e-02,
         1.31835938e-01,  8.93554688e-02,  1.92382812e-01, -9.71679688e-02,
        -6.54296875e-02, -9.76562500e-02,  2.89062500e-01,  3.07617188e-02,
         5.78613281e-02, -5.15136719e-02, -1.04003906e-01,  1.92871094e-02,
        -9.13085938e-02,  2.28271484e-02,  1.00585938e-01,  1.36718750e-01,
        -2.28515625e-01,  1.74560547e-02,  1.47460938e-01, -6.20117188e-02,
         2.95410156e-02, -7.91015625e-02,  4.37011719e-02, -9.47265625e-02,
        -1.04003906e-01, -8.69140625e-02,  1.79687500e-01, -2.24609375e-01,
         1.04492188e-01,  4.02832031e-02,  6.10351562e-02, -1.87500000e-01,
         2.52685547e-02,  1.17187500e-01,  1.67968750e-01, -2.05078125e-01,
         4.58984375e-02, -2.10937500e-01,  1.00585938e-01, -1.96289062e-01,
        -6.17675781e-02,  3.61328125e-01,  7.93457031e-03, -8.98437500e-02,
        -3.24707031e-02, -8.34960938e-02, -2.11181641e-02, -8.25195312e-02,
        -6.34765625e-02, -7.71484375e-02,  1.01074219e-01, -3.22265625e-02,
         9.94873047e-03,  1.85546875e-01,  1.26953125e-01,  9.86328125e-02,
         6.64062500e-02,  6.98242188e-02, -3.41796875e-01,  1.54296875e-01,
         4.58984375e-02,  2.65625000e-01, -1.84570312e-01, -5.56640625e-02,
         1.50390625e-01, -9.27734375e-03,  2.81982422e-02, -6.15234375e-02,
         5.78613281e-02, -1.49414062e-01,  5.05371094e-02,  7.32421875e-02,
        -1.81884766e-02, -8.15429688e-02, -4.90722656e-02,  3.67187500e-01,
        -1.43432617e-02,  4.66308594e-02,  9.32617188e-02, -6.93359375e-02,
        -1.22558594e-01,  2.81250000e-01, -1.58203125e-01,  1.86523438e-01,
         1.67968750e-01,  3.08593750e-01, -3.22265625e-01,  1.67968750e-01,
         1.27929688e-01,  6.29882812e-02,  9.46044922e-03, -1.85546875e-01,
        -6.10351562e-02,  3.10058594e-02, -8.98437500e-02,  5.51757812e-02,
        -7.03125000e-02,  1.73828125e-01,  1.34765625e-01, -5.98144531e-02,
         2.77343750e-01, -1.95312500e-01,  1.95312500e-01,  1.82617188e-01,
        -2.87109375e-01,  1.61132812e-01, -2.22656250e-01, -1.32812500e-01,
        -1.34765625e-01, -1.89453125e-01,  2.63671875e-02,  7.12890625e-02,
         5.81054688e-02, -1.90429688e-01,  6.59179688e-02, -1.52343750e-01,
         1.25976562e-01,  1.47460938e-01, -9.86328125e-02, -1.87500000e-01,
         3.94531250e-01, -3.83300781e-02, -2.01416016e-02,  1.59912109e-02,
         5.15136719e-02,  1.21093750e-01,  1.87500000e-01,  1.59179688e-01,
         2.40478516e-02,  3.14453125e-01, -1.05957031e-01,  4.07714844e-02,
        -1.30859375e-01,  1.32812500e-01, -1.57226562e-01,  1.97265625e-01,
         2.75390625e-01,  2.44140625e-02, -1.12304688e-01, -1.37939453e-02,
        -3.24707031e-02,  4.88758087e-06,  5.32226562e-02, -1.24023438e-01,
         1.24023438e-01, -2.24609375e-01,  1.83868408e-03,  1.01562500e-01,
        -3.36914062e-02, -4.80957031e-02, -5.90820312e-02, -1.72851562e-01,
         1.16210938e-01, -1.42578125e-01, -2.87109375e-01, -2.23632812e-01,
        -5.71289062e-02,  6.22558594e-03, -5.24902344e-02, -3.53515625e-01,
        -1.36718750e-01,  3.84765625e-01,  2.50000000e-01, -1.63269043e-0
3],
       dtype=float32),
 'curve': array([ 1.04980469e-02, -4.37011719e-02, -1.21582031e-01,  6.5917
9688e-02,
        -2.21679688e-01, -3.37890625e-01, -1.05590820e-02, -3.73046875e-01,
        -2.35557556e-04, -2.25830078e-02,  1.28906250e-01, -1.28906250e-01,
        -1.75781250e-01, -1.04980469e-01, -3.20312500e-01, -1.94335938e-01,
         4.07714844e-02, -2.81982422e-02,  1.15234375e-01, -3.67187500e-01,
         3.20312500e-01,  8.78906250e-02,  4.39453125e-02,  8.44726562e-02,
         4.53125000e-01, -1.67968750e-01, -4.29687500e-02,  1.01562500e-01,
         2.74658203e-02, -4.41894531e-02, -1.17187500e-01,  1.37695312e-01,
         1.08398438e-01, -2.75390625e-01, -2.09960938e-01,  1.78710938e-01,
         3.61328125e-02, -2.33398438e-01,  2.14843750e-01, -1.75781250e-01,
        -3.19824219e-02, -2.86865234e-02, -1.19018555e-02, -5.07812500e-02,
        -1.84570312e-01,  1.56250000e-01,  8.05664062e-02, -1.33789062e-01,
         1.79687500e-01,  8.00781250e-02, -1.16210938e-01,  9.27734375e-02,
```

```
       -1.02050781e-01, -1.79687500e-01,  1.14257812e-01,  4.19921875e-01,
        1.15722656e-01, -2.15820312e-01,  1.28906250e-01, -1.19628906e-01,
        4.49218750e-02, -1.66992188e-01, -3.12500000e-01, -1.95312500e-01,
        2.87109375e-01, -2.78320312e-02,  1.63085938e-01,  2.35351562e-01,
       -6.75201416e-04, -3.36914062e-02, -7.03125000e-02, -8.93554688e-02,
        1.96289062e-01, -2.67578125e-01,  1.36718750e-01,  4.39453125e-02,
       -1.23596191e-03,  2.50000000e-01,  5.05371094e-02,  1.08398438e-01,
        3.53515625e-01,  3.37219238e-03, -2.39257812e-01,  1.02539062e-02,
        3.14453125e-01,  2.83203125e-02, -1.84570312e-01,  4.98046875e-02,
        3.04687500e-01, -1.38671875e-01, -5.66406250e-02, -1.57226562e-01,
        2.89062500e-01,  4.02832031e-02, -3.37890625e-01,  1.62109375e-01,
       -1.90429688e-01,  1.93359375e-01,  1.28906250e-01, -2.61718750e-01,
       -1.00585938e-01, -3.12500000e-01, -5.00488281e-02,  8.69140625e-02,
        4.58984375e-01, -2.06054688e-01, -3.04687500e-01, -5.73730469e-02,
       -6.93359375e-02,  3.44238281e-02,  3.88183594e-02, -2.34375000e-01,
       -2.35351562e-01,  2.34375000e-02, -2.61230469e-02,  1.38671875e-01,
        4.27734375e-01, -1.42578125e-01, -1.03515625e-01,  7.27539062e-02,
        6.88476562e-02,  1.78710938e-01,  1.69921875e-01,  4.45312500e-01,
        1.83593750e-01,  1.36718750e-01,  1.56250000e-01,  6.93359375e-02,
        2.28271484e-02,  1.20117188e-01, -1.03515625e-01, -7.66601562e-02,
       -5.51757812e-02, -1.61132812e-01,  3.59375000e-01,  4.15039062e-02,
        2.28515625e-01,  1.82617188e-01,  8.49609375e-02,  3.35937500e-01,
        1.92382812e-01,  5.20019531e-02, -1.43554688e-01,  8.05664062e-02,
        7.71484375e-02,  3.51562500e-01,  1.04492188e-01, -8.25195312e-02,
       -1.21093750e-01,  4.02832031e-02, -2.20703125e-01, -1.77734375e-01,
        1.86767578e-02,  4.10156250e-01, -4.39453125e-01,  1.29882812e-01,
       -2.57812500e-01, -5.95703125e-02, -3.59375000e-01,  2.38281250e-01,
       -9.22851562e-02,  1.75781250e-01,  2.18750000e-01, -8.93554688e-02,
       -2.81250000e-01,  1.35742188e-01, -1.06811523e-02, -8.25195312e-02,
        8.96453857e-04, -1.27929688e-01, -5.10253906e-02,  1.20117188e-01,
       -2.03125000e-01,  1.91406250e-01,  2.06298828e-02, -9.76562500e-02,
        2.50000000e-01, -1.36718750e-01, -6.73828125e-02,  1.03027344e-01,
       -2.19726562e-01,  1.72119141e-02,  3.86718750e-01, -1.22070312e-02,
        8.88671875e-02, -2.31933594e-02,  2.11914062e-01,  2.43164062e-01,
        4.12597656e-02, -1.21582031e-01,  3.76953125e-01,  2.07031250e-01,
        6.22558594e-03, -2.67578125e-01, -8.59375000e-02,  2.73437500e-01,
       -1.04003906e-01, -3.56445312e-02,  1.92382812e-01,  8.00781250e-02,
        1.62109375e-01, -1.29882812e-01, -1.94335938e-01,  3.39355469e-02,
       -2.67578125e-01, -7.32421875e-02,  3.83300781e-02, -3.35937500e-01,
       -1.16699219e-01,  2.41210938e-01,  4.00390625e-02, -5.12695312e-02,
       -3.96484375e-01, -1.71875000e-01, -3.35937500e-01, -1.66015625e-01,
        5.37109375e-02, -6.68334961e-03, -5.73730469e-02,  2.81250000e-01,
       -5.05371094e-02, -2.16796875e-01,  3.54003906e-02,  1.81640625e-01,
       -3.00781250e-01,  6.15234375e-02,  2.71484375e-01, -2.25585938e-01,
        2.41210938e-01,  2.73437500e-01, -1.19140625e-01,  7.50732422e-03,
        1.37695312e-01, -7.47070312e-02, -1.00585938e-01,  2.18750000e-01,
       -2.08984375e-01, -1.08032227e-02,  2.22656250e-01,  1.08398438e-01,
        1.25000000e-01, -2.24609375e-02,  3.75976562e-02, -6.05468750e-01,
        4.88281250e-02, -8.74023438e-02, -4.15039062e-02,  3.33984375e-01,
       -8.78906250e-02, -1.38671875e-01,  1.25000000e-01,  1.20605469e-01,
       -1.71875000e-01,  1.56250000e-01,  5.41992188e-02, -2.91015625e-01,
       -3.76953125e-01,  2.36328125e-01,  3.49121094e-02, -3.78417969e-02,
       -5.32226562e-02, -1.05468750e-01, -2.55859375e-01,  1.44531250e-01,
        2.34375000e-01,  2.44140625e-01, -1.62109375e-01, -4.64843750e-01,
       -1.04492188e-01,  1.47460938e-01, -1.58203125e-01,  2.51953125e-01,
       -1.38671875e-01, -2.36328125e-01, -8.44726562e-02, -7.81250000e-03,
       -3.71093750e-02,  2.07031250e-01, -4.23828125e-01,  6.98242188e-02,
       -1.38671875e-01,  8.54492188e-02, -3.44238281e-02, -1.04492188e-01,
       -1.33789062e-01, -1.22558594e-01, -4.41894531e-02,  1.44531250e-01,
       -3.45703125e-01,  9.37500000e-02, -3.34472656e-02,  2.27050781e-02,
       -3.73046875e-01, -1.33789062e-01,  3.71093750e-02,  1.53198242e-02,
       -8.64257812e-02,  3.45703125e-01, -5.98144531e-02, -9.61914062e-0
2],
      dtype=float32),
```

```
 'fantastic': array([-1.22558594e-01, -3.78417969e-02, -1.24023438e-01,  2.
64892578e-02,
         2.45117188e-01, -6.98242188e-02,  8.10546875e-02, -5.88378906e-02,
        -8.10546875e-02,  2.17773438e-01, -7.17773438e-02, -6.03027344e-02,
         5.39550781e-02, -1.67968750e-01,  1.46484375e-01,  1.97265625e-01,
         2.11914062e-01,  1.22070312e-01,  4.66918945e-03,  8.11767578e-03,
         1.00097656e-01,  1.99218750e-01,  1.47460938e-01,  8.39843750e-02,
         3.04687500e-01,  9.57031250e-02, -1.13525391e-02,  6.54296875e-02,
         1.87500000e-01, -1.05468750e-01, -9.52148438e-02,  8.74023438e-02,
         4.21875000e-01,  1.49414062e-01,  2.77343750e-01, -3.46374512e-03,
        -1.04492188e-01, -5.85937500e-02, -1.21582031e-01,  1.51367188e-01,
         2.16796875e-01, -1.24023438e-01,  1.37695312e-01,  1.84570312e-01,
        -3.08837891e-02, -2.43164062e-01,  1.81640625e-01,  1.93786621e-03,
         3.90625000e-02, -1.25976562e-01,  7.32421875e-02,  2.65625000e-01,
        -4.51660156e-03,  1.72851562e-01, -1.09375000e-01, -1.39648438e-01,
        -5.49316406e-02, -2.45117188e-01,  1.90429688e-01, -1.24511719e-01,
        -2.83203125e-01,  2.26562500e-01, -2.51953125e-01, -2.69531250e-01,
         1.71875000e-01,  9.27734375e-02, -6.39648438e-02, -2.17773438e-01,
        -1.94335938e-01,  1.40625000e-01, -5.37109375e-02, -4.85839844e-02,
         2.19726562e-01,  5.32226562e-02, -1.50390625e-01,  1.34277344e-02,
         7.27539062e-02,  7.08007812e-02,  3.58886719e-02, -5.88378906e-02,
        -2.92968750e-02, -4.76074219e-02,  6.50024414e-03,  1.45507812e-01,
         9.64355469e-03, -2.79296875e-01, -1.51367188e-01,  1.80664062e-01,
        -8.34960938e-02,  4.46777344e-02,  1.49414062e-01,  1.42578125e-01,
        -2.65625000e-01,  8.23974609e-03, -2.22656250e-01, -5.44433594e-02,
        -4.39453125e-02,  2.03125000e-01,  3.88183594e-02, -1.00097656e-01,
        -1.79687500e-01,  1.67968750e-01, -1.08398438e-01,  4.51660156e-02,
        -1.04492188e-01,  2.21679688e-01,  2.63671875e-01, -1.24023438e-01,
        -2.60009766e-02, -1.89453125e-01, -1.78222656e-02,  2.75390625e-01,
        -5.20019531e-02,  3.39355469e-02,  3.51562500e-01, -3.20312500e-01,
        -9.96093750e-02, -1.88476562e-01,  6.68945312e-02, -1.48437500e-01,
         4.91333008e-03, -1.55273438e-01,  1.94335938e-01,  2.46093750e-01,
        -3.54003906e-02, -7.03125000e-02, -1.77734375e-01, -9.81445312e-02,
        -1.05468750e-01,  1.70898438e-01, -1.93359375e-01, -2.89306641e-02,
        -6.83593750e-02,  6.34765625e-02,  6.98242188e-02, -8.69140625e-02,
        -2.09960938e-02,  1.43554688e-01, -1.56250000e-01,  2.75390625e-01,
        -1.38671875e-01,  1.03515625e-01,  1.26953125e-02, -4.46777344e-02,
        -3.17382812e-02,  7.76367188e-02, -5.17578125e-02,  3.90625000e-02,
         3.63769531e-02, -2.41210938e-01,  2.55859375e-01,  4.31640625e-01,
        -1.07910156e-01,  4.14062500e-01, -1.89208984e-02,  7.51953125e-02,
         4.29687500e-02, -2.87109375e-01, -3.04687500e-01, -2.19726562e-01,
        -9.91210938e-02,  7.95898438e-02,  1.25000000e-01,  2.50000000e-01,
         4.14062500e-01, -4.72656250e-01,  8.64257812e-02, -2.06054688e-01,
        -1.45507812e-01,  1.57470703e-02, -1.05957031e-01,  1.17675781e-01,
         1.63085938e-01,  2.06298828e-02,  2.14843750e-02,  1.11816406e-01,
         9.91210938e-02, -2.96875000e-01, -9.76562500e-02,  5.10253906e-02,
        -1.51367188e-01, -2.26562500e-01,  1.54296875e-01, -1.63085938e-01,
        -1.33789062e-01, -4.88281250e-02, -2.20703125e-01,  4.83398438e-02,
        -9.17968750e-02, -2.61718750e-01, -3.28125000e-01,  1.56250000e-01,
         2.67578125e-01, -1.67968750e-01,  4.90722656e-02, -6.54296875e-02,
         1.05957031e-01, -1.05468750e-01, -2.79296875e-01, -1.88476562e-01,
         1.87500000e-01,  2.16796875e-01, -4.32128906e-02, -1.12304688e-01,
         1.65039062e-01,  1.93359375e-01, -1.37695312e-01,  5.90820312e-02,
        -1.14257812e-01,  1.84570312e-01,  2.20947266e-02,  6.01196289e-03,
        -1.81640625e-01, -6.25000000e-02,  5.24902344e-02, -1.99218750e-01,
         4.10156250e-01, -1.17675781e-01,  9.86328125e-02, -1.05468750e-01,
        -4.73632812e-02,  7.51953125e-02, -5.49316406e-02,  2.85644531e-02,
        -1.06048584e-03,  1.13769531e-01, -1.54296875e-01, -3.06640625e-01,
         2.92968750e-03, -7.47070312e-02, -1.81640625e-01, -1.64794922e-02,
         2.37304688e-01,  5.51757812e-02,  6.12792969e-02, -2.68554688e-02,
        -1.75781250e-01, -1.92871094e-02,  1.73828125e-01,  1.97753906e-02,
         1.25976562e-01, -1.11694336e-02,  2.25830078e-03, -2.69775391e-02,
        -8.05664062e-02,  8.88671875e-02,  7.56835938e-02, -7.86132812e-02,
        -2.26562500e-01, -2.87109375e-01,  6.83593750e-02,  2.25585938e-01,
```

```
         1.14257812e-01,  3.47656250e-01,  2.71484375e-01, -1.24511719e-01,
         2.10762024e-04, -5.00488281e-02, -2.50000000e-01, -2.67578125e-01,
        -1.42578125e-01, -3.51562500e-02, -3.66210938e-02,  6.93359375e-02,
         6.10351562e-02, -4.07714844e-02,  7.61718750e-02, -1.96289062e-01,
         8.39843750e-02, -7.95898438e-02, -1.65039062e-01,  9.71679688e-02,
         2.80761719e-02,  7.27539062e-02,  1.86523438e-01, -2.15820312e-01,
         1.83593750e-01, -5.66406250e-02, -1.16699219e-01, -3.41796875e-02,
         4.95910645e-04,  4.71191406e-02, -2.98828125e-01,  9.32617188e-02,
         3.46679688e-02,  1.68945312e-01, -1.54296875e-01, -2.17773438e-01,
        -6.00585938e-02, -2.05078125e-02, -3.49426270e-03,  1.63085938e-01,
        -2.57812500e-01,  7.32421875e-02, -2.29492188e-01, -4.05273438e-02,
         1.43554688e-01, -1.75781250e-01, -6.83593750e-02, -1.98242188e-0
1],
       dtype=float32),
 'everything': array([ 0.11230469, -0.03710938, -0.12890625,  0.0222168 , -
0.1640625 ,
         0.01342773,  0.21484375, -0.17089844, -0.13574219, -0.08789062,
        -0.01867676, -0.13183594, -0.10888672,  0.04467773, -0.4296875 ,
         0.14355469,  0.12060547,  0.19824219,  0.265625  , -0.14453125,
        -0.00683594,  0.05395508,  0.11767578, -0.08398438,  0.15625   ,
         0.17675781,  0.07421875, -0.05664062,  0.13183594, -0.12890625,
        -0.13964844,  0.11376953, -0.08154297,  0.04150391,  0.11376953,
         0.11962891,  0.11669922, -0.10351562, -0.03491211, -0.02783203,
         0.05126953, -0.07080078,  0.265625  , -0.04541016, -0.03881836,
         0.01196289, -0.11914062,  0.07080078, -0.06079102,  0.14941406,
         0.04833984,  0.21679688, -0.05224609, -0.15722656, -0.04467773,
         0.04882812, -0.15039062, -0.16796875, -0.05200195, -0.13085938,
         0.09667969,  0.18554688,  0.06591797,  0.04736328,  0.25390625,
         0.05004883, -0.02636719, -0.07177734, -0.12304688,  0.18554688,
         0.06079102, -0.05395508,  0.16992188, -0.09960938, -0.3203125 ,
        -0.0625    ,  0.08886719, -0.15625   ,  0.05786133,  0.07373047,
         0.12451172, -0.06542969,  0.25585938, -0.14550781, -0.1640625 ,
        -0.17578125, -0.05761719,  0.359375  ,  0.01287842, -0.03271484,
         0.08886719,  0.21484375, -0.17089844,  0.01843262, -0.13574219,
        -0.04858398, -0.01623535, -0.02990723, -0.02380371, -0.03735352,
        -0.30078125,  0.17675781, -0.02246094,  0.0559082 , -0.21679688,
         0.13671875, -0.21289062,  0.0546875 ,  0.05541992, -0.10400391,
        -0.00915527, -0.07177734,  0.09570312, -0.0378418 ,  0.17871094,
         0.16503906,  0.08837891, -0.00994873, -0.12207031,  0.11035156,
        -0.31640625,  0.14941406,  0.27539062,  0.08837891,  0.02526855,
        -0.02197266, -0.18261719, -0.12158203,  0.18554688, -0.03735352,
        -0.19824219, -0.13183594, -0.04394531, -0.09765625, -0.13671875,
        -0.11767578,  0.07177734,  0.05322266,  0.0378418 ,  0.08203125,
         0.09130859, -0.16894531,  0.08349609,  0.0559082 ,  0.06347656,
        -0.02722168,  0.12792969,  0.05273438, -0.06640625, -0.04223633,
         0.0625    ,  0.23828125, -0.19628906,  0.078125  , -0.07617188,
         0.13183594, -0.22167969, -0.15917969, -0.07763672,  0.05395508,
        -0.06689453,  0.18066406,  0.15722656,  0.08496094,  0.05810547,
        -0.12695312, -0.10791016, -0.10302734,  0.06689453, -0.03393555,
        -0.19238281,  0.11914062,  0.09814453,  0.07470703, -0.08007812,
        -0.05224609,  0.21289062, -0.20800781,  0.05175781,  0.05859375,
        -0.24414062, -0.16894531,  0.15722656, -0.08007812,  0.10449219,
        -0.0378418 , -0.12304688, -0.03662109,  0.01184082,  0.05444336,
         0.09716797,  0.18847656,  0.18261719,  0.16113281,  0.01708984,
        -0.24511719, -0.04882812,  0.06298828, -0.26757812, -0.17675781,
         0.0168457 ,  0.16113281,  0.00637817,  0.0559082 ,  0.13085938,
         0.07666016, -0.06591797, -0.27929688,  0.09179688,  0.04907227,
        -0.1484375 ,  0.16308594, -0.10742188, -0.08789062,  0.0100708 ,
         0.125     ,  0.11523438,  0.06152344, -0.13671875, -0.15527344,
        -0.1640625 , -0.15136719, -0.12207031, -0.02185059, -0.08251953,
        -0.09179688, -0.09667969,  0.09814453, -0.15136719, -0.18359375,
         0.0324707 ,  0.04541016,  0.04101562, -0.13378906,  0.04443359,
        -0.07324219, -0.19824219, -0.02832031,  0.13574219, -0.05615234,
         0.0039978 ,  0.10742188, -0.02734375, -0.15625   , -0.09814453,
```

```
        -0.02404785, -0.03686523, -0.16601562, -0.11181641,  0.03979492,
        -0.0859375 ,  0.33203125, -0.00098419,  0.11230469,  0.3046875 ,
        -0.25390625, -0.15136719, -0.18847656,  0.15722656, -0.09619141,
         0.09228516, -0.12890625, -0.2734375 , -0.02526855, -0.13964844,
         0.09130859, -0.03930664, -0.07519531, -0.23535156,  0.07763672,
        -0.01464844,  0.08642578,  0.23144531,  0.06103516, -0.15625   ,
        -0.07714844,  0.00312805, -0.12402344,  0.03979492, -0.11816406,
         0.10693359,  0.046875  ,  0.109375  ,  0.31835938,  0.01696777,
         0.15234375, -0.07763672, -0.13867188, -0.06884766,  0.10205078,
        -0.15625   ,  0.08300781, -0.1484375 ,  0.02148438, -0.16015625,
        -0.00714111,  0.18457031, -0.05517578,  0.00190735, -0.17871094],
       dtype=float32),
 'accelerate': array([-1.36718750e-01,  2.12890625e-01,  9.71679688e-02,
5.56640625e-02,
        -2.83203125e-01,  2.67333984e-02, -2.34375000e-02, -1.14440918e-03,
         2.33398438e-01, -1.30859375e-01, -2.79296875e-01,  5.00488281e-02,
         2.33398438e-01,  2.69531250e-01, -7.22656250e-02, -1.52343750e-01,
        -8.59375000e-02, -1.08886719e-01,  3.36914062e-02,  1.83593750e-01,
         5.54199219e-02,  4.93164062e-02,  1.04003906e-01,  1.49414062e-01,
         6.88476562e-02, -1.36108398e-02,  8.49609375e-02,  5.32226562e-02,
         1.66992188e-01,  1.00585938e-01,  5.37109375e-02, -2.17773438e-01,
        -1.81640625e-01, -2.34375000e-01, -1.66992188e-01, -8.78906250e-02,
        -6.88476562e-02, -2.11914062e-01,  3.00781250e-01,  1.96289062e-01,
         1.01562500e-01,  1.56250000e-01,  3.20312500e-01,  7.81250000e-02,
        -1.54296875e-01, -1.33056641e-02, -1.68945312e-01, -1.63085938e-01,
         2.48046875e-01,  2.40234375e-01,  1.89453125e-01, -2.67333984e-02,
        -1.34765625e-01, -2.15820312e-01, -4.29687500e-02,  2.69531250e-01,
        -2.91015625e-01, -2.57812500e-01,  1.76757812e-01, -2.87109375e-01,
        -1.63085938e-01,  3.80859375e-02, -1.35742188e-01,  7.76367188e-02,
         7.03125000e-02,  2.46093750e-01, -3.85742188e-02,  2.81250000e-01,
        -7.61718750e-02,  2.12890625e-01, -2.40234375e-01, -5.02929688e-02,
         1.30859375e-01,  8.36181641e-03, -2.44140625e-01, -1.47460938e-01,
         1.74804688e-01,  1.76757812e-01, -8.30078125e-02,  1.61132812e-01,
         1.89453125e-01, -8.54492188e-03, -1.92382812e-01, -1.15356445e-02,
         3.59375000e-01,  1.25976562e-01,  1.01562500e-01,  1.49414062e-01,
        -1.67968750e-01,  1.35742188e-01,  2.73437500e-01, -2.07031250e-01,
        -7.81250000e-02, -2.18750000e-01,  1.34765625e-01, -3.55468750e-01,
        -7.56835938e-02, -1.06811523e-02, -1.04980469e-02,  2.11181641e-02,
        -1.28906250e-01, -1.04003906e-01,  8.30078125e-02,  4.19921875e-02,
        -5.44433594e-02, -1.67968750e-01, -2.03125000e-01, -1.83593750e-01,
         1.66992188e-01,  1.18652344e-01,  8.64257812e-02, -1.05957031e-01,
        -7.32421875e-02,  5.17578125e-02,  1.33789062e-01,  1.06445312e-01,
         4.76074219e-02, -1.22070312e-01,  1.09863281e-01, -1.53320312e-01,
         3.92578125e-01,  2.31933594e-02,  5.34667969e-02,  2.03125000e-01,
        -9.76562500e-02,  5.12695312e-02, -1.55273438e-01, -6.25000000e-02,
         2.61230469e-02,  3.47656250e-01,  1.37695312e-01,  2.38281250e-01,
         1.18652344e-01, -4.00543213e-04,  2.71484375e-01,  2.29492188e-02,
         1.52343750e-01,  1.64062500e-01,  1.47460938e-01,  1.03027344e-01,
        -1.28906250e-01, -1.54296875e-01, -3.12500000e-01,  4.78515625e-01,
         3.12500000e-02, -7.42187500e-02,  1.49414062e-01, -1.27929688e-01,
        -1.01928711e-02, -2.25585938e-01,  2.12890625e-01, -1.39770508e-02,
        -6.17675781e-02,  2.35351562e-01,  1.18652344e-01, -3.17382812e-02,
        -1.46484375e-02,  9.27734375e-02, -5.07812500e-01, -1.76757812e-01,
         1.90429688e-01, -2.33398438e-01, -1.60156250e-01, -1.83593750e-01,
         1.29882812e-01, -1.01074219e-01,  2.25830078e-02, -6.88476562e-02,
         1.53320312e-01, -1.51367188e-01,  1.42578125e-01, -8.83789062e-02,
        -1.68945312e-01, -4.61425781e-02,  3.30078125e-01,  6.73828125e-02,
         2.07031250e-01,  6.44531250e-02, -1.67236328e-02,  4.17480469e-02,
        -3.28125000e-01, -2.04101562e-01,  1.57226562e-01, -1.06445312e-01,
        -2.02148438e-01,  7.76367188e-02,  3.59375000e-01,  2.02148438e-01,
         7.42187500e-02, -1.15234375e-01,  2.24609375e-02, -7.56835938e-02,
        -4.76074219e-02, -1.46484375e-01,  2.90527344e-02,  1.44653320e-02,
         3.41796875e-02, -8.10546875e-02,  1.46484375e-01, -9.08203125e-02,
         1.66015625e-02,  8.44726562e-02, -8.78906250e-02,  3.17382812e-02,
```

```
        -1.39648438e-01, -1.13281250e-01,  7.86132812e-02,  7.71484375e-02,
         2.41699219e-02, -6.15234375e-02, -1.02050781e-01,  3.41796875e-02,
         1.03027344e-01,  2.85156250e-01,  2.40478516e-02, -6.49414062e-02,
         6.39648438e-02, -6.59179688e-02,  8.54492188e-02, -9.64355469e-03,
         1.58203125e-01, -1.56250000e-01, -1.78527832e-03,  2.34375000e-01,
         5.85937500e-03, -8.44726562e-02, -1.11083984e-02, -3.22265625e-01,
         2.08007812e-01, -2.67333984e-02,  5.12695312e-03,  2.01171875e-01,
         1.27929688e-01,  2.86865234e-02, -1.66015625e-01,  1.85546875e-02,
        -3.67187500e-01,  8.97216797e-03,  2.25585938e-01,  2.88085938e-02,
        -2.19726562e-01,  2.71484375e-01, -1.21093750e-01,  1.17187500e-02,
         3.73535156e-02, -3.33984375e-01, -1.13769531e-01,  2.71484375e-01,
         1.73828125e-01, -1.69921875e-01,  1.25976562e-01,  1.39770508e-02,
        -5.83496094e-02,  1.17187500e-01, -4.58984375e-02, -2.12402344e-02,
         2.20947266e-02, -3.11279297e-02, -4.00390625e-02, -3.37890625e-01,
         5.93261719e-02, -2.04101562e-01,  1.12304688e-02,  1.27929688e-01,
         2.40234375e-01, -6.15234375e-02, -6.49414062e-02, -1.44531250e-01,
        -2.33398438e-01, -1.37329102e-02,  2.09960938e-02,  2.39257812e-01,
        -1.84570312e-01, -1.47460938e-01, -1.36108398e-02, -1.37695312e-01,
        -1.32812500e-01,  3.58886719e-02,  1.25976562e-01, -2.53906250e-01,
         6.98242188e-02,  1.07910156e-01,  1.31835938e-01, -1.77001953e-02,
        -1.00097656e-01,  2.87109375e-01, -1.45874023e-02,  2.90527344e-02,
         6.83593750e-02, -8.30078125e-02,  1.35742188e-01,  1.99218750e-01,
        -1.82617188e-01,  1.63085938e-01, -1.16210938e-01, -7.66601562e-02,
        -7.22656250e-02,  1.32812500e-01,  3.56445312e-02, -1.22558594e-0
1],
       dtype=float32),
 'next': array([ 1.82617188e-01, -4.49218750e-02,  1.38671875e-01,  1.16577
148e-02,
         5.56640625e-02, -8.59375000e-02, -1.12792969e-01, -1.47460938e-01,
         1.41601562e-01,  1.43554688e-01, -4.29687500e-02,  5.24902344e-02,
         1.04980469e-01,  8.83789062e-02, -8.88671875e-02, -5.85937500e-02,
         3.66210938e-02,  5.29785156e-02,  8.59375000e-02,  4.32128906e-02,
        -1.42578125e-01,  1.37695312e-01,  2.77099609e-02,  8.15429688e-02,
         5.44433594e-02,  5.68847656e-02, -3.44238281e-02, -5.83496094e-02,
         3.56445312e-02,  2.10937500e-01, -9.76562500e-02,  4.29687500e-02,
        -1.46484375e-01,  7.42187500e-02, -4.78515625e-02,  5.24520874e-05,
        -1.99218750e-01, -1.10351562e-01,  3.49121094e-02, -6.29882812e-02,
         8.88671875e-02, -3.14453125e-01,  9.08203125e-02, -8.69140625e-02,
        -1.28906250e-01,  7.81250000e-03, -2.64892578e-02, -1.21093750e-01,
        -5.76171875e-02, -7.27539062e-02,  7.86132812e-02,  1.28906250e-01,
         2.12402344e-02,  1.35742188e-01, -9.81445312e-02, -1.37329102e-02,
        -1.16210938e-01, -5.27343750e-02,  2.42187500e-01,  9.81445312e-02,
        -1.58203125e-01, -7.08007812e-02, -2.84423828e-02, -6.83593750e-02,
         9.76562500e-04,  5.68847656e-02,  6.25000000e-02,  2.22656250e-01,
         6.83593750e-02,  1.08398438e-01, -1.37695312e-01,  2.47802734e-02,
         1.82617188e-01,  1.65039062e-01, -1.22558594e-01,  6.98242188e-02,
        -1.09252930e-02,  1.59179688e-01, -5.15136719e-02,  9.81445312e-02,
         1.06933594e-01, -2.05078125e-01, -1.03027344e-01,  4.68750000e-02,
         3.07617188e-02, -1.63574219e-02,  1.17187500e-01,  1.25000000e-01,
         2.01171875e-01,  2.21679688e-01,  1.15234375e-01, -1.74804688e-01,
        -1.39648438e-01, -2.98828125e-01, -1.00585938e-01, -3.20312500e-01,
         1.01074219e-01, -8.05664062e-02, -2.22656250e-01,  1.10473633e-02,
        -4.58984375e-02, -1.65039062e-01,  2.65625000e-01, -2.75390625e-01,
        -1.22070312e-01, -2.42187500e-01, -7.81250000e-02, -7.22656250e-02,
        -1.71875000e-01,  1.17187500e-01,  1.84570312e-01, -6.34765625e-02,
         6.59179688e-02, -9.86328125e-02,  6.88476562e-02,  4.05273438e-02,
        -3.39355469e-02,  3.73535156e-02,  2.00195312e-01,  2.84423828e-02,
         7.95898438e-02, -1.93359375e-01,  7.27539062e-02,  8.78906250e-02,
         1.80664062e-02, -1.47705078e-02, -1.43554688e-01,  1.54296875e-01,
        -1.41601562e-01,  1.42578125e-01,  2.41699219e-02,  5.85937500e-02,
        -1.75781250e-01, -3.17382812e-02, -1.32812500e-01, -8.00781250e-02,
         1.40625000e-01,  3.00292969e-02,  7.99560547e-03,  3.30078125e-01,
         7.95898438e-02, -1.15234375e-01,  1.51367188e-02,  3.80859375e-02,
         1.82617188e-01,  3.80859375e-02, -3.06396484e-02, -1.63085938e-01,
```

```
         1.67236328e-02, -2.15820312e-01, -1.74804688e-01,  1.12792969e-01,
        -6.39648438e-02, -3.41796875e-03,  8.39843750e-02,  1.24023438e-01,
         2.17285156e-02, -7.08007812e-02, -1.23046875e-01, -6.00585938e-02,
        -8.93554688e-02, -2.63671875e-02,  5.00488281e-02, -4.66308594e-02,
         1.24023438e-01, -1.11328125e-01,  2.25585938e-01,  7.37304688e-02,
        -1.17187500e-02, -5.37109375e-02, -3.51562500e-02, -1.33789062e-01,
        -2.68554688e-02,  1.52343750e-01,  5.76171875e-02, -3.97949219e-02,
         7.03125000e-02, -3.08227539e-03,  9.58251953e-03,  2.36328125e-01,
        -1.90429688e-01, -1.99218750e-01, -9.17968750e-02,  2.61718750e-01,
        -4.82177734e-03,  2.61230469e-02,  5.29785156e-02,  1.04980469e-01,
         4.66796875e-01,  4.24804688e-02,  2.06054688e-01,  9.13085938e-02,
         6.59179688e-02,  9.70458984e-03, -6.17675781e-02,  1.37329102e-03,
         1.81640625e-01,  7.42187500e-02, -1.25000000e-01, -6.73828125e-02,
         1.15356445e-02, -1.11083984e-02,  2.57568359e-02,  1.65039062e-01,
        -4.44335938e-02, -3.54003906e-02,  1.05957031e-01, -1.02539062e-01,
         1.81640625e-01,  3.34472656e-02,  2.68554688e-03,  2.23388672e-02,
         7.37304688e-02,  6.88476562e-02, -1.57470703e-02, -3.51562500e-02,
         4.46777344e-02, -1.09863281e-01, -1.37695312e-01,  8.30078125e-02,
        -1.06445312e-01, -1.72119141e-02, -9.17968750e-02,  3.39355469e-02,
         2.51953125e-01, -2.55859375e-01, -8.93554688e-02,  5.76171875e-02,
         9.33837891e-03, -2.97851562e-02, -1.75781250e-01, -1.09375000e-01,
         3.10058594e-02,  4.07714844e-02,  8.54492188e-02,  2.16064453e-02,
         1.73339844e-02,  1.36718750e-02, -4.85839844e-02,  7.66601562e-02,
        -1.07421875e-01,  6.34765625e-02,  1.56250000e-02, -2.00195312e-01,
        -1.90429688e-01, -1.05468750e-01,  2.60009766e-02, -1.12304688e-01,
         1.31835938e-01, -7.81250000e-03, -1.68945312e-01,  7.59887695e-03,
         2.34375000e-02,  6.10351562e-02, -4.54101562e-02,  1.30859375e-01,
         1.91406250e-01,  1.05468750e-01, -2.19726562e-01, -1.33789062e-01,
        -1.84631348e-03,  8.97216797e-03, -1.30859375e-01,  7.53784180e-03,
         1.24023438e-01,  8.44726562e-02, -4.61425781e-02,  8.93554688e-02,
        -4.71191406e-02, -1.35803223e-03,  1.92382812e-01,  1.35742188e-01,
         1.03027344e-01, -6.39648438e-02,  2.64892578e-02, -1.53320312e-01,
        -3.12805176e-03, -7.71484375e-02, -6.44531250e-02, -2.00195312e-02,
         1.44653320e-02, -5.78613281e-02, -1.96533203e-02,  2.98828125e-01,
         4.10156250e-02, -2.14576721e-04, -7.71484375e-02, -2.31445312e-01,
         1.06933594e-01,  1.96289062e-01, -9.22851562e-02,  6.68945312e-02,
        -2.34375000e-02, -2.46582031e-02,  1.12792969e-01, -2.03857422e-02,
        -6.78710938e-02, -1.36718750e-01,  1.62353516e-02, -1.66015625e-0
1],
       dtype=float32),
 'want': array([ 1.36718750e-01,  1.48437500e-01,  1.14746094e-01,  6.98242
188e-02,
        -1.66992188e-01, -6.28662109e-03,  3.51562500e-01, -7.91015625e-02,
        -8.44726562e-02,  2.19726562e-02, -9.47265625e-02, -9.47265625e-02,
        -1.95312500e-03, -4.12597656e-02, -1.39648438e-01,  1.77734375e-01,
         6.34765625e-02,  2.27539062e-01,  8.20312500e-02, -8.83789062e-02,
        -1.88476562e-01, -3.36914062e-02,  9.57031250e-02,  8.78906250e-02,
         1.09863281e-01,  9.71679688e-02,  7.96318054e-05,  7.56835938e-02,
         7.32421875e-03, -1.23535156e-01,  1.03027344e-01,  1.65039062e-01,
        -3.83300781e-02, -2.24609375e-01,  8.98437500e-02,  6.93359375e-02,
         1.96289062e-01,  7.76367188e-02, -3.97949219e-02,  9.96093750e-02,
         4.17480469e-02, -1.53320312e-01,  1.66015625e-01,  1.56250000e-02,
        -1.99218750e-01, -1.76757812e-01,  8.39843750e-02,  2.46582031e-02,
        -8.00781250e-02, -1.26953125e-01, -2.02148438e-01,  8.44726562e-02,
         2.11181641e-02,  1.53320312e-01,  1.09863281e-01,  8.39843750e-02,
        -4.34570312e-02,  4.12597656e-02,  1.86523438e-01, -5.00488281e-02,
         7.17773438e-02,  1.02539062e-01, -2.55859375e-01,  4.46777344e-02,
        -8.54492188e-04, -5.39550781e-02, -1.40625000e-01,  2.73437500e-01,
         8.91113281e-03, -2.55126953e-02,  1.51367188e-01,  2.57812500e-01,
         1.23046875e-01, -3.75976562e-02, -3.43750000e-01, -2.45117188e-01,
         1.44531250e-01,  2.07031250e-01,  7.86132812e-02,  1.19140625e-01,
        -4.90722656e-02,  5.39550781e-02,  1.64062500e-01,  1.33789062e-01,
        -1.32812500e-01, -2.83203125e-02, -1.56250000e-01,  1.98242188e-01,
         1.10351562e-01,  2.24609375e-02,  7.76367188e-02,  2.72216797e-02,
```

```
        -2.61718750e-01, -2.26562500e-01, -6.29882812e-02, -2.25585938e-01,
         1.83593750e-01,  2.00195312e-01, -1.19140625e-01,  8.54492188e-02,
        -1.77734375e-01,  1.02539062e-01, -1.19628906e-01,  1.47460938e-01,
        -1.35742188e-01,  6.83593750e-02, -5.63964844e-02, -7.66601562e-02,
         1.19628906e-01,  4.66308594e-02, -3.63281250e-01, -7.32421875e-02,
        -1.38671875e-01, -2.47802734e-02,  7.61718750e-02, -5.68847656e-02,
        -7.26318359e-03, -2.24609375e-01, -3.73535156e-02,  5.85937500e-02,
         1.34277344e-03,  1.30859375e-01,  1.32446289e-02,  2.59765625e-01,
         3.66210938e-02, -2.31445312e-01, -1.95312500e-01, -2.31445312e-01,
        -1.38671875e-01, -1.76757812e-01, -6.39648438e-02, -8.30078125e-02,
        -8.49609375e-02,  1.04492188e-01,  9.27734375e-02, -2.45117188e-01,
        -7.09533691e-04,  8.74023438e-02,  1.33789062e-01,  2.08007812e-01,
        -2.75878906e-02, -2.02148438e-01,  7.12890625e-02, -1.41601562e-01,
         6.83593750e-02,  8.74023438e-02,  3.66210938e-02, -3.28125000e-01,
         1.05468750e-01, -1.43554688e-01,  4.78515625e-02,  1.54296875e-01,
        -5.37109375e-02, -1.19628906e-01,  4.22363281e-02,  6.68945312e-02,
        -5.34667969e-02,  4.76074219e-02, -1.13281250e-01,  8.30078125e-03,
         3.56445312e-02,  1.12304688e-01,  4.10156250e-02,  1.24511719e-01,
         2.10937500e-01, -1.41601562e-01,  2.20947266e-02, -1.02539062e-01,
         1.23535156e-01, -1.76757812e-01, -2.20703125e-01, -3.02734375e-02,
        -8.49609375e-02, -5.09643555e-03, -6.68945312e-02, -6.39648438e-02,
         2.02148438e-01,  7.95898438e-02, -1.02050781e-01,  1.85546875e-01,
        -1.70898438e-01, -9.17968750e-02,  1.28906250e-01,  4.80957031e-02,
        -3.68652344e-02, -2.12890625e-01, -8.15429688e-02, -3.66210938e-02,
         2.83203125e-01,  9.71679688e-02,  7.37304688e-02,  3.51562500e-02,
         1.87500000e-01,  4.56542969e-02,  2.39257812e-01, -9.03320312e-02,
         7.66601562e-02,  1.25976562e-01, -4.07714844e-02, -2.57812500e-01,
         1.16210938e-01,  1.97265625e-01, -4.83398438e-02, -9.32617188e-02,
        -9.86328125e-02,  1.01074219e-01, -1.37939453e-02,  7.53784180e-03,
         1.12304688e-01, -7.37304688e-02, -3.24707031e-02,  2.42187500e-01,
         2.09960938e-02,  9.22851562e-02, -1.90429688e-01,  3.97949219e-02,
         6.78710938e-02,  1.97753906e-02, -1.49414062e-01, -7.12890625e-02,
        -1.52343750e-01, -1.80664062e-01, -2.67578125e-01, -5.98144531e-02,
        -3.17382812e-02,  6.01196289e-03,  1.63085938e-01,  4.58984375e-02,
        -9.81445312e-02,  6.49414062e-02,  1.48315430e-02, -1.40625000e-01,
        -9.66796875e-02,  1.35742188e-01,  1.44531250e-01,  6.68945312e-02,
        -6.22558594e-02, -2.22167969e-02,  2.08007812e-01, -2.31933594e-02,
         3.36914062e-02,  8.54492188e-03,  5.51757812e-02, -1.78222656e-02,
        -8.34960938e-02,  1.00097656e-01,  1.10473633e-02,  2.31445312e-01,
        -1.87988281e-02, -8.30078125e-02, -7.22656250e-02,  8.74023438e-02,
         2.85156250e-01,  4.49218750e-02,  6.20117188e-02, -5.24902344e-02,
         2.23388672e-02, -8.66699219e-03, -9.42382812e-02, -3.12500000e-02,
        -2.61718750e-01,  1.23535156e-01, -1.40625000e-01,  1.90429688e-01,
        -2.09960938e-02,  1.55273438e-01, -2.45361328e-02,  4.71191406e-02,
        -1.23046875e-01,  8.49609375e-02,  2.01171875e-01,  2.98828125e-01,
         3.57421875e-01,  2.19726562e-01, -7.71484375e-02, -1.73828125e-01,
         6.68945312e-02, -1.06445312e-01, -2.01171875e-01, -1.92871094e-02,
        -9.71679688e-02, -1.36718750e-01, -3.80859375e-02,  2.51953125e-01,
        -1.30859375e-01,  4.37011719e-02,  5.76782227e-03,  4.63867188e-02,
         8.98437500e-02, -6.39648438e-02, -1.20117188e-01,  9.52148438e-02,
        -3.49121094e-02, -3.80859375e-02, -7.76367188e-02, -5.56640625e-02,
         1.10351562e-01, -1.82617188e-01,  4.44335938e-02, -4.17480469e-0
2],
       dtype=float32),
 'alongside': array([ 1.12304688e-01,  8.72802734e-03,  8.98437500e-02,  1.
74804688e-01,
         1.10473633e-02,  2.07519531e-02, -3.54003906e-02, -2.26562500e-01,
         1.11816406e-01,  9.57031250e-02,  2.96875000e-01,  8.49609375e-02,
         3.14941406e-02,  1.32812500e-01, -3.14453125e-01,  8.69140625e-02,
         2.39257812e-02, -7.03125000e-02, -1.53320312e-01, -3.72314453e-03,
        -5.29785156e-02,  4.56542969e-02, -2.51953125e-01,  9.52148438e-02,
        -2.92968750e-02, -1.39648438e-01, -8.39843750e-02,  2.03125000e-01,
        -6.83593750e-02,  1.22070312e-01, -3.78417969e-02,  1.62109375e-01,
         3.12500000e-02,  1.94335938e-01,  3.80859375e-02,  1.36718750e-02,
```

```
 1.28906250e-01,  2.75878906e-02, -2.01171875e-01, -7.42187500e-02,
 7.71484375e-02, -1.12792969e-01, -1.25885010e-03,  3.32031250e-02,
-1.38671875e-01,  6.89697266e-03, -1.36718750e-01,  1.01562500e-01,
 3.00781250e-01,  4.05273438e-02, -1.52343750e-01,  9.17968750e-02,
-5.63964844e-02, -1.68945312e-01, -1.63085938e-01,  5.85937500e-02,
-1.28906250e-01,  3.17382812e-02,  6.64062500e-02,  1.61132812e-02,
-2.55859375e-01,  2.19726562e-02, -1.80664062e-01, -2.20703125e-01,
-9.81445312e-02,  2.59765625e-01, -8.20312500e-02,  2.77099609e-02,
-1.51367188e-01,  2.41210938e-01, -4.27246094e-02,  3.80859375e-02,
 2.21679688e-01,  1.69921875e-01, -9.03320312e-02, -1.06933594e-01,
 9.91210938e-02,  1.97265625e-01, -6.10351562e-03, -1.39236450e-04,
 1.27929688e-01,  9.76562500e-02,  8.74023438e-02, -1.74804688e-01,
 2.43164062e-01, -3.44238281e-02, -1.57928467e-03, -1.19628906e-01,
-3.54003906e-02,  1.39648438e-01,  3.85742188e-02, -3.15856934e-03,
 3.24707031e-02,  4.07714844e-02,  2.23388672e-02, -5.66406250e-02,
 6.73828125e-02, -2.85644531e-02, -1.57226562e-01, -2.15820312e-01,
 1.63574219e-02, -1.25976562e-01,  1.48437500e-01,  1.83593750e-01,
-1.81640625e-01, -1.36718750e-01, -1.25976562e-01,  8.44726562e-02,
-2.02636719e-02,  1.68945312e-01,  1.22680664e-02,  2.96875000e-01,
 9.03320312e-02,  1.06201172e-02,  9.76562500e-02, -2.45117188e-01,
-1.74804688e-01,  6.25000000e-02, -1.48437500e-01,  1.21582031e-01,
 4.85839844e-02, -2.32421875e-01,  8.93554688e-02,  6.88476562e-02,
 1.37939453e-02, -2.91015625e-01, -8.83789062e-02,  8.74023438e-02,
 1.26953125e-01,  6.78710938e-02,  1.76757812e-01,  1.01928711e-02,
 1.62353516e-02,  1.44531250e-01, -8.10546875e-02, -4.17480469e-02,
 7.37304688e-02,  2.42919922e-02, -1.45874023e-02,  4.05273438e-02,
 3.78417969e-02,  9.61914062e-02,  1.37695312e-01,  9.82666016e-03,
 9.13085938e-02,  6.05468750e-02,  9.32617188e-02, -1.27929688e-01,
-9.76562500e-02,  1.87500000e-01,  1.05468750e-01,  2.23632812e-01,
 1.36108398e-02,  1.77734375e-01,  2.04101562e-01,  2.02148438e-01,
-2.98828125e-01,  1.06445312e-01,  3.54003906e-02, -1.98242188e-01,
 1.68945312e-01,  2.81982422e-02,  7.47070312e-02,  7.56835938e-02,
 2.71484375e-01, -8.83789062e-02,  1.33789062e-01, -5.83496094e-02,
-3.12500000e-01, -6.25000000e-02, -1.62109375e-01,  2.05078125e-01,
 1.68945312e-01, -1.22070312e-01, -8.44726562e-02,  3.63769531e-02,
-4.51660156e-03, -2.73437500e-01, -4.21142578e-03,  1.49414062e-01,
 2.46582031e-02, -1.66015625e-01, -3.58886719e-02,  6.54296875e-02,
-1.68945312e-01, -6.34765625e-02,  1.78222656e-02,  1.26953125e-01,
-3.19824219e-02, -7.03125000e-02, -6.59179688e-02,  3.22265625e-02,
 1.57470703e-02, -3.10546875e-01,  8.78906250e-02,  9.71679688e-02,
 5.61523438e-02,  5.39550781e-02, -8.74023438e-02, -1.92382812e-01,
 1.17675781e-01, -1.42211914e-02,  8.34960938e-02, -9.17968750e-02,
-4.90722656e-02, -4.29687500e-02, -7.76367188e-02,  2.48046875e-01,
-5.39550781e-02, -1.50756836e-02, -1.20605469e-01, -2.00195312e-01,
-9.86328125e-02,  5.39550781e-02,  9.57031250e-02, -1.33789062e-01,
 1.63574219e-02, -1.23046875e-01, -1.40625000e-01, -2.34375000e-02,
-3.46679688e-02, -4.19921875e-02, -5.66406250e-02, -9.88769531e-03,
-2.35595703e-02, -1.68457031e-02, -1.38671875e-01,  7.37304688e-02,
 2.24609375e-01, -2.02148438e-01,  6.49414062e-02, -2.00195312e-01,
 1.96289062e-01,  5.59082031e-02,  1.47460938e-01, -5.39550781e-02,
 1.00585938e-01,  5.46875000e-02,  2.37304688e-01,  1.18164062e-01,
-4.35546875e-01, -7.51953125e-02, -7.86132812e-02,  3.78417969e-02,
 3.83300781e-02, -5.39550781e-02,  1.43554688e-01, -8.20312500e-02,
-2.24609375e-01,  2.66113281e-02,  1.57226562e-01, -2.99072266e-02,
-5.06591797e-03, -6.54296875e-02, -1.31225586e-02,  1.10839844e-01,
-2.28271484e-02, -2.71606445e-03, -1.76757812e-01,  4.78515625e-02,
-5.85937500e-02,  1.03027344e-01,  2.18750000e-01,  1.77734375e-01,
 1.87500000e-01,  1.27929688e-01, -3.78417969e-02,  1.73828125e-01,
-1.07910156e-01,  1.92871094e-02,  1.12915039e-03, -1.56250000e-01,
 9.08203125e-02, -4.63867188e-02,  2.19726562e-01,  3.17382812e-02,
-3.93066406e-02, -1.45507812e-01, -1.25976562e-01, -6.39648438e-02,
 1.86523438e-01,  5.22460938e-02, -2.25585938e-01,  1.03027344e-01,
 1.45874023e-02, -1.87683105e-03, -3.28125000e-01, -6.25000000e-02,
 2.67578125e-01,  1.22070312e-01,  6.44531250e-02, -3.90625000e-02,
```

```
        -6.64062500e-02,  8.83789062e-02, -1.87500000e-01, -2.35595703e-02,
        -1.01074219e-01,  8.20312500e-02, -1.22070312e-01,  7.71484375e-0
2],
       dtype=float32),
 "'ve": array([-1.56250000e-01,  3.14941406e-02, -1.27929688e-01,  2.500000
00e-01,
         8.69140625e-02, -1.18164062e-01, -1.45507812e-01, -1.22070312e-01,
        -9.86328125e-02,  3.32031250e-01, -2.78320312e-02, -2.75390625e-01,
         5.90820312e-02, -4.85839844e-02,  1.92871094e-02, -7.56835938e-02,
         2.40234375e-01,  2.43164062e-01,  6.53076172e-03, -9.32617188e-02,
        -7.37304688e-02,  1.42578125e-01,  2.63671875e-01, -3.69140625e-01,
         2.09960938e-01,  1.11816406e-01,  7.99560547e-03,  3.71093750e-02,
         8.98437500e-02, -5.34667969e-02, -4.61425781e-02,  3.55468750e-01,
        -3.27148438e-02,  3.32031250e-02,  2.75390625e-01, -1.35498047e-02,
         1.44531250e-01, -3.26171875e-01,  2.84423828e-02,  1.15722656e-01,
         1.47460938e-01,  4.46777344e-02, -1.94091797e-02,  5.05371094e-02,
        -9.66796875e-02,  1.75781250e-01,  5.24902344e-02, -2.02148438e-01,
         1.28906250e-01, -1.31835938e-01, -2.20947266e-02, -1.31835938e-02,
        -2.48046875e-01, -1.73339844e-02, -7.91015625e-02, -1.23291016e-02,
         1.17675781e-01, -1.86523438e-01,  1.86523438e-01, -1.45507812e-01,
        -1.56250000e-01,  3.22265625e-01, -1.18408203e-02, -6.22558594e-02,
         2.01171875e-01, -7.27539062e-02, -8.39843750e-02, -6.89697266e-03,
        -2.15820312e-01,  7.27539062e-02,  3.56445312e-02,  3.22265625e-02,
        -1.14746094e-01,  1.46484375e-01, -3.22265625e-01,  3.61328125e-02,
         1.35742188e-01,  1.59179688e-01, -1.00585938e-01,  2.55859375e-01,
         1.61132812e-02, -1.25976562e-01,  7.86132812e-02, -7.08007812e-02,
        -5.10253906e-02, -1.32812500e-01, -2.25585938e-01,  3.39843750e-01,
         8.54492188e-03,  3.10058594e-02, -8.74023438e-02,  2.25585938e-01,
        -1.87500000e-01, -7.91015625e-02, -2.07031250e-01, -2.12890625e-01,
        -9.66796875e-02,  1.67968750e-01, -2.47802734e-02, -1.78710938e-01,
         3.68652344e-02, -2.16796875e-01,  1.06933594e-01,  9.57031250e-02,
        -1.38671875e-01, -4.41894531e-02, -1.60156250e-01,  8.54492188e-02,
         1.85546875e-01, -2.25585938e-01, -2.15820312e-01, -4.22363281e-02,
         6.83593750e-02,  1.63085938e-01,  1.86767578e-02, -5.32226562e-02,
         2.22167969e-02, -1.27929688e-01,  2.08007812e-01, -1.39648438e-01,
        -7.37304688e-02, -5.29785156e-02, -1.47460938e-01,  3.06640625e-01,
         5.00488281e-02, -1.59179688e-01,  5.66406250e-02, -2.49023438e-02,
        -1.94549561e-03,  5.70678711e-03, -1.44531250e-01, -2.17773438e-01,
        -4.02343750e-01, -1.42578125e-01, -2.17285156e-02, -2.42187500e-01,
         1.02050781e-01,  1.91650391e-02,  2.86865234e-02,  2.24609375e-01,
         3.41796875e-02,  1.06933594e-01,  1.38671875e-01,  4.61425781e-02,
         6.07910156e-02,  4.71191406e-02, -1.64062500e-01, -2.61718750e-01,
        -1.66992188e-01, -8.59375000e-02,  2.52685547e-02,  5.73730469e-02,
        -3.49609375e-01,  9.17968750e-02, -8.78906250e-03, -2.61230469e-02,
        -5.34667969e-02, -1.15722656e-01, -1.21582031e-01,  2.14843750e-01,
         4.83398438e-02,  9.81445312e-02, -5.10253906e-02,  3.39843750e-01,
         5.85937500e-02, -2.07031250e-01, -2.34375000e-01, -4.27734375e-01,
         4.27246094e-02, -7.76367188e-02, -1.66015625e-01,  1.55273438e-01,
        -1.46484375e-01, -3.68652344e-02,  7.29370117e-03, -1.41601562e-01,
        -1.49414062e-01, -8.25195312e-02,  1.13769531e-01, -4.71191406e-02,
         4.27246094e-02, -1.17187500e-01,  2.79296875e-01,  1.08886719e-01,
         9.17968750e-02, -1.91406250e-01, -2.83203125e-01,  3.88183594e-02,
         6.39648438e-02,  2.99072266e-02, -6.53076172e-03,  1.77734375e-01,
        -6.86645508e-04, -1.17675781e-01,  4.12597656e-02, -1.51367188e-01,
         1.14746094e-02,  3.61328125e-02, -5.66406250e-02, -1.79687500e-01,
         8.20312500e-02,  2.28515625e-01, -4.76074219e-03,  7.42187500e-02,
         2.61230469e-02, -8.00781250e-02, -9.71679688e-02, -2.39257812e-01,
         4.34570312e-02,  1.88476562e-01,  8.10546875e-02,  2.95410156e-02,
        -5.90820312e-02,  8.25195312e-02, -1.29882812e-01, -2.64892578e-02,
         1.03027344e-01, -2.55584717e-04, -3.66210938e-02,  2.13623047e-02,
        -2.61718750e-01,  1.31835938e-01, -1.33666992e-02, -4.19921875e-02,
         3.41796875e-02, -9.27734375e-02,  7.47070312e-02,  1.20117188e-01,
        -9.91210938e-02, -2.46093750e-01, -9.22851562e-02, -2.59765625e-01,
         3.24707031e-02, -1.04980469e-02,  5.71289062e-02,  3.63769531e-02,
```

```
        -1.91406250e-01, -1.12304688e-01,  2.20703125e-01, -7.56835938e-02,
         2.99072266e-02,  2.37304688e-01,  1.91406250e-01, -1.18652344e-01,
         7.37304688e-02,  9.61914062e-02, -1.06811523e-02,  1.70898438e-01,
        -2.07031250e-01,  1.91650391e-02, -2.07519531e-03,  7.22656250e-02,
         2.28881836e-03,  1.13281250e-01, -2.81982422e-02, -2.62451172e-02,
        -3.49121094e-02, -9.81445312e-02, -4.80957031e-02, -3.63281250e-01,
        -2.45361328e-02,  3.75976562e-02,  9.91210938e-02,  6.29882812e-02,
        -1.26342773e-02,  2.96875000e-01,  5.88378906e-02,  5.24902344e-03,
         2.36511230e-03,  4.39453125e-02,  4.90722656e-02,  4.02343750e-01,
         2.02148438e-01,  3.41796875e-01, -2.13867188e-01,  6.77490234e-03,
        -1.27929688e-01, -2.61718750e-01, -1.06933594e-01, -4.16015625e-01,
        -1.02539062e-02, -4.57763672e-03,  1.32812500e-01,  1.92382812e-01,
         4.65393066e-04,  7.50732422e-03, -5.12695312e-02, -1.38671875e-01,
        -2.13623047e-02,  2.38281250e-01, -2.69531250e-01,  1.47460938e-01,
        -1.87500000e-01,  1.02539062e-01, -9.22851562e-02, -1.37695312e-01,
        -1.13769531e-01, -1.51367188e-01, -1.27929688e-01, -4.27246094e-0
2],
       dtype=float32),
 'ever': array([-0.22558594, -0.0324707 ,  0.0402832 ,  0.12695312, -0.0717
7734,
         0.02624512, -0.01782227,  0.02490234,  0.21484375,  0.12792969,
        -0.01696777, -0.34570312,  0.05712891, -0.08935547,  0.07275391,
         0.13574219,  0.16699219, -0.04248047,  0.23242188, -0.00233459,
        -0.00546265,  0.09326172,  0.20019531, -0.25585938, -0.07128906,
        -0.04345703, -0.10644531,  0.10644531,  0.05639648,  0.09179688,
         0.03112793,  0.31640625, -0.15429688,  0.06298828,  0.21875   ,
         0.17773438,  0.09960938, -0.24121094,  0.29101562,  0.09667969,
        -0.078125  , -0.08251953, -0.05249023,  0.0703125 ,  0.12695312,
         0.20410156,  0.01361084,  0.19042969, -0.00518799,  0.04614258,
         0.03295898, -0.0324707 , -0.10888672,  0.07226562,  0.03271484,
         0.06298828,  0.07226562, -0.21289062,  0.03344727,  0.00646973,
        -0.09863281, -0.03369141, -0.04394531, -0.08496094, -0.01159668,
         0.08349609, -0.03979492, -0.03808594, -0.21679688,  0.16015625,
         0.05126953, -0.08447266, -0.08007812,  0.05126953, -0.12988281,
        -0.08007812,  0.14550781,  0.15234375,  0.08984375,  0.00683594,
         0.03613281, -0.11230469,  0.20019531, -0.12988281, -0.20996094,
        -0.13085938, -0.30078125,  0.07714844,  0.1171875 ,  0.04345703,
         0.04418945,  0.06884766, -0.21582031, -0.08447266, -0.13183594,
        -0.203125  ,  0.10498047,  0.11962891,  0.05053711, -0.07519531,
        -0.05029297,  0.05688477, -0.05541992,  0.10498047, -0.24511719,
        -0.11181641,  0.03442383,  0.01397705, -0.20703125, -0.22753906,
         0.08007812, -0.15136719,  0.00106049,  0.26757812,  0.06542969,
        -0.01263428,  0.08642578, -0.17089844,  0.01043701, -0.03759766,
        -0.08935547,  0.06738281,  0.05810547,  0.09228516, -0.07324219,
        -0.07275391,  0.13867188,  0.02099609,  0.02429199, -0.03198242,
        -0.14550781, -0.109375  , -0.17382812, -0.03540039,  0.09228516,
        -0.16992188, -0.0234375 , -0.00640869, -0.06225586,  0.12792969,
        -0.02355957, -0.20117188, -0.04101562,  0.0112915 ,  0.13671875,
         0.04638672,  0.012146  , -0.07128906, -0.03295898, -0.05444336,
        -0.13574219, -0.05908203, -0.24707031, -0.07080078, -0.09472656,
        -0.12695312, -0.11474609,  0.00543213,  0.02404785, -0.08496094,
         0.05224609, -0.04101562, -0.03344727,  0.04614258, -0.05664062,
         0.09570312, -0.03320312, -0.20507812, -0.21386719,  0.12890625,
         0.01708984, -0.00085831, -0.08984375, -0.31445312, -0.1015625 ,
        -0.11962891,  0.05639648, -0.07568359,  0.01226807, -0.12255859,
         0.08789062, -0.04174805,  0.02648926, -0.14550781, -0.14355469,
        -0.05004883, -0.10986328, -0.11816406,  0.0177002 ,  0.09912109,
         0.18554688,  0.11376953,  0.125     ,  0.0534668 , -0.01190186,
         0.02355957, -0.05126953,  0.13964844,  0.05249023, -0.33398438,
        -0.08789062,  0.16992188,  0.01940918,  0.03491211,  0.02819824,
        -0.03039551, -0.14746094, -0.12207031, -0.05834961, -0.01757812,
         0.10107422,  0.16308594, -0.09472656, -0.04492188, -0.33007812,
        -0.04150391,  0.05859375,  0.02160645, -0.10595703,  0.05419922,
        -0.18554688,  0.16796875,  0.0546875 ,  0.02380371, -0.08642578,
```

```
        -0.02453613,  0.00340271,  0.1328125 ,  0.05834961, -0.18164062,
         0.07324219,  0.09960938,  0.09667969,  0.07470703,  0.13769531,
         0.03222656, -0.13183594, -0.24707031,  0.13574219, -0.17871094,
         0.0546875 , -0.22558594,  0.04980469, -0.06933594,  0.10595703,
         0.02270508, -0.00622559, -0.06054688,  0.01928711,  0.01080322,
         0.11279297, -0.25      ,  0.04272461,  0.18652344, -0.06982422,
         0.04638672, -0.11669922, -0.10498047, -0.01135254, -0.25976562,
        -0.0255127 ,  0.01428223,  0.1015625 ,  0.13574219, -0.00448608,
         0.16796875, -0.06982422,  0.10058594, -0.03686523, -0.00872803,
        -0.10205078,  0.12109375,  0.22753906,  0.30273438, -0.07421875,
        -0.06347656, -0.25585938, -0.13574219,  0.02099609, -0.17382812,
         0.02978516,  0.09179688,  0.04003906,  0.10302734,  0.00253296,
         0.00247192, -0.13671875, -0.25390625,  0.22753906,  0.25976562,
        -0.24511719, -0.01831055, -0.13476562,  0.25195312, -0.03125   ,
        -0.11279297, -0.25      , -0.06738281, -0.09912109, -0.1640625 ],
       dtype=float32),
 'worked': array([-2.50244141e-02,  1.75781250e-01, -1.13769531e-01,  6.982
42188e-02,
         1.66015625e-02, -1.66015625e-02, -2.84423828e-02, -5.73730469e-02,
        -1.90429688e-01, -2.00195312e-01,  2.61230469e-02,  5.02929688e-02,
        -2.47070312e-01, -1.28906250e-01, -4.85839844e-02,  1.07910156e-01,
         2.59765625e-01,  2.63671875e-01,  1.76757812e-01, -7.04956055e-03,
        -2.12890625e-01,  2.67578125e-01, -9.82666016e-03,  1.63574219e-02,
         2.23632812e-01, -4.61425781e-02, -1.38671875e-01, -8.93554688e-02,
        -3.12500000e-01, -6.05468750e-02,  1.49414062e-01, -6.25000000e-02,
         1.67968750e-01, -1.15234375e-01,  3.08593750e-01,  1.76757812e-01,
         2.02148438e-01, -2.14843750e-01,  5.81054688e-02, -7.42187500e-02,
         1.02539062e-01, -7.12890625e-02, -1.60156250e-01, -3.33984375e-01,
        -4.80957031e-02,  1.66015625e-01, -3.04687500e-01, -1.04492188e-01,
         2.14843750e-02,  1.81884766e-02,  2.11181641e-02, -2.25585938e-01,
         1.59179688e-01, -7.56835938e-02, -5.98144531e-02, -2.06054688e-01,
         1.69921875e-01, -1.47460938e-01,  1.17675781e-01,  2.14843750e-02,
         3.90625000e-03,  2.94921875e-01, -3.51562500e-01, -3.41796875e-02,
        -1.39160156e-02,  1.33056641e-02,  2.23388672e-02, -3.90625000e-02,
        -2.91748047e-02, -7.08007812e-02, -2.49023438e-02,  7.81250000e-03,
         7.32421875e-02,  1.62109375e-01, -4.27734375e-01, -1.55273438e-01,
         4.51660156e-02,  1.72851562e-01, -4.88281250e-02,  7.51953125e-02,
        -1.67236328e-02,  3.37219238e-03,  5.15747070e-03, -1.14135742e-02,
         7.72094727e-03,  2.75878906e-02,  8.59375000e-02, -7.71484375e-02,
        -1.38671875e-01,  6.29882812e-02,  1.02539062e-01, -7.08007812e-02,
         4.69970703e-03,  1.03515625e-01,  6.39648438e-02, -9.47265625e-02,
        -1.63085938e-01, -1.04492188e-01, -4.56542969e-02,  6.88476562e-02,
        -7.22656250e-02,  5.63964844e-02, -1.67968750e-01,  1.26953125e-01,
         1.83593750e-01, -1.66015625e-01,  2.72216797e-02,  1.35742188e-01,
         1.74560547e-02, -1.47460938e-01, -1.34765625e-01, -6.68945312e-02,
        -5.22460938e-02, -2.55859375e-01,  9.39941406e-03,  1.24023438e-01,
        -8.78906250e-02, -8.69140625e-02,  2.61718750e-01, -1.44653320e-02,
        -9.52148438e-02,  1.12304688e-01, -8.78906250e-02,  2.31445312e-01,
        -8.64257812e-02,  1.70898438e-01,  1.51367188e-01, -2.29492188e-01,
        -1.11694336e-02, -2.38037109e-03, -1.12304688e-01, -1.37695312e-01,
        -5.27343750e-02, -6.03027344e-02,  2.94189453e-02,  5.59082031e-02,
        -8.98437500e-02,  4.95605469e-02, -1.39648438e-01,  1.83105469e-02,
        -7.12890625e-02,  1.49414062e-01, -8.00781250e-02, -8.83789062e-02,
        -4.32128906e-02,  4.33593750e-01, -1.83593750e-01,  1.32812500e-01,
         1.11328125e-01,  6.44531250e-02,  3.11279297e-02,  1.38671875e-01,
         1.10839844e-01,  3.71093750e-01, -2.51464844e-02,  2.35351562e-01,
        -1.70898438e-01, -1.10839844e-01, -4.02832031e-02, -3.66210938e-02,
         1.27929688e-01,  3.54003906e-02, -5.68847656e-02,  1.15234375e-01,
         1.48437500e-01, -2.14843750e-01, -2.77343750e-01, -1.75781250e-01,
         2.33398438e-01, -3.19824219e-02, -4.32128906e-02,  9.57031250e-02,
         1.54418945e-02, -5.29785156e-02,  1.07421875e-01,  1.01074219e-01,
         2.48046875e-01, -1.01074219e-01,  1.63085938e-01,  9.42382812e-02,
        -1.10351562e-01, -1.36108398e-02,  1.09252930e-02,  5.37109375e-02,
         7.12890625e-02, -2.85156250e-01, -8.20312500e-02, -1.70898438e-01,
```

```
         6.10351562e-02,  9.08203125e-02,  1.06811523e-02,  1.76757812e-01,
         4.00390625e-01, -1.22558594e-01, -1.39648438e-01,  3.39843750e-01,
         3.73046875e-01,  2.59399414e-03,  5.56640625e-02, -4.05273438e-02,
         2.63671875e-02,  3.84765625e-01,  1.50390625e-01,  3.34472656e-02,
        -1.85546875e-01, -1.94335938e-01, -2.08984375e-01, -7.81250000e-02,
         1.63085938e-01,  3.90625000e-02,  1.81640625e-01, -1.41601562e-01,
         6.88476562e-02,  5.81054688e-02,  3.37890625e-01, -9.22851562e-02,
         5.67626953e-03, -3.49121094e-02, -2.28271484e-02, -3.00781250e-01,
         3.97949219e-02, -7.27539062e-02,  5.24902344e-02, -6.22558594e-03,
         2.49023438e-01, -8.20312500e-02, -5.12695312e-03,  1.42578125e-01,
        -3.00781250e-01, -1.20605469e-01,  2.28271484e-02, -1.97265625e-01,
         1.96289062e-01, -1.37695312e-01, -1.25976562e-01, -1.55273438e-01,
        -1.48437500e-01, -2.32421875e-01,  9.47265625e-02, -1.09863281e-01,
         3.46679688e-02, -2.02178955e-04, -1.60156250e-01, -1.70898438e-01,
        -2.77099609e-02,  3.61328125e-02, -1.25732422e-02,  9.17968750e-02,
         2.01171875e-01, -1.68945312e-01, -2.91015625e-01,  2.55859375e-01,
        -1.20605469e-01, -3.46679688e-02,  1.13281250e-01,  1.02539062e-01,
        -1.61132812e-01, -1.12304688e-01, -1.92382812e-01, -1.25976562e-01,
        -1.77734375e-01,  1.63085938e-01,  1.24023438e-01,  4.95605469e-02,
         1.14257812e-01,  1.99218750e-01,  8.44726562e-02, -7.32421875e-02,
        -4.78515625e-02,  2.71484375e-01,  2.11914062e-01, -9.22851562e-02,
        -1.89453125e-01,  1.81884766e-02,  2.83203125e-01, -9.86328125e-02,
        -1.36718750e-01, -8.34960938e-02, -1.20117188e-01, -1.51367188e-01,
        -2.49023438e-01,  2.08984375e-01, -1.47094727e-02,  3.71093750e-01,
         1.63574219e-02, -1.30859375e-01, -2.11914062e-01,  1.10351562e-01,
        -3.46679688e-02,  8.54492188e-02, -2.73437500e-01,  9.71679688e-02,
        -2.05078125e-01,  1.73828125e-01, -3.02734375e-01,  8.64257812e-02,
         1.29882812e-01, -7.81250000e-02,  1.84570312e-01,  1.89208984e-0
2],
       dtype=float32),
 'hope': array([ 0.01611328,  0.14550781,  0.22265625,  0.10546875, -0.0150
1465,
        -0.04150391,  0.3359375 , -0.1484375 , -0.01409912, -0.03955078,
        -0.265625  ,  0.1015625 , -0.08740234,  0.06738281, -0.1875    ,
         0.13378906,  0.09667969,  0.45507812, -0.0324707 , -0.22265625,
        -0.10986328,  0.17675781,  0.11328125, -0.05517578,  0.19824219,
        -0.02648926, -0.03442383,  0.10595703,  0.09960938,  0.02905273,
        -0.03295898, -0.06396484, -0.20605469, -0.0559082 ,  0.08300781,
         0.10498047,  0.1328125 , -0.06738281,  0.01879883, -0.05126953,
         0.22070312, -0.20800781,  0.09277344,  0.01965332, -0.04980469,
        -0.20703125, -0.0067749 , -0.03710938, -0.10107422,  0.12304688,
         0.10986328,  0.06689453,  0.0279541 ,  0.11328125,  0.24316406,
        -0.05224609, -0.14648438, -0.22460938,  0.21484375, -0.10400391,
         0.02148438,  0.09082031, -0.14746094,  0.09814453, -0.02526855,
        -0.12304688,  0.01452637,  0.265625  ,  0.03039551,  0.07128906,
        -0.03833008,  0.10888672,  0.12988281,  0.09033203, -0.21289062,
        -0.15722656,  0.03271484,  0.14746094,  0.18359375,  0.03295898,
        -0.0189209 ,  0.00135803,  0.15136719, -0.18652344, -0.22460938,
        -0.05297852, -0.22363281, -0.01403809,  0.07763672,  0.02893066,
         0.20507812, -0.125     , -0.10742188, -0.31445312, -0.01721191,
        -0.03686523, -0.03442383,  0.13085938,  0.01708984,  0.10595703,
        -0.12451172, -0.09326172,  0.17675781, -0.10009766,  0.08740234,
        -0.08300781,  0.03881836, -0.07763672,  0.03930664,  0.15332031,
        -0.11474609,  0.14355469,  0.07177734,  0.15039062, -0.05517578,
        -0.01483154,  0.16992188, -0.0145874 , -0.13574219,  0.26171875,
         0.02807617, -0.01599121, -0.17382812,  0.11132812, -0.11181641,
        -0.19921875, -0.06591797, -0.12890625, -0.328125  , -0.00402832,
         0.07421875, -0.18359375, -0.03857422, -0.19238281,  0.15234375,
        -0.12255859, -0.03637695,  0.08447266,  0.01794434,  0.20605469,
         0.01855469, -0.21386719, -0.07714844,  0.03955078,  0.06933594,
        -0.01477051, -0.19726562, -0.03955078,  0.07324219, -0.484375  ,
        -0.06542969,  0.09033203, -0.07421875,  0.22851562,  0.01086426,
        -0.06298828,  0.09179688, -0.15234375, -0.4140625 ,  0.02758789,
        -0.0234375 ,  0.13085938,  0.06591797, -0.15136719,  0.24023438,
```

```
        -0.33789062, -0.10009766, -0.00915527, -0.12451172, -0.11083984,
         0.14746094,  0.12792969, -0.15722656, -0.13183594,  0.01470947,
         0.01074219,  0.06738281,  0.08740234,  0.03979492,  0.10107422,
        -0.24511719, -0.04443359,  0.03857422,  0.16113281, -0.3046875 ,
        -0.09375   , -0.10302734, -0.11621094,  0.26171875,  0.0390625 ,
        -0.11523438,  0.10449219,  0.25195312, -0.02685547, -0.00668335,
        -0.19335938,  0.12304688, -0.02233887, -0.22753906, -0.21191406,
         0.03417969, -0.03466797, -0.11523438, -0.16796875, -0.01318359,
        -0.1484375 , -0.09521484,  0.10839844,  0.09033203,  0.10742188,
        -0.18554688,  0.29882812, -0.09082031, -0.140625  , -0.11767578,
        -0.02575684, -0.13085938,  0.09179688,  0.11035156,  0.11230469,
         0.05175781, -0.22851562, -0.33984375,  0.06542969, -0.19335938,
        -0.16015625, -0.00747681,  0.00315857,  0.05126953, -0.11376953,
        -0.11474609,  0.02648926,  0.00457764,  0.05493164, -0.03930664,
         0.07861328, -0.18261719,  0.05004883,  0.18554688,  0.29492188,
         0.12792969, -0.08544922, -0.02783203,  0.05615234, -0.14355469,
         0.21386719,  0.25      ,  0.06835938,  0.0546875 ,  0.01190186,
        -0.0625    ,  0.265625  ,  0.203125  ,  0.19042969, -0.00848389,
         0.00066757,  0.28710938,  0.18261719, -0.02990723, -0.17382812,
        -0.24902344,  0.21679688, -0.03564453,  0.2421875 , -0.07861328,
        -0.02075195,  0.20019531, -0.10253906, -0.20019531,  0.00738525,
         0.41796875,  0.07666016,  0.11621094,  0.06933594,  0.02844238,
        -0.01806641, -0.00842285, -0.140625  ,  0.17285156,  0.03930664,
        -0.12402344, -0.12695312,  0.05444336,  0.17382812, -0.02807617,
        -0.06640625, -0.03320312,  0.07861328,  0.08349609, -0.03442383,
        -0.08154297,  0.00939941,  0.03198242, -0.21875   ,  0.0267334 ,
         0.04711914, -0.17480469, -0.08984375,  0.10986328, -0.0534668 ],
       dtype=float32),
 'consider': array([-6.34765625e-02,  9.08203125e-02,  1.95312500e-01,  9.3
2617188e-02,
        -1.27929688e-01,  8.20312500e-02,  2.23632812e-01,  7.66601562e-02,
         2.39257812e-02, -5.00488281e-02, -7.56835938e-02, -1.20117188e-01,
        -1.34765625e-01,  9.13085938e-02,  3.73535156e-02,  1.94335938e-01,
         4.66308594e-02,  1.50390625e-01,  6.59179688e-02, -1.61132812e-02,
         6.29882812e-02, -9.66796875e-02, -2.87109375e-01,  1.33056641e-02,
         2.75390625e-01, -8.74023438e-02, -3.39355469e-02,  1.26953125e-01,
        -9.47265625e-02,  1.56250000e-01,  3.32031250e-02, -9.33837891e-03,
        -2.50000000e-01,  1.37695312e-01, -1.00585938e-01, -4.05273438e-02,
         2.43164062e-01,  2.80761719e-02, -7.87353516e-03,  1.44531250e-01,
         1.74804688e-01,  5.66406250e-02,  1.73828125e-01, -1.05957031e-01,
        -1.35742188e-01,  5.29785156e-02,  9.52148438e-03, -2.13623047e-02,
        -7.76367188e-02,  1.04980469e-01,  1.25976562e-01,  1.30004883e-02,
        -1.14746094e-01, -1.46484375e-01, -2.01171875e-01,  2.94189453e-02,
         2.49023438e-02, -2.13623047e-02,  1.62109375e-01,  4.15039062e-02,
        -2.32421875e-01,  4.19921875e-02,  5.10253906e-02,  6.34765625e-02,
         1.67968750e-01, -1.31835938e-01, -1.42578125e-01,  2.51953125e-01,
        -1.76757812e-01,  1.87500000e-01, -1.90429688e-02, -5.98144531e-02,
         1.50390625e-01,  1.06445312e-01, -1.58203125e-01, -2.87109375e-01,
        -3.39355469e-02,  5.68847656e-02,  1.78710938e-01,  4.00390625e-01,
        -5.22460938e-02, -1.61132812e-01,  1.19140625e-01,  5.02929688e-02,
         7.76367188e-02,  4.51660156e-02, -1.40625000e-01,  3.24707031e-02,
         2.20703125e-01, -5.32226562e-02,  5.95703125e-02,  2.75878906e-02,
        -4.49218750e-02, -3.90625000e-02,  1.57226562e-01, -1.39648438e-01,
         3.93066406e-02,  1.42578125e-01,  3.75976562e-02, -3.71093750e-02,
        -2.52685547e-02,  3.78417969e-02, -7.32421875e-02,  2.06054688e-01,
         6.62231445e-03, -1.48437500e-01,  2.01171875e-01, -1.63085938e-01,
        -8.64257812e-02, -1.30859375e-01,  9.96093750e-02, -1.70898438e-02,
         1.01074219e-01,  1.56250000e-01,  6.29882812e-02, -1.42578125e-01,
         2.10937500e-01, -9.27734375e-03,  2.20703125e-01,  6.98242188e-02,
         1.86523438e-01,  1.45263672e-02, -2.96875000e-01,  2.26562500e-01,
        -8.93554688e-02,  1.15356445e-02,  1.80664062e-02, -9.66796875e-02,
         4.98046875e-02,  3.68652344e-02,  1.14746094e-01, -2.20703125e-01,
        -5.00488281e-02, -4.54101562e-02,  3.49609375e-01,  1.72851562e-01,
        -7.17773438e-02,  3.66210938e-02, -7.32421875e-02,  2.25585938e-01,
```

```
         1.78710938e-01,  4.69970703e-03, -8.88671875e-02, -7.75146484e-03,
         2.32421875e-01,  2.27050781e-02,  4.24804688e-02, -1.25000000e-01,
        -1.77001953e-02,  1.75781250e-01, -1.02050781e-01,  2.16064453e-02,
        -1.87500000e-01, -1.44531250e-01, -4.07714844e-02, -5.22460938e-02,
         1.15722656e-01, -1.96289062e-01, -1.55273438e-01, -5.56640625e-02,
         1.12792969e-01,  1.47094727e-02, -5.44433594e-02, -1.45507812e-01,
         9.37500000e-02,  1.55639648e-02,  1.22070312e-01,  1.60217285e-03,
         7.91015625e-02,  9.96093750e-02, -5.49316406e-03, -1.66992188e-01,
        -1.27563477e-02,  9.27734375e-02,  1.22558594e-01, -1.62109375e-01,
         2.85156250e-01,  9.91210938e-02, -2.49023438e-01,  1.46484375e-01,
        -1.29882812e-01, -3.17382812e-02, -1.57226562e-01,  4.29687500e-02,
        -1.93359375e-01, -1.62109375e-01, -2.37304688e-01,  3.34472656e-02,
         5.02929688e-02,  1.11816406e-01, -1.37695312e-01, -1.27563477e-02,
         1.43554688e-01, -2.79235840e-03, -1.23046875e-01, -3.22265625e-02,
         1.08398438e-01, -7.66601562e-02,  1.83593750e-01, -2.59765625e-01,
         5.34667969e-02,  4.98046875e-02, -1.39648438e-01, -8.88671875e-02,
        -2.63671875e-01,  4.10156250e-02, -1.47460938e-01,  2.28271484e-02,
         2.41699219e-02, -5.34667969e-02,  2.53906250e-01,  1.43554688e-01,
         7.08007812e-03, -4.41894531e-02, -3.76953125e-01,  3.41796875e-02,
        -2.09960938e-02, -1.50390625e-01,  3.44238281e-02,  1.79443359e-02,
         1.03027344e-01, -1.89453125e-01, -3.49609375e-01,  6.03027344e-02,
         1.72851562e-01, -1.13281250e-01, -3.39355469e-02,  1.31225586e-02,
        -1.57470703e-02,  2.49023438e-01, -1.33789062e-01, -8.25195312e-02,
        -8.05664062e-02,  6.39648438e-02,  6.50024414e-03,  2.84423828e-02,
         1.93359375e-01, -9.71679688e-02, -1.39648438e-01, -6.49414062e-02,
        -1.64062500e-01,  2.57568359e-02, -1.34765625e-01,  6.98242188e-02,
        -2.04101562e-01,  4.80957031e-02,  1.54418945e-02,  1.42578125e-01,
         6.98242188e-02, -2.48046875e-01, -2.00195312e-01,  2.43164062e-01,
         1.77001953e-02,  9.42382812e-02, -9.13085938e-02,  4.17480469e-02,
         8.00781250e-02,  3.02734375e-01,  8.15429688e-02,  5.17578125e-02,
         5.27343750e-02, -9.27734375e-03, -8.39843750e-02,  1.19686127e-04,
         1.70898438e-02,  2.53906250e-01, -1.34765625e-01,  8.83789062e-02,
        -2.92968750e-01, -2.45117188e-01,  1.61132812e-01,  2.67578125e-01,
         2.33398438e-01, -3.39355469e-02,  1.51367188e-01, -2.42187500e-01,
        -5.76171875e-02, -3.35937500e-01, -7.95898438e-02, -2.11181641e-02,
         1.79687500e-01,  1.10839844e-01, -1.16210938e-01, -1.51367188e-01,
        -5.24902344e-02,  1.04980469e-01, -2.18750000e-01,  1.37695312e-01,
         8.93554688e-02,  6.93359375e-02,  1.76757812e-01,  5.34667969e-02,
         1.84570312e-01,  1.21582031e-01, -1.00585938e-01, -1.13769531e-01,
         1.05957031e-01,  1.26953125e-01,  5.20019531e-02,  1.60156250e-0
1],
       dtype=float32),
 'allowing': array([-3.95507812e-02,  1.45507812e-01,  4.32128906e-02,  5.5
9082031e-02,
        -5.15136719e-02, -1.45507812e-01,  4.73632812e-02, -1.19628906e-01,
         1.14746094e-01, -5.24902344e-02,  1.14257812e-01, -2.32421875e-01,
         5.81054688e-02, -5.44433594e-02, -1.08642578e-02, -5.49316406e-02,
         1.66992188e-01,  5.66406250e-02, -1.40625000e-01, -1.08886719e-01,
         1.20117188e-01, -9.17968750e-02, -1.24511719e-01,  1.37695312e-01,
         8.48388672e-03, -2.30468750e-01, -1.05957031e-01,  3.02734375e-01,
        -1.58203125e-01,  2.49023438e-01,  1.17675781e-01, -3.73535156e-02,
         8.34960938e-02, -7.17773438e-02, -8.59375000e-02,  8.25195312e-02,
        -2.99072266e-02, -2.04101562e-01, -8.15429688e-02, -2.08740234e-02,
         5.20019531e-02, -1.30615234e-02,  2.49023438e-01,  1.11328125e-01,
        -6.83593750e-02, -1.28906250e-01,  1.23046875e-01,  1.99218750e-01,
         9.57031250e-02, -2.30468750e-01, -7.08007812e-02, -6.16455078e-03,
        -3.58886719e-02,  3.58886719e-02, -1.25000000e-01,  2.53906250e-01,
        -7.32421875e-02,  1.14135742e-02,  2.31445312e-01, -5.44433594e-02,
         1.45507812e-01,  7.86132812e-02, -1.06445312e-01, -3.45703125e-01,
        -1.40625000e-01,  1.21093750e-01, -1.18652344e-01,  1.74804688e-01,
         2.68936157e-04,  8.44726562e-02, -1.27929688e-01,  2.26562500e-01,
         1.49536133e-02, -1.67968750e-01,  3.97949219e-02, -3.43750000e-01,
         3.30078125e-01,  1.85546875e-01,  1.65039062e-01, -2.80380249e-04,
        -3.30078125e-01,  1.49414062e-01, -4.10156250e-02,  1.78710938e-01,
```

```
         1.33056641e-02, -5.24902344e-02, -1.93359375e-01, -7.44628906e-03,
        -1.95312500e-01,  6.34765625e-02, -5.76171875e-02,  1.17187500e-01,
        -8.69140625e-02, -1.22070312e-01, -1.06811523e-02,  8.34960938e-02,
        -1.54296875e-01,  2.85644531e-02,  3.58886719e-02,  1.49414062e-01,
         9.66796875e-02, -2.25585938e-01, -1.86767578e-02,  1.63574219e-02,
        -1.23291016e-02,  1.62109375e-01,  7.95898438e-02, -4.76074219e-02,
        -2.52685547e-02,  6.78710938e-02, -1.55273438e-01,  1.81884766e-02,
        -1.94335938e-01, -2.59765625e-01,  2.07031250e-01,  1.41601562e-01,
        -2.97851562e-02,  1.71875000e-01,  1.25976562e-01,  1.43554688e-01,
        -1.42578125e-01,  1.13281250e-01,  1.57226562e-01,  9.22851562e-02,
         6.78710938e-02, -3.26171875e-01, -1.92871094e-02, -9.32617188e-02,
         6.16455078e-03, -6.71386719e-03,  1.67968750e-01,  9.66796875e-02,
        -7.11059570e-03,  6.98242188e-02,  9.47265625e-02, -1.29882812e-01,
         2.63671875e-02, -1.20605469e-01,  4.61425781e-02, -7.42187500e-02,
         4.58984375e-02, -4.10156250e-02, -1.01074219e-01, -5.49316406e-02,
         1.60156250e-01,  3.69262695e-03, -2.94189453e-02, -1.44531250e-01,
         3.23486328e-03,  4.49218750e-02,  8.88671875e-02, -9.61914062e-02,
        -9.13085938e-02, -7.81250000e-02,  6.15234375e-02,  1.30859375e-01,
         1.20605469e-01,  1.15234375e-01, -2.98828125e-01, -4.54101562e-02,
         1.06445312e-01, -1.19140625e-01,  2.12890625e-01, -1.08398438e-01,
        -1.69921875e-01, -2.47192383e-03, -2.40478516e-02,  1.77734375e-01,
        -1.18652344e-01, -3.06640625e-01, -2.83203125e-01,  1.08886719e-01,
         2.29492188e-02,  8.20312500e-02,  3.22265625e-02, -3.14941406e-02,
         7.86132812e-02, -1.94335938e-01, -2.79296875e-01,  1.31835938e-01,
        -1.36718750e-01, -1.08398438e-01,  2.08984375e-01, -2.24609375e-02,
         1.01074219e-01, -4.07714844e-02, -1.55273438e-01, -8.34960938e-02,
         2.53906250e-01, -1.21582031e-01,  5.76171875e-02,  1.57470703e-02,
         1.70898438e-01, -8.20312500e-02, -1.57226562e-01, -5.76782227e-03,
         6.62231445e-03, -2.45361328e-02, -1.25122070e-02, -1.70898438e-01,
         1.33789062e-01,  2.45361328e-02,  2.79296875e-01, -4.41894531e-02,
         1.79687500e-01, -5.41992188e-02,  2.22167969e-02,  1.09375000e-01,
        -2.22778320e-03, -2.18750000e-01, -3.78417969e-03,  1.19628906e-01,
         8.39843750e-02,  3.30078125e-01,  1.37695312e-01, -6.44531250e-02,
         6.86645508e-03,  1.50390625e-01, -6.88476562e-02,  1.01318359e-02,
         1.71875000e-01,  1.22680664e-02,  5.79833984e-03, -2.46582031e-02,
        -2.83203125e-01, -2.44140625e-02,  6.73828125e-02,  3.27148438e-02,
         1.59179688e-01,  8.20312500e-02,  1.39648438e-01, -1.83593750e-01,
         5.15136719e-02,  1.54296875e-01,  1.66015625e-01,  7.61718750e-02,
         1.15722656e-01, -3.58886719e-02,  4.80651855e-04,  8.25195312e-02,
        -1.88476562e-01,  7.56835938e-02,  1.25000000e-01, -3.88671875e-01,
        -6.83593750e-03,  5.56640625e-02, -3.49121094e-02,  2.89062500e-01,
         1.24023438e-01, -3.56445312e-02,  9.47265625e-02, -4.83398438e-02,
         1.06445312e-01,  4.00390625e-02, -1.23291016e-02, -1.35498047e-02,
         1.86523438e-01,  1.15234375e-01, -8.69140625e-02,  2.06298828e-02,
        -1.66992188e-01,  1.20117188e-01,  1.73950195e-03,  5.93261719e-02,
         1.92871094e-02, -7.08007812e-02,  1.08886719e-01,  1.28906250e-01,
        -1.05957031e-01,  5.29785156e-02,  2.24609375e-01, -3.24707031e-02,
        -7.76367188e-02,  3.22265625e-02,  2.40478516e-02,  2.05078125e-02,
        -9.47265625e-02,  1.78710938e-01, -2.88085938e-02,  9.76562500e-02,
        -7.51953125e-02,  1.21582031e-01,  2.12890625e-01,  2.85156250e-01,
        -7.17773438e-02,  1.38671875e-01,  1.03027344e-01, -1.85546875e-02,
         2.73437500e-01, -2.05078125e-02, -3.22265625e-01,  1.32812500e-01,
        -4.46777344e-02, -4.76074219e-02, -3.56445312e-02,  2.33398438e-01,
         4.05273438e-02, -1.33789062e-01, -1.42578125e-01,  1.33789062e-0
1],
       dtype=float32),
 'aim': array([ 2.94494629e-03,  3.30078125e-01,  2.36328125e-01, -1.562500
00e-01,
        -2.68554688e-02,  2.63671875e-02,  3.65234375e-01, -6.29882812e-02,
        -2.40478516e-02, -1.09100342e-03, -1.58203125e-01,  1.59912109e-02,
         2.08984375e-01, -4.73632812e-02, -1.10839844e-01, -7.51953125e-02,
        -2.35351562e-01,  2.08007812e-01,  2.00195312e-01, -1.58203125e-01,
         1.21582031e-01,  5.90820312e-02,  5.34667969e-02,  1.80664062e-01,
         3.56445312e-02, -1.07910156e-01, -1.47094727e-02,  1.21582031e-01,
```

```
 3.17382812e-02, -7.27539062e-02,  7.32421875e-02, -1.05468750e-01,
 8.77380371e-04, -1.01074219e-01,  3.83300781e-02,  3.04687500e-01,
 1.67236328e-02,  3.39355469e-02,  2.77343750e-01, -7.32421875e-03,
 3.19824219e-02, -1.71875000e-01, -1.41601562e-01,  1.26953125e-01,
 5.37109375e-02, -4.08203125e-01,  7.76367188e-02,  2.41699219e-02,
-1.43554688e-01,  2.15820312e-01, -8.69140625e-02, -9.42382812e-02,
 5.41992188e-02,  1.77001953e-02,  3.14453125e-01, -9.13085938e-02,
-1.72851562e-01, -1.71875000e-01, -8.10546875e-02, -1.47705078e-02,
-1.23046875e-01, -7.86132812e-02, -1.11328125e-01,  1.81884766e-02,
 1.96289062e-01,  9.52148438e-02, -1.05957031e-01,  3.76953125e-01,
-5.44433594e-02,  1.47460938e-01, -3.98437500e-01,  1.38671875e-01,
 3.32031250e-01,  6.07910156e-02, -2.12890625e-01, -8.93554688e-02,
 7.76367188e-02,  1.66992188e-01, -2.53906250e-01, -8.83789062e-02,
 1.13281250e-01, -2.30468750e-01,  3.19824219e-02, -1.94091797e-02,
-2.51464844e-02,  1.86157227e-03,  1.37695312e-01, -1.42578125e-01,
 4.17480469e-02,  2.00195312e-01,  2.04101562e-01, -2.26562500e-01,
-2.06054688e-01, -4.17968750e-01,  9.91210938e-02, -1.52343750e-01,
-9.61914062e-02, -1.75781250e-01, -2.73437500e-02,  1.57226562e-01,
-2.73437500e-02,  1.72851562e-01, -2.34375000e-01,  8.49609375e-02,
 6.83593750e-02, -6.93359375e-02,  2.85644531e-02,  1.15234375e-01,
 1.90429688e-01,  1.10839844e-01, -2.79296875e-01, -8.44726562e-02,
-1.79687500e-01,  2.11181641e-02, -2.66113281e-02,  1.03027344e-01,
-1.36718750e-01, -2.89306641e-02, -1.96289062e-01,  1.38671875e-01,
-7.86132812e-02,  4.22363281e-02,  7.86132812e-02, -1.42578125e-01,
-2.39257812e-02, -7.95898438e-02, -1.85546875e-01, -2.03125000e-01,
-2.65625000e-01,  1.12304688e-02,  9.27734375e-02, -1.54296875e-01,
 4.88281250e-02, -1.11328125e-01,  1.83105469e-02, -4.51660156e-02,
 3.85742188e-02,  6.43920898e-03,  1.18164062e-01,  5.73730469e-02,
 1.81640625e-01, -1.60156250e-01,  1.53320312e-01, -5.02929688e-02,
-7.12890625e-02, -7.08007812e-02, -2.53906250e-01, -1.20117188e-01,
 3.29589844e-02, -1.32812500e-01, -2.55126953e-02,  1.32812500e-01,
 8.34960938e-02,  4.02832031e-02,  5.07812500e-02,  8.05664062e-03,
-1.66992188e-01, -1.92382812e-01, -1.30859375e-01, -1.06445312e-01,
-9.91210938e-02,  1.95312500e-01,  1.82617188e-01, -1.83593750e-01,
 4.39453125e-02, -9.61914062e-02,  9.47265625e-02,  6.25000000e-02,
 8.78906250e-02, -1.75781250e-01,  3.56445312e-02, -1.02050781e-01,
-4.73632812e-02, -7.17773438e-02,  5.98144531e-03, -4.15039062e-02,
 1.19140625e-01, -2.38281250e-01, -6.44531250e-02,  1.25976562e-01,
-3.45703125e-01, -6.78710938e-02,  2.62451172e-02, -6.83593750e-02,
-8.00781250e-02, -1.53320312e-01,  3.03955078e-02, -2.80761719e-02,
 1.36718750e-01, -9.13085938e-02, -2.73437500e-01, -6.25000000e-02,
 1.51367188e-01,  9.03320312e-02, -2.73437500e-01, -1.21093750e-01,
 2.83203125e-01,  3.45703125e-01,  1.16699219e-01, -2.32421875e-01,
 2.02148438e-01,  3.04687500e-01, -1.39770508e-02, -6.07910156e-02,
 7.86132812e-02,  1.02050781e-01, -2.49023438e-02,  3.07617188e-02,
-1.13769531e-01, -7.08007812e-02,  1.11816406e-01,  6.25000000e-02,
-1.12304688e-01,  1.15234375e-01,  3.32641602e-03, -8.10546875e-02,
 2.94189453e-02,  7.81250000e-02,  1.51367188e-01,  2.75878906e-02,
-5.66406250e-02,  1.29699707e-03, -5.37109375e-02, -4.24804688e-02,
-1.32812500e-01,  6.78710938e-02,  8.25195312e-02, -2.28881836e-04,
 1.94335938e-01,  9.08203125e-02,  2.50244141e-02, -8.54492188e-02,
-1.18652344e-01,  2.81250000e-01, -7.17773438e-02,  5.78613281e-02,
-9.52148438e-02,  4.97436523e-03, -1.30859375e-01,  1.75781250e-01,
-8.39843750e-02,  8.93554688e-02,  1.14135742e-02,  3.39355469e-02,
-5.63964844e-02,  1.84570312e-01,  2.00195312e-01,  2.33398438e-01,
 3.04687500e-01, -5.59082031e-02, -1.20117188e-01,  7.37304688e-02,
 1.59179688e-01,  2.74658203e-02,  6.29882812e-02,  2.55859375e-01,
-3.12500000e-02, -1.28906250e-01, -2.63671875e-01, -9.22851562e-02,
-6.93359375e-02,  1.60156250e-01,  1.31835938e-01, -4.44335938e-02,
-3.05175781e-02, -6.39648438e-02,  2.89306641e-02, -2.45117188e-01,
-2.34375000e-01, -4.37011719e-02,  8.59375000e-02,  1.28906250e-01,
 1.43432617e-02,  2.59765625e-01, -1.89208984e-02, -8.10546875e-02,
-1.56250000e-01, -1.41601562e-01, -7.27539062e-02,  4.16015625e-01,
 7.47070312e-02, -8.25195312e-02, -1.91406250e-01,  9.42382812e-02,
```

```
        -1.24023438e-01,  6.29882812e-02, -3.16406250e-01,  7.08007812e-02,
         1.54418945e-02, -1.01562500e-01, -2.57812500e-01,  5.68847656e-02,
        -2.27539062e-01, -2.07031250e-01, -3.39843750e-01,  5.76171875e-02,
         1.18652344e-01,  9.42382812e-02, -7.03125000e-02, -1.19140625e-0
1],
       dtype=float32),
 'equitable': array([-0.25      , -0.03051758, -0.21777344,  0.21679688,
0.05493164,
        -0.19140625,  0.30859375,  0.13769531, -0.01904297, -0.13085938,
        -0.21972656,  0.18261719,  0.32421875,  0.17675781, -0.07421875,
         0.23242188,  0.12792969,  0.02648926,  0.23144531,  0.19140625,
        -0.19628906,  0.15429688,  0.30859375,  0.04467773, -0.03588867,
        -0.01452637, -0.5390625 ,  0.05126953,  0.09863281, -0.06201172,
        -0.24414062, -0.24414062,  0.09082031,  0.06591797,  0.26953125,
         0.11132812,  0.39648438,  0.04394531,  0.3203125 ,  0.17871094,
        -0.11230469,  0.125     , -0.10742188, -0.06079102, -0.35351562,
        -0.078125  , -0.02709961,  0.23046875, -0.26367188, -0.08349609,
         0.10644531, -0.00164032, -0.23925781, -0.19824219, -0.25976562,
         0.03125   , -0.41992188, -0.27148438, -0.12597656, -0.19726562,
        -0.16894531, -0.02856445, -0.36328125,  0.10742188,  0.07617188,
        -0.02209473, -0.10009766, -0.00231934,  0.00424194, -0.00823975,
        -0.05175781, -0.11767578,  0.57421875,  0.05859375,  0.01306152,
        -0.03320312,  0.01855469, -0.07958984,  0.1953125 ,  0.19238281,
        -0.20703125,  0.28320312, -0.34570312,  0.20800781,  0.00964355,
        -0.20507812, -0.03613281,  0.19335938,  0.109375  ,  0.27148438,
         0.06738281,  0.01544189, -0.05908203, -0.05029297, -0.01379395,
         0.01226807,  0.0378418 , -0.01647949,  0.27929688, -0.23730469,
        -0.03613281,  0.33789062, -0.04492188,  0.25390625, -0.11181641,
         0.07373047, -0.03442383, -0.02905273,  0.13769531,  0.07324219,
        -0.1875    , -0.19140625, -0.22753906, -0.10302734, -0.02636719,
         0.23828125,  0.21679688, -0.28125   , -0.1015625 ,  0.2109375 ,
         0.06933594,  0.12988281,  0.19628906, -0.13378906, -0.31640625,
         0.13476562,  0.01196289, -0.15039062, -0.02856445,  0.04541016,
         0.06933594, -0.13964844, -0.2890625 ,  0.18164062, -0.17285156,
        -0.0267334 , -0.20507812, -0.1484375 ,  0.01464844,  0.3359375 ,
         0.13574219,  0.10986328, -0.06689453,  0.23339844, -0.1875    ,
        -0.10839844, -0.34179688, -0.109375  ,  0.20117188, -0.12060547,
        -0.02185059,  0.17480469, -0.15234375,  0.03955078,  0.17773438,
        -0.23828125,  0.37109375, -0.03637695, -0.09130859, -0.09765625,
        -0.12255859, -0.12060547,  0.21289062, -0.11132812,  0.08007812,
         0.06787109, -0.34960938, -0.2890625 ,  0.03271484, -0.00239563,
         0.11328125, -0.05395508,  0.05859375, -0.04663086,  0.09375   ,
         0.07666016,  0.24121094, -0.328125  , -0.54296875,  0.19628906,
        -0.34960938, -0.01745605,  0.31054688,  0.15820312,  0.07714844,
         0.18164062,  0.05908203,  0.19921875,  0.25976562,  0.11767578,
        -0.2265625 , -0.09082031,  0.10644531, -0.11962891, -0.06225586,
        -0.08886719, -0.11914062, -0.08349609,  0.23828125, -0.26171875,
        -0.11914062, -0.05981445,  0.32617188, -0.20605469, -0.30859375,
        -0.26953125, -0.25585938, -0.14550781,  0.00976562, -0.02368164,
        -0.0145874 ,  0.34375   ,  0.18554688,  0.10400391,  0.03808594,
         0.15820312, -0.22167969,  0.15527344,  0.08691406,  0.17480469,
         0.06494141, -0.07373047,  0.18652344,  0.19824219,  0.09619141,
         0.08349609,  0.36914062, -0.00830078, -0.27148438,  0.359375  ,
         0.0390625 ,  0.17578125, -0.05004883, -0.02685547,  0.0112915 ,
        -0.00634766, -0.09912109, -0.22851562,  0.35351562,  0.11328125,
         0.1171875 , -0.26953125,  0.07128906,  0.01153564, -0.04443359,
         0.07617188,  0.01049805,  0.21289062, -0.21582031,  0.11816406,
        -0.04394531,  0.27929688, -0.04370117, -0.1015625 ,  0.26757812,
        -0.23535156, -0.21777344, -0.0255127 ,  0.17089844,  0.0625    ,
        -0.03588867, -0.20410156, -0.04150391,  0.28710938,  0.27929688,
         0.20800781,  0.16015625, -0.08984375, -0.48632812, -0.14550781,
         0.08544922,  0.234375  ,  0.08935547,  0.1875    ,  0.13867188,
         0.30664062, -0.29492188,  0.03857422, -0.10205078,  0.25      ,
         0.00084686,  0.01434326, -0.09375   ,  0.31640625,  0.07275391,
```

```
         0.19042969,  0.10546875,  0.12695312,  0.43164062, -0.22070312,
        -0.14746094, -0.14550781,  0.24902344,  0.07763672, -0.125     ,
         0.49804688, -0.24707031, -0.23339844, -0.13183594, -0.21582031],
       dtype=float32),
 'candidate': array([ 0.01330566, -0.25976562,  0.09716797,  0.00891113, -
0.12597656,
        -0.06396484,  0.00610352, -0.09472656,  0.14550781, -0.22851562,
        -0.28320312, -0.02856445,  0.01953125,  0.01464844, -0.08740234,
         0.44335938,  0.11035156,  0.08154297, -0.25      , -0.16894531,
        -0.10449219,  0.21679688, -0.09521484, -0.16601562, -0.234375  ,
        -0.3359375 , -0.02478027,  0.13671875,  0.00823975,  0.203125  ,
         0.1875    ,  0.17773438, -0.16699219,  0.05126953,  0.11865234,
         0.00823975,  0.03369141,  0.14550781, -0.07568359,  0.01831055,
         0.13574219, -0.43359375,  0.10107422,  0.13964844, -0.4765625 ,
         0.10644531,  0.03564453, -0.02636719, -0.23046875,  0.140625  ,
        -0.01147461, -0.17285156,  0.03063965, -0.10742188, -0.11767578,
         0.01928711,  0.02001953, -0.00463867,  0.09765625, -0.31835938,
         0.04272461,  0.05200195, -0.22558594, -0.16210938,  0.09130859,
         0.01177979, -0.01940918,  0.21679688,  0.32226562,  0.03955078,
         0.09277344,  0.11572266,  0.0534668 , -0.296875  , -0.14941406,
         0.11962891,  0.13964844, -0.2734375 ,  0.09423828,  0.08642578,
         0.11181641,  0.10253906,  0.00282288, -0.20605469,  0.15234375,
         0.07470703,  0.04931641,  0.01080322,  0.3125    , -0.14257812,
         0.14160156, -0.18066406, -0.08691406,  0.22558594,  0.14746094,
        -0.23339844,  0.08837891,  0.2421875 ,  0.06542969,  0.14160156,
        -0.3515625 , -0.31640625,  0.19140625,  0.08105469,  0.0612793 ,
        -0.31445312, -0.03955078, -0.16015625,  0.20703125, -0.08984375,
         0.0189209 , -0.10742188, -0.1015625 , -0.07958984,  0.17480469,
        -0.20214844, -0.06884766, -0.15136719, -0.09667969,  0.00576782,
         0.1640625 ,  0.04101562, -0.01916504, -0.27148438, -0.25390625,
        -0.22265625,  0.21875   , -0.07666016,  0.03442383, -0.18066406,
        -0.00482178, -0.37890625,  0.09863281,  0.14648438, -0.28710938,
        -0.25585938, -0.13867188,  0.08740234, -0.00619507,  0.08349609,
        -0.09082031,  0.25976562, -0.05786133,  0.21191406,  0.0534668 ,
        -0.0177002 , -0.00921631, -0.04858398,  0.06152344, -0.01239014,
         0.23828125, -0.14160156,  0.11572266, -0.23242188,  0.32421875,
         0.01916504, -0.16015625, -0.25195312,  0.01904297, -0.12109375,
        -0.13574219, -0.06542969,  0.31835938,  0.51171875, -0.04003906,
        -0.20410156,  0.02148438,  0.18457031,  0.14160156,  0.16992188,
         0.1953125 ,  0.02844238, -0.31445312, -0.4765625 ,  0.13378906,
        -0.10546875,  0.02502441, -0.265625  ,  0.04541016, -0.09472656,
        -0.01275635,  0.02563477, -0.1640625 , -0.04370117, -0.14257812,
        -0.14453125,  0.05151367, -0.00476074,  0.12255859,  0.12060547,
         0.0378418 ,  0.10449219, -0.11083984,  0.21289062,  0.24707031,
        -0.08984375, -0.03710938,  0.25390625, -0.02453613, -0.10693359,
        -0.13476562,  0.0168457 ,  0.10595703, -0.06347656, -0.01293945,
         0.07763672,  0.38476562, -0.0703125 ,  0.13378906, -0.26171875,
        -0.08398438,  0.04394531, -0.25      ,  0.01318359, -0.2265625 ,
         0.05395508, -0.16894531, -0.203125  ,  0.11035156,  0.1640625 ,
         0.34179688,  0.04736328,  0.1640625 ,  0.15917969,  0.06298828,
         0.2734375 , -0.0010376 ,  0.06079102,  0.012146  , -0.02709961,
        -0.01177979,  0.10253906,  0.05566406, -0.13183594, -0.04833984,
        -0.08837891,  0.02624512, -0.26171875, -0.21191406, -0.20703125,
        -0.04663086, -0.12890625,  0.05322266,  0.19140625,  0.15332031,
        -0.1171875 ,  0.13183594,  0.08447266, -0.17773438, -0.10986328,
        -0.07763672, -0.20507812, -0.17382812,  0.1640625 , -0.19824219,
         0.15234375, -0.01904297,  0.13671875,  0.07861328, -0.29882812,
         0.14550781,  0.02355957,  0.0168457 ,  0.04663086,  0.13085938,
         0.01031494,  0.20996094,  0.17382812, -0.59765625, -0.07128906,
        -0.14550781, -0.00122833, -0.05078125, -0.08642578, -0.28125   ,
         0.03076172,  0.19921875, -0.31054688, -0.08544922,  0.10839844,
         0.1640625 , -0.01025391, -0.12988281,  0.13378906, -0.08154297,
        -0.07128906,  0.01281738,  0.03588867,  0.11474609, -0.0625    ,
        -0.00402832, -0.08837891, -0.22167969, -0.06591797,  0.18359375,
```

```
         0.10644531,  0.18554688, -0.19433594, -0.02526855,  0.22753906],
       dtype=float32),
 'everyone': array([ 0.07421875, -0.16503906, -0.10791016,  0.25      , -0.
10351562,
        -0.03735352, -0.08837891, -0.00212097,  0.04248047, -0.03588867,
        -0.22070312, -0.11181641,  0.04003906, -0.13085938, -0.38476562,
         0.125     ,  0.11572266,  0.015625  ,  0.22558594,  0.10058594,
         0.01483154,  0.14941406,  0.04516602, -0.05249023,  0.15332031,
        -0.04003906, -0.15917969, -0.01104736,  0.07861328, -0.05273438,
        -0.24511719,  0.07666016, -0.03295898,  0.03173828,  0.07861328,
         0.05932617,  0.16210938, -0.07373047,  0.22363281,  0.17382812,
         0.11669922, -0.109375  ,  0.2109375 , -0.18554688,  0.02478027,
         0.02819824, -0.18652344,  0.07373047,  0.012146  , -0.00186157,
         0.07666016,  0.12353516,  0.0168457 ,  0.01855469,  0.09326172,
         0.01904297, -0.08789062, -0.02160645, -0.03979492, -0.06787109,
         0.1875    ,  0.18554688, -0.08007812, -0.01611328,  0.14355469,
         0.09326172, -0.06396484,  0.01275635, -0.01782227,  0.2890625 ,
        -0.04199219, -0.16699219,  0.3125    , -0.13671875, -0.08740234,
        -0.09326172,  0.09863281, -0.09912109,  0.05981445,  0.3046875 ,
         0.22265625, -0.1796875 ,  0.05102539, -0.23730469, -0.26953125,
        -0.12597656, -0.00891113,  0.08740234,  0.05297852, -0.18847656,
         0.13378906, -0.01416016,  0.07861328, -0.01794434, -0.17382812,
         0.04223633, -0.00848389, -0.00156403,  0.08886719, -0.04541016,
        -0.41210938, -0.05444336,  0.16894531,  0.10791016, -0.25976562,
         0.16699219, -0.08935547,  0.07324219,  0.06933594, -0.21875   ,
        -0.01074219, -0.01159668,  0.0390625 , -0.08496094,  0.16992188,
         0.04858398,  0.09570312, -0.12255859, -0.00830078, -0.11279297,
        -0.24316406,  0.06835938, -0.07324219,  0.07177734, -0.09326172,
         0.06787109, -0.01831055, -0.09521484,  0.06152344,  0.07324219,
        -0.22753906, -0.15625   , -0.15234375, -0.11474609, -0.18457031,
        -0.13183594, -0.02172852, -0.08984375, -0.06542969,  0.00201416,
         0.11035156, -0.14453125,  0.15429688, -0.12060547,  0.09521484,
         0.00708008,  0.10205078, -0.03979492, -0.07275391, -0.11865234,
         0.21679688,  0.13183594, -0.31835938, -0.18261719, -0.01867676,
         0.00921631,  0.10351562, -0.23144531, -0.12890625, -0.00598145,
        -0.16308594,  0.3046875 ,  0.10498047,  0.0859375 ,  0.01708984,
        -0.16796875, -0.1640625 ,  0.05078125,  0.08789062,  0.02612305,
        -0.17871094,  0.01403809,  0.21875   ,  0.02905273, -0.09228516,
         0.17089844,  0.12255859, -0.23828125,  0.06542969,  0.04272461,
         0.02246094, -0.07519531,  0.2109375 , -0.109375  ,  0.03735352,
         0.00065613,  0.09277344, -0.08984375, -0.05859375, -0.01483154,
         0.10205078,  0.14355469,  0.28125   ,  0.12792969,  0.09130859,
        -0.18066406, -0.09765625,  0.18359375, -0.43164062, -0.19042969,
        -0.01104736, -0.07568359,  0.06494141, -0.08544922,  0.03955078,
        -0.18847656, -0.15136719, -0.03881836, -0.01843262, -0.07275391,
        -0.0534668 ,  0.03808594, -0.02331543, -0.10791016, -0.21484375,
         0.09863281,  0.02624512, -0.00720215, -0.24804688, -0.08154297,
        -0.11181641, -0.19042969, -0.04907227, -0.11328125,  0.07714844,
        -0.11914062,  0.07226562, -0.05517578,  0.01586914, -0.13769531,
        -0.0300293 ,  0.15625   ,  0.01403809, -0.10302734,  0.07177734,
        -0.10498047, -0.08984375, -0.01428223,  0.13476562,  0.01531982,
         0.03100586, -0.02392578, -0.24511719, -0.11914062, -0.03100586,
         0.11181641,  0.12695312,  0.03857422, -0.18066406, -0.02111816,
        -0.24609375,  0.296875  ,  0.04467773, -0.00512695,  0.3984375 ,
        -0.18847656,  0.03881836, -0.06298828, -0.00263977,  0.06884766,
        -0.08935547, -0.23144531, -0.3515625 , -0.01733398, -0.02575684,
        -0.00100708, -0.03088379,  0.0255127 , -0.28125   , -0.12207031,
        -0.07958984,  0.21386719,  0.15917969,  0.10302734, -0.0546875 ,
        -0.0625    ,  0.09960938, -0.12207031, -0.08203125, -0.10351562,
         0.02246094, -0.06982422, -0.08349609,  0.24511719,  0.08740234,
         0.21972656, -0.10839844, -0.24023438,  0.08203125,  0.0402832 ,
        -0.11816406,  0.06640625, -0.11425781,  0.00358582, -0.05029297,
         0.03613281,  0.10546875, -0.09863281,  0.11816406, -0.18847656],
       dtype=float32),
```

```
 'express': array([-2.17285156e-02, -1.31835938e-01,  4.17480469e-02,  1.38
671875e-01,
        -1.25000000e-01, -1.05957031e-01,  2.55126953e-02, -1.26953125e-01,
         1.62109375e-01,  8.44726562e-02, -3.02734375e-01,  1.46484375e-02,
         1.91406250e-01,  1.33789062e-01, -1.77734375e-01, -1.06445312e-01,
         1.41601562e-01,  3.14453125e-01,  1.24511719e-01, -1.85546875e-02,
         2.12890625e-01,  5.71289062e-02, -1.07910156e-01, -9.61914062e-02,
        -2.07519531e-02, -8.93554688e-02,  9.27734375e-02, -4.66308594e-02,
        -3.02734375e-02, -1.84570312e-01, -2.12402344e-02, -1.88476562e-01,
        -2.85156250e-01,  4.37500000e-01, -6.12792969e-02,  1.77734375e-01,
         1.72851562e-01, -4.61425781e-02, -3.49609375e-01, -1.39617920e-03,
        -6.03027344e-02, -2.94494629e-03, -1.28906250e-01, -1.43554688e-01,
        -5.29785156e-02, -1.61132812e-01, -2.81250000e-01, -4.73632812e-02,
        -3.32031250e-01,  1.53320312e-01,  1.62109375e-01,  1.25000000e-01,
        -8.74023438e-02,  2.03125000e-01, -2.45117188e-01,  1.64062500e-01,
        -4.41406250e-01, -1.02539062e-01, -1.51367188e-01, -2.24609375e-01,
         3.12500000e-01, -2.07031250e-01, -1.21582031e-01, -2.53906250e-01,
        -8.25195312e-02, -9.82666016e-03, -3.37890625e-01, -8.30078125e-03,
         3.00781250e-01,  3.33984375e-01, -2.77343750e-01,  2.92968750e-02,
         1.07910156e-01, -7.42187500e-02,  6.44531250e-02, -3.32031250e-01,
         6.54296875e-02, -2.31445312e-01,  1.34765625e-01,  3.61328125e-01,
        -4.02832031e-02,  1.41601562e-01,  4.39453125e-02,  3.49121094e-02,
         1.66015625e-01,  8.69140625e-02, -4.71191406e-02, -8.88671875e-02,
        -1.01562500e-01,  2.91015625e-01,  4.37011719e-02, -2.44140625e-02,
        -1.22558594e-01,  1.92382812e-01,  1.79687500e-01, -1.44531250e-01,
         1.32812500e-01,  2.45117188e-01,  1.13769531e-01, -1.20605469e-01,
        -7.32421875e-02, -2.25585938e-01,  2.35351562e-01, -9.37500000e-02,
         4.83398438e-02,  1.85546875e-01,  1.89453125e-01, -2.87109375e-01,
         3.06640625e-01,  1.08886719e-01, -3.61328125e-01, -4.70703125e-01,
         9.15527344e-03,  6.03027344e-02,  1.66015625e-01,  1.14257812e-01,
         2.18750000e-01, -2.67028809e-04,  5.27343750e-02,  5.85937500e-02,
        -2.86865234e-02,  8.60595703e-03,  1.14746094e-02,  3.16406250e-01,
        -1.95312500e-01,  7.47070312e-02, -1.92382812e-01, -6.98242188e-02,
         2.22656250e-01, -1.45507812e-01, -1.13769531e-01, -8.54492188e-02,
        -3.49609375e-01, -5.34667969e-02,  2.61718750e-01, -1.07421875e-01,
        -6.44531250e-02,  1.51367188e-01,  9.76562500e-02, -4.60937500e-01,
        -2.18750000e-01, -1.25976562e-01, -2.92968750e-01, -1.61132812e-01,
         1.10473633e-02, -1.55273438e-01, -2.83203125e-01,  9.33837891e-03,
        -3.20312500e-01, -9.46044922e-03,  3.22265625e-01,  1.34277344e-02,
         1.18652344e-01,  1.87500000e-01,  2.22656250e-01,  6.88476562e-02,
        -6.59942627e-04, -4.34570312e-02, -3.43750000e-01, -9.86328125e-02,
        -6.54296875e-02,  7.51953125e-02, -4.58984375e-02,  1.73339844e-02,
        -2.85644531e-02, -5.81054688e-02,  7.86132812e-02,  1.98242188e-01,
         1.63085938e-01,  1.03515625e-01, -7.51953125e-02,  6.88476562e-02,
         8.93554688e-02,  5.31005859e-03, -2.67333984e-02,  1.75781250e-01,
        -8.34960938e-02,  2.05078125e-02,  5.10253906e-02,  2.67028809e-03,
        -5.27343750e-02,  2.40234375e-01, -2.22167969e-02, -5.44433594e-02,
        -6.15234375e-02, -2.57812500e-01,  4.54101562e-02, -2.91015625e-01,
        -2.30468750e-01,  2.02148438e-01,  5.63964844e-02,  8.74023438e-02,
        -1.09863281e-01, -3.12500000e-01, -7.42187500e-02, -1.88476562e-01,
        -1.02539062e-01,  2.18505859e-02, -6.44531250e-02,  7.17773438e-02,
        -4.57763672e-03, -1.99218750e-01, -1.41601562e-01,  1.19628906e-01,
        -3.96484375e-01, -1.63085938e-01, -9.57031250e-02,  1.90429688e-01,
        -5.49316406e-02, -1.31835938e-01, -1.22558594e-01,  5.00488281e-02,
        -2.42187500e-01,  3.75976562e-02, -3.33984375e-01, -3.02734375e-01,
         2.31445312e-01, -1.74804688e-01, -2.87109375e-01, -3.78906250e-01,
         2.79296875e-01, -1.58203125e-01,  4.93164062e-02,  1.06933594e-01,
         2.47070312e-01, -3.28125000e-01, -1.03515625e-01, -1.89453125e-01,
        -6.98242188e-02, -1.27929688e-01,  5.17578125e-02,  3.44238281e-02,
         1.35742188e-01,  4.14062500e-01,  3.49609375e-01,  3.24218750e-01,
         4.12109375e-01, -2.02148438e-01,  6.34765625e-03,  1.31835938e-02,
         5.32226562e-02, -1.42578125e-01, -1.66015625e-01,  1.81640625e-01,
        -1.18408203e-02,  1.26953125e-01, -9.17968750e-02,  4.22363281e-02,
        -8.05664062e-02, -3.75976562e-02,  1.96289062e-01,  2.55859375e-01,
```

```
         4.02832031e-02,  1.01562500e-01,  2.67578125e-01, -7.03125000e-02,
        -1.46484375e-01,  2.63671875e-01, -7.81250000e-02, -2.89062500e-01,
        -1.11816406e-01, -8.78906250e-02, -2.02636719e-02, -2.11181641e-02,
         9.42382812e-02,  3.10546875e-01, -4.63867188e-03,  6.39648438e-02,
        -3.45703125e-01,  1.02539062e-01, -1.84326172e-02,  1.09863281e-01,
         1.08642578e-02, -1.63085938e-01, -8.83789062e-02, -1.93359375e-01,
        -3.06640625e-01, -1.36718750e-01, -1.95312500e-01, -1.02050781e-01,
         4.02832031e-02,  2.87109375e-01,  3.95507812e-02, -7.61718750e-02,
         2.42187500e-01,  2.19726562e-01,  8.34960938e-02,  1.16699219e-01,
         7.62939453e-03,  4.83398438e-02,  1.29882812e-01,  1.28906250e-01,
         1.78710938e-01, -8.93554688e-02, -1.06445312e-01, -1.66015625e-01,
        -6.17675781e-02,  1.02050781e-01,  1.58691406e-02, -3.61328125e-0
1],
       dtype=float32),
 'interest': array([ 1.35742188e-01,  7.08007812e-02,  3.17382812e-02,  1.1
7675781e-01,
        -2.27539062e-01,  6.39648438e-02,  2.12890625e-01, -1.66992188e-01,
         1.40625000e-01, -1.90429688e-02, -6.25000000e-02, -1.03515625e-01,
         1.00097656e-01, -9.08203125e-02, -1.80664062e-01, -1.01928711e-02,
         2.41699219e-02,  2.33398438e-01,  2.01171875e-01,  7.32421875e-02,
        -8.49609375e-02, -3.29589844e-02, -2.13867188e-01,  8.25195312e-02,
        -5.10253906e-02, -1.81884766e-02, -2.15820312e-01,  3.34472656e-02,
        -1.52343750e-01,  9.27734375e-02,  1.31835938e-01, -2.99072266e-03,
         2.30468750e-01, -1.14257812e-01,  1.64062500e-01,  2.89062500e-01,
         1.21582031e-01,  2.65625000e-01,  1.83105469e-03,  1.96289062e-01,
         1.98242188e-01,  6.10351562e-04, -7.32421875e-02, -2.29492188e-01,
        -2.25585938e-01, -2.09960938e-01,  2.79296875e-01, -8.34960938e-02,
        -5.73730469e-02, -3.34472656e-02,  2.43164062e-01, -1.01562500e-01,
        -2.39257812e-02, -1.42578125e-01,  1.02539062e-02,  1.70898438e-01,
        -2.86865234e-02, -6.54296875e-02, -1.92871094e-02, -4.32128906e-02,
        -1.17675781e-01, -5.10253906e-02,  5.32226562e-02,  1.00097656e-01,
        -2.67578125e-01, -2.27539062e-01, -3.22265625e-01,  2.31933594e-03,
        -5.88989258e-03,  1.52343750e-01, -4.32128906e-02, -3.22265625e-01,
         2.53906250e-01,  5.51757812e-02, -1.51367188e-01,  7.81250000e-02,
         4.80957031e-02, -8.91685486e-05, -5.78613281e-02,  2.98828125e-01,
         1.73339844e-02,  5.44433594e-02,  4.39453125e-02,  1.40625000e-01,
         1.34765625e-01, -2.01171875e-01, -2.01171875e-01, -2.69775391e-02,
        -3.63769531e-02,  4.97436523e-03,  2.15820312e-01,  1.04492188e-01,
        -1.48437500e-01, -1.21582031e-01,  5.71289062e-02, -3.20312500e-01,
        -6.78710938e-02,  4.24804688e-02,  1.14746094e-01,  7.51953125e-02,
         5.05371094e-02, -1.11816406e-01,  1.05957031e-01, -1.18652344e-01,
         2.13867188e-01, -1.57226562e-01, -1.96289062e-01, -1.39648438e-01,
         4.90722656e-02, -4.73632812e-02, -1.90429688e-01,  5.76171875e-02,
        -2.63671875e-01,  7.22656250e-02,  5.41992188e-02, -9.22851562e-02,
        -2.75878906e-02,  1.88446045e-03,  2.32421875e-01,  2.49023438e-02,
         2.28515625e-01,  1.78222656e-02, -6.34765625e-02,  1.48437500e-01,
        -6.64062500e-02,  5.41992188e-02,  1.71875000e-01,  1.72851562e-01,
        -6.49414062e-02,  5.90820312e-02, -1.47460938e-01, -2.73437500e-01,
        -5.17578125e-02, -1.95312500e-01,  1.90429688e-01,  2.30468750e-01,
        -9.52148438e-02,  1.68457031e-02, -6.20117188e-02,  1.66015625e-01,
        -4.49218750e-02,  4.41894531e-02, -6.20117188e-02,  1.54296875e-01,
        -4.37011719e-02, -8.20312500e-02, -9.76562500e-02,  1.81640625e-01,
         5.64575195e-03, -3.06640625e-01,  4.97436523e-03,  1.30859375e-01,
         8.49609375e-02, -3.29589844e-02, -1.01074219e-01, -8.74023438e-02,
        -2.09960938e-02, -1.68945312e-01,  2.00195312e-02, -1.32812500e-01,
        -2.25830078e-02,  4.45312500e-01, -1.57226562e-01,  1.71875000e-01,
         5.88378906e-02,  2.30468750e-01, -1.10839844e-01,  7.03125000e-02,
         7.03125000e-02,  1.00097656e-01,  4.27246094e-02,  1.86767578e-02,
         1.45874023e-02, -2.12890625e-01,  9.91210938e-02, -1.73828125e-01,
         2.55126953e-02, -9.22851562e-02, -4.52041626e-04, -3.57421875e-01,
        -6.93359375e-02, -2.96875000e-01,  1.13281250e-01, -2.10937500e-01,
         3.73535156e-02, -1.50390625e-01,  2.44140625e-02, -4.41894531e-02,
         1.33789062e-01, -2.29492188e-02, -2.17773438e-01,  1.21093750e-01,
         1.37329102e-02,  1.25000000e-01, -5.24902344e-02,  1.47460938e-01,
```

```
         8.05664062e-02,  1.77734375e-01,  8.64257812e-02, -1.16210938e-01,
        -7.08007812e-02,  6.68945312e-02, -2.34375000e-02, -4.23828125e-01,
        -1.22558594e-01, -2.71484375e-01, -2.98828125e-01,  1.78710938e-01,
         1.05957031e-01,  3.49609375e-01,  1.63085938e-01, -6.88476562e-02,
         2.39257812e-01,  2.61718750e-01, -1.61132812e-01,  1.71875000e-01,
        -1.49414062e-01,  4.61425781e-02,  1.00097656e-01,  6.64062500e-02,
        -1.65039062e-01,  1.01074219e-01, -2.65625000e-01,  4.61425781e-02,
        -3.47656250e-01, -1.36566162e-03,  5.98144531e-03,  4.12597656e-02,
         1.80664062e-01, -7.03125000e-02, -7.03125000e-02, -8.93554688e-02,
        -5.55419922e-03,  1.79687500e-01,  1.19628906e-01,  1.97265625e-01,
         2.17773438e-01,  9.17968750e-02,  1.00097656e-01,  1.33789062e-01,
         2.62451172e-03, -5.10253906e-02,  1.42578125e-01,  1.30859375e-01,
        -6.34765625e-02,  1.85546875e-01,  1.60156250e-01,  5.21850586e-03,
         1.63085938e-01, -2.22167969e-02,  1.05468750e-01, -1.16210938e-01,
        -1.51367188e-02, -7.59887695e-03, -1.43554688e-01,  3.36914062e-02,
         1.68945312e-01, -8.98437500e-02, -5.51757812e-02,  6.68945312e-02,
         1.46484375e-02,  5.39550781e-02, -2.07519531e-02,  2.37304688e-01,
        -3.28125000e-01,  7.17773438e-02, -1.56250000e-02, -9.08203125e-02,
         9.52148438e-02, -3.00781250e-01,  8.44726562e-02,  1.10351562e-01,
         1.24023438e-01,  9.86328125e-02,  3.80859375e-01, -1.25000000e-01,
        -1.00097656e-02, -2.08007812e-01, -9.15527344e-03, -1.80053711e-03,
         2.33398438e-01, -5.61523438e-02,  7.66601562e-02,  1.53320312e-01,
        -5.83496094e-02, -1.92382812e-01, -8.00781250e-02,  1.12304688e-01,
         8.83789062e-02, -2.83203125e-02, -2.61718750e-01, -4.51660156e-02,
        -1.18164062e-01, -1.15234375e-01,  1.57226562e-01,  1.81884766e-02,
         2.53906250e-02, -7.39097595e-05, -2.83203125e-01,  3.10058594e-0
2],
       dtype=float32),
 'selected': array([-0.16113281,  0.37109375,  0.00994873,  0.06982422, -0.
01147461,
        -0.19628906,  0.06542969, -0.09619141,  0.2890625 ,  0.06640625,
        -0.0008812 , -0.01745605,  0.12792969, -0.19238281,  0.11132812,
         0.26171875, -0.06542969, -0.17871094, -0.22363281,  0.04736328,
        -0.17675781,  0.18261719, -0.41015625, -0.02307129, -0.08349609,
        -0.23339844, -0.16992188, -0.07275391, -0.08154297,  0.01708984,
         0.14648438,  0.04931641,  0.09765625, -0.12597656,  0.296875  ,
         0.04150391, -0.07958984, -0.17089844, -0.11083984, -0.08789062,
         0.0324707 , -0.03491211,  0.02233887, -0.12304688,  0.04248047,
        -0.15625   ,  0.10449219, -0.28125   , -0.31835938,  0.05126953,
        -0.1484375 ,  0.10693359,  0.04638672,  0.02368164, -0.21191406,
         0.04931641,  0.05322266, -0.08007812,  0.17480469,  0.14453125,
         0.08349609, -0.05932617,  0.16113281, -0.18261719,  0.07080078,
        -0.08984375, -0.18066406,  0.07568359,  0.25390625,  0.01074219,
        -0.0065918 , -0.171875  ,  0.0279541 ,  0.00506592,  0.05883789,
        -0.15039062,  0.28710938,  0.02832031,  0.08984375,  0.03759766,
         0.39257812, -0.25976562,  0.05541992, -0.03857422,  0.12402344,
        -0.22070312, -0.13964844,  0.08642578,  0.09912109,  0.06933594,
         0.30078125, -0.08740234, -0.1328125 ,  0.26757812,  0.03540039,
         0.09765625, -0.01269531,  0.13476562, -0.26757812, -0.08789062,
         0.13476562,  0.07519531, -0.10644531,  0.25585938,  0.01367188,
        -0.0402832 , -0.24511719, -0.09472656, -0.04345703,  0.12597656,
         0.0032959 ,  0.16601562, -0.03393555, -0.15625   ,  0.296875  ,
        -0.12988281,  0.13378906, -0.14648438,  0.48242188, -0.33007812,
        -0.02758789, -0.02502441, -0.10644531,  0.06689453, -0.04150391,
         0.10742188, -0.07128906, -0.26367188, -0.04882812, -0.01275635,
        -0.03710938, -0.03759766, -0.05078125,  0.23730469, -0.33007812,
        -0.0456543 , -0.14550781,  0.00396729,  0.25390625,  0.04589844,
        -0.3359375 ,  0.10058594, -0.171875  , -0.1953125 , -0.12890625,
         0.23339844,  0.08740234,  0.01348877,  0.37109375, -0.03637695,
        -0.06152344,  0.13574219,  0.203125  ,  0.18066406,  0.00613403,
        -0.08251953, -0.07324219, -0.01422119, -0.14550781, -0.10546875,
        -0.08251953, -0.05541992, -0.00227356,  0.11035156,  0.0133667 ,
        -0.04199219,  0.02185059,  0.03442383, -0.15332031, -0.22265625,
        -0.19042969,  0.01519775,  0.03039551, -0.20703125,  0.2734375 ,
```

```
         0.13867188,  0.25195312, -0.24023438, -0.22070312, -0.04833984,
        -0.09326172,  0.07080078,  0.11230469,  0.08789062, -0.09179688,
         0.02453613, -0.25585938, -0.00613403, -0.01165771,  0.02185059,
        -0.00732422, -0.1640625 ,  0.109375  , -0.45117188, -0.05810547,
         0.04858398,  0.31640625, -0.00610352,  0.00933838, -0.24511719,
         0.21777344,  0.17675781,  0.17773438,  0.09912109, -0.27734375,
         0.01818848,  0.18164062,  0.02270508,  0.24414062, -0.08544922,
         0.14648438,  0.10449219, -0.05493164,  0.06982422,  0.18847656,
        -0.07519531, -0.02441406, -0.15332031,  0.03979492, -0.17480469,
        -0.03979492, -0.15136719, -0.24316406,  0.17773438,  0.04443359,
         0.16210938, -0.08984375,  0.02514648, -0.16308594, -0.31445312,
        -0.05249023, -0.16894531,  0.13867188,  0.09033203,  0.15429688,
        -0.05249023,  0.11425781, -0.12060547,  0.03295898,  0.09082031,
        -0.1875    ,  0.0255127 , -0.15625   ,  0.03088379, -0.07324219,
         0.12304688, -0.01318359,  0.00113678, -0.24804688, -0.13671875,
        -0.03710938, -0.25585938,  0.07275391,  0.00053024, -0.00049973,
         0.265625  , -0.01708984, -0.10449219, -0.15039062, -0.14746094,
         0.05737305,  0.12060547, -0.19335938, -0.15722656,  0.18066406,
         0.11083984,  0.14257812,  0.12597656, -0.09423828,  0.05004883,
         0.00680542, -0.11132812, -0.15722656, -0.00198364,  0.18164062,
        -0.22949219, -0.20019531,  0.08544922, -0.20410156,  0.27734375,
        -0.06152344,  0.15722656,  0.06298828, -0.10986328, -0.10595703,
         0.1328125 , -0.20800781,  0.19824219,  0.24316406, -0.00830078,
         0.13085938, -0.02978516, -0.12451172, -0.12695312,  0.13769531,
         0.01037598,  0.24902344,  0.06347656, -0.11279297, -0.07421875],
       dtype=float32),
 'recruiter': array([ 3.31115723e-03,  4.34570312e-02,  1.33789062e-01,  1.
86523438e-01,
         5.22460938e-02,  7.71484375e-02, -3.30078125e-01,  7.75146484e-03,
        -4.76074219e-02,  1.35742188e-01,  1.95312500e-01,  2.39257812e-02,
         2.98828125e-01, -1.04003906e-01,  2.03125000e-01,  9.47265625e-02,
         5.95092773e-04, -2.24609375e-01, -1.54296875e-01, -3.53515625e-01,
        -1.46484375e-01,  6.15234375e-02,  4.80957031e-02,  3.26171875e-01,
        -1.03515625e-01, -3.10546875e-01, -1.66015625e-01,  2.59765625e-01,
        -2.89062500e-01,  2.15820312e-01,  1.09863281e-01,  1.76757812e-01,
        -3.14453125e-01, -2.23632812e-01, -6.40869141e-03,  4.58984375e-02,
         2.22656250e-01,  2.24609375e-01,  1.98242188e-01, -3.39843750e-01,
        -2.50000000e-01, -2.17773438e-01, -2.92968750e-01, -1.90429688e-01,
        -1.70898438e-02, -1.45507812e-01, -2.22656250e-01,  2.64892578e-02,
         1.63085938e-01,  4.10156250e-02, -1.86767578e-02, -2.47070312e-01,
        -3.08593750e-01,  2.13867188e-01, -2.01416016e-02, -3.92578125e-01,
         1.81640625e-01,  1.58203125e-01, -1.77734375e-01, -3.12805176e-03,
         9.76562500e-02, -6.20117188e-02, -3.00781250e-01,  2.29492188e-01,
        -1.48437500e-01,  1.91406250e-01, -1.43554688e-01, -7.66601562e-02,
         2.69531250e-01,  1.30859375e-01, -2.51953125e-01,  1.68945312e-01,
        -3.02734375e-01,  2.07519531e-02,  3.56445312e-02,  3.93066406e-02,
        -1.81884766e-02,  6.64062500e-02,  9.52148438e-02,  1.08886719e-01,
         8.39843750e-02,  2.14843750e-01, -2.03125000e-01,  7.32421875e-02,
        -1.38671875e-01, -7.42187500e-02, -3.75000000e-01,  6.39648438e-02,
         1.48437500e-01, -2.20703125e-01,  3.14941406e-02, -6.73828125e-02,
        -4.35546875e-01,  4.88281250e-03,  4.08203125e-01, -1.20605469e-01,
         4.80468750e-01,  2.50000000e-01,  2.07031250e-01, -2.12890625e-01,
        -4.19921875e-01, -2.75390625e-01,  1.80664062e-01,  1.96289062e-01,
         1.66992188e-01, -4.43359375e-01, -7.03125000e-02, -5.37109375e-02,
         2.14843750e-02, -3.24218750e-01, -8.98437500e-02, -9.08203125e-02,
        -1.32812500e-01, -3.89099121e-03,  7.76367188e-02,  6.59179688e-02,
        -2.50000000e-01, -3.54003906e-02,  3.16406250e-01, -2.41210938e-01,
        -1.07421875e-02,  7.47070312e-02, -5.05371094e-02,  1.10839844e-01,
         1.67846680e-03, -1.31835938e-01, -1.42578125e-01, -2.46093750e-01,
         4.17968750e-01, -6.64062500e-02, -1.54296875e-01, -5.07812500e-01,
         3.63769531e-02,  2.25830078e-02, -1.00585938e-01, -3.33984375e-01,
        -9.66796875e-02,  4.93164062e-02, -4.27734375e-01,  1.69921875e-01,
         4.34570312e-02, -4.46777344e-02, -1.87500000e-01, -5.61523438e-02,
        -2.40234375e-01,  2.10937500e-01, -1.24023438e-01, -4.93164062e-02,
```

```
        -1.64062500e-01, -9.15527344e-03,  3.10546875e-01,  3.39843750e-01,
        -2.40234375e-01,  2.25585938e-01,  1.96533203e-02, -3.75976562e-02,
        -4.49218750e-02, -5.39550781e-02,  5.29785156e-02,  2.32421875e-01,
         1.71875000e-01, -9.46044922e-03,  1.56250000e-02,  4.24804688e-02,
        -2.73437500e-02, -2.01171875e-01,  1.88476562e-01, -5.00000000e-01,
         9.08203125e-02,  4.45312500e-01,  2.17773438e-01,  3.22265625e-01,
        -4.54101562e-02, -4.37500000e-01,  1.58203125e-01,  1.14257812e-01,
         2.29492188e-01, -5.06591797e-03, -1.10839844e-01, -4.27734375e-01,
         1.11328125e-01, -2.15820312e-01,  1.40625000e-01,  5.00488281e-02,
        -2.37304688e-01, -1.46484375e-01,  2.10937500e-01,  2.91015625e-01,
         6.98242188e-02,  1.97265625e-01, -2.01171875e-01,  1.96289062e-01,
         1.13281250e-01,  4.43359375e-01,  1.43554688e-01,  1.00097656e-01,
        -5.76171875e-02, -5.98144531e-02,  4.46777344e-02, -4.21875000e-01,
        -9.27734375e-02,  4.04296875e-01,  1.43554688e-01, -1.31835938e-02,
        -1.61132812e-01,  6.93359375e-02,  5.10253906e-02, -4.21875000e-01,
         6.22558594e-02, -2.16064453e-02,  6.15234375e-02, -2.89062500e-01,
        -1.25000000e-01, -3.33984375e-01,  2.59765625e-01,  5.07812500e-01,
        -8.25195312e-02, -3.53515625e-01, -1.51367188e-01,  1.04003906e-01,
         2.75390625e-01,  2.81250000e-01,  3.29589844e-02, -4.00390625e-02,
         1.17187500e-02,  6.68945312e-02,  1.44531250e-01, -7.12890625e-02,
        -1.83593750e-01, -3.32031250e-01, -1.34765625e-01, -1.92382812e-01,
        -1.46484375e-01, -5.85937500e-01, -1.00097656e-01, -2.33398438e-01,
         1.59179688e-01, -3.43750000e-01, -3.04687500e-01, -9.70458984e-03,
         8.15429688e-02,  2.20703125e-01, -3.80859375e-01,  6.39648438e-02,
        -4.88281250e-02, -2.24609375e-01, -3.86718750e-01, -1.64062500e-01,
         7.53784180e-03, -1.42578125e-01, -1.25000000e-01, -3.26171875e-01,
        -2.53906250e-01,  1.66992188e-01,  6.64062500e-02, -1.66015625e-02,
        -4.71191406e-02,  6.22558594e-02,  5.02929688e-02, -6.64062500e-02,
         3.30078125e-01, -1.04492188e-01, -1.50146484e-02, -8.05664062e-02,
         1.19018555e-03,  1.13281250e-01, -3.20434570e-04, -5.95703125e-02,
        -2.69531250e-01, -7.86132812e-02,  1.15234375e-01, -1.51977539e-02,
         5.95703125e-02,  4.54101562e-02, -3.80859375e-01, -4.56542969e-02,
        -3.67187500e-01,  1.21093750e-01,  9.03320312e-02, -4.12597656e-02,
        -4.61425781e-02, -3.12500000e-01, -3.84765625e-01,  2.91015625e-01,
        -2.11914062e-01,  2.78320312e-02,  3.17382812e-02,  3.78417969e-02,
         1.60156250e-01,  3.51562500e-02, -1.25976562e-01, -1.13281250e-01,
        -5.66406250e-01,  3.08837891e-02,  7.37304688e-02, -7.27539062e-02,
         1.06933594e-01, -1.40625000e-01, -6.78710938e-02,  2.36816406e-0
2],
       dtype=float32),
 'step': array([-0.20605469,  0.10839844,  0.11035156, -0.11523438, -0.2011
7188,
        -0.07275391,  0.09521484, -0.17871094,  0.05297852,  0.16503906,
         0.20703125, -0.07373047,  0.30664062, -0.05786133, -0.14648438,
         0.09960938,  0.16992188, -0.09765625,  0.03759766, -0.16210938,
         0.18652344,  0.11035156,  0.12890625, -0.01660156,  0.10302734,
         0.12988281, -0.00154877, -0.03540039, -0.04638672,  0.14160156,
        -0.10693359,  0.04052734,  0.07617188,  0.08056641, -0.12988281,
        -0.01403809,  0.20410156,  0.13085938,  0.05322266,  0.06884766,
        -0.18066406, -0.01672363,  0.04077148, -0.00787354, -0.15722656,
        -0.25390625, -0.265625  ,  0.06835938, -0.24414062,  0.04443359,
        -0.04101562,  0.16992188,  0.0480957 , -0.3203125 ,  0.25585938,
         0.03027344, -0.05615234, -0.16699219, -0.02368164,  0.03417969,
        -0.22949219,  0.00592041, -0.02111816,  0.08740234,  0.078125  ,
        -0.0456543 ,  0.01428223,  0.14941406, -0.20507812,  0.140625  ,
        -0.41601562, -0.06494141, -0.1484375 , -0.18261719,  0.015625  ,
        -0.04003906,  0.25      ,  0.10839844,  0.25390625,  0.20507812,
         0.08642578, -0.05834961,  0.41015625, -0.13867188,  0.33984375,
         0.06738281,  0.02124023, -0.13476562,  0.27539062, -0.03173828,
         0.35742188,  0.02929688, -0.03015137, -0.26171875,  0.12890625,
        -0.33203125, -0.20996094,  0.17480469, -0.03442383, -0.12988281,
        -0.13476562,  0.04882812,  0.02612305, -0.02905273,  0.03515625,
        -0.01208496,  0.16503906, -0.08886719,  0.09277344,  0.07226562,
        -0.02612305,  0.05639648,  0.09228516,  0.06494141,  0.03979492,
```

```
         0.18554688,  0.01940918,  0.11035156, -0.00081635, -0.07128906,
         0.0324707 ,  0.10888672, -0.16308594,  0.14550781, -0.06884766,
         0.02770996,  0.10888672,  0.07470703,  0.11865234,  0.13671875,
         0.01965332, -0.12988281,  0.07861328,  0.31835938,  0.21972656,
        -0.08740234,  0.00476074,  0.14160156, -0.08496094,  0.23535156,
         0.19824219, -0.03735352, -0.09814453,  0.08837891,  0.04833984,
         0.20117188,  0.07373047, -0.10791016,  0.12207031, -0.18066406,
         0.08886719,  0.0559082 , -0.12451172,  0.00297546,  0.01092529,
         0.13671875,  0.00579834, -0.21777344, -0.03686523,  0.0213623 ,
         0.12695312, -0.04125977,  0.1484375 , -0.15234375, -0.09521484,
        -0.32226562,  0.14648438,  0.02526855,  0.05493164, -0.07861328,
        -0.01239014, -0.17285156, -0.04785156,  0.00567627,  0.265625  ,
        -0.00646973,  0.08789062, -0.03613281,  0.04516602,  0.33984375,
        -0.28710938, -0.05615234, -0.05664062, -0.26367188,  0.04956055,
         0.0546875 , -0.01904297,  0.21679688,  0.11035156, -0.07910156,
         0.18359375,  0.1171875 ,  0.2734375 , -0.12011719, -0.328125  ,
        -0.10546875, -0.10058594,  0.22949219,  0.1953125 , -0.12304688,
        -0.08642578,  0.12792969,  0.18261719,  0.12255859,  0.05957031,
         0.02600098,  0.12060547, -0.24707031,  0.24707031, -0.14550781,
         0.25585938,  0.27734375, -0.33203125,  0.00982666, -0.21875   ,
         0.06054688,  0.30859375, -0.109375  ,  0.08300781, -0.21289062,
        -0.02026367, -0.11474609, -0.12792969, -0.03173828,  0.11767578,
        -0.00071335,  0.09667969, -0.21289062,  0.15820312,  0.05419922,
        -0.07128906,  0.09814453, -0.09423828,  0.16601562, -0.05249023,
         0.1015625 , -0.41015625, -0.03125   , -0.13671875,  0.04345703,
         0.04052734,  0.04614258,  0.06835938, -0.04907227,  0.2890625 ,
        -0.14550781,  0.04516602,  0.11035156,  0.21582031, -0.21582031,
        -0.08251953,  0.10253906, -0.12988281, -0.08007812,  0.05566406,
         0.09814453,  0.11474609,  0.04223633, -0.16796875, -0.07080078,
         0.01379395, -0.0456543 , -0.00753784,  0.00245667,  0.41210938,
         0.04589844,  0.06884766,  0.01550293, -0.3125    , -0.0006485 ,
         0.09814453,  0.375     ,  0.15820312,  0.05932617,  0.10400391,
         0.03515625, -0.11328125, -0.08251953, -0.01867676,  0.18066406,
         0.09765625, -0.28515625,  0.10058594,  0.13378906,  0.07763672,
         0.10058594, -0.15429688,  0.02832031, -0.18066406,  0.0098877 ,
        -0.44335938,  0.07714844, -0.15917969, -0.1015625 , -0.2109375 ,
         0.03295898,  0.10351562,  0.30273438,  0.06054688, -0.02282715],
       dtype=float32),
 'let': array([ 0.20800781,  0.03979492,  0.25      ,  0.24414062, -0.09033
203,
        -0.08935547,  0.24121094, -0.14160156,  0.13964844,  0.03039551,
        -0.20410156, -0.14160156, -0.03662109, -0.12451172, -0.1328125 ,
         0.10742188,  0.25390625, -0.03063965, -0.02868652, -0.14941406,
         0.09716797, -0.02258301,  0.21386719,  0.16113281,  0.04199219,
         0.09570312,  0.05297852,  0.15429688, -0.18457031, -0.04199219,
        -0.08398438,  0.22949219, -0.08935547, -0.15917969, -0.13769531,
         0.06884766,  0.04663086, -0.05517578, -0.02722168,  0.12207031,
         0.06933594, -0.12158203,  0.29101562, -0.015625  , -0.09765625,
         0.13867188, -0.02282715, -0.04931641,  0.07958984, -0.01843262,
        -0.22558594,  0.13476562,  0.08251953,  0.04370117,  0.0625    ,
         0.05786133, -0.20996094,  0.02111816,  0.0390625 , -0.04370117,
         0.07080078, -0.06445312, -0.0177002 , -0.08691406, -0.15429688,
        -0.08007812, -0.07666016,  0.24414062, -0.02087402, -0.03955078,
         0.05957031,  0.32226562,  0.05004883, -0.10107422, -0.22949219,
        -0.27929688,  0.26757812,  0.13671875,  0.14550781, -0.07128906,
        -0.23339844, -0.04443359,  0.08544922,  0.07421875, -0.1484375 ,
        -0.04541016, -0.05883789,  0.04663086, -0.11962891, -0.00515747,
         0.18554688,  0.23632812, -0.08935547, -0.16699219, -0.03979492,
        -0.08984375, -0.03393555,  0.17285156,  0.08496094, -0.07080078,
        -0.15820312, -0.13964844,  0.01794434,  0.04052734, -0.19042969,
         0.02770996, -0.04345703,  0.01660156,  0.13867188,  0.1640625 ,
        -0.24707031, -0.08398438, -0.08105469, -0.20996094,  0.08300781,
        -0.0222168 ,  0.07080078,  0.00343323,  0.00509644, -0.03063965,
        -0.15722656,  0.24804688, -0.07275391,  0.07861328,  0.06640625,
```

```
        -0.18359375, -0.23925781, -0.14257812, -0.01269531, -0.19433594,
        -0.09814453, -0.06494141, -0.03686523,  0.06445312, -0.07714844,
        -0.01501465,  0.07519531,  0.15429688,  0.109375  , -0.00061417,
         0.07568359, -0.16699219, -0.08886719, -0.19433594,  0.09082031,
         0.27148438, -0.09912109, -0.2578125 ,  0.11914062, -0.14746094,
         0.20117188,  0.00442505, -0.01226807,  0.04125977, -0.13769531,
         0.15039062,  0.13574219, -0.0859375 , -0.18457031, -0.00241089,
         0.15332031, -0.07373047, -0.04150391, -0.03100586,  0.05175781,
        -0.1953125 ,  0.24414062,  0.00279236, -0.04345703, -0.10449219,
        -0.08886719,  0.08251953,  0.09082031,  0.09179688,  0.06201172,
        -0.04736328,  0.17480469, -0.02185059, -0.13183594,  0.02783203,
        -0.2421875 , -0.07568359,  0.12597656,  0.11669922, -0.02502441,
        -0.07617188, -0.20117188, -0.07324219,  0.10839844,  0.10351562,
         0.18652344,  0.14648438,  0.14453125,  0.20117188,  0.04052734,
         0.13867188,  0.03662109, -0.00909424, -0.15527344, -0.13574219,
        -0.01037598,  0.1171875 , -0.07958984,  0.09326172,  0.01513672,
        -0.04052734, -0.0039978 ,  0.09179688,  0.06787109, -0.14648438,
        -0.04760742,  0.14160156,  0.12402344,  0.09375   , -0.06933594,
        -0.12792969,  0.30078125,  0.04370117, -0.17578125, -0.08837891,
        -0.06835938,  0.23925781, -0.08691406, -0.14160156,  0.01434326,
        -0.04858398,  0.28125   ,  0.03149414, -0.10644531, -0.04492188,
        -0.05932617, -0.20800781, -0.00817871, -0.006073  ,  0.25390625,
         0.05371094,  0.0612793 , -0.09375   , -0.02868652,  0.07421875,
        -0.13378906,  0.09326172,  0.07373047, -0.17089844, -0.109375  ,
        -0.01953125, -0.00872803, -0.00552368,  0.10107422,  0.05712891,
         0.21875   , -0.10644531,  0.19042969,  0.10351562,  0.11816406,
        -0.03063965,  0.078125  ,  0.09082031, -0.13476562,  0.00610352,
        -0.23144531,  0.06933594, -0.10351562,  0.00613403,  0.04321289,
         0.0703125 , -0.12011719,  0.10546875, -0.15332031,  0.07226562,
         0.29101562,  0.23632812,  0.15722656, -0.03979492,  0.02294922,
        -0.04052734, -0.0390625 , -0.10107422, -0.07421875, -0.05102539,
         0.01940918, -0.13964844,  0.09765625,  0.20996094,  0.0177002 ,
         0.00415039, -0.09033203, -0.01953125,  0.0703125 , -0.13476562,
        -0.07226562,  0.24121094, -0.04760742,  0.06494141, -0.11767578,
        -0.06835938,  0.12597656, -0.08789062, -0.00418091, -0.09179688],
       dtype=float32),
 'know': array([-0.05493164, -0.1171875 ,  0.02783203,  0.07470703, -0.1972
6562,
         0.09326172,  0.18164062, -0.06176758,  0.10400391, -0.06884766,
        -0.02307129, -0.15039062, -0.07958984,  0.02978516, -0.17285156,
         0.2578125 ,  0.03393555,  0.25195312, -0.06494141, -0.10058594,
        -0.14257812,  0.03222656,  0.16601562, -0.13183594,  0.22949219,
         0.046875  ,  0.00952148, -0.12304688,  0.08203125, -0.24707031,
        -0.13378906,  0.109375  , -0.01287842, -0.03369141,  0.00128937,
         0.04174805,  0.08251953, -0.00650024,  0.05078125,  0.21386719,
         0.04248047, -0.06030273,  0.23339844, -0.12158203, -0.13671875,
        -0.0456543 , -0.06835938, -0.05078125, -0.05541992,  0.03515625,
        -0.06201172,  0.140625  , -0.04516602, -0.15136719, -0.02526855,
         0.05322266, -0.05639648, -0.07910156,  0.16210938,  0.02758789,
        -0.05737305,  0.04907227, -0.08740234, -0.02502441,  0.12695312,
        -0.14550781, -0.07080078,  0.01855469, -0.08154297,  0.03662109,
         0.11865234,  0.19824219,  0.08886719,  0.01831055, -0.26757812,
        -0.09716797,  0.01245117,  0.15136719,  0.0625    ,  0.27929688,
        -0.0859375 , -0.03808594,  0.14355469,  0.08203125, -0.25      ,
        -0.09033203, -0.23339844,  0.17773438,  0.02880859, -0.09716797,
        -0.02929688,  0.05566406, -0.19824219, -0.07275391, -0.00964355,
        -0.17285156,  0.13671875,  0.02172852, -0.07763672, -0.0402832 ,
        -0.19238281, -0.0456543 ,  0.00430298,  0.13867188, -0.04003906,
        -0.09814453, -0.12060547, -0.046875  ,  0.07128906, -0.05786133,
        -0.03979492, -0.06591797, -0.0546875 ,  0.02709961, -0.05615234,
        -0.05102539,  0.08935547, -0.11083984, -0.01623535, -0.05834961,
        -0.24902344,  0.08154297, -0.14160156,  0.28710938, -0.01928711,
        -0.08740234, -0.21289062, -0.01574707, -0.09423828, -0.13378906,
        -0.08642578, -0.28710938, -0.11425781, -0.06176758,  0.2109375 ,
```

```
        -0.22558594,  0.12353516,  0.19042969,  0.03491211,  0.09960938,
         0.02050781,  0.00202942, -0.03833008, -0.16503906,  0.0144043 ,
         0.10107422,  0.09130859, -0.26953125,  0.01159668, -0.10791016,
         0.02819824,  0.14941406, -0.20605469,  0.03271484, -0.0402832 ,
         0.05517578, -0.13378906, -0.00817871, -0.02880859,  0.06298828,
         0.11328125,  0.19140625, -0.05957031,  0.08447266,  0.16992188,
        -0.12988281, -0.02233887, -0.17871094,  0.03686523,  0.02770996,
        -0.14160156,  0.11132812,  0.03076172, -0.17773438, -0.09277344,
        -0.05444336,  0.19042969, -0.03222656, -0.01574707, -0.11132812,
        -0.02929688,  0.03588867,  0.23925781,  0.00476074, -0.04980469,
        -0.09472656, -0.0703125 ,  0.04443359, -0.05053711,  0.15332031,
         0.08056641, -0.01208496,  0.17480469,  0.01782227,  0.18066406,
        -0.01953125,  0.06445312, -0.08789062, -0.02893066, -0.11279297,
         0.06835938,  0.08251953, -0.13476562,  0.09423828, -0.13378906,
         0.01409912, -0.10644531, -0.08398438,  0.05249023, -0.08984375,
         0.03173828,  0.2734375 , -0.0291748 , -0.16308594, -0.24511719,
        -0.02331543,  0.15234375, -0.15625   , -0.15429688, -0.17578125,
        -0.02478027, -0.16796875, -0.1796875 , -0.01165771,  0.19628906,
        -0.08740234,  0.15820312,  0.11230469, -0.15625   , -0.07714844,
         0.0456543 ,  0.02038574, -0.03442383,  0.00172424,  0.14648438,
         0.00939941,  0.03320312, -0.08642578,  0.1484375 , -0.04272461,
        -0.01196289,  0.07080078, -0.09912109,  0.15527344, -0.31445312,
         0.04980469,  0.05932617,  0.17480469,  0.05151367, -0.11865234,
        -0.00671387,  0.12011719,  0.20214844,  0.10351562,  0.05126953,
        -0.08544922, -0.09472656,  0.04492188, -0.13574219, -0.17382812,
        -0.06079102, -0.08935547, -0.19042969,  0.04492188, -0.07275391,
         0.16210938,  0.12109375, -0.0859375 , -0.0625    , -0.02478027,
         0.05371094,  0.109375  ,  0.32226562,  0.09179688, -0.12109375,
        -0.1328125 , -0.01953125, -0.20507812, -0.08007812, -0.15917969,
         0.08007812, -0.10498047,  0.02514648,  0.04492188,  0.13476562,
        -0.11425781, -0.14453125,  0.06054688,  0.09863281,  0.05761719,
         0.09912109,  0.02929688, -0.09570312, -0.06005859, -0.1328125 ,
        -0.21777344,  0.01696777, -0.18652344,  0.15625   , -0.06494141],
       dtype=float32),
 'share': array([-0.05053711, -0.05224609, -0.10107422,  0.16503906, -0.016
11328,
         0.12011719,  0.26171875, -0.03955078,  0.11132812,  0.2734375 ,
        -0.41015625,  0.09570312,  0.16503906,  0.30664062, -0.42382812,
         0.01165771, -0.02709961,  0.20996094,  0.1953125 , -0.11572266,
        -0.15722656, -0.23046875, -0.12597656, -0.34375   ,  0.05615234,
         0.03662109,  0.07128906,  0.12988281,  0.07958984, -0.01080322,
        -0.03442383, -0.13574219, -0.16601562, -0.0168457 , -0.01397705,
        -0.08935547,  0.0480957 , -0.1484375 , -0.05810547,  0.26757812,
        -0.01281738,  0.06982422,  0.12402344,  0.03857422, -0.00346375,
        -0.08544922, -0.09130859,  0.11181641,  0.12597656, -0.00062561,
         0.0279541 , -0.08203125, -0.04882812, -0.0703125 , -0.12060547,
        -0.08496094, -0.16796875, -0.03857422,  0.27148438,  0.07324219,
         0.13867188,  0.04736328, -0.03735352,  0.01477051,  0.09912109,
        -0.22070312, -0.06640625, -0.2578125 ,  0.16015625,  0.1171875 ,
        -0.13574219, -0.29492188,  0.24414062,  0.03833008, -0.03686523,
         0.02514648,  0.05004883, -0.1328125 ,  0.078125  ,  0.14160156,
        -0.06298828,  0.01495361,  0.03344727,  0.19042969, -0.04931641,
        -0.11132812, -0.00891113, -0.24316406, -0.22558594,  0.14257812,
         0.28125   , -0.02636719,  0.00765991, -0.06787109,  0.13964844,
        -0.08203125, -0.18359375,  0.00671387,  0.12695312, -0.07519531,
         0.05932617, -0.12011719, -0.16894531,  0.1953125 ,  0.05053711,
        -0.10546875, -0.06347656,  0.03955078, -0.00244141, -0.04541016,
         0.04956055, -0.0859375 ,  0.06591797, -0.00756836,  0.06054688,
         0.15820312, -0.07763672, -0.19433594, -0.09472656, -0.05371094,
         0.13671875, -0.06347656, -0.24609375, -0.18066406, -0.04101562,
        -0.1015625 ,  0.02770996, -0.2734375 , -0.11669922,  0.19140625,
        -0.00326538, -0.13476562, -0.12988281,  0.12451172,  0.08056641,
        -0.02648926,  0.12158203, -0.01538086, -0.05126953, -0.1953125 ,
         0.20507812, -0.06176758, -0.25585938, -0.15527344, -0.01916504,
```

```
        -0.26757812, -0.00750732, -0.07861328,  0.00212097,  0.14453125,
         0.2890625 ,  0.00460815, -0.09619141, -0.01013184,  0.00546265,
        -0.01379395, -0.01403809, -0.15917969, -0.05737305,  0.06298828,
         0.12890625,  0.23242188, -0.03564453,  0.11621094, -0.12451172,
        -0.0201416 ,  0.10986328, -0.09179688, -0.01104736, -0.02978516,
        -0.22070312, -0.11572266, -0.02636719, -0.27929688, -0.18359375,
        -0.0246582 , -0.00268555,  0.19628906, -0.20507812, -0.07080078,
        -0.3828125 , -0.0546875 ,  0.00387573,  0.14160156,  0.01757812,
        -0.09960938,  0.13574219,  0.04248047,  0.01879883,  0.15527344,
         0.06640625, -0.04101562, -0.13671875, -0.14453125, -0.03015137,
         0.18066406, -0.10449219,  0.05395508, -0.08300781, -0.17285156,
        -0.26757812,  0.08056641,  0.34375   ,  0.03979492, -0.29296875,
        -0.07177734, -0.18945312, -0.10253906,  0.16015625,  0.0267334 ,
        -0.15136719,  0.02319336,  0.02990723,  0.28710938, -0.14941406,
         0.15722656,  0.08691406, -0.11083984,  0.06738281, -0.28515625,
         0.04858398,  0.21386719,  0.0480957 ,  0.00878906, -0.18554688,
        -0.15332031, -0.24316406, -0.20214844,  0.25976562,  0.02197266,
        -0.10302734, -0.03149414,  0.02978516, -0.00619507,  0.24121094,
        -0.06884766,  0.27734375, -0.23144531, -0.12304688,  0.17382812,
         0.16796875, -0.11474609, -0.08007812, -0.04467773,  0.08984375,
         0.11816406, -0.02929688,  0.08056641, -0.24609375,  0.06030273,
         0.09277344,  0.12353516, -0.01733398, -0.00735474,  0.04003906,
         0.04516602,  0.15625   ,  0.00778198, -0.40625   , -0.16601562,
         0.07177734, -0.00750732,  0.03320312,  0.16894531, -0.09619141,
         0.09521484, -0.03564453,  0.14746094, -0.24121094,  0.12597656,
         0.09179688,  0.01989746,  0.04882812, -0.00994873,  0.2578125 ,
         0.12597656, -0.14648438,  0.0546875 , -0.19824219, -0.09326172,
         0.08984375, -0.01342773, -0.26367188,  0.04345703,  0.01757812,
        -0.12402344,  0.11132812,  0.13769531, -0.23632812, -0.17675781,
        -0.01403809,  0.24804688, -0.14355469, -0.03320312,  0.00518799,
        -0.09814453,  0.23046875, -0.09375   , -0.00976562, -0.21386719],
       dtype=float32),
 'passionately': array([-5.66406250e-02,  9.33837891e-03,  6.68945312e-02,
-1.00585938e-01,
        -1.98242188e-01, -7.12890625e-02,  2.48046875e-01, -6.62231445e-03,
         1.26953125e-01, -1.59179688e-01, -4.55078125e-01, -1.04980469e-01,
        -2.62451172e-02,  2.20703125e-01,  3.51562500e-02,  1.90429688e-01,
        -1.30859375e-01,  2.40234375e-01,  8.83789062e-02,  2.57812500e-01,
         6.29882812e-02,  1.40625000e-01,  4.37011719e-02,  1.26342773e-02,
        -6.34765625e-02,  1.09375000e-01,  3.44238281e-02,  4.56542969e-02,
         1.84570312e-01, -2.00195312e-01,  4.73632812e-02,  1.38671875e-01,
        -1.14746094e-01, -1.04980469e-01,  3.98437500e-01,  8.10546875e-02,
         1.79687500e-01,  8.98437500e-02, -7.61718750e-02, -1.02050781e-01,
         9.27734375e-02,  9.96093750e-02, -1.30859375e-01, -1.13769531e-01,
        -2.29492188e-01,  5.39550781e-02, -1.83593750e-01, -8.10546875e-02,
        -6.65283203e-03, -2.28515625e-01,  2.20703125e-01,  2.48046875e-01,
        -1.67968750e-01, -3.05175781e-03, -8.05664062e-02,  8.00781250e-02,
        -9.32617188e-02, -8.30078125e-02, -2.37304688e-01, -2.22656250e-01,
         3.30078125e-01,  1.25976562e-01, -2.36328125e-01, -3.39843750e-01,
        -4.11987305e-04,  6.00585938e-02, -2.18750000e-01,  5.17578125e-02,
         9.27734375e-02,  1.18164062e-01, -8.69140625e-02, -3.83300781e-02,
        -3.90625000e-02,  1.17187500e-02, -2.94921875e-01, -3.94531250e-01,
         2.41210938e-01,  8.15429688e-02,  2.08984375e-01,  2.07031250e-01,
        -1.36718750e-01,  2.50000000e-01,  6.59179688e-02, -3.41796875e-01,
        -5.68847656e-02, -4.90722656e-02, -1.25000000e-01,  2.17773438e-01,
         1.25000000e-01,  2.64892578e-02, -2.36328125e-01,  1.14257812e-01,
        -8.69140625e-02, -3.83300781e-02, -7.51953125e-02,  7.86132812e-02,
         2.25830078e-02, -2.17773438e-01,  3.03955078e-02, -6.98242188e-02,
        -2.67578125e-01,  8.64257812e-02,  2.15820312e-01,  1.06445312e-01,
        -1.19628906e-01,  1.97265625e-01,  6.54296875e-02,  6.64062500e-02,
         2.83203125e-01, -1.66992188e-01, -2.55126953e-02, -6.10351562e-02,
         1.13769531e-01,  2.29492188e-01,  4.39453125e-01,  2.03125000e-01,
         2.03857422e-02, -4.02343750e-01, -8.05664062e-02, -1.68945312e-01,
         8.88671875e-02,  5.46875000e-02, -4.37011719e-02, -7.87353516e-03,
```

```
        -1.89453125e-01, -1.83593750e-01, -1.70898438e-02,  1.51367188e-01,
        -8.00781250e-02,  8.93554688e-02, -2.81982422e-02, -2.39257812e-01,
        -2.96875000e-01, -1.77734375e-01, -5.49316406e-02,  9.81445312e-02,
         1.56250000e-02, -3.27148438e-02, -5.83496094e-02,  2.08007812e-01,
         1.87500000e-01,  5.00488281e-02,  1.91406250e-01, -1.42578125e-01,
        -7.71484375e-02,  6.49414062e-02, -1.51367188e-01,  2.02148438e-01,
         5.29785156e-02, -3.57055664e-03,  1.59179688e-01,  2.08984375e-01,
        -5.63964844e-02,  1.58691406e-02, -6.05468750e-02,  1.95312500e-01,
        -1.92382812e-01, -4.93164062e-02,  3.56445312e-02, -1.09863281e-01,
        -1.62109375e-01, -7.95898438e-02,  1.51367188e-01,  3.28125000e-01,
        -3.12500000e-02,  5.07812500e-02, -6.39648438e-02,  1.00585938e-01,
        -5.71289062e-02, -1.37695312e-01,  2.08984375e-01,  1.69921875e-01,
         4.56542969e-02, -1.76757812e-01, -6.22558594e-02, -1.16210938e-01,
        -2.09960938e-01,  9.66796875e-02, -1.59179688e-01,  5.79833984e-03,
        -1.63085938e-01, -1.02539062e-01,  3.90625000e-02, -2.85156250e-01,
         8.78906250e-02, -7.71484375e-02, -1.56250000e-01,  1.16699219e-01,
        -2.31445312e-01,  1.67236328e-02,  8.44726562e-02,  9.42382812e-02,
         2.15820312e-01, -3.88183594e-02,  1.65039062e-01,  1.32812500e-01,
        -2.02148438e-01,  2.09960938e-01,  1.39648438e-01,  1.67968750e-01,
        -1.61132812e-01,  8.17871094e-03,  2.10937500e-01, -2.12890625e-01,
        -1.24511719e-02, -3.20312500e-01,  8.30078125e-03,  7.61718750e-02,
        -1.95312500e-01, -3.14453125e-01, -1.24023438e-01, -7.81250000e-02,
        -9.42382812e-02, -1.84570312e-01, -2.16796875e-01, -1.34765625e-01,
         4.00390625e-02, -1.17187500e-01,  1.89208984e-02,  2.47802734e-02,
        -3.66210938e-02, -3.83300781e-02, -1.01562500e-01,  1.59179688e-01,
         1.66015625e-01, -3.75976562e-02,  1.42578125e-01, -3.43750000e-01,
         2.11914062e-01,  1.31835938e-02, -1.05957031e-01, -1.84570312e-01,
         5.05371094e-02,  4.17480469e-02,  2.59765625e-01, -5.02929688e-02,
        -9.03320312e-02,  1.61132812e-01,  1.25000000e-01, -3.67187500e-01,
        -1.82617188e-01, -9.86328125e-02, -2.53906250e-01,  2.14843750e-02,
        -8.49609375e-02,  1.99218750e-01,  3.90625000e-02, -8.93554688e-02,
        -3.12500000e-01,  3.90625000e-02,  5.68847656e-02,  2.63671875e-01,
         3.28063965e-03,  2.67333984e-02,  2.71484375e-01, -3.33984375e-01,
        -8.25195312e-02, -6.12792969e-02, -1.12792969e-01,  1.02050781e-01,
        -1.44531250e-01,  6.54296875e-02, -2.92968750e-02,  1.79687500e-01,
        -1.57226562e-01,  1.09375000e-01, -5.98144531e-02,  1.44531250e-01,
        -8.49609375e-02,  1.32446289e-02,  1.01562500e-01, -1.55273438e-01,
        -8.69140625e-02,  1.37695312e-01, -1.32446289e-02, -2.18750000e-01,
        -3.04687500e-01,  1.95312500e-01, -2.73437500e-01, -5.22460938e-02,
         2.00195312e-01, -7.91015625e-02,  1.71875000e-01,  2.45117188e-01,
         2.57812500e-01,  1.79443359e-02, -2.92968750e-01, -5.98144531e-03,
         1.26953125e-01,  1.01562500e-01, -1.79687500e-01, -1.57226562e-01,
        -2.01171875e-01, -1.34765625e-01, -1.02539062e-01, -1.41601562e-01,
         2.20703125e-01, -9.37500000e-02,  1.83593750e-01,  2.86865234e-0
2],
       dtype=float32),
 'improving': array([-4.25781250e-01,  2.65625000e-01, -6.44531250e-02, -7.
32421875e-02,
        -2.51953125e-01,  2.57812500e-01, -1.90429688e-01, -4.51660156e-02,
         1.30859375e-01,  1.38671875e-01, -1.39648438e-01, -9.27734375e-02,
         2.06054688e-01,  3.20312500e-01, -3.61328125e-02, -4.23828125e-01,
        -4.24194336e-03,  9.76562500e-02, -5.63964844e-02,  1.03759766e-02,
         9.37500000e-02,  7.61718750e-02, -1.59179688e-01,  4.80957031e-02,
         5.34667969e-02,  4.54101562e-02, -1.31835938e-01,  1.81640625e-01,
        -1.99218750e-01,  8.83789062e-02, -6.93359375e-02, -2.71484375e-01,
         3.06396484e-02, -1.86523438e-01,  1.84570312e-01,  1.15234375e-01,
         9.46044922e-03,  2.01416016e-02,  2.11914062e-01,  1.44531250e-01,
        -1.05468750e-01,  1.97753906e-02,  7.76367188e-02,  2.71484375e-01,
        -5.61523438e-02, -2.67578125e-01,  3.02734375e-01,  2.53906250e-01,
         9.17968750e-02, -9.81445312e-02,  2.17773438e-01,  2.61718750e-01,
        -1.14257812e-01, -1.28906250e-01,  1.77001953e-02,  1.10351562e-01,
        -1.93359375e-01, -6.54296875e-02,  1.95312500e-02, -1.66992188e-01,
        -5.73730469e-02,  3.49609375e-01, -3.12500000e-01, -2.48046875e-01,
         2.50000000e-01,  2.15820312e-01, -1.61132812e-01,  1.73950195e-03,
```

```
        -9.86328125e-02,  1.87988281e-02, -2.81250000e-01, -1.11328125e-01,
        -2.84423828e-02,  1.32812500e-01, -1.48437500e-01, -2.19726562e-01,
         3.04687500e-01, -3.03955078e-02,  6.05468750e-02,  2.44140625e-01,
         5.78613281e-02,  3.36914062e-02, -9.03320312e-02,  4.41894531e-02,
         2.01171875e-01,  3.58886719e-02, -2.94921875e-01,  1.06445312e-01,
        -1.21582031e-01,  1.69921875e-01,  2.85156250e-01, -7.71484375e-02,
         1.99890137e-03, -2.91015625e-01, -2.47070312e-01, -1.40625000e-01,
         1.12304688e-01,  6.44531250e-02, -1.56250000e-01,  1.09863281e-03,
        -4.68750000e-02, -8.10546875e-02,  2.98828125e-01, -5.49316406e-03,
        -3.32031250e-02,  6.54296875e-02, -8.05664062e-02, -1.68945312e-01,
        -7.47070312e-02, -1.73828125e-01,  2.06054688e-01,  1.27929688e-01,
        -2.24609375e-01,  1.32751465e-03,  9.08203125e-02, -7.22656250e-02,
         1.00585938e-01, -2.09960938e-01,  9.96093750e-02,  6.83593750e-02,
        -2.16796875e-01,  2.09960938e-01, -7.12890625e-02,  6.05468750e-02,
        -3.14453125e-01, -1.83593750e-01, -1.20605469e-01,  5.76171875e-02,
        -1.85546875e-01,  2.11914062e-01, -2.51770020e-03,  8.64257812e-02,
        -1.38671875e-01, -4.05273438e-02, -8.20312500e-02, -8.15429688e-02,
         7.81250000e-02, -3.63769531e-02, -1.81640625e-01,  1.63085938e-01,
        -8.93554688e-02,  1.09375000e-01, -7.32421875e-02,  1.63085938e-01,
        -1.86523438e-01, -2.26562500e-01, -2.67333984e-02, -3.22265625e-01,
         2.63671875e-01, -1.41601562e-01, -5.95703125e-02,  2.27050781e-02,
        -2.25585938e-01,  1.64062500e-01, -1.08718872e-04,  2.28515625e-01,
         6.78710938e-02,  4.90722656e-02,  6.68334961e-03, -2.70996094e-02,
         1.55273438e-01,  6.98242188e-02,  1.23535156e-01, -3.17382812e-02,
        -1.19628906e-01,  1.01562500e-01, -1.06933594e-01, -1.31835938e-01,
         1.60156250e-01, -2.96875000e-01, -5.54199219e-02,  3.90625000e-02,
        -2.28515625e-01,  1.93359375e-01,  1.57226562e-01,  1.67968750e-01,
         1.69921875e-01, -1.17187500e-01, -1.25976562e-01,  1.69677734e-02,
        -2.26562500e-01, -2.28515625e-01,  2.47070312e-01,  5.46875000e-02,
        -1.95312500e-01,  1.16699219e-01, -1.98242188e-01,  1.47460938e-01,
        -1.60156250e-01, -3.39355469e-02, -1.42578125e-01,  9.42382812e-02,
         5.02929688e-02, -5.59082031e-02, -1.37695312e-01, -2.06054688e-01,
         1.00585938e-01, -3.29589844e-02,  1.54296875e-01,  7.42187500e-02,
        -2.26562500e-01,  4.98046875e-02, -4.56542969e-02, -3.49609375e-01,
         1.38549805e-02, -1.14746094e-01, -1.17675781e-01, -1.37695312e-01,
        -5.95703125e-02,  4.49218750e-02,  3.41796875e-02, -1.25976562e-01,
        -1.18164062e-01,  1.92382812e-01,  1.50390625e-01,  7.56835938e-03,
         1.25000000e-01,  1.03149414e-02,  2.78320312e-02,  4.98046875e-02,
        -2.45361328e-02,  5.24902344e-02,  9.71679688e-02,  1.42578125e-01,
        -3.88183594e-02, -4.66308594e-02, -3.85742188e-02, -6.34765625e-02,
        -2.05078125e-01,  1.03515625e-01, -3.54003906e-02, -1.08886719e-01,
         1.12792969e-01,  2.27539062e-01, -1.36718750e-01, -2.01171875e-01,
        -2.63671875e-01, -3.95507812e-02, -3.24707031e-02, -4.48608398e-03,
         2.09960938e-02,  1.82617188e-01, -1.38671875e-01, -3.51562500e-02,
         9.52148438e-02, -2.55859375e-01, -1.47460938e-01, -9.27734375e-02,
        -2.67578125e-01, -2.53906250e-01, -2.32421875e-01,  1.37695312e-01,
         5.44433594e-02,  1.25976562e-01, -7.27539062e-02, -2.29492188e-02,
         1.21093750e-01,  2.35351562e-01, -8.69140625e-02,  8.34960938e-02,
         3.95507812e-02,  4.02832031e-02,  7.86132812e-02,  6.07910156e-02,
         2.07031250e-01, -2.46582031e-02,  5.34057617e-03, -2.71484375e-01,
        -1.42578125e-01, -1.61132812e-01, -1.83105469e-02,  1.48437500e-01,
        -1.23046875e-01, -2.94921875e-01,  1.28784180e-02, -1.14746094e-02,
         5.59082031e-02, -1.38671875e-01, -8.64257812e-02,  4.88281250e-02,
         4.88281250e-02, -1.46484375e-01, -8.44726562e-02,  1.63574219e-02,
        -7.32421875e-02,  1.02050781e-01, -6.98242188e-02,  2.01171875e-01,
         3.98437500e-01,  1.04492188e-01, -1.07910156e-01,  2.06054688e-01,
        -1.34765625e-01, -1.95312500e-01,  6.07299805e-03,  3.83300781e-02,
         7.93457031e-03, -1.23535156e-01,  9.66796875e-02, -5.20019531e-0
2],
       dtype=float32),
 'gift': array([ 2.19726562e-01,  3.51562500e-02,  6.43920898e-03,  3.18359
375e-01,
         1.37695312e-01,  1.56250000e-02,  9.17968750e-02, -2.05078125e-01,
        -4.73632812e-02,  1.23535156e-01, -6.34765625e-02, -1.67968750e-01,
```

```
-1.59179688e-01,  1.80664062e-01,  3.08227539e-03,  1.25000000e-01,
 2.88085938e-02,  2.32421875e-01, -5.00488281e-02, -9.32617188e-02,
 3.51562500e-01,  1.16699219e-01,  1.41601562e-01, -7.95898438e-02,
 2.35351562e-01, -1.29394531e-02, -5.44433594e-02, -1.23535156e-01,
-4.88281250e-02, -1.90429688e-01, -3.34472656e-02, -1.36718750e-01,
-2.79296875e-01,  5.61523438e-02,  8.93554688e-02,  2.91748047e-02,
 7.56835938e-02, -4.27734375e-01, -1.57226562e-01, -3.93066406e-02,
-1.52343750e-01,  2.08984375e-01, -6.54296875e-02, -1.13769531e-01,
 1.26953125e-01, -3.06640625e-01, -3.97949219e-02,  2.32421875e-01,
-2.32421875e-01, -1.84326172e-02, -2.63671875e-02, -1.63085938e-01,
-1.21582031e-01,  7.81250000e-02,  5.02929688e-02,  3.19824219e-02,
 2.65502930e-03, -1.99218750e-01, -8.73565674e-04, -3.46679688e-02,
 2.29492188e-02, -5.49316406e-02,  9.57031250e-02, -3.85742188e-02,
 2.53906250e-02, -7.81250000e-02, -2.57812500e-01, -2.53906250e-01,
-1.02050781e-01,  1.91406250e-01,  3.49609375e-01, -1.90429688e-01,
-1.67236328e-02, -1.75781250e-01,  1.40625000e-01, -5.02929688e-02,
-1.29882812e-01,  2.31445312e-01, -1.15356445e-02,  2.36328125e-01,
-4.66308594e-02, -2.89062500e-01,  2.23632812e-01,  6.65283203e-03,
-1.70898438e-01, -1.68457031e-02, -7.81250000e-02, -1.03515625e-01,
 4.51660156e-02,  1.58203125e-01, -6.03027344e-02,  2.00195312e-01,
-2.34375000e-01, -8.74023438e-02,  1.63085938e-01, -8.83789062e-02,
 1.28173828e-02,  2.71484375e-01, -2.08740234e-02, -1.47460938e-01,
-1.26953125e-01, -6.86645508e-03,  6.54296875e-02, -1.36718750e-01,
 5.76171875e-02, -9.81445312e-02,  3.22265625e-01, -5.85937500e-02,
-1.69921875e-01, -9.13085938e-02, -1.66015625e-02,  7.17773438e-02,
 1.31835938e-01,  2.29492188e-01,  1.96289062e-01,  4.79125977e-03,
-1.20849609e-02,  3.28063965e-04,  2.07031250e-01,  1.91406250e-01,
 1.06445312e-01,  6.12792969e-02, -2.09960938e-02,  3.32031250e-02,
-1.34765625e-01, -1.63574219e-02,  2.02148438e-01, -2.55859375e-01,
 1.82617188e-01,  5.76171875e-02, -1.02539062e-01, -7.38525391e-03,
-1.20117188e-01, -9.71679688e-02, -8.74023438e-02,  1.55273438e-01,
-2.29492188e-01,  1.74804688e-01,  1.42578125e-01,  7.76367188e-02,
-1.58203125e-01, -2.06054688e-01,  8.64257812e-02, -1.70898438e-01,
 8.39843750e-02, -1.31835938e-01,  1.54296875e-01, -8.25195312e-02,
-1.60156250e-01, -9.96093750e-02,  1.61132812e-01,  1.42578125e-01,
-2.85156250e-01,  8.83789062e-02,  3.61328125e-01, -1.44531250e-01,
-2.48718262e-03,  1.22680664e-02, -3.32031250e-01, -6.93359375e-02,
-1.61132812e-01, -2.57812500e-01,  1.36718750e-01,  3.08593750e-01,
-2.45117188e-01, -6.93359375e-02,  2.53906250e-01, -2.21679688e-01,
-3.28125000e-01,  2.08984375e-01, -3.93676758e-03, -3.85742188e-02,
-2.06054688e-01, -3.08593750e-01, -2.00195312e-01,  5.19531250e-01,
 2.14843750e-01,  2.18505859e-02,  1.24023438e-01,  7.81250000e-02,
-2.55859375e-01, -1.14746094e-01,  6.78710938e-02, -1.81640625e-01,
-1.36718750e-01, -2.26562500e-01, -1.19628906e-01,  8.15429688e-02,
 8.23974609e-03,  2.81250000e-01, -1.45507812e-01,  2.53906250e-01,
 5.41992188e-02,  2.79541016e-02, -1.67968750e-01,  3.05175781e-02,
 1.26953125e-01, -8.15429688e-02, -2.85156250e-01, -3.49609375e-01,
-3.02734375e-01,  1.31988525e-03, -2.69531250e-01, -7.32421875e-02,
-2.19726562e-02,  6.29882812e-02, -4.88281250e-02,  1.48437500e-01,
-9.42382812e-02, -5.61523438e-02, -2.03857422e-02,  1.28906250e-01,
-7.37304688e-02,  1.76757812e-01,  5.00488281e-02,  4.33593750e-01,
 2.23632812e-01,  3.10546875e-01, -6.59179688e-02,  2.96875000e-01,
-1.30859375e-01,  1.13769531e-01,  2.40478516e-02, -3.41796875e-01,
-2.72216797e-02,  9.91210938e-02, -1.25976562e-01, -2.78320312e-02,
-2.99072266e-02,  1.10351562e-01, -2.01171875e-01,  1.98242188e-01,
-2.51953125e-01, -1.53320312e-01,  3.41796875e-01,  1.20605469e-01,
 2.70996094e-02, -2.77343750e-01,  1.97753906e-02,  2.03125000e-01,
 1.61132812e-01, -1.21459961e-02,  2.14843750e-02, -1.92382812e-01,
-1.16577148e-02,  1.44531250e-01, -6.50024414e-03, -1.79687500e-01,
 4.82421875e-01, -2.44140625e-01,  3.07617188e-02,  4.27246094e-03,
 2.22656250e-01, -3.63769531e-02, -9.91210938e-02,  6.54296875e-02,
-1.37939453e-02,  1.68457031e-02, -2.44140625e-01, -3.85742188e-02,
 4.41894531e-02,  1.75781250e-01, -3.49609375e-01, -3.43750000e-01,
-1.99218750e-01,  1.55639648e-02, -1.87988281e-02,  9.86328125e-02,
```

```
        -3.55468750e-01,  4.19921875e-02, -1.75781250e-01, -8.64257812e-02,
        -5.10253906e-02,  2.63671875e-02,  1.33789062e-01, -1.54296875e-01,
         1.24023438e-01, -1.91497803e-03, -7.47070312e-02,  2.29492188e-01,
         5.05371094e-02,  9.86328125e-02,  3.56445312e-02,  2.59765625e-01,
         1.38671875e-01,  2.01171875e-01,  3.17382812e-02,  6.83593750e-03,
         1.55273438e-01, -4.80957031e-02, -8.59375000e-02, -2.79235840e-03,
        -2.32421875e-01, -2.45117188e-01,  1.15234375e-01, -1.60156250e-01,
        -4.85229492e-03,  2.45117188e-01,  5.10253906e-02, -2.17285156e-0
2],
       dtype=float32),
 'would': array([ 0.08935547,  0.12988281,  0.21289062,  0.17773438, -0.113
28125,
        -0.09472656,  0.09179688, -0.02966309,  0.02770996,  0.09326172,
        -0.06884766, -0.10107422, -0.03125   , -0.05664062,  0.01708984,
         0.11083984,  0.08251953,  0.11523438,  0.05297852,  0.01635742,
        -0.07226562, -0.00921631,  0.12792969, -0.09570312,  0.02124023,
        -0.09667969, -0.22851562,  0.02441406, -0.12207031,  0.13964844,
         0.02246094,  0.02246094, -0.05493164,  0.02856445,  0.02929688,
         0.07080078,  0.1640625 ,  0.04907227, -0.06494141,  0.0111084 ,
         0.0703125 , -0.04345703,  0.24609375, -0.14941406, -0.09521484,
        -0.03979492,  0.12402344,  0.05151367,  0.06298828, -0.17871094,
        -0.08496094, -0.05810547,  0.12988281,  0.07666016,  0.14550781,
         0.0546875 , -0.00543213,  0.04150391,  0.06298828,  0.00144958,
         0.02832031, -0.04541016, -0.11328125, -0.08105469, -0.0859375 ,
         0.01019287, -0.02368164,  0.21289062,  0.06030273, -0.01184082,
         0.01074219,  0.08105469,  0.17382812,  0.10253906, -0.24316406,
        -0.17480469,  0.17578125,  0.23632812,  0.15039062, -0.03149414,
         0.11914062, -0.0703125 , -0.02832031,  0.13964844, -0.09033203,
         0.04174805,  0.06542969,  0.20507812,  0.09960938,  0.10839844,
         0.17675781, -0.0546875 , -0.02062988, -0.20214844,  0.05639648,
        -0.11572266, -0.03637695,  0.15429688, -0.04418945,  0.00454712,
         0.04199219,  0.02856445, -0.19238281,  0.03613281, -0.10009766,
         0.10351562, -0.04516602, -0.24023438, -0.00964355, -0.09472656,
        -0.14941406, -0.07958984, -0.0279541 ,  0.04833984,  0.203125  ,
        -0.05126953,  0.04223633,  0.04443359,  0.10009766,  0.04321289,
         0.02160645,  0.09277344, -0.04345703,  0.03686523, -0.14355469,
        -0.14648438,  0.1328125 , -0.08935547, -0.00108337, -0.11767578,
        -0.11572266,  0.03027344, -0.15722656, -0.02746582, -0.05810547,
        -0.14257812,  0.04296875, -0.08642578,  0.04980469,  0.07324219,
        -0.0019455 , -0.20605469,  0.05810547, -0.07421875,  0.19726562,
         0.07910156, -0.17675781, -0.23144531, -0.08691406, -0.01281738,
        -0.05908203,  0.07861328, -0.07275391, -0.01031494,  0.12207031,
         0.15039062, -0.01745605,  0.04711914, -0.09765625,  0.01184082,
         0.06347656, -0.10351562,  0.11181641,  0.13183594, -0.03417969,
        -0.08251953,  0.08154297,  0.09521484,  0.09814453, -0.01538086,
         0.03979492, -0.04833984, -0.14941406, -0.14941406,  0.05957031,
        -0.09277344,  0.13867188,  0.03271484, -0.04394531,  0.17773438,
        -0.13378906,  0.08398438, -0.01599121,  0.11523438,  0.15332031,
        -0.11474609,  0.04736328,  0.00512695,  0.28125   ,  0.10546875,
         0.01391602,  0.00891113,  0.00546265,  0.04345703,  0.09570312,
         0.06176758, -0.00386047,  0.01806641, -0.04321289, -0.28320312,
         0.0625    ,  0.15722656,  0.07177734,  0.02966309, -0.03491211,
         0.18652344, -0.12988281,  0.00762939,  0.23144531, -0.05664062,
        -0.09423828, -0.01251221,  0.12792969,  0.10742188, -0.09277344,
        -0.03369141,  0.26757812, -0.06884766, -0.18554688,  0.01293945,
         0.06689453, -0.02734375, -0.10058594, -0.125     ,  0.05371094,
        -0.18066406,  0.19238281,  0.15039062, -0.05053711,  0.09619141,
         0.10351562, -0.01855469,  0.04443359, -0.00463867,  0.15625   ,
        -0.09814453, -0.02856445, -0.11376953,  0.21386719, -0.11767578,
         0.00970459, -0.10791016,  0.22070312, -0.09521484,  0.00805664,
        -0.109375  ,  0.03100586, -0.05737305,  0.06054688, -0.01177979,
        -0.01745605, -0.12890625,  0.19042969,  0.04272461,  0.05541992,
         0.09765625,  0.06884766,  0.16113281, -0.19628906, -0.08154297,
         0.00270081,  0.01409912, -0.10839844,  0.24121094,  0.0279541 ,
```

```
         0.19628906, -0.04931641,  0.05419922, -0.05419922,  0.10205078,
         0.32226562, -0.06347656,  0.14648438,  0.125     ,  0.16308594,
        -0.02685547,  0.04516602,  0.03088379,  0.07373047,  0.05200195,
        -0.09521484,  0.07617188, -0.12890625,  0.03295898,  0.03222656,
        -0.13867188,  0.07275391, -0.06640625,  0.15136719, -0.00836182,
        -0.26757812,  0.08789062, -0.07128906,  0.13085938,  0.06176758,
         0.1875    ,  0.03930664, -0.15234375,  0.00552368, -0.10058594],
       dtype=float32),
 'like': array([ 1.03515625e-01,  1.37695312e-01, -2.97546387e-03,  1.81640
625e-01,
        -2.43186951e-04,  1.06933594e-01,  1.97265625e-01,  7.50732422e-03,
        -8.44726562e-02,  1.36718750e-01, -2.44140625e-03, -5.29785156e-02,
        -2.24609375e-02, -4.17480469e-02, -1.59179688e-01,  8.20312500e-02,
         7.95898438e-02,  2.50000000e-01,  4.97436523e-03, -6.00585938e-02,
        -1.22070312e-01,  9.81445312e-02, -9.09423828e-03,  1.26342773e-02,
         1.54296875e-01,  3.75976562e-02, -2.18505859e-02, -1.53808594e-02,
        -8.66699219e-03,  9.13085938e-02, -8.54492188e-02, -1.84326172e-02,
         4.07714844e-02, -7.22656250e-02, -3.17382812e-02, -3.61328125e-02,
         1.60156250e-01,  4.49218750e-02,  7.56835938e-03,  1.64062500e-01,
         1.77734375e-01, -7.61718750e-02,  2.15820312e-01, -6.17675781e-02,
         3.17382812e-02, -8.78906250e-02,  7.72094727e-03, -1.58691406e-02,
         1.17187500e-01, -1.57928467e-03, -1.24511719e-01,  1.28906250e-01,
        -1.43554688e-01, -8.93554688e-02, -9.37500000e-02,  1.40625000e-01,
         4.15039062e-02,  1.02539062e-01,  2.18750000e-01, -6.78710938e-02,
        -3.22265625e-02,  4.51660156e-02, -5.59082031e-02, -1.17492676e-03,
        -1.22070312e-01, -5.29785156e-02, -6.44531250e-02,  1.66015625e-01,
        -1.99218750e-01,  1.02050781e-01,  1.09863281e-01, -6.22558594e-02,
         1.59179688e-01, -3.41796875e-02, -2.40234375e-01, -1.21093750e-01,
         6.73828125e-02,  1.33789062e-01,  6.34765625e-02,  1.01562500e-01,
         5.54199219e-02,  6.83593750e-02,  7.27539062e-02, -9.91210938e-02,
        -2.14843750e-01,  2.66113281e-02,  2.16064453e-02,  3.15856934e-03,
         7.03125000e-02,  3.17382812e-02,  3.90625000e-02,  1.02050781e-01,
        -8.20312500e-02,  9.70458984e-03, -1.10839844e-01, -2.80761719e-02,
         2.27539062e-01,  1.70898438e-03, -4.98046875e-02, -8.10546875e-02,
        -1.54296875e-01,  9.03320312e-03, -7.99560547e-03,  1.48437500e-01,
        -3.06396484e-02,  8.39843750e-02, -1.03759766e-02, -7.37304688e-02,
        -2.53906250e-02,  1.59912109e-02, -1.65039062e-01,  1.22558594e-01,
        -1.11328125e-01, -3.46679688e-02,  1.74804688e-01, -1.19628906e-01,
        -1.16699219e-01, -5.93261719e-02,  1.04003906e-01, -6.03027344e-02,
        -9.81445312e-02, -4.41894531e-02, -6.39648438e-02,  4.73632812e-02,
        -8.00781250e-02, -7.56835938e-02, -1.23901367e-02, -1.73950195e-03,
         9.13085938e-02, -5.63964844e-02, -8.44726562e-02, -1.97265625e-01,
         7.38525391e-03,  1.91406250e-01, -2.38037109e-03, -1.98974609e-02,
        -5.85937500e-03,  3.14941406e-02, -4.98046875e-02,  1.85546875e-01,
         6.88476562e-02, -3.10058594e-02,  1.01074219e-01,  1.62109375e-01,
         2.37304688e-01, -3.07617188e-02, -1.84326172e-02, -1.64062500e-01,
         3.80859375e-02, -8.30078125e-02,  7.91015625e-02,  1.58203125e-01,
        -3.08593750e-01,  1.11328125e-01, -1.31835938e-01, -5.93261719e-02,
        -1.93359375e-01, -3.46679688e-02,  2.83203125e-02, -1.91650391e-02,
         1.33789062e-01, -2.49023438e-02, -6.00585938e-02,  1.07910156e-01,
         2.79296875e-01, -5.24902344e-02, -4.02832031e-02, -1.63085938e-01,
         1.84326172e-02,  1.04980469e-01, -1.49414062e-01,  2.62451172e-02,
        -2.00195312e-02, -1.69677734e-02, -2.08007812e-01,  7.17773438e-02,
         6.44531250e-02, -6.64062500e-02, -1.77001953e-02,  1.49414062e-01,
        -1.06445312e-01, -1.35742188e-01, -1.44042969e-02, -7.75146484e-03,
        -5.10253906e-02, -5.51757812e-02, -2.96630859e-02,  2.65502930e-03,
        -2.11181641e-02, -3.06396484e-02,  4.80957031e-02, -4.07714844e-02,
         2.90527344e-02, -1.17187500e-01, -5.31005859e-03, -6.78710938e-02,
        -6.17675781e-02, -4.95605469e-02, -9.46044922e-03, -1.70898438e-01,
         1.45507812e-01,  6.34765625e-02, -5.29785156e-02, -5.00488281e-02,
         9.37500000e-02,  3.73535156e-02, -1.21093750e-01, -1.58203125e-01,
        -1.22558594e-01,  3.51562500e-02,  9.86328125e-02,  6.00585938e-02,
        -9.22851562e-02,  3.66210938e-02,  1.15234375e-01, -2.34375000e-02,
         1.59179688e-01, -8.10546875e-02, -9.42382812e-02, -8.64257812e-02,
```

```
        -6.39648438e-02,  1.20605469e-01, -1.25000000e-01, -5.32226562e-02,
         1.55273438e-01, -1.26953125e-01,  6.39648438e-02,  1.00708008e-02,
        -3.06396484e-02,  8.49609375e-02,  3.85742188e-02,  5.81054688e-02,
         7.27539062e-02,  6.00585938e-02,  1.72851562e-01,  8.20312500e-02,
        -4.18090820e-03, -2.62451172e-03,  1.82617188e-01,  5.32226562e-02,
         1.23535156e-01,  7.66601562e-02,  1.19018555e-02,  4.88281250e-02,
        -3.54003906e-02,  1.67236328e-02,  1.08398438e-01, -1.91650391e-02,
        -2.28515625e-01, -1.30859375e-01,  2.74658203e-03,  1.63085938e-01,
         2.94921875e-01,  2.67333984e-02,  1.06445312e-01, -1.10839844e-01,
        -1.42578125e-01, -1.48315430e-02,  1.91650391e-02, -2.26562500e-01,
        -1.41601562e-01,  1.98974609e-02, -7.66601562e-02,  1.79443359e-02,
        -5.10253906e-02,  1.61132812e-02,  7.08007812e-02,  8.11767578e-03,
        -9.22851562e-02,  8.98437500e-02,  2.66113281e-02,  6.93359375e-02,
         4.08203125e-01,  2.79541016e-02,  3.34472656e-02, -2.79296875e-01,
        -1.20605469e-01, -5.24902344e-02, -6.93359375e-02, -8.15429688e-02,
        -1.01562500e-01,  7.37304688e-02, -4.00390625e-02,  8.98437500e-02,
         8.17871094e-03,  6.78710938e-02, -2.37304688e-01, -2.16796875e-01,
         7.32421875e-02,  2.54821777e-03, -1.31988525e-03,  4.27246094e-02,
        -3.75976562e-02,  4.95605469e-02, -5.17578125e-02, -4.34570312e-02,
         1.19628906e-01,  4.39453125e-02, -1.45507812e-01,  7.12890625e-0
2],
       dtype=float32),
 'request': array([-1.78710938e-01,  1.76757812e-01, -3.05175781e-03, -1.14
746094e-02,
        -1.10839844e-01,  3.51562500e-02,  1.89453125e-01, -3.01513672e-02,
         9.57031250e-02, -1.16210938e-01, -1.04980469e-01, -5.37109375e-03,
        -1.02050781e-01, -1.93359375e-01, -2.53906250e-01,  3.80859375e-01,
         5.71289062e-02, -1.56250000e-01, -2.20703125e-01,  1.37695312e-01,
         2.08984375e-01,  4.15039062e-02, -3.61328125e-02, -1.41601562e-02,
        -2.29492188e-02, -8.10546875e-02,  2.33398438e-01,  2.23632812e-01,
        -6.07910156e-02,  2.87109375e-01,  8.25195312e-02, -2.29492188e-01,
        -2.05078125e-01,  7.56835938e-02,  6.83593750e-02, -1.41601562e-01,
         2.32421875e-01,  1.43554688e-01, -2.42187500e-01, -1.29882812e-01,
         8.54492188e-02,  1.29882812e-01,  4.34570312e-02, -1.42578125e-01,
         7.75146484e-03, -1.64062500e-01, -4.98046875e-02, -6.93359375e-02,
        -2.37304688e-01,  2.19726562e-01, -6.98242188e-02, -3.49609375e-01,
        -1.58203125e-01,  1.76757812e-01, -1.12792969e-01,  1.68945312e-01,
        -2.81250000e-01,  1.88476562e-01,  5.31005859e-03, -3.00292969e-02,
        -9.27734375e-03, -2.07901001e-04, -1.33789062e-01,  9.03320312e-02,
         4.18090820e-03, -1.51367188e-01, -9.37500000e-02, -1.09863281e-01,
        -3.97949219e-02, -1.37695312e-01,  8.59375000e-02, -3.26171875e-01,
        -9.96093750e-02,  1.74804688e-01,  2.22167969e-02,  4.34570312e-02,
         3.22265625e-01, -2.01171875e-01,  1.05468750e-01,  2.26562500e-01,
         3.53515625e-01, -2.78320312e-02,  1.43554688e-01,  2.41210938e-01,
         1.05468750e-01, -1.12304688e-01, -2.65625000e-01,  1.24511719e-02,
         1.59179688e-01,  8.44726562e-02,  1.78710938e-01,  1.35742188e-01,
        -9.08203125e-02, -2.59765625e-01, -6.34765625e-02,  8.11767578e-03,
        -3.75976562e-02, -9.88769531e-03, -1.93359375e-01, -2.11914062e-01,
         6.17675781e-02,  1.28784180e-02,  6.20117188e-02,  7.95898438e-02,
         2.79541016e-02,  1.34765625e-01, -1.02050781e-01, -5.56640625e-02,
         1.15722656e-01,  1.28906250e-01,  6.64062500e-02, -1.80664062e-01,
        -3.54003906e-02, -5.24902344e-02, -3.12500000e-02, -5.59082031e-02,
         1.24511719e-02,  1.16577148e-02,  5.11718750e-01,  1.84326172e-02,
         8.62121582e-04,  2.28271484e-02, -2.49023438e-02,  2.28515625e-01,
        -9.87052917e-05,  6.34765625e-02,  4.19921875e-02, -2.89062500e-01,
         3.12500000e-01,  5.05371094e-02,  7.71484375e-02,  5.88378906e-02,
         8.78906250e-03, -1.69921875e-01,  1.67236328e-02, -1.01562500e-01,
        -2.61718750e-01, -5.32226562e-02,  3.58886719e-02,  2.09960938e-01,
        -2.79541016e-02,  1.19140625e-01, -2.18750000e-01, -2.12890625e-01,
         1.10839844e-01, -9.13085938e-02, -3.53515625e-01, -1.27929688e-01,
        -5.00488281e-02,  9.15527344e-03,  4.49218750e-02,  1.63085938e-01,
         1.40625000e-01, -1.62109375e-01,  5.15747070e-03,  1.66015625e-02,
        -7.47070312e-02,  5.59082031e-02, -2.71484375e-01, -6.05468750e-02,
         4.19921875e-02, -1.44531250e-01,  2.65625000e-01, -1.81884766e-02,
```

```
        -1.50390625e-01, -1.51367188e-01,  1.85546875e-01, -1.16210938e-01,
         6.98242188e-02,  8.48388672e-03,  3.22265625e-01,  1.00585938e-01,
         6.05468750e-02,  2.05078125e-01, -1.18164062e-01, -2.69531250e-01,
         2.75390625e-01,  7.47070312e-02, -2.29492188e-01,  5.24902344e-02,
        -1.98242188e-01, -1.13769531e-01, -1.12792969e-01, -8.78906250e-02,
         1.95312500e-01, -5.00488281e-02, -4.41894531e-02, -1.84570312e-01,
         1.88476562e-01, -8.05664062e-02, -1.56250000e-02, -1.01074219e-01,
         1.06445312e-01, -1.80664062e-02,  2.77099609e-02, -1.60156250e-01,
         2.07031250e-01, -8.48388672e-03,  4.12597656e-02,  5.44433594e-02,
         9.81445312e-02,  1.92382812e-01,  8.39843750e-02,  3.51562500e-02,
         1.49414062e-01,  3.41796875e-01,  1.69921875e-01,  1.51977539e-02,
         3.63769531e-02,  1.87500000e-01,  5.88378906e-02,  9.03320312e-02,
         9.27734375e-02, -2.23388672e-02, -2.83203125e-01,  1.67968750e-01,
         7.42187500e-02,  2.17773438e-01, -8.44726562e-02, -6.83593750e-02,
        -1.18652344e-01, -1.42211914e-02, -2.49023438e-01,  2.55126953e-02,
        -4.68750000e-02,  1.33666992e-02, -5.21850586e-03,  1.57226562e-01,
         2.87109375e-01,  2.41210938e-01,  1.22558594e-01,  1.81640625e-01,
        -2.77343750e-01,  4.54101562e-02,  1.89453125e-01, -8.44726562e-02,
         2.01416016e-02, -1.12792969e-01,  1.32812500e-01, -1.00708008e-02,
         6.29882812e-02,  4.15039062e-02, -1.04980469e-01, -1.88476562e-01,
         1.95312500e-02,  1.79687500e-01,  2.86865234e-02,  1.62109375e-01,
         1.47460938e-01, -1.08398438e-01,  2.59765625e-01,  4.02832031e-02,
        -2.31445312e-01, -6.56127930e-03, -4.34570312e-02, -1.22558594e-01,
         2.25830078e-02, -7.76367188e-02, -1.40625000e-01, -4.10156250e-02,
        -2.07031250e-01, -7.56835938e-03, -3.76953125e-01, -3.97949219e-02,
        -4.27246094e-02,  2.04101562e-01, -8.64257812e-02,  9.57031250e-02,
        -1.20605469e-01, -1.69921875e-01,  3.92578125e-01,  1.89453125e-01,
         2.43164062e-01, -9.37500000e-02, -3.46679688e-02, -2.10937500e-01,
         5.81054688e-02, -2.00195312e-01, -3.14941406e-02,  1.43432617e-02,
        -8.88671875e-02,  2.39257812e-01,  4.56542969e-02,  3.04687500e-01,
        -4.76074219e-02,  1.51367188e-01,  2.09960938e-01,  3.30078125e-01,
         8.59375000e-02,  1.34765625e-01, -1.33056641e-02, -7.95898438e-02,
         4.39453125e-02,  8.78906250e-02,  2.81250000e-01,  1.03027344e-01,
         8.54492188e-02, -5.81054688e-02, -1.22070312e-01,  6.07910156e-0
2],
       dtype=float32),
 'recruiting': array([-1.35742188e-01,  5.03906250e-01,  2.37304688e-01,
1.87500000e-01,
         1.13281250e-01, -1.10351562e-01, -2.40234375e-01, -1.84570312e-01,
        -2.43164062e-01,  2.63671875e-01,  3.41796875e-01,  9.13085938e-02,
         1.88476562e-01,  3.18359375e-01,  2.55126953e-02, -7.61718750e-02,
        -3.08593750e-01,  9.57031250e-02, -4.71191406e-02, -1.52343750e-01,
        -1.46484375e-01,  1.95312500e-02,  1.25122070e-03,  4.16015625e-01,
        -9.76562500e-02, -2.75390625e-01, -1.09375000e-01,  1.21582031e-01,
         6.07910156e-02,  3.63281250e-01,  1.50390625e-01,  4.29687500e-02,
         6.83593750e-02, -3.24218750e-01,  1.56250000e-01, -3.16406250e-01,
        -8.63075256e-05,  3.97949219e-02,  2.21679688e-01, -5.12695312e-02,
        -7.76367188e-02, -1.07910156e-01, -1.51367188e-01, -2.29492188e-01,
        -2.53906250e-01, -3.37219238e-03, -1.67968750e-01,  9.22851562e-02,
         6.34765625e-02,  2.04101562e-01,  1.61132812e-01, -2.24609375e-01,
        -3.65234375e-01,  3.02734375e-02, -1.64794922e-02, -7.12890625e-02,
         3.06640625e-01,  1.32812500e-01, -8.69140625e-02, -4.02832031e-02,
        -7.47070312e-02,  1.42578125e-01,  2.35595703e-02,  1.11816406e-01,
        -1.18652344e-01,  1.17187500e-01, -7.22656250e-02, -6.89697266e-03,
         1.72851562e-01,  2.85156250e-01, -3.10546875e-01,  2.75390625e-01,
        -2.98828125e-01, -6.34765625e-02,  2.23632812e-01,  1.06811523e-04,
        -9.96093750e-02, -7.56835938e-02, -8.00781250e-02,  9.57031250e-02,
        -1.36718750e-01,  1.11816406e-01, -2.92968750e-01, -2.49023438e-02,
        -1.51367188e-01, -2.42187500e-01, -3.16406250e-01, -5.24902344e-02,
         2.50000000e-01, -1.60156250e-01,  2.30712891e-02, -2.38281250e-01,
         1.47460938e-01, -1.30859375e-01,  2.65625000e-01, -1.42578125e-01,
         1.20117188e-01, -1.03515625e-01,  7.71484375e-02,  1.06445312e-01,
        -3.26171875e-01, -7.42187500e-02,  2.46093750e-01,  3.85742188e-02,
         9.47265625e-02, -4.39453125e-02, -1.13769531e-01,  2.44140625e-02,
```

```
        -3.27148438e-02, -5.54687500e-01, -3.67187500e-01,  2.81250000e-01,
        -1.54296875e-01,  1.08886719e-01,  1.97265625e-01, -5.68847656e-02,
        -2.35595703e-02,  2.02636719e-02,  1.90429688e-01, -2.07031250e-01,
        -4.39453125e-01,  3.06640625e-01,  9.17968750e-02,  2.75390625e-01,
         3.14941406e-02, -1.21582031e-01, -2.63671875e-01, -1.52343750e-01,
         3.44238281e-02,  2.72216797e-02,  2.43164062e-01, -3.57421875e-01,
        -5.88989258e-03,  9.22851562e-02,  2.81982422e-02, -3.45703125e-01,
         1.54296875e-01,  2.57812500e-01, -6.64062500e-02, -2.84423828e-02,
         1.12915039e-02, -4.00390625e-02, -1.80664062e-01, -8.93554688e-02,
         4.98046875e-02,  9.15527344e-03,  9.57031250e-02, -6.95800781e-03,
        -1.44042969e-02, -4.61425781e-02,  2.41210938e-01,  1.75781250e-01,
        -1.60156250e-01,  1.76757812e-01,  2.06054688e-01, -1.21582031e-01,
         5.73730469e-02, -1.83593750e-01, -1.22558594e-01, -3.27148438e-02,
         9.08203125e-02, -9.86328125e-02, -4.85839844e-02, -3.88183594e-02,
         7.91015625e-02, -2.07031250e-01,  2.39257812e-01, -4.66796875e-01,
        -1.02539062e-02,  1.14746094e-01,  4.17480469e-02, -9.57031250e-02,
         7.95898438e-02, -4.06250000e-01,  7.56835938e-02,  1.04492188e-01,
         1.29882812e-01, -1.14257812e-01, -3.41796875e-02, -2.28515625e-01,
         1.87500000e-01, -1.85546875e-01,  7.47070312e-02,  9.71679688e-02,
         2.88391113e-03, -8.83789062e-02,  5.93261719e-02,  3.06640625e-01,
         2.53906250e-01,  1.01562500e-01,  2.47802734e-02, -7.78198242e-03,
         1.03515625e-01,  6.88476562e-02, -8.15429688e-02,  1.06445312e-01,
        -4.00390625e-02,  6.10351562e-02,  7.12890625e-02, -5.58593750e-01,
         2.24609375e-02,  2.15820312e-01,  5.61523438e-02, -1.29882812e-01,
        -8.39843750e-02,  1.14440918e-03,  1.66992188e-01, -2.59765625e-01,
         1.72851562e-01,  1.97265625e-01,  2.63671875e-01, -4.56542969e-02,
        -1.11816406e-01, -2.50000000e-01,  2.15820312e-01,  4.58984375e-01,
         1.35742188e-01, -1.89453125e-01, -1.40625000e-01, -3.00781250e-01,
         2.07031250e-01,  9.08203125e-02,  1.41601562e-01,  5.37109375e-02,
         1.68945312e-01, -1.01928711e-02,  2.11181641e-02,  1.43432617e-02,
        -1.36718750e-01, -3.92578125e-01, -1.79443359e-02, -1.85546875e-01,
        -9.13085938e-02, -1.27929688e-01, -9.32617188e-02, -2.92968750e-01,
         5.66406250e-02, -4.29687500e-01, -2.73437500e-01, -2.50244141e-02,
         6.68945312e-02,  2.71484375e-01, -1.57226562e-01, -1.36718750e-01,
        -1.45507812e-01, -1.59179688e-01, -3.16406250e-01, -1.08398438e-01,
        -1.25000000e-01, -6.54296875e-02, -2.37304688e-01, -1.61132812e-01,
        -3.44238281e-02,  2.59765625e-01,  1.42578125e-01, -7.26318359e-03,
         1.16699219e-01,  1.13769531e-01,  4.51660156e-02, -2.36816406e-02,
         2.98828125e-01, -1.04003906e-01,  3.90625000e-03,  2.61718750e-01,
        -2.53906250e-01,  5.51757812e-02, -6.54296875e-02, -1.04980469e-01,
        -2.61718750e-01, -9.04083252e-04,  4.17968750e-01,  1.67968750e-01,
         1.45507812e-01, -1.36718750e-01, -1.81640625e-01, -5.07812500e-02,
        -1.00097656e-01, -9.96093750e-02,  2.16064453e-02, -3.19824219e-02,
        -1.73828125e-01, -2.55859375e-01, -1.55273438e-01,  7.51953125e-02,
        -1.34887695e-02, -9.76562500e-02, -3.17382812e-02,  1.42578125e-01,
         3.75000000e-01, -2.24609375e-01, -1.87500000e-01,  6.73828125e-02,
        -2.11914062e-01, -9.66796875e-02,  4.56542969e-02, -9.13085938e-02,
         4.95605469e-02,  1.27563477e-02,  1.83105469e-02,  2.14843750e-0
1],
       dtype=float32),
 'contact': array([ 0.046875  , -0.23925781, -0.0030365 , -0.22460938, -0.1
2451172,
         0.30273438, -0.00717163,  0.04394531,  0.02502441, -0.10693359,
        -0.10839844, -0.01409912, -0.32226562,  0.1328125 ,  0.06396484,
         0.08740234,  0.17480469, -0.09570312, -0.08886719, -0.01141357,
         0.31445312, -0.08203125, -0.05688477,  0.07958984, -0.16113281,
         0.20410156, -0.01794434,  0.01025391,  0.29492188, -0.16210938,
         0.14453125, -0.18261719, -0.16113281, -0.41796875,  0.10986328,
        -0.203125  ,  0.19726562, -0.12207031,  0.00842285, -0.15917969,
        -0.09765625, -0.06591797, -0.265625  , -0.12597656, -0.10449219,
        -0.00396729, -0.03491211,  0.04443359, -0.10302734,  0.01306152,
        -0.02587891, -0.14648438,  0.06030273,  0.0559082 , -0.08544922,
        -0.15332031,  0.29882812,  0.05444336, -0.09228516, -0.04345703,
        -0.10693359, -0.3125    , -0.19921875,  0.09033203, -0.2734375 ,
```

```
         0.12060547,  0.03857422,  0.05883789,  0.11035156,  0.25      ,
        -0.03613281, -0.12353516,  0.04980469,  0.04199219, -0.14355469,
        -0.0246582 ,  0.05273438, -0.00531006,  0.41015625,  0.22460938,
         0.03686523,  0.04785156,  0.31640625,  0.16503906,  0.15527344,
        -0.25390625, -0.12451172, -0.34960938,  0.109375  ,  0.16015625,
         0.23925781, -0.05493164,  0.0402832 , -0.265625  ,  0.09765625,
         0.16894531,  0.30664062,  0.14257812, -0.01306152,  0.15917969,
        -0.14648438, -0.10107422, -0.03930664,  0.34375   , -0.00239563,
        -0.17089844,  0.07177734,  0.21582031,  0.09570312,  0.09667969,
        -0.13671875, -0.26171875,  0.05883789, -0.15429688, -0.27148438,
        -0.05957031, -0.03466797,  0.03759766,  0.18261719,  0.06884766,
        -0.20800781,  0.17773438,  0.14550781,  0.52734375, -0.15820312,
        -0.07714844, -0.15332031, -0.03564453,  0.39453125,  0.17382812,
        -0.15234375, -0.31054688,  0.03320312,  0.08056641,  0.15234375,
        -0.28710938,  0.07080078, -0.1875    , -0.07714844,  0.09423828,
         0.19042969,  0.14648438, -0.4375    , -0.05102539,  0.19726562,
         0.31445312, -0.12109375, -0.10595703, -0.16210938,  0.03955078,
         0.3203125 ,  0.0456543 , -0.26171875,  0.29882812, -0.09228516,
        -0.15234375, -0.11474609, -0.05151367, -0.10986328, -0.05102539,
         0.12890625,  0.2109375 , -0.16699219, -0.04956055, -0.07617188,
         0.01446533, -0.06933594, -0.05249023, -0.04199219,  0.09814453,
         0.11816406,  0.03198242,  0.34960938, -0.05761719, -0.05712891,
        -0.08056641,  0.11083984, -0.08642578, -0.22851562,  0.09716797,
        -0.09375   ,  0.0071106 ,  0.24414062, -0.08105469,  0.10839844,
        -0.22851562, -0.06738281, -0.26953125, -0.06738281,  0.17675781,
        -0.14355469,  0.00909424, -0.14941406, -0.0703125 ,  0.22265625,
         0.26171875,  0.18554688,  0.00512695, -0.01806641, -0.28320312,
         0.3046875 ,  0.1875    , -0.08300781,  0.01940918,  0.08642578,
        -0.26367188, -0.17089844, -0.24121094,  0.08740234,  0.02807617,
         0.10449219, -0.12060547, -0.09570312, -0.01141357, -0.09814453,
        -0.05712891,  0.11230469,  0.02209473, -0.00952148, -0.23046875,
         0.04077148,  0.203125  , -0.04321289,  0.23046875,  0.08154297,
         0.13574219,  0.22363281,  0.32226562,  0.00159454, -0.14550781,
         0.15625   ,  0.171875  , -0.17675781, -0.09521484, -0.09326172,
        -0.18359375, -0.04833984, -0.15136719, -0.25585938, -0.06640625,
         0.07714844,  0.06738281, -0.02294922, -0.02539062,  0.30664062,
         0.21289062,  0.13183594,  0.08447266,  0.19042969, -0.08886719,
         0.17578125,  0.05126953, -0.07470703, -0.03320312,  0.1953125 ,
        -0.0234375 , -0.16894531, -0.06030273, -0.18066406,  0.21875   ,
         0.09960938, -0.03515625, -0.21289062,  0.0703125 ,  0.1328125 ,
         0.14257812,  0.24609375,  0.06689453,  0.06079102, -0.08154297,
        -0.00056076,  0.24121094, -0.05541992,  0.0324707 ,  0.01928711,
        -0.24609375, -0.13378906,  0.00454712, -0.16601562,  0.19726562,
         0.02600098,  0.14355469,  0.24804688,  0.08056641, -0.01599121,
         0.04174805, -0.20117188,  0.40625   , -0.05786133, -0.27148438,
        -0.14648438,  0.3125    ,  0.19824219,  0.06982422,  0.23144531,
         0.08300781,  0.17773438,  0.0546875 , -0.08544922, -0.18359375],
       dtype=float32),
 'many': array([ 0.19335938, -0.0043335 , -0.03222656,  0.13964844, -0.0202
6367,
        -0.10009766, -0.0625    , -0.00205994,  0.15234375,  0.0612793 ,
        -0.12988281, -0.14355469, -0.02502441,  0.13183594, -0.10986328,
         0.02880859,  0.02770996,  0.13964844, -0.16699219, -0.08642578,
        -0.00680542, -0.10986328,  0.06225586, -0.05712891,  0.02233887,
         0.05004883, -0.09277344, -0.03393555, -0.02075195, -0.21875   ,
         0.02160645,  0.02282715,  0.13769531, -0.12207031,  0.05004883,
        -0.11816406,  0.13769531, -0.12402344,  0.04345703, -0.06030273,
         0.34960938,  0.04956055, -0.04174805,  0.07324219,  0.00964355,
         0.01733398, -0.17089844,  0.06982422, -0.14550781, -0.07373047,
         0.05126953,  0.04956055, -0.25976562, -0.04052734, -0.06396484,
         0.01599121,  0.01940918, -0.00512695,  0.05053711,  0.12890625,
         0.06445312,  0.24804688, -0.03088379, -0.09033203, -0.07568359,
        -0.1484375 , -0.0546875 ,  0.09960938, -0.00190735,  0.00222778,
         0.03295898,  0.15820312,  0.10449219, -0.07128906, -0.16992188,
```

```
        -0.11865234, -0.09423828,  0.06079102,  0.01696777,  0.11474609,
        -0.03881836, -0.09716797, -0.07958984, -0.09472656, -0.31835938,
        -0.03515625, -0.22949219, -0.09716797, -0.14550781, -0.11767578,
         0.11132812,  0.16015625, -0.09130859, -0.03149414,  0.01092529,
         0.15136719,  0.01074219,  0.01239014,  0.02062988,  0.09423828,
        -0.01293945, -0.05322266,  0.07275391,  0.14257812, -0.05419922,
         0.06689453,  0.0300293 , -0.09179688,  0.25195312, -0.24511719,
        -0.05175781,  0.05126953,  0.05322266, -0.01965332,  0.171875  ,
        -0.06347656,  0.13085938, -0.05102539,  0.11621094, -0.02880859,
        -0.11962891,  0.20800781, -0.16796875, -0.02404785,  0.04589844,
        -0.12451172, -0.10449219,  0.07275391, -0.0246582 ,  0.12353516,
         0.09423828, -0.10546875, -0.07763672, -0.16699219, -0.00457764,
        -0.02416992, -0.00119781,  0.06933594,  0.10205078, -0.04711914,
        -0.10009766, -0.02453613,  0.20507812,  0.02880859,  0.27734375,
         0.08837891,  0.02075195,  0.02868652, -0.24609375,  0.0246582 ,
        -0.07470703, -0.03344727, -0.15917969, -0.02514648, -0.07763672,
        -0.01037598, -0.02392578,  0.0071106 , -0.09521484,  0.01373291,
        -0.109375  ,  0.12792969, -0.11523438, -0.08300781,  0.23144531,
        -0.01708984, -0.04272461, -0.00118256,  0.15917969, -0.08837891,
        -0.3359375 ,  0.23535156, -0.12597656, -0.25585938,  0.12890625,
        -0.0279541 , -0.16015625, -0.22460938,  0.08984375, -0.0255127 ,
        -0.10595703, -0.11425781, -0.05737305, -0.10839844,  0.07080078,
         0.06689453, -0.10449219,  0.11621094, -0.01177979,  0.10253906,
         0.12597656, -0.10351562,  0.11914062, -0.18554688, -0.08544922,
        -0.02001953, -0.07519531, -0.04321289,  0.02148438, -0.04418945,
         0.05029297,  0.12109375, -0.03015137, -0.13964844, -0.11425781,
        -0.05078125, -0.15136719, -0.03955078, -0.12255859,  0.08544922,
        -0.10742188, -0.09570312,  0.12597656, -0.09033203, -0.00488281,
        -0.02819824,  0.22070312,  0.06982422, -0.21191406, -0.0859375 ,
        -0.0559082 , -0.10009766, -0.12109375, -0.06787109,  0.18164062,
        -0.1875    ,  0.05200195, -0.05541992, -0.04663086,  0.07373047,
         0.01049805,  0.09521484,  0.18261719,  0.00836182,  0.19335938,
        -0.11279297, -0.09423828, -0.23730469, -0.09375   , -0.00260925,
        -0.07128906, -0.03051758, -0.03662109, -0.18261719,  0.06054688,
         0.01507568, -0.00107574, -0.06030273, -0.15917969,  0.02026367,
        -0.11181641,  0.09912109,  0.11621094, -0.08300781, -0.04003906,
        -0.00088882,  0.15039062,  0.07568359, -0.1796875 , -0.17382812,
         0.04589844, -0.08154297, -0.13574219, -0.00521851,  0.08642578,
         0.09179688, -0.02832031,  0.07958984,  0.00276184,  0.01049805,
         0.22265625,  0.14160156, -0.01025391,  0.18359375, -0.00570679,
        -0.02368164, -0.1171875 , -0.04858398, -0.06835938, -0.1953125 ,
         0.10107422, -0.02880859,  0.04882812, -0.02258301, -0.06542969,
         0.04345703, -0.04125977,  0.05786133, -0.04516602,  0.203125  ,
        -0.17480469, -0.12255859, -0.14746094, -0.08886719, -0.07568359,
         0.07861328,  0.07519531,  0.05200195,  0.02758789, -0.0065918 ],
       dtype=float32),
 'located': array([-1.75781250e-01, -2.63671875e-01,  2.08007812e-01,  1.04
003906e-01,
        -6.17675781e-02,  9.96093750e-02, -1.30859375e-01, -1.00097656e-01,
         1.51367188e-01,  1.09375000e-01, -1.01074219e-01,  9.08203125e-02,
        -1.41601562e-01, -7.71484375e-02,  1.99218750e-01, -3.95507812e-02,
        -2.92968750e-01,  2.24609375e-02, -1.31835938e-01,  2.31445312e-01,
         5.98144531e-02, -7.81250000e-02, -2.53906250e-01,  6.78710938e-02,
        -8.59375000e-02, -2.63671875e-01, -7.91015625e-02, -7.37304688e-02,
        -6.73828125e-02, -4.64843750e-01,  1.29882812e-01, -1.22558594e-01,
        -8.15429688e-02, -2.45117188e-01, -9.81445312e-02, -1.36718750e-01,
        -1.20605469e-01, -3.78417969e-02,  4.56542969e-02, -6.54296875e-02,
        -1.44531250e-01,  2.92968750e-01, -2.48046875e-01, -1.59179688e-01,
        -2.89306641e-02, -7.51953125e-02, -1.51367188e-01, -7.51953125e-02,
        -3.67187500e-01, -9.52148438e-03, -5.10253906e-02,  3.26538086e-03,
         2.36328125e-01, -3.76953125e-01, -7.47680664e-03, -7.17163086e-03,
        -2.20703125e-01, -1.75781250e-01,  1.66015625e-01, -7.12890625e-02,
         2.52685547e-02, -2.03125000e-01, -2.56347656e-02, -3.49609375e-01,
         6.71386719e-03, -1.46484375e-01, -1.41601562e-01,  1.86767578e-02,
```

```
         5.24902344e-02, -7.08007812e-02,  3.63281250e-01, -8.17871094e-03,
         1.30859375e-01, -1.09375000e-01, -7.12890625e-02, -2.04101562e-01,
        -1.66992188e-01, -1.80664062e-01, -1.42669678e-03,  1.37695312e-01,
         2.13867188e-01, -2.21679688e-01,  1.79687500e-01,  4.29687500e-02,
        -5.29785156e-02, -7.95898438e-02,  8.44726562e-02, -1.07910156e-01,
        -1.66015625e-01, -2.15820312e-01, -1.01074219e-01, -2.16796875e-01,
         6.73828125e-02,  1.75781250e-01, -1.05957031e-01,  2.55859375e-01,
         1.57470703e-02,  6.77490234e-03, -8.42285156e-03, -2.64892578e-02,
        -3.71093750e-02, -9.86328125e-02,  4.56542969e-02,  7.93457031e-03,
         2.79296875e-01, -1.89453125e-01, -2.14843750e-02,  8.74023438e-02,
         1.77001953e-02,  2.95639038e-04, -8.59375000e-02, -1.25000000e-01,
        -1.19140625e-01, -1.63085938e-01, -8.98437500e-02, -2.31933594e-02,
         1.50390625e-01, -4.95605469e-02,  3.63281250e-01, -1.37695312e-01,
         1.33666992e-02, -2.07031250e-01,  1.20605469e-01,  1.64062500e-01,
        -1.45507812e-01,  1.57470703e-02, -2.77343750e-01, -1.21093750e-01,
         1.15234375e-01,  1.39648438e-01,  5.73730469e-02, -1.09375000e-01,
         4.14062500e-01,  9.42382812e-02, -1.99218750e-01, -1.28906250e-01,
         1.45874023e-02, -2.33398438e-01, -7.17773438e-02,  8.74023438e-02,
        -1.51367188e-01, -6.64062500e-02,  6.07910156e-02, -1.61132812e-01,
        -1.91650391e-02,  6.73828125e-02, -1.04492188e-01,  4.98046875e-02,
        -1.60156250e-01, -2.85156250e-01,  1.22070312e-01,  2.46093750e-01,
         9.03320312e-02,  5.85937500e-02, -1.85546875e-01, -1.03515625e-01,
        -2.00195312e-01,  1.03515625e-01, -2.24609375e-02,  1.66015625e-01,
         1.74804688e-01,  5.63964844e-02,  5.88378906e-02, -1.52343750e-01,
         3.95507812e-02,  1.20117188e-01,  1.75781250e-01,  7.76367188e-02,
        -7.42187500e-02, -1.28906250e-01, -9.71679688e-02, -1.56250000e-01,
         4.10156250e-01, -1.16699219e-01, -1.01928711e-02, -1.27563477e-02,
         5.27343750e-02, -1.66015625e-01, -1.86523438e-01, -1.89453125e-01,
        -1.85546875e-01,  1.12304688e-01, -1.30859375e-01, -1.71875000e-01,
        -1.69921875e-01, -6.88476562e-02,  1.50390625e-01,  2.63671875e-01,
         1.39648438e-01,  1.09863281e-01, -2.03857422e-02, -9.94873047e-03,
         6.39648438e-02,  1.07910156e-01, -3.04687500e-01,  3.22265625e-01,
         3.32031250e-02,  1.19018555e-02,  3.35937500e-01, -1.18164062e-01,
         3.10546875e-01,  2.14843750e-02, -1.44531250e-01, -1.03027344e-01,
        -7.47070312e-02,  1.11083984e-02,  1.96289062e-01,  1.66992188e-01,
         1.37695312e-01,  7.81250000e-02,  2.34375000e-01, -8.59375000e-02,
        -1.57226562e-01,  1.65039062e-01,  1.70898438e-01,  2.29492188e-01,
        -1.75781250e-02, -1.47460938e-01, -1.22558594e-01,  9.66796875e-02,
         6.00585938e-02,  6.78710938e-02, -1.47460938e-01, -9.71679688e-02,
        -7.66601562e-02,  1.72851562e-01, -7.47070312e-02, -3.83300781e-02,
        -2.83203125e-01, -1.72851562e-01,  6.07910156e-02, -1.98242188e-01,
        -2.35351562e-01,  2.08984375e-01, -6.71386719e-03,  1.86523438e-01,
        -6.00585938e-02, -2.01171875e-01,  2.17773438e-01,  5.54199219e-02,
         7.86132812e-02,  1.89208984e-02, -1.77764893e-03, -1.99218750e-01,
        -3.43322754e-03, -9.66796875e-02, -3.68652344e-02,  2.35351562e-01,
         2.61718750e-01, -4.51660156e-02,  6.20117188e-02, -4.32128906e-02,
         1.25976562e-01, -8.23974609e-03,  5.03906250e-01, -4.00390625e-02,
        -1.98242188e-01, -8.05664062e-02, -2.08007812e-01,  7.27539062e-02,
        -6.04248047e-03, -4.21875000e-01,  2.94921875e-01,  1.76757812e-01,
         4.16015625e-01,  1.43554688e-01,  1.94335938e-01, -1.68945312e-01,
         2.30712891e-02,  1.35742188e-01, -1.55273438e-01, -6.54296875e-02,
        -1.09375000e-01, -1.61132812e-01, -9.47265625e-02, -1.69921875e-01,
        -1.84570312e-01, -1.42578125e-01, -2.20703125e-01,  7.51953125e-02,
        -2.23632812e-01, -2.24609375e-01,  1.02539062e-01,  2.48046875e-01,
        -1.08886719e-01, -3.08837891e-02, -1.27929688e-01, -1.31835938e-01,
        -1.32812500e-01, -7.22656250e-02, -2.63671875e-01,  1.28906250e-01,
        -1.13281250e-01,  1.83593750e-01,  1.69921875e-01, -4.41894531e-02,
         7.32421875e-02, -1.16210938e-01,  2.26562500e-01, -1.42578125e-0
1],
       dtype=float32),
 'california': array([ 0.02050781, -0.04248047,  0.11474609,  0.6484375 , -
0.15625   ,
        -0.296875  ,  0.23242188, -0.12988281, -0.11669922,  0.18359375,
        -0.16992188, -0.34570312, -0.35546875,  0.02294922, -0.12255859,
```

```
         0.15917969, -0.13964844,  0.26757812, -0.03808594,  0.05078125,
        -0.0703125 , -0.16992188, -0.12792969,  0.14453125, -0.51953125,
         0.16503906, -0.1328125 ,  0.45703125, -0.25195312, -0.21386719,
        -0.0703125 , -0.02722168,  0.03417969, -0.3046875 ,  0.05102539,
         0.125     , -0.37304688,  0.00976562,  0.3671875 , -0.09326172,
        -0.29296875, -0.17480469,  0.37304688, -0.03100586,  0.28320312,
         0.11816406,  0.3203125 , -0.11230469, -0.30859375, -0.11767578,
        -0.2578125 , -0.125     ,  0.28710938,  0.20410156, -0.25976562,
         0.08251953, -0.359375  , -0.00219727,  0.16894531, -0.37695312,
        -0.44140625, -0.34179688, -0.22753906, -0.390625  , -0.05126953,
        -0.37890625,  0.31835938, -0.04370117, -0.30664062,  0.02441406,
         0.08740234,  0.5859375 , -0.41210938,  0.07177734, -0.05224609,
         0.38671875,  0.18945312, -0.04760742,  0.00595093,  0.04711914,
        -0.20117188,  0.01831055,  0.00854492, -0.51953125,  0.11523438,
         0.16601562, -0.20410156,  0.36914062, -0.31054688, -0.04956055,
         0.02246094,  0.12792969, -0.01867676,  0.11181641,  0.04321289,
         0.46875   , -0.11181641, -0.203125  ,  0.48632812,  0.53125   ,
        -0.3515625 , -0.01586914, -0.02331543,  0.00787354, -0.31835938,
         0.04833984,  0.0534668 ,  0.24023438,  0.20800781, -0.35546875,
        -0.07861328,  0.07714844, -0.02612305,  0.24707031,  0.3828125 ,
         0.18164062,  0.1015625 , -0.36523438,  0.11523438, -0.17382812,
        -0.26757812, -0.06640625,  0.02697754, -0.16992188,  0.9609375 ,
         0.02148438, -0.26171875,  0.05029297,  0.07617188, -0.07568359,
        -0.19726562, -0.38476562,  0.12158203,  0.47851562, -0.06640625,
        -0.02661133, -0.27734375, -0.33984375,  0.31835938, -0.14257812,
         0.16113281, -0.5859375 ,  0.01660156,  0.1171875 , -0.05102539,
        -0.23925781, -0.11767578, -0.0703125 ,  0.03955078, -0.03149414,
         0.58203125, -0.3828125 , -0.26757812,  0.09082031, -0.1796875 ,
        -0.44726562,  0.265625  , -0.01660156, -0.14160156, -0.25976562,
         0.36132812, -0.03662109, -0.02368164,  0.22753906,  0.02709961,
        -0.47070312,  0.36132812, -0.10302734, -0.24609375,  0.28125   ,
        -0.25390625,  0.11865234,  0.21484375,  0.04589844,  0.07617188,
        -0.26757812,  0.16015625, -0.375     , -0.0456543 ,  0.08007812,
        -0.05273438, -0.21289062, -0.4609375 , -0.49804688,  0.01416016,
         0.08349609, -0.38671875,  0.29296875,  0.30664062, -0.09130859,
         0.55859375,  0.37695312, -0.0859375 , -0.18457031, -0.11083984,
         0.47070312, -0.20410156,  0.1484375 ,  0.17578125, -0.00376892,
        -0.41796875,  0.07861328, -0.00485229, -0.31445312, -0.24902344,
        -0.16113281,  0.04003906, -0.09228516, -0.22558594,  0.07763672,
         0.03686523,  0.1640625 , -0.49609375,  0.02600098, -0.30273438,
         0.23535156, -0.19433594,  0.10888672, -0.09521484, -0.08740234,
        -0.12890625, -0.15917969,  0.15429688,  0.08544922, -0.09814453,
        -0.16699219,  0.3203125 ,  0.12353516,  0.14648438, -0.27539062,
         0.22460938, -0.41796875,  0.296875  , -0.16992188, -0.17578125,
         0.55078125, -0.33984375,  0.26953125, -0.00854492,  0.06982422,
         0.27148438,  0.13085938,  0.4375    ,  0.10742188, -0.10791016,
         0.18359375, -0.34179688,  0.41601562,  0.04980469,  0.00167084,
         0.03637695, -0.22070312,  0.48828125, -0.00927734,  0.2578125 ,
        -0.53515625, -0.04907227, -0.06884766,  0.515625  , -0.09228516,
         0.06298828, -0.08886719,  0.27539062, -0.328125  ,  0.13085938,
        -0.12792969, -0.17578125, -0.10400391,  0.08496094, -0.2734375 ,
         0.03125   , -0.23242188,  0.296875  ,  0.51171875,  0.02429199,
         0.15820312, -0.13867188, -0.11865234, -0.30273438,  0.06787109,
        -0.11181641,  0.18847656,  0.16992188,  0.23632812, -0.17578125,
        -0.26171875, -0.11669922, -0.00250244, -0.02758789, -0.01489258,
         0.58984375,  0.25976562,  0.3515625 ,  0.24804688,  0.06738281,
        -0.07421875, -0.37109375, -0.34570312, -0.19335938, -0.24804688],
       dtype=float32),
 'alaska': array([-0.21875   , -0.18652344, -0.01696777,  0.27929688, -0.23
632812,
        -0.02038574,  0.11376953, -0.07617188, -0.31835938,  0.07080078,
         0.02612305, -0.32617188, -0.20507812, -0.328125  , -0.09570312,
         0.39453125, -0.22070312,  0.13574219, -0.03686523, -0.12597656,
        -0.11425781, -0.10888672, -0.09472656, -0.21386719, -0.3203125 ,
```

```
        -0.03710938, -0.24707031,  0.24902344, -0.1171875 ,  0.04199219,
         0.25585938,  0.18652344, -0.25195312, -0.18261719, -0.0201416 ,
        -0.04272461, -0.25195312,  0.08007812,  0.2734375 ,  0.11962891,
        -0.20898438, -0.26953125,  0.28710938, -0.04663086,  0.11669922,
         0.08203125,  0.20410156, -0.03466797, -0.16210938,  0.10498047,
        -0.140625  , -0.0559082 ,  0.40429688,  0.09472656, -0.06738281,
        -0.00585938, -0.35546875, -0.13085938,  0.1328125 , -0.29882812,
        -0.21484375, -0.23632812, -0.0112915 , -0.11669922,  0.11328125,
        -0.44335938,  0.10546875, -0.21386719,  0.08349609,  0.17675781,
        -0.08251953,  0.25976562,  0.11767578,  0.01464844, -0.35546875,
        -0.22558594,  0.00286865,  0.0300293 , -0.13476562,  0.02893066,
        -0.12792969,  0.23144531, -0.16308594, -0.36328125,  0.06445312,
         0.265625  ,  0.00448608,  0.16699219,  0.00976562,  0.05078125,
         0.02478027,  0.2578125 ,  0.00860596, -0.02355957, -0.14355469,
         0.41210938, -0.05175781, -0.05053711,  0.30664062,  0.13085938,
        -0.10253906,  0.14648438,  0.22363281,  0.00628662,  0.19433594,
         0.15820312, -0.19042969,  0.26953125,  0.24121094,  0.01037598,
        -0.21875   , -0.23632812, -0.03295898, -0.05371094, -0.02600098,
        -0.00151825,  0.00860596, -0.17089844,  0.06298828, -0.09863281,
        -0.05737305, -0.22070312, -0.23046875,  0.06396484,  0.41796875,
         0.04711914, -0.23046875,  0.05541992,  0.13671875, -0.23730469,
        -0.30859375, -0.08544922,  0.19140625,  0.13378906, -0.01477051,
         0.12988281, -0.19238281, -0.18164062,  0.27539062,  0.1953125 ,
         0.28710938, -0.31445312,  0.09228516, -0.10742188,  0.13867188,
        -0.16308594, -0.19921875, -0.22167969,  0.04663086, -0.02172852,
         0.30859375, -0.0145874 , -0.03222656, -0.10693359, -0.1484375 ,
        -0.33984375,  0.08056641,  0.30664062, -0.09912109,  0.31054688,
         0.08398438,  0.04052734, -0.06396484,  0.27148438,  0.23828125,
        -0.09130859,  0.09765625, -0.15820312, -0.28320312,  0.12792969,
        -0.59765625,  0.09130859,  0.23828125,  0.11230469, -0.30859375,
         0.09912109,  0.06494141, -0.17871094,  0.12304688, -0.10839844,
        -0.0378418 , -0.45703125, -0.17578125, -0.13378906, -0.13671875,
         0.03039551, -0.08642578, -0.12402344,  0.23730469,  0.16601562,
         0.12207031,  0.14453125, -0.17578125,  0.18847656, -0.0255127 ,
         0.02697754, -0.07226562,  0.07421875, -0.05297852, -0.03015137,
        -0.44921875,  0.01708984,  0.07421875, -0.42382812, -0.00402832,
         0.09960938,  0.11669922,  0.0456543 , -0.22460938,  0.22265625,
        -0.11328125,  0.11767578, -0.4453125 , -0.11767578,  0.02563477,
         0.09521484,  0.27929688,  0.20214844, -0.01916504, -0.04541016,
        -0.08544922, -0.13378906,  0.33203125,  0.15234375,  0.12597656,
        -0.12597656,  0.07275391,  0.18261719, -0.15429688, -0.05126953,
         0.35742188, -0.04003906, -0.01306152, -0.2734375 ,  0.15722656,
         0.23144531,  0.2265625 , -0.01940918, -0.03588867,  0.09912109,
         0.17773438,  0.14453125,  0.12207031,  0.02514648, -0.03881836,
         0.296875  ,  0.00720215,  0.35742188, -0.05200195, -0.21777344,
         0.18066406,  0.08398438,  0.40039062,  0.14160156,  0.30078125,
        -0.2734375 , -0.07910156, -0.00494385,  0.03955078, -0.5       ,
        -0.03515625,  0.10742188, -0.04516602, -0.10595703, -0.17578125,
        -0.12402344,  0.05493164, -0.01092529,  0.15820312, -0.17578125,
        -0.08398438,  0.27539062,  0.11376953, -0.14160156,  0.078125  ,
        -0.05761719, -0.14941406, -0.16113281, -0.2890625 ,  0.06689453,
        -0.14550781,  0.01196289,  0.07470703,  0.15039062, -0.06103516,
        -0.17089844, -0.14550781, -0.10546875, -0.03417969, -0.10791016,
         0.30273438, -0.04150391, -0.04638672,  0.15625   ,  0.10009766,
        -0.1796875 ,  0.00302124, -0.07373047,  0.10302734,  0.12792969],
       dtype=float32),
 'hawaii': array([-0.13378906, -0.00183105,  0.02770996,  0.24316406, -0.12
890625,
        -0.08544922, -0.19238281, -0.16796875,  0.00482178, -0.06542969,
        -0.14453125, -0.1953125 , -0.41992188, -0.17382812,  0.03271484,
         0.08691406,  0.01672363,  0.32617188, -0.14257812,  0.20898438,
        -0.15820312, -0.23535156,  0.18359375, -0.01806641, -0.52734375,
        -0.07568359,  0.05737305, -0.02624512, -0.11474609, -0.02209473,
         0.24609375,  0.20019531, -0.08935547, -0.20410156,  0.25195312,
```

```
        -0.08496094, -0.23242188, -0.04760742,  0.35742188,  0.25390625,
        -0.04125977, -0.07275391,  0.02941895,  0.12255859,  0.15527344,
        -0.140625  , -0.06396484,  0.04443359, -0.17382812, -0.00454712,
         0.19042969, -0.00708008,  0.24609375, -0.05639648, -0.05175781,
        -0.02539062, -0.0390625 ,  0.12890625,  0.16796875, -0.35351562,
        -0.06396484, -0.05932617, -0.11523438,  0.06689453, -0.04833984,
        -0.16113281,  0.11230469, -0.25585938,  0.1328125 ,  0.25195312,
        -0.09863281,  0.31445312, -0.22363281,  0.10986328,  0.05322266,
        -0.06835938,  0.08056641, -0.07128906,  0.07373047,  0.19628906,
        -0.02661133,  0.09472656, -0.22949219, -0.16601562,  0.10693359,
         0.11328125, -0.36914062,  0.22265625,  0.0078125 ,  0.0291748 ,
         0.10253906,  0.2734375 , -0.1953125 , -0.12792969, -0.00378418,
         0.36328125,  0.02868652, -0.02270508,  0.30273438,  0.16015625,
        -0.00118256,  0.13378906,  0.296875  ,  0.27734375, -0.125     ,
         0.26953125,  0.04589844, -0.00775146,  0.15820312,  0.01660156,
        -0.06030273, -0.05639648,  0.19824219, -0.03063965,  0.08886719,
         0.38476562, -0.07519531, -0.37890625,  0.04101562, -0.10644531,
        -0.07421875,  0.00799561, -0.06689453,  0.34960938,  0.453125  ,
         0.09082031, -0.03295898, -0.05151367,  0.07177734,  0.17675781,
        -0.16015625, -0.13769531,  0.11328125,  0.15332031, -0.04296875,
        -0.09863281, -0.359375  ,  0.10009766,  0.13183594,  0.16210938,
         0.22851562, -0.3515625 ,  0.06176758,  0.06494141,  0.17773438,
         0.06152344, -0.12695312, -0.10595703, -0.18554688, -0.04394531,
         0.18164062,  0.12207031, -0.10644531, -0.08154297, -0.07470703,
        -0.2265625 ,  0.21875   ,  0.08789062,  0.09521484,  0.01452637,
         0.14746094, -0.13671875,  0.11376953,  0.14453125,  0.02453613,
        -0.34570312, -0.01293945, -0.01074219, -0.25390625,  0.07714844,
        -0.2265625 ,  0.17480469,  0.21289062,  0.15722656, -0.27148438,
         0.00698853,  0.12207031, -0.01538086,  0.20703125, -0.01708984,
        -0.17089844, -0.15332031, -0.03686523,  0.04589844, -0.140625  ,
         0.06298828, -0.046875  , -0.09570312,  0.11035156,  0.02929688,
         0.07666016,  0.12304688,  0.02832031,  0.09228516, -0.02575684,
         0.32421875,  0.11816406,  0.01513672, -0.00415039, -0.1328125 ,
        -0.34375   ,  0.01977539, -0.16796875, -0.3125    , -0.3359375 ,
        -0.07421875,  0.10253906, -0.15136719, -0.20214844,  0.16113281,
         0.203125  ,  0.16113281, -0.38476562, -0.05395508,  0.00643921,
         0.22460938,  0.33398438,  0.11914062,  0.00311279, -0.05078125,
         0.12451172, -0.16796875,  0.26171875,  0.03515625,  0.1484375 ,
        -0.11132812,  0.02209473,  0.08105469, -0.00601196, -0.07958984,
         0.09765625, -0.10644531,  0.06689453, -0.22851562,  0.06835938,
         0.390625  ,  0.02392578, -0.12890625, -0.03100586,  0.11621094,
         0.25585938,  0.20996094,  0.03564453,  0.06591797, -0.18261719,
        -0.00939941, -0.12597656,  0.10009766, -0.15722656, -0.2890625 ,
         0.09667969,  0.14648438,  0.2265625 ,  0.03125   ,  0.23828125,
        -0.32226562,  0.12792969,  0.07519531,  0.04248047, -0.13964844,
         0.14160156, -0.05810547,  0.05224609, -0.17382812, -0.08789062,
        -0.01000977, -0.05810547, -0.15527344,  0.19335938, -0.296875  ,
        -0.18164062,  0.1328125 ,  0.20800781,  0.2890625 , -0.07275391,
        -0.05444336, -0.203125  , -0.16113281, -0.14550781,  0.25      ,
        -0.1875    , -0.04541016,  0.15332031,  0.01867676, -0.09521484,
         0.00143433, -0.26171875,  0.07568359,  0.00689697,  0.04418945,
         0.34960938,  0.3203125 ,  0.21289062,  0.11083984, -0.05273438,
        -0.08691406, -0.34570312, -0.15332031, -0.14160156,  0.28515625],
       dtype=float32),
 'montana': array([-0.03540039,  0.07177734, -0.015625  ,  0.22070312, -0.0
4321289,
         0.01672363, -0.07324219, -0.25195312, -0.26953125,  0.00897217,
        -0.15527344, -0.1015625 , -0.21386719, -0.06835938,  0.07617188,
        -0.08496094,  0.02282715,  0.19628906, -0.10107422, -0.18359375,
        -0.20703125,  0.01330566,  0.08740234, -0.05517578, -0.35351562,
        -0.0279541 , -0.34375   ,  0.20019531, -0.00265503,  0.09472656,
        -0.05053711,  0.1640625 ,  0.12109375, -0.25585938, -0.21777344,
         0.07421875, -0.08447266,  0.02148438,  0.19238281,  0.24707031,
         0.13574219, -0.06591797,  0.11816406,  0.05175781,  0.15917969,
```

```
        -0.09521484,  0.0859375 , -0.11132812, -0.02722168,  0.01916504,
        -0.19335938, -0.09423828,  0.20703125, -0.109375  ,  0.03100586,
         0.08105469, -0.10058594, -0.07373047, -0.13964844, -0.13085938,
        -0.18554688,  0.0189209 , -0.0703125 , -0.05419922, -0.12207031,
        -0.37304688,  0.02124023, -0.05786133, -0.12109375,  0.11035156,
         0.22753906,  0.12792969,  0.18457031, -0.01635742,  0.06542969,
         0.04150391,  0.01312256, -0.12597656, -0.21582031,  0.14746094,
         0.11328125,  0.11279297,  0.07958984, -0.26171875,  0.14355469,
         0.20605469, -0.06884766,  0.08349609,  0.20996094,  0.02844238,
        -0.07128906, -0.04785156, -0.1875    , -0.01928711, -0.10888672,
         0.10302734,  0.07324219, -0.12695312,  0.109375  ,  0.0390625 ,
        -0.21777344,  0.00842285,  0.19433594, -0.01293945,  0.00436401,
         0.05615234, -0.15234375,  0.15527344, -0.07275391, -0.11474609,
        -0.15429688, -0.32226562,  0.15429688, -0.01989746,  0.0300293 ,
        -0.05200195,  0.05761719, -0.19433594, -0.11279297, -0.15625   ,
         0.08300781,  0.05957031,  0.02709961, -0.05786133,  0.18652344,
         0.06298828, -0.02539062,  0.2109375 ,  0.26953125,  0.07226562,
        -0.28320312, -0.15917969,  0.15625   ,  0.12890625, -0.19140625,
         0.00265503, -0.40039062, -0.16210938,  0.13183594,  0.01831055,
         0.19921875, -0.0546875 , -0.04785156, -0.02185059,  0.10058594,
         0.18457031, -0.07519531,  0.12353516, -0.0043335 , -0.24609375,
         0.16601562, -0.21875   , -0.04370117, -0.20898438,  0.01324463,
        -0.24804688,  0.21386719,  0.23339844, -0.11230469,  0.13574219,
        -0.10791016,  0.12060547, -0.04296875,  0.14355469,  0.08056641,
        -0.22070312,  0.0534668 , -0.09814453, -0.25195312,  0.05664062,
        -0.48828125,  0.06884766, -0.02429199,  0.10449219, -0.16992188,
        -0.03686523,  0.13964844, -0.20410156,  0.06225586, -0.04614258,
         0.02099609, -0.28125   ,  0.01538086, -0.0378418 , -0.08447266,
         0.17285156, -0.17578125, -0.19433594,  0.02844238,  0.09375   ,
         0.09716797, -0.140625  , -0.12109375,  0.0177002 ,  0.18847656,
         0.09570312, -0.03857422, -0.03198242,  0.07421875,  0.04638672,
         0.03833008,  0.09375   , -0.09375   , -0.19824219, -0.30859375,
         0.17285156,  0.14941406,  0.09960938, -0.26757812,  0.13183594,
         0.09619141,  0.04174805, -0.38085938, -0.15917969, -0.0456543 ,
         0.0255127 ,  0.14941406, -0.23339844,  0.14746094, -0.03417969,
         0.04150391, -0.02233887,  0.25195312, -0.00549316,  0.06225586,
        -0.11962891,  0.06445312,  0.01263428, -0.22265625,  0.03833008,
         0.05493164, -0.05371094,  0.140625  ,  0.04077148, -0.20117188,
         0.25976562, -0.00518799,  0.00588989,  0.21191406,  0.08349609,
         0.0703125 , -0.01599121,  0.06494141,  0.2890625 , -0.01525879,
         0.1484375 , -0.05322266,  0.09521484, -0.11621094, -0.06347656,
         0.0559082 , -0.00515747,  0.3984375 ,  0.28515625,  0.24316406,
        -0.08544922, -0.08935547,  0.05126953, -0.00254822, -0.18847656,
         0.08886719,  0.07373047,  0.02770996, -0.06298828,  0.1875    ,
         0.07666016, -0.05834961,  0.12792969,  0.0703125 , -0.07080078,
        -0.37304688,  0.015625  , -0.07861328,  0.02075195,  0.18359375,
        -0.09667969, -0.14355469, -0.24414062, -0.06176758,  0.34960938,
        -0.00091171, -0.00215149,  0.18359375, -0.07861328, -0.18359375,
        -0.27539062,  0.19921875, -0.02099609, -0.05834961, -0.01245117,
         0.07421875,  0.1953125 , -0.02001953, -0.02416992,  0.00653076,
        -0.40234375, -0.17578125,  0.00344849,  0.2265625 ,  0.30078125],
       dtype=float32),
 'north': array([-0.04541016, -0.13769531,  0.03027344, -0.09277344,  0.138
67188,
         0.12451172, -0.23730469, -0.38085938, -0.15820312,  0.30273438,
         0.13378906,  0.11767578,  0.06640625,  0.09277344,  0.00405884,
        -0.18945312, -0.17382812,  0.05761719,  0.08691406, -0.06933594,
        -0.0135498 , -0.00915527, -0.20996094,  0.01855469,  0.29296875,
        -0.16113281, -0.10400391,  0.04736328,  0.16308594, -0.04541016,
         0.19140625,  0.09570312, -0.06445312, -0.1953125 , -0.18261719,
         0.1328125 ,  0.1484375 ,  0.07568359,  0.09228516,  0.14746094,
        -0.26953125, -0.05175781, -0.00823975, -0.02075195, -0.23828125,
         0.0291748 ,  0.07470703,  0.11572266, -0.10546875, -0.0534668 ,
         0.28125   , -0.01879883,  0.0859375 , -0.16308594, -0.26171875,
```

```
        -0.07470703, -0.14746094,  0.06347656, -0.02624512,  0.03564453,
        -0.11816406, -0.09472656,  0.11572266, -0.29492188,  0.04663086,
        -0.13085938, -0.16210938,  0.16308594, -0.10449219,  0.09423828,
         0.20898438, -0.00427246,  0.02258301,  0.10888672, -0.03808594,
        -0.05126953, -0.18847656, -0.14453125, -0.0189209 ,  0.18652344,
         0.171875  ,  0.09277344,  0.06591797, -0.08251953, -0.14160156,
         0.06445312, -0.27929688,  0.06201172,  0.10009766,  0.10009766,
        -0.26171875, -0.0859375 , -0.30664062,  0.0246582 , -0.16308594,
         0.171875  ,  0.00872803,  0.01409912,  0.10449219, -0.06835938,
         0.03637695,  0.03417969,  0.08740234,  0.14746094,  0.22460938,
        -0.0859375 , -0.078125  ,  0.04492188,  0.09765625, -0.21386719,
        -0.18164062, -0.13476562,  0.12597656, -0.14257812, -0.10107422,
        -0.08154297,  0.13378906,  0.12158203,  0.0480957 , -0.01483154,
         0.16796875,  0.13574219, -0.10791016,  0.01098633, -0.10839844,
        -0.03662109, -0.27148438, -0.00202942,  0.01226807, -0.00741577,
         0.01196289, -0.19140625,  0.19140625,  0.08886719, -0.06445312,
        -0.05883789, -0.05200195, -0.22265625, -0.06884766,  0.43359375,
        -0.11230469, -0.1015625 ,  0.13867188,  0.02624512,  0.09228516,
         0.03955078,  0.08203125, -0.0098877 , -0.125     , -0.19140625,
         0.14941406,  0.12011719,  0.16503906,  0.02539062, -0.03198242,
        -0.07324219,  0.04125977,  0.04736328,  0.1171875 ,  0.16210938,
         0.03735352,  0.07519531,  0.06152344, -0.17773438,  0.08251953,
         0.14160156,  0.29492188, -0.03710938,  0.0534668 ,  0.0201416 ,
        -0.15136719,  0.0559082 , -0.00418091, -0.0189209 ,  0.11181641,
        -0.19628906,  0.03039551,  0.12011719, -0.24414062, -0.05419922,
        -0.25390625, -0.08886719, -0.13378906,  0.01092529, -0.26367188,
        -0.04296875,  0.20507812,  0.15234375,  0.15527344,  0.09082031,
         0.14453125,  0.19042969, -0.10595703,  0.0123291 , -0.18847656,
         0.16015625, -0.06396484,  0.23828125,  0.13085938,  0.01574707,
         0.2265625 , -0.10351562,  0.11181641, -0.0703125 ,  0.16894531,
         0.03979492,  0.24316406,  0.06640625,  0.13867188, -0.00546265,
         0.05029297, -0.15527344, -0.0625    ,  0.19140625,  0.01477051,
         0.07861328,  0.02624512,  0.05126953, -0.06396484,  0.33007812,
        -0.07763672,  0.12451172,  0.09179688, -0.03198242, -0.0612793 ,
        -0.04882812,  0.125     ,  0.11425781, -0.09814453, -0.03515625,
         0.11669922, -0.17578125,  0.01843262,  0.0378418 , -0.06787109,
         0.06591797, -0.08056641, -0.13964844,  0.33007812, -0.01953125,
         0.07226562,  0.07666016,  0.21191406, -0.25      , -0.09960938,
         0.01635742,  0.05615234,  0.21386719,  0.17773438,  0.08251953,
         0.02416992, -0.0324707 ,  0.17675781,  0.23632812,  0.203125  ,
        -0.2578125 , -0.02160645,  0.18261719, -0.11279297,  0.02355957,
        -0.11572266, -0.17675781,  0.13183594,  0.20800781,  0.25976562,
         0.05151367, -0.1953125 , -0.12060547, -0.19628906, -0.00361633,
         0.02941895, -0.23242188,  0.05932617, -0.23242188,  0.15039062,
        -0.30078125, -0.11181641, -0.09130859, -0.06738281, -0.06152344,
         0.01367188, -0.10839844,  0.00518799,  0.12792969,  0.04174805,
         0.11132812, -0.296875  ,  0.1171875 , -0.07861328,  0.13476562,
        -0.12158203,  0.04516602, -0.19042969,  0.10839844,  0.03588867,
        -0.02807617, -0.09228516,  0.01544189,  0.41601562, -0.29882812],
       dtype=float32),
 'nebraska': array([-0.03417969, -0.16894531,  0.23632812,  0.29296875, -0.
078125  ,
         0.03735352, -0.01953125, -0.09667969, -0.05834961, -0.00402832,
        -0.05151367, -0.23339844, -0.30859375, -0.01037598,  0.06689453,
         0.15820312, -0.1484375 ,  0.08056641,  0.07373047, -0.03369141,
        -0.01159668, -0.15429688,  0.11279297, -0.05395508, -0.17285156,
         0.14257812, -0.10742188,  0.01367188, -0.08349609, -0.06445312,
         0.10644531,  0.20117188, -0.04785156, -0.02246094, -0.01953125,
         0.23144531, -0.05151367,  0.03149414,  0.2578125 ,  0.28710938,
         0.01538086, -0.05786133,  0.3125    ,  0.18847656, -0.03039551,
        -0.06103516,  0.20605469, -0.11132812, -0.11523438,  0.0559082 ,
        -0.10888672,  0.00567627,  0.19628906,  0.09082031, -0.06005859,
        -0.22851562, -0.10498047,  0.01977539,  0.06103516, -0.05175781,
        -0.20605469, -0.17578125, -0.06738281, -0.07763672,  0.00714111,
```

```
        -0.07324219, -0.02392578, -0.09423828,  0.14746094,  0.11669922,
         0.00059128,  0.19433594, -0.0456543 , -0.05126953, -0.02758789,
        -0.05664062, -0.03979492, -0.00540161, -0.02429199, -0.00848389,
        -0.06689453, -0.04296875, -0.20410156, -0.18945312,  0.109375  ,
         0.00265503,  0.07861328,  0.19042969,  0.12451172,  0.02148438,
        -0.01989746,  0.00424194, -0.14453125, -0.22070312, -0.17871094,
         0.21875   , -0.0006218 , -0.02026367,  0.12109375,  0.18359375,
         0.02478027,  0.04101562,  0.14160156,  0.0402832 ,  0.05957031,
         0.16601562, -0.06347656,  0.0279541 , -0.02355957, -0.13867188,
         0.00640869, -0.28515625,  0.03051758,  0.10644531,  0.38867188,
         0.13378906,  0.08349609, -0.09082031,  0.01953125, -0.22753906,
        -0.01159668, -0.19628906, -0.1640625 ,  0.03979492,  0.25195312,
        -0.19628906, -0.06542969,  0.08691406,  0.16601562, -0.09765625,
        -0.09228516, -0.21191406,  0.07470703,  0.12890625, -0.03344727,
        -0.09570312, -0.04199219, -0.09033203,  0.11523438,  0.00488281,
         0.16796875, -0.203125  ,  0.13476562,  0.09228516, -0.03881836,
         0.03686523, -0.12988281, -0.14355469,  0.10546875, -0.05688477,
         0.19921875, -0.10888672, -0.15722656, -0.16015625, -0.17480469,
        -0.33789062,  0.16308594,  0.15722656, -0.09667969,  0.00454712,
         0.1640625 ,  0.01019287,  0.02087402, -0.01818848,  0.06152344,
        -0.26953125,  0.04370117, -0.10742188, -0.05957031,  0.07861328,
        -0.31640625, -0.03222656,  0.0065918 , -0.03613281, -0.08837891,
        -0.03735352,  0.10986328,  0.0090332 , -0.02294922, -0.07568359,
        -0.04638672, -0.16699219,  0.10693359,  0.03686523, -0.06494141,
         0.06689453, -0.07421875,  0.16894531,  0.02331543,  0.16503906,
         0.19238281,  0.09277344, -0.19824219, -0.05249023,  0.25      ,
        -0.10107422, -0.15722656, -0.05151367, -0.11621094, -0.08984375,
        -0.25195312,  0.05664062,  0.07910156, -0.15527344, -0.03466797,
         0.13378906,  0.05908203, -0.17089844, -0.07666016,  0.15234375,
         0.07373047,  0.22753906, -0.13085938, -0.26171875, -0.17285156,
         0.15625   , -0.02062988, -0.05761719, -0.00424194, -0.12792969,
         0.125     , -0.11083984,  0.10693359, -0.12695312, -0.10400391,
        -0.13574219,  0.21191406,  0.19726562, -0.25976562, -0.15527344,
         0.17773438, -0.0246582 , -0.00384521,  0.07128906, -0.09863281,
         0.13378906,  0.25390625, -0.03198242,  0.10302734, -0.012146  ,
         0.2578125 ,  0.03466797,  0.09082031,  0.02978516, -0.23144531,
         0.11181641, -0.16699219,  0.20410156, -0.21582031, -0.27929688,
         0.30859375,  0.32617188,  0.02368164,  0.06030273,  0.04858398,
        -0.21679688, -0.11328125, -0.02612305,  0.14746094, -0.31640625,
         0.13964844, -0.03100586,  0.11572266,  0.01916504,  0.02978516,
         0.11523438,  0.04980469,  0.03540039,  0.01721191, -0.2265625 ,
        -0.03027344,  0.08984375, -0.07177734, -0.11669922,  0.06689453,
        -0.05615234, -0.03564453, -0.07519531, -0.10400391,  0.19335938,
        -0.25195312, -0.12060547,  0.18945312,  0.17675781, -0.16113281,
        -0.09326172,  0.07861328,  0.04467773, -0.04003906, -0.16503906,
        -0.04589844,  0.19921875, -0.00683594,  0.02429199, -0.04467773,
        -0.125     , -0.07080078, -0.08398438, -0.01696777,  0.10351562],
       dtype=float32),
 'iowa': array([-1.23291016e-02, -7.03125000e-02,  1.31835938e-01,  2.94921
875e-01,
        -6.25000000e-02,  2.11181641e-02, -1.57470703e-02, -6.49414062e-02,
        -3.02734375e-01,  9.08203125e-02, -7.95898438e-02, -2.65625000e-01,
        -2.32421875e-01,  5.54199219e-02,  1.77734375e-01,  1.95312500e-01,
        -2.83203125e-01,  2.79296875e-01,  6.00585938e-02, -6.00585938e-02,
        -1.15722656e-01, -2.34375000e-01,  1.55273438e-01,  3.14453125e-01,
        -3.63281250e-01,  1.36718750e-01, -1.73828125e-01,  3.63281250e-01,
        -8.20312500e-02,  1.50390625e-01, -2.28515625e-01,  1.86523438e-01,
         4.54101562e-02, -2.91015625e-01,  9.64355469e-03, -3.21960449e-03,
        -1.42578125e-01,  2.55859375e-01,  3.30078125e-01,  2.94921875e-01,
        -1.66015625e-01, -1.15234375e-01,  4.73632812e-02,  3.04687500e-01,
        -1.93359375e-01,  8.44726562e-02,  2.35351562e-01, -2.06054688e-01,
        -1.45507812e-01,  1.14135742e-02,  7.51953125e-02, -1.34277344e-02,
         1.77734375e-01,  3.22265625e-02, -1.99218750e-01, -4.54101562e-02,
        -1.25000000e-01,  2.68554688e-02, -1.06933594e-01, -1.06933594e-01,
```

```
        -1.20605469e-01, -2.61718750e-01, -2.69531250e-01,  9.70458984e-03,
        -3.32031250e-02, -2.79541016e-02,  1.72615051e-04, -6.00585938e-02,
         3.61328125e-02,  1.46484375e-01,  5.34057617e-03,  2.50000000e-01,
        -2.67333984e-02, -1.07910156e-01,  4.73022461e-03, -6.98242188e-02,
         1.16210938e-01, -5.46875000e-02, -4.71191406e-02, -6.12792969e-02,
        -2.08984375e-01, -3.35937500e-01,  4.22363281e-02, -1.65039062e-01,
         1.65039062e-01,  1.13769531e-01, -1.86523438e-01, -5.24902344e-02,
         3.10058594e-02,  2.77343750e-01, -1.72851562e-01,  6.83593750e-02,
        -1.04492188e-01,  9.81445312e-02, -1.26953125e-01,  1.50390625e-01,
         8.39843750e-02,  6.44531250e-02,  3.45703125e-01,  2.53906250e-01,
         2.05993652e-03, -2.80761719e-02,  2.11914062e-01, -9.52148438e-02,
        -2.79296875e-01,  9.81445312e-02,  3.71093750e-02,  2.30468750e-01,
         1.58691406e-02, -3.78906250e-01,  5.20019531e-02, -3.18359375e-01,
         1.04492188e-01,  2.43164062e-01,  1.52343750e-01,  3.04687500e-01,
         8.44726562e-02, -2.71484375e-01, -1.23046875e-01, -9.32617188e-02,
         1.91406250e-01, -2.30712891e-02, -1.49414062e-01, -1.01562500e-01,
         4.74609375e-01, -2.31445312e-01, -2.34375000e-01,  1.76757812e-01,
         1.15234375e-01,  3.02734375e-02, -2.81250000e-01, -2.71484375e-01,
         2.65625000e-01,  1.11083984e-02, -5.27343750e-01, -3.46679688e-02,
        -2.29492188e-01, -4.37011719e-02,  8.39843750e-02,  2.77099609e-02,
         1.58203125e-01, -3.12500000e-01,  2.05078125e-01, -3.59375000e-01,
        -8.11767578e-03,  7.56835938e-02, -1.71875000e-01, -2.00195312e-01,
         2.12890625e-01, -1.62109375e-01,  2.15820312e-01, -4.58984375e-01,
         9.47265625e-02,  1.27929688e-01, -1.59179688e-01, -3.53515625e-01,
         3.53515625e-01,  3.02734375e-01,  6.83593750e-02,  2.03857422e-02,
         1.32812500e-01,  4.73632812e-02, -7.95898438e-02,  1.73828125e-01,
         1.92382812e-01, -4.72656250e-01,  1.20117188e-01, -2.11914062e-01,
        -2.53906250e-01,  1.20605469e-01, -3.59375000e-01,  3.32031250e-01,
        -8.69140625e-02, -2.32421875e-01,  2.11914062e-01, -2.47070312e-01,
         1.84570312e-01, -6.93359375e-02,  2.80761719e-02, -2.22167969e-02,
        -3.73535156e-02, -1.36718750e-01, -1.66992188e-01,  6.92749023e-03,
        -1.97753906e-02,  2.12890625e-01, -2.38281250e-01,  1.15234375e-01,
         2.75390625e-01,  1.62109375e-01,  6.09375000e-01,  9.61914062e-02,
        -6.44531250e-02,  9.57031250e-02,  2.53906250e-01,  1.00097656e-01,
        -1.12304688e-01,  8.54492188e-02, -1.05957031e-01, -2.41210938e-01,
        -2.92968750e-01,  1.57226562e-01,  6.54296875e-02, -4.41406250e-01,
        -5.34667969e-02, -3.03955078e-02,  3.73046875e-01, -3.08593750e-01,
        -8.88671875e-02,  2.75390625e-01, -4.42504883e-03,  2.31445312e-01,
        -3.66210938e-02, -2.17773438e-01, -1.25976562e-01,  8.44726562e-02,
         2.46093750e-01, -1.43554688e-01,  1.23535156e-01, -1.00585938e-01,
        -7.76367188e-02, -1.45507812e-01,  2.43164062e-01,  1.56250000e-01,
         9.27734375e-02, -2.39257812e-01,  4.83398438e-02,  3.55468750e-01,
        -1.33789062e-01, -2.43164062e-01,  1.51367188e-01, -6.83593750e-02,
         9.13085938e-02,  1.20605469e-01, -8.05664062e-02,  1.05468750e-01,
         1.86523438e-01,  1.50390625e-01, -7.56835938e-02,  2.02148438e-01,
         4.62890625e-01, -1.50390625e-01,  1.30859375e-01,  2.73437500e-02,
        -1.59179688e-01,  1.95312500e-01, -8.39843750e-02,  3.55468750e-01,
        -3.18359375e-01, -4.21875000e-01,  2.06054688e-01,  1.23046875e-01,
         2.73437500e-01, -4.58984375e-02,  4.02343750e-01, -4.94140625e-01,
        -1.71875000e-01,  5.93261719e-02,  2.42187500e-01, -3.47656250e-01,
         1.74804688e-01,  6.88476562e-02,  3.00781250e-01, -2.00195312e-01,
        -9.17968750e-02,  5.10253906e-02,  1.53320312e-01,  1.89453125e-01,
         4.29687500e-02,  1.10351562e-01, -8.05664062e-02, -1.79443359e-02,
         1.38671875e-01, -2.42187500e-01, -2.14843750e-01, -3.53515625e-01,
         1.53320312e-01, -6.83593750e-02, -1.39648438e-01,  1.31835938e-01,
        -1.57226562e-01, -9.52148438e-02,  4.96093750e-01,  3.16406250e-01,
        -1.51367188e-01, -1.98242188e-01, -1.55639648e-02,  1.59179688e-01,
         8.88671875e-02, -2.24609375e-01, -1.11816406e-01,  2.08007812e-01,
         1.58203125e-01, -9.57031250e-02,  2.44140625e-01, -2.41210938e-01,
        -4.02832031e-02, -2.87109375e-01, -7.81250000e-02,  4.98046875e-0
2],
       dtype=float32),
 'virginia': array([ 6.49414062e-02,  7.56835938e-02,  3.36914062e-02,  3.3
0078125e-01,
```

```
 2.43164062e-01,  1.01562500e-01, -2.96875000e-01,  1.63574219e-02,
-2.66113281e-02,  3.27148438e-02, -1.00097656e-01, -2.42187500e-01,
-3.02734375e-01, -1.73828125e-01, -1.07574463e-03,  3.84765625e-01,
-2.49023438e-01,  1.72119141e-02,  1.69921875e-01, -2.75878906e-02,
 6.98242188e-02, -9.91210938e-02, -4.17480469e-02,  4.05273438e-02,
-2.98828125e-01,  1.87500000e-01, -2.17773438e-01,  2.77343750e-01,
-1.25000000e-01, -4.76074219e-02,  4.21875000e-01,  1.23535156e-01,
-1.54296875e-01, -2.21679688e-01,  1.42578125e-01, -9.81445312e-02,
-2.03125000e-01, -1.84326172e-02,  2.57812500e-01,  1.19140625e-01,
-2.16064453e-02, -4.60815430e-03,  1.74804688e-01,  1.37329102e-02,
 2.21679688e-01, -4.44335938e-02,  1.89453125e-01,  1.35742188e-01,
-1.58203125e-01, -1.08398438e-01,  2.18391418e-04,  2.61718750e-01,
 2.53906250e-01,  1.90429688e-01, -1.36718750e-01, -1.27929688e-01,
-3.41796875e-01, -8.59375000e-02, -1.21582031e-01, -4.29687500e-01,
-8.20312500e-02, -2.22656250e-01, -3.14453125e-01, -2.00195312e-01,
-5.44433594e-02, -2.17773438e-01,  6.03027344e-02, -2.09960938e-01,
-2.89062500e-01,  9.86328125e-02,  9.03320312e-02,  2.69531250e-01,
-1.62109375e-01,  1.18164062e-01,  3.12500000e-02,  1.07910156e-01,
 1.77734375e-01, -1.73828125e-01, -2.63671875e-02, -1.29882812e-01,
-4.96093750e-01,  1.81640625e-01, -6.98852539e-03, -1.33789062e-01,
 2.77343750e-01,  4.31640625e-01, -8.25195312e-02,  1.92382812e-01,
 7.81250000e-02, -9.76562500e-02,  1.01562500e-01,  5.02929688e-02,
-1.24511719e-01, -1.22070312e-02, -7.12890625e-02,  4.62890625e-01,
 3.80859375e-02, -1.52343750e-01,  2.59765625e-01,  1.33789062e-01,
-1.48437500e-01,  8.10546875e-02,  1.01562500e-01, -3.01513672e-02,
 1.66015625e-02,  2.83203125e-01, -9.71679688e-02,  8.10546875e-02,
 5.24902344e-03, -3.10546875e-01, -1.66015625e-01, -2.26562500e-01,
 6.29882812e-02,  1.79687500e-01,  2.04101562e-01,  1.37695312e-01,
 6.88476562e-02, -8.69140625e-02,  2.61718750e-01, -1.49414062e-01,
 1.18408203e-02,  5.02929688e-02, -8.15429688e-02,  4.63867188e-02,
 4.33593750e-01, -1.25976562e-01, -9.37500000e-02,  1.79443359e-02,
 5.17578125e-02,  1.28906250e-01, -2.22656250e-01, -2.18750000e-01,
 1.20117188e-01,  2.31445312e-01, -2.96875000e-01, -4.37011719e-02,
-1.28906250e-01,  1.29882812e-01,  2.92968750e-01,  1.09863281e-01,
 6.13281250e-01,  1.44042969e-02, -4.56542969e-02,  5.22460938e-02,
 6.39648438e-02, -1.94335938e-01, -2.65625000e-01, -1.14746094e-01,
 1.52343750e-01, -1.22070312e-02,  1.48437500e-01, -2.37304688e-01,
 1.31835938e-01, -6.44531250e-02, -3.94531250e-01, -3.06640625e-01,
 9.76562500e-02,  2.45117188e-01, -2.08007812e-01,  2.30468750e-01,
-1.19628906e-01,  7.17773438e-02, -7.71484375e-02,  7.17773438e-02,
 3.34472656e-02, -1.66015625e-01,  9.61914062e-02, -1.38671875e-01,
-3.12500000e-01,  2.03125000e-01, -5.39062500e-01,  3.55468750e-01,
 2.12890625e-01, -6.00585938e-02,  1.77383423e-04,  9.17968750e-02,
 4.32128906e-02, -1.59179688e-01,  2.92968750e-01, -9.47265625e-02,
-2.96875000e-01, -1.92382812e-01, -1.99218750e-01, -1.86523438e-01,
 1.80664062e-01,  2.41210938e-01, -1.25000000e-01, -1.04370117e-02,
 3.61328125e-01, -1.79443359e-02,  7.66601562e-02,  6.83593750e-02,
-2.53906250e-01,  9.52148438e-02,  4.56542969e-02,  2.55859375e-01,
-1.50390625e-01, -8.93554688e-02,  1.87500000e-01, -3.69140625e-01,
-1.24023438e-01,  1.70898438e-02,  9.32617188e-02, -1.89453125e-01,
-1.94335938e-01,  1.73828125e-01,  8.98437500e-02, -2.83203125e-01,
-1.17675781e-01,  4.61425781e-02,  1.91406250e-01,  1.80664062e-01,
-4.33593750e-01, -1.75781250e-01, -6.98242188e-02, -3.63159180e-03,
 2.75390625e-01, -1.31835938e-01, -3.14941406e-02, -6.98242188e-02,
 3.49121094e-02, -1.28906250e-01,  2.32421875e-01, -1.66015625e-01,
-1.33789062e-01, -1.82617188e-01,  5.61523438e-02,  1.34765625e-01,
-1.74804688e-01,  6.68945312e-02,  2.73437500e-01, -2.52685547e-02,
-6.17675781e-02, -2.18750000e-01, -3.78906250e-01,  2.00195312e-01,
 1.05468750e-01, -1.25000000e-01,  1.10351562e-01,  3.92578125e-01,
 1.40625000e-01, -3.49121094e-02,  8.54492188e-04,  2.51953125e-01,
-3.49609375e-01,  9.22851562e-02,  1.69921875e-01,  2.69531250e-01,
-2.81250000e-01, -1.12304688e-01,  3.43750000e-01,  4.53125000e-01,
 2.57812500e-01, -2.25585938e-01,  5.09643555e-03, -3.76953125e-01,
 2.14843750e-02,  2.79296875e-01,  2.28515625e-01, -1.48437500e-01,
```

```
         8.93554688e-02, -6.83593750e-02,  1.35742188e-01, -1.05957031e-01,
         3.00781250e-01,  2.38281250e-01, -1.39617920e-03, -2.15820312e-01,
        -1.54296875e-01, -2.50000000e-01, -1.68945312e-01,  4.15039062e-02,
         1.80664062e-02, -2.61230469e-02, -8.16345215e-04, -9.96093750e-02,
        -4.34570312e-02, -2.85156250e-01, -2.01171875e-01,  4.44335938e-02,
        -8.39843750e-02,  8.34960938e-02,  3.30078125e-01, -4.18090820e-03,
        -1.94091797e-02, -2.30468750e-01,  5.12695312e-02,  8.34960938e-02,
        -9.03320312e-02, -6.10351562e-02,  1.59179688e-01,  4.41894531e-02,
         8.05664062e-02,  1.68945312e-01,  4.56542969e-02, -3.51562500e-01,
        -1.62353516e-02, -3.90625000e-01, -2.08984375e-01,  2.21679688e-0
1],
       dtype=float32),
 'island': array([ 3.71093750e-02, -5.63964844e-02, -1.26953125e-01, -5.541
99219e-02,
        -2.58789062e-02, -5.00488281e-02, -1.61132812e-01, -2.02148438e-01,
         1.25976562e-01,  2.31445312e-01,  5.95703125e-02, -3.08593750e-01,
         4.61425781e-02, -1.81640625e-01, -1.92871094e-02,  2.46093750e-01,
        -1.15234375e-01,  2.01171875e-01,  1.37695312e-01,  3.41796875e-01,
         1.60156250e-01, -2.26562500e-01,  2.29492188e-01,  1.08886719e-01,
         2.57812500e-01,  1.61743164e-03, -6.59179688e-02,  8.93554688e-02,
         1.03515625e-01,  3.39355469e-02,  1.40625000e-01, -9.42382812e-02,
        -1.97265625e-01,  1.85546875e-01,  1.40625000e-01, -1.26953125e-01,
        -1.46484375e-01, -2.89306641e-02,  7.76367188e-02,  9.81445312e-02,
        -2.00195312e-01,  2.28515625e-01,  5.56640625e-02,  1.84570312e-01,
        -2.80761719e-02, -1.75781250e-01, -1.87500000e-01, -2.90527344e-02,
         3.19824219e-02,  2.11181641e-02,  3.08593750e-01,  3.46679688e-02,
         1.73828125e-01,  9.39941406e-03, -8.88671875e-02,  2.17285156e-02,
        -3.28125000e-01, -1.80664062e-01,  7.99560547e-03, -7.47070312e-02,
        -3.26156616e-04, -1.25976562e-01, -8.72802734e-03, -8.49609375e-02,
         3.73046875e-01,  1.47094727e-02, -7.81250000e-02, -1.26953125e-01,
        -1.37695312e-01,  7.93457031e-03, -8.15429688e-02, -1.76757812e-01,
        -9.94873047e-03, -1.09252930e-02,  6.74438477e-03, -1.14257812e-01,
         1.08398438e-01, -1.81640625e-01, -9.57031250e-02, -1.50390625e-01,
         1.37695312e-01, -2.16064453e-02, -2.01171875e-01, -9.71679688e-02,
        -4.19921875e-02, -3.61328125e-02, -2.33398438e-01, -4.88281250e-02,
         2.34375000e-01,  4.32128906e-02,  1.57226562e-01, -1.41601562e-02,
        -2.00195312e-01,  1.44195557e-03, -7.47070312e-02,  2.96875000e-01,
         2.08007812e-01, -2.06054688e-01,  3.34472656e-02,  5.34667969e-02,
         3.27148438e-02,  3.76953125e-01,  1.75781250e-01,  1.95312500e-02,
         4.46777344e-02,  4.80957031e-02,  1.42211914e-02, -1.95312500e-01,
         1.97265625e-01,  1.03515625e-01, -3.96484375e-01,  7.08007812e-02,
         1.66015625e-01,  8.59375000e-02, -1.54876709e-03, -1.45507812e-01,
        -9.22851562e-02, -2.83203125e-01,  3.66210938e-02, -6.44531250e-02,
        -2.67578125e-01, -1.00708008e-02, -7.66601562e-02,  1.74804688e-01,
         1.52587891e-02,  4.58984375e-02,  5.02929688e-02, -1.78710938e-01,
        -1.76757812e-01,  1.25976562e-01,  1.08886719e-01,  4.17480469e-02,
         7.53784180e-03,  2.98828125e-01, -1.12792969e-01, -6.64062500e-02,
        -1.94335938e-01, -1.84570312e-01,  6.83593750e-02, -3.68652344e-02,
        -2.31445312e-01, -1.84570312e-01,  1.44531250e-01,  3.69140625e-01,
         9.76562500e-02,  2.09960938e-02, -1.70898438e-01,  7.37304688e-02,
        -1.17187500e-01,  1.84570312e-01,  8.10546875e-02,  5.32226562e-02,
        -8.25195312e-02, -1.19140625e-01,  2.51953125e-01, -1.39648438e-01,
        -8.15429688e-02, -1.74804688e-01,  3.90625000e-01,  2.85156250e-01,
        -5.17578125e-02,  1.88476562e-01,  8.25195312e-02, -1.63085938e-01,
        -3.18908691e-03, -5.07812500e-02,  6.03027344e-02,  8.10546875e-02,
        -2.99453735e-04,  4.10156250e-02,  1.26953125e-01,  3.80859375e-01,
         1.80664062e-01, -4.41894531e-02, -2.39257812e-01,  5.54199219e-02,
         8.85009766e-03, -3.93066406e-02, -1.09863281e-01,  1.36718750e-01,
        -3.10546875e-01, -2.05078125e-01,  1.09863281e-02,  5.61523438e-02,
        -1.14746094e-02, -2.07519531e-02, -6.73828125e-02, -2.83203125e-01,
         4.78515625e-01, -1.44531250e-01,  2.65625000e-01, -1.89453125e-01,
        -4.15039062e-02, -2.72216797e-02,  1.20849609e-02,  1.68945312e-01,
         1.50756836e-02,  2.27539062e-01, -1.70898438e-01, -1.90429688e-01,
         9.96093750e-02, -1.48437500e-01, -1.32812500e-01, -1.69921875e-01,
```

```
        -8.78906250e-02,  1.57470703e-02,  1.87500000e-01, -4.37011719e-02,
        -2.50000000e-01, -2.51953125e-01, -2.38037109e-02, -8.78906250e-02,
        -1.74804688e-01,  1.01562500e-01, -1.07421875e-01,  2.56347656e-02,
         9.91210938e-02,  7.95898438e-02,  2.41699219e-02,  7.42187500e-02,
         2.23632812e-01,  1.59179688e-01, -1.78222656e-02, -1.43554688e-01,
        -4.27246094e-02, -7.95898438e-02,  2.45117188e-01,  2.59765625e-01,
         1.81884766e-02,  1.21093750e-01,  2.41699219e-02, -2.33398438e-01,
        -1.85546875e-01, -1.30859375e-01,  1.67968750e-01,  9.52148438e-02,
         6.54296875e-02, -2.13623047e-02,  2.18750000e-01,  2.13623047e-02,
         6.39648438e-02, -1.04492188e-01,  1.35742188e-01, -9.76562500e-02,
         1.95312500e-01, -1.99218750e-01,  8.69140625e-02,  4.54101562e-02,
         3.90625000e-01, -1.93359375e-01, -3.71093750e-01, -1.31835938e-01,
         2.67578125e-01,  2.61718750e-01, -8.39843750e-02, -3.02734375e-01,
         2.53906250e-01,  6.00585938e-02, -1.78710938e-01,  7.32421875e-02,
         8.83789062e-02, -9.94873047e-03, -8.15429688e-02,  3.55529785e-03,
        -4.05273438e-02, -2.26562500e-01, -3.04687500e-01, -9.71679688e-02,
        -1.64062500e-01, -1.43554688e-01, -5.66406250e-02,  1.13487244e-04,
         3.27148438e-02,  1.51367188e-01, -5.41992188e-02,  1.63574219e-02,
        -1.95312500e-01, -1.34765625e-01, -1.89453125e-01,  3.39355469e-02,
        -2.38281250e-01, -1.18164062e-01,  2.51953125e-01, -4.24804688e-02,
         1.66992188e-01, -2.32421875e-01, -4.84375000e-01,  2.61718750e-01,
        -1.71875000e-01,  1.17187500e-01, -1.47460938e-01, -2.70843506e-04,
        -2.83203125e-01,  4.54101562e-02,  1.24023438e-01,  3.93066406e-02,
        -4.58984375e-01, -7.95898438e-02,  3.26171875e-01,  1.15722656e-0
1],
       dtype=float32),
 'eligible': array([ 1.42822266e-02, -8.83789062e-02, -5.22460938e-02,  1.2
5976562e-01,
         3.29589844e-02, -2.16484070e-04,  1.02050781e-01,  1.10839844e-01,
         2.73437500e-01, -1.67968750e-01, -2.75390625e-01, -6.73828125e-02,
        -7.95898438e-02, -2.02636719e-02, -8.05664062e-02,  1.28906250e-01,
         2.83203125e-01, -3.49609375e-01, -5.61523438e-03,  2.15820312e-01,
        -1.41601562e-01, -1.66992188e-01, -2.65625000e-01,  1.82617188e-01,
         1.50390625e-01, -2.85156250e-01, -2.00195312e-01, -1.98242188e-01,
         8.74023438e-02,  5.81054688e-02, -1.53320312e-01, -4.39453125e-02,
         2.87109375e-01, -1.23535156e-01,  2.33398438e-01, -2.13867188e-01,
         6.44531250e-02, -1.31835938e-01, -2.14843750e-02,  2.94921875e-01,
         1.18652344e-01, -1.04492188e-01,  2.46582031e-02, -1.41601562e-01,
        -4.19921875e-02, -2.39257812e-01, -9.03320312e-02,  1.87988281e-02,
        -2.45117188e-01, -4.49218750e-02, -2.17773438e-01, -2.12890625e-01,
         3.23486328e-03,  1.58203125e-01, -1.77734375e-01,  5.44433594e-02,
        -6.22558594e-02, -7.71484375e-02, -1.80664062e-01, -7.71484375e-02,
        -5.83496094e-02, -5.88989258e-03, -2.77099609e-02, -8.17871094e-03,
         1.08398438e-01,  7.65991211e-03,  6.10351562e-02,  2.14843750e-01,
        -1.17187500e-01, -3.63159180e-03, -9.03320312e-02, -1.38671875e-01,
         1.68457031e-02,  6.73828125e-02,  6.59179688e-02, -2.79296875e-01,
         2.71484375e-01,  2.85156250e-01, -3.19824219e-02,  1.09863281e-01,
         1.25000000e-01, -9.42382812e-02, -2.29492188e-01,  5.39062500e-01,
        -1.48315430e-02, -3.46679688e-02, -1.76757812e-01,  1.70898438e-02,
         4.16015625e-01, -2.04101562e-01, -1.54296875e-01,  1.31835938e-01,
         7.27539062e-02, -2.63671875e-01,  1.54418945e-02,  7.66601562e-02,
         3.71093750e-01, -1.82617188e-01, -9.66796875e-02, -1.56250000e-01,
         1.21093750e-01,  1.20117188e-01, -2.51953125e-01,  1.94335938e-01,
        -3.33984375e-01, -5.15625000e-01, -2.71484375e-01, -3.49609375e-01,
         1.20117188e-01,  1.92382812e-01,  2.08007812e-01,  9.71679688e-02,
        -2.59765625e-01, -4.44335938e-02,  7.12890625e-02,  1.04003906e-01,
         6.78710938e-02, -8.00781250e-02,  3.10546875e-01, -1.88476562e-01,
         3.93066406e-02,  7.27539062e-02,  1.91406250e-01,  1.47460938e-01,
         2.19726562e-01,  7.56835938e-02,  1.67236328e-02, -7.95898438e-02,
         1.50146484e-02,  1.05957031e-01,  1.47460938e-01,  1.53320312e-01,
        -3.02734375e-01,  4.32128906e-02, -2.27539062e-01, -4.72656250e-01,
        -5.62500000e-01,  1.56250000e-01,  1.26953125e-01,  4.35546875e-01,
        -1.70898438e-01,  2.05078125e-01,  8.78906250e-02, -4.19921875e-02,
         8.59375000e-02, -1.43554688e-01, -8.05664062e-02, -5.07812500e-02,
```

```
        -1.98242188e-01, -2.38281250e-01,  5.22613525e-04,  1.79687500e-01,
        -1.15234375e-01, -7.91015625e-02,  7.37304688e-02, -2.78320312e-02,
        -7.37304688e-02, -1.07421875e-01,  6.80541992e-03, -2.26562500e-01,
        -8.72802734e-03, -7.27539062e-02,  2.67578125e-01,  7.27539062e-02,
         1.02050781e-01, -2.05078125e-02,  5.81054688e-02,  2.04101562e-01,
         2.07031250e-01, -1.22558594e-01, -1.97753906e-02, -2.55859375e-01,
        -1.83593750e-01, -4.54101562e-02,  6.34765625e-02,  8.78906250e-02,
         4.22363281e-02, -2.18750000e-01, -1.45507812e-01,  1.81640625e-01,
        -1.80664062e-01, -3.12500000e-01, -9.32617188e-02,  1.43554688e-01,
        -2.08007812e-01, -2.44140625e-03,  4.44335938e-02,  1.03027344e-01,
         2.48046875e-01,  3.08837891e-02, -8.00781250e-02, -1.20605469e-01,
        -1.57470703e-02, -3.59375000e-01,  9.76562500e-02,  1.66015625e-01,
         2.28515625e-01, -9.52148438e-02, -1.18164062e-01, -2.30468750e-01,
         1.11328125e-01,  1.58203125e-01,  1.74804688e-01, -1.02050781e-01,
        -3.14941406e-02, -2.63671875e-01,  2.74658203e-02,  1.18652344e-01,
         1.37695312e-01, -1.99218750e-01,  3.73535156e-02,  2.75390625e-01,
        -1.64794922e-02,  1.98242188e-01, -2.70996094e-02,  4.04296875e-01,
        -1.96289062e-01, -9.15527344e-03, -1.18164062e-01, -1.66015625e-01,
         2.96630859e-02, -9.47265625e-02, -6.29882812e-02,  1.58203125e-01,
         1.97265625e-01,  7.51953125e-02,  2.69531250e-01,  2.90527344e-02,
        -1.01562500e-01, -4.35546875e-01,  5.88378906e-02,  9.37500000e-02,
         3.16406250e-01,  3.47656250e-01, -7.12890625e-02, -1.83105469e-02,
         1.08398438e-01, -2.75390625e-01,  4.07714844e-02, -7.12890625e-02,
        -4.66918945e-03,  1.73828125e-01,  5.02929688e-02,  4.24804688e-02,
        -2.61718750e-01,  7.08007812e-02,  5.71289062e-02,  2.32421875e-01,
         9.22851562e-02, -4.19921875e-01, -6.59179688e-02, -1.31835938e-01,
         2.57568359e-02, -5.44433594e-02,  1.31835938e-01,  4.39453125e-01,
         9.76562500e-02,  2.66113281e-02, -5.78613281e-02,  1.03515625e-01,
        -2.40478516e-02, -7.32421875e-02, -3.73046875e-01,  1.18164062e-01,
         2.08007812e-01, -6.00585938e-02,  2.47070312e-01,  2.75390625e-01,
        -9.03320312e-03, -2.69531250e-01,  2.65625000e-01, -4.68750000e-02,
         3.35937500e-01,  1.66015625e-01,  3.71093750e-02, -3.14453125e-01,
        -9.86328125e-02, -1.20117188e-01, -8.34960938e-02,  3.02734375e-01,
        -2.20947266e-02,  7.17773438e-02, -1.00097656e-01,  5.05371094e-02,
        -2.42187500e-01, -5.00488281e-02,  1.05468750e-01,  4.02343750e-01,
         1.50390625e-01, -2.38281250e-01,  2.60009766e-02,  1.69677734e-02,
        -1.40625000e-01, -4.04296875e-01,  4.57031250e-01,  1.50390625e-01,
        -2.50244141e-02, -1.69921875e-01,  1.83105469e-02, -1.51367188e-0
1],
       dtype=float32),
 'specify': array([-0.05859375, -0.34765625,  0.19628906, -0.19335938, -0.0
6640625,
         0.06176758,  0.45703125, -0.0025177 ,  0.17773438, -0.25585938,
        -0.19628906, -0.08496094, -0.02404785,  0.25195312, -0.27929688,
         0.20117188, -0.30859375, -0.05126953, -0.21484375, -0.08544922,
        -0.1796875 , -0.03295898, -0.33984375,  0.30664062,  0.13476562,
        -0.05395508, -0.12158203, -0.04272461,  0.14941406, -0.14160156,
        -0.49609375, -0.22070312, -0.05395508,  0.26367188, -0.17871094,
        -0.34179688,  0.07470703, -0.04345703,  0.02844238,  0.17773438,
         0.34570312,  0.2890625 ,  0.21875   , -0.37109375, -0.23925781,
        -0.20117188,  0.05029297,  0.13085938, -0.265625  ,  0.08642578,
         0.20019531, -0.21972656,  0.12695312, -0.13183594, -0.27734375,
         0.078125  , -0.22558594,  0.03393555,  0.15820312,  0.06176758,
        -0.12792969,  0.0480957 , -0.22363281,  0.11376953,  0.20703125,
        -0.10009766, -0.12597656, -0.0111084 , -0.02270508,  0.36523438,
         0.14746094,  0.4765625 ,  0.10253906,  0.17285156, -0.34765625,
         0.02697754,  0.18164062,  0.09863281,  0.00552368,  0.04833984,
        -0.11523438,  0.11962891, -0.20800781,  0.38085938, -0.07861328,
        -0.13671875, -0.30664062,  0.25976562, -0.12597656, -0.20898438,
         0.05322266, -0.03710938, -0.13476562, -0.16210938,  0.55859375,
        -0.25585938, -0.01348877, -0.17480469, -0.40625   ,  0.04516602,
        -0.01367188,  0.12402344, -0.13378906, -0.08935547, -0.23925781,
        -0.06494141,  0.09521484, -0.11083984,  0.05200195,  0.17871094,
        -0.12988281, -0.25976562, -0.11572266, -0.30859375,  0.17773438,
```

```
        -0.23535156,  0.10302734, -0.25390625,  0.38085938,  0.21289062,
        -0.2890625 ,  0.17578125, -0.03344727,  0.29101562,  0.00604248,
        -0.26367188,  0.05834961, -0.01104736,  0.06689453, -0.01855469,
         0.19433594, -0.25390625,  0.03857422, -0.125     ,  0.26757812,
        -0.17480469, -0.25585938,  0.09765625,  0.14160156,  0.12695312,
        -0.02978516,  0.17871094, -0.33007812, -0.14648438,  0.09960938,
         0.1640625 , -0.0189209 , -0.18457031, -0.125     ,  0.13867188,
         0.22363281,  0.2109375 , -0.10107422, -0.15332031, -0.00144958,
        -0.03588867, -0.13476562,  0.21777344, -0.02233887,  0.14746094,
         0.23535156,  0.23535156,  0.01391602, -0.12304688,  0.23144531,
         0.15234375, -0.12255859, -0.10107422, -0.06396484, -0.09960938,
         0.09667969, -0.17675781, -0.10839844, -0.08789062,  0.12988281,
        -0.12304688,  0.74609375, -0.15625   , -0.1015625 , -0.24511719,
        -0.26953125, -0.22070312, -0.02368164,  0.07470703,  0.23925781,
         0.19921875,  0.12011719,  0.29296875, -0.15820312,  0.07470703,
         0.0703125 , -0.41796875,  0.04833984,  0.00805664,  0.14355469,
         0.13964844,  0.20507812, -0.29882812,  0.25390625, -0.33398438,
         0.32617188,  0.06591797, -0.1328125 ,  0.36914062, -0.23730469,
         0.16796875, -0.171875  ,  0.06884766,  0.01550293, -0.19042969,
         0.10839844, -0.13769531, -0.02685547, -0.09179688, -0.3359375 ,
        -0.23144531,  0.43945312, -0.06494141, -0.20507812, -0.15722656,
        -0.06689453, -0.19726562, -0.23046875, -0.17773438,  0.24707031,
         0.13671875,  0.05688477,  0.28515625,  0.05322266,  0.22167969,
         0.0625    ,  0.21484375, -0.23339844,  0.12890625,  0.35742188,
        -0.20898438,  0.18652344, -0.12158203,  0.15039062, -0.27734375,
        -0.2734375 ,  0.05517578, -0.12304688,  0.08398438,  0.02282715,
        -0.1328125 , -0.24121094,  0.26171875,  0.43554688, -0.28320312,
        -0.15625   ,  0.27734375, -0.14746094, -0.23046875, -0.02539062,
        -0.01696777, -0.14550781,  0.01745605, -0.00952148, -0.30078125,
         0.04663086, -0.16503906, -0.45507812, -0.03686523,  0.04541016,
         0.08691406,  0.10791016, -0.25195312,  0.27539062, -0.12988281,
         0.06079102, -0.22558594,  0.2578125 , -0.140625  , -0.16308594,
        -0.29882812, -0.02636719, -0.41210938, -0.13769531, -0.02612305,
        -0.00469971,  0.17089844, -0.14257812, -0.01556396,  0.328125  ,
        -0.0559082 , -0.03125   ,  0.19824219, -0.03417969, -0.02954102,
         0.16699219, -0.38867188,  0.19921875, -0.0612793 ,  0.18066406,
         0.10986328,  0.25585938, -0.12402344, -0.0055542 , -0.3203125 ],
       dtype=float32),
 'eligibility': array([ 1.69921875e-01,  2.19726562e-01,  1.57226562e-01,
1.00097656e-01,
         2.87109375e-01, -1.06445312e-01,  3.96484375e-01, -1.67236328e-02,
        -2.20703125e-01, -2.51953125e-01,  2.72216797e-02, -2.14843750e-01,
        -1.89453125e-01,  1.41601562e-01, -1.13281250e-01,  1.77734375e-01,
         5.85937500e-01, -5.71289062e-02, -1.87500000e-01,  1.47094727e-02,
        -2.17773438e-01, -1.00097656e-01, -1.82617188e-01,  6.28906250e-01,
         6.05468750e-02, -3.76953125e-01, -2.94921875e-01,  1.72119141e-02,
         6.49414062e-02,  3.69140625e-01,  8.64257812e-02,  1.53320312e-01,
         3.18359375e-01, -2.92968750e-01,  1.41601562e-01, -1.26953125e-01,
        -7.61718750e-02, -1.00585938e-01,  2.61230469e-02,  1.56250000e-01,
        -1.36718750e-01, -2.48046875e-01, -4.05273438e-02,  4.54101562e-02,
         1.86767578e-02, -1.02050781e-01, -2.63671875e-01,  3.02734375e-01,
        -2.21679688e-01, -5.82885742e-03, -1.42578125e-01, -2.79296875e-01,
        -3.93066406e-02, -6.20117188e-02, -1.08886719e-01,  1.10351562e-01,
        -5.51757812e-02,  1.32812500e-01, -1.10839844e-01, -1.10351562e-01,
         5.66406250e-02,  6.59179688e-02,  1.82617188e-01,  2.96875000e-01,
         7.56835938e-02,  1.44531250e-01,  1.50390625e-01,  2.57812500e-01,
         1.20117188e-01, -8.20312500e-02, -1.43554688e-01, -1.37695312e-01,
        -1.63085938e-01, -2.50000000e-01, -1.84570312e-01, -3.10546875e-01,
         2.50000000e-01,  8.05664062e-02,  1.44531250e-01,  4.16015625e-01,
         1.42578125e-01, -1.37695312e-01, -2.75390625e-01,  2.75390625e-01,
         6.77490234e-03,  1.45507812e-01, -1.04980469e-01,  2.71484375e-01,
         1.76757812e-01, -2.08007812e-01, -1.63085938e-01,  4.27246094e-02,
         9.86328125e-02, -2.85156250e-01,  2.31445312e-01,  2.23388672e-02,
         1.46484375e-01, -2.92968750e-01, -2.49023438e-01, -2.51953125e-01,
```

```
         1.02050781e-01,  6.64062500e-02, -8.66699219e-03,  4.63867188e-02,
        -3.76953125e-01, -6.32812500e-01, -2.69531250e-01, -3.17382812e-02,
        -2.28271484e-02, -1.79443359e-02,  1.00097656e-01,  1.10351562e-01,
        -2.74658203e-02,  2.04101562e-01, -1.66992188e-01,  9.37500000e-02,
        -1.22680664e-02, -1.04980469e-02,  3.49609375e-01, -2.43164062e-01,
        -2.57812500e-01,  1.58203125e-01,  2.96875000e-01,  3.49609375e-01,
         4.60937500e-01, -2.01171875e-01, -6.22558594e-02,  2.14843750e-01,
        -1.44531250e-01,  1.10351562e-01,  2.79296875e-01, -6.13403320e-03,
        -4.29687500e-01, -1.89453125e-01, -1.57226562e-01, -3.55468750e-01,
        -3.84765625e-01,  2.23632812e-01,  1.70898438e-01,  3.96484375e-01,
        -2.12669373e-04,  7.03125000e-02, -1.31835938e-01,  3.57421875e-01,
         1.72851562e-01, -4.39453125e-03, -1.64062500e-01,  1.41601562e-01,
        -2.30712891e-02,  2.94921875e-01, -1.25000000e-01,  1.62109375e-01,
         9.47265625e-02,  1.34887695e-02,  4.08935547e-03, -1.58203125e-01,
         2.31445312e-01, -2.07031250e-01, -5.54199219e-02, -2.71484375e-01,
        -1.95312500e-01, -7.17773438e-02,  3.55468750e-01, -6.88476562e-02,
        -1.14257812e-01, -2.14843750e-01, -3.17382812e-02,  1.73828125e-01,
        -7.95898438e-02,  1.27929688e-01,  1.68945312e-01, -2.44140625e-01,
        -1.26953125e-01, -1.14257812e-01,  1.08398438e-01, -1.56250000e-01,
         1.26953125e-01,  8.30078125e-02,  4.51660156e-02,  1.37695312e-01,
        -2.91015625e-01, -1.49536133e-02,  5.29785156e-02,  1.53320312e-01,
         1.97265625e-01,  4.51660156e-02, -1.81640625e-01,  2.61230469e-02,
         4.17968750e-01,  1.14746094e-01,  1.47460938e-01, -2.27539062e-01,
         7.17773438e-02, -4.27246094e-02,  5.98144531e-02,  1.61132812e-01,
         1.21093750e-01, -1.66992188e-01,  1.92382812e-01, -2.33398438e-01,
        -1.32812500e-01,  1.68945312e-01,  6.78710938e-02,  9.61914062e-02,
         2.87109375e-01, -1.74804688e-01,  2.83203125e-01, -1.29882812e-01,
         4.57031250e-01,  1.40625000e-01,  1.38671875e-01,  3.19824219e-02,
         1.44531250e-01,  8.39843750e-02,  5.44433594e-02,  2.81250000e-01,
        -2.41210938e-01,  5.46875000e-02, -3.04687500e-01, -4.06250000e-01,
        -2.94921875e-01,  1.35742188e-01, -7.87353516e-03,  1.06445312e-01,
         1.75781250e-01,  6.25000000e-02, -1.09375000e-01,  3.07617188e-02,
        -6.39648438e-02, -1.14746094e-01,  9.03320312e-03,  4.78515625e-01,
         2.34375000e-01, -1.64794922e-02, -1.39648438e-01, -1.59179688e-01,
         2.11914062e-01, -7.22656250e-02, -6.29882812e-02, -2.08740234e-02,
        -4.56542969e-02, -7.17163086e-04,  1.10351562e-01, -1.70898438e-01,
        -3.14453125e-01,  2.33398438e-01, -1.05468750e-01, -1.82617188e-01,
        -2.61718750e-01, -2.65625000e-01, -4.54101562e-02, -2.26562500e-01,
         9.71679688e-02, -4.37011719e-02, -7.12890625e-02,  2.46093750e-01,
         1.34765625e-01,  9.57031250e-02, -1.84326172e-02,  1.31835938e-01,
         2.85156250e-01, -1.43554688e-01, -2.06054688e-01,  1.23046875e-01,
        -5.59082031e-02,  1.59179688e-01,  2.09960938e-01,  1.85546875e-01,
        -2.97851562e-02, -3.04687500e-01,  1.58203125e-01,  8.10546875e-02,
         1.61132812e-01,  3.86718750e-01, -2.83203125e-01, -1.65039062e-01,
        -9.91210938e-02, -5.15625000e-01, -1.20117188e-01,  2.46093750e-01,
        -1.42578125e-01, -1.27929688e-01,  5.55419922e-03,  3.10546875e-01,
        -2.25585938e-01,  1.27929688e-01, -1.04003906e-01,  5.00000000e-01,
         7.12890625e-02, -1.88476562e-01, -9.91210938e-02, -6.98852539e-03,
        -1.02050781e-01, -6.48437500e-01,  4.45312500e-01,  1.41601562e-01,
         1.15234375e-01,  3.51562500e-02, -4.19921875e-01, -1.31835938e-0
1],
       dtype=float32),
 'privacy': array([-0.02233887,  0.09619141,  0.04931641,  0.13378906, -0.4
3554688,
        -0.18261719,  0.08740234,  0.22070312,  0.21386719, -0.07666016,
        -0.05053711, -0.52734375,  0.25390625, -0.17773438, -0.06884766,
        -0.07128906,  0.40625   ,  0.13476562, -0.41601562,  0.328125  ,
         0.02758789,  0.02893066,  0.16308594,  0.18261719, -0.20410156,
         0.07373047, -0.15722656,  0.07763672,  0.29492188, -0.20410156,
         0.09228516, -0.12109375, -0.07373047, -0.36132812, -0.01031494,
        -0.52734375,  0.234375  , -0.10742188,  0.25976562,  0.23242188,
        -0.25585938,  0.06640625, -0.11376953,  0.10498047,  0.02185059,
        -0.05688477,  0.10742188,  0.26953125, -0.2109375 , -0.06347656,
         0.03149414,  0.25976562, -0.01586914,  0.0267334 , -0.33398438,
```

```
         0.2890625 , -0.45703125,  0.00079727,  0.125     , -0.34765625,
        -0.15332031, -0.03515625,  0.328125  , -0.03149414, -0.39257812,
        -0.11279297, -0.24707031, -0.16699219,  0.05615234,  0.16796875,
         0.01080322,  0.15039062,  0.37109375, -0.14355469, -0.27929688,
         0.14550781, -0.08642578, -0.23828125,  0.4921875 ,  0.53125   ,
         0.04785156,  0.4140625 , -0.01190186,  0.05688477,  0.17480469,
        -0.20019531,  0.20898438,  0.23828125, -0.2890625 , -0.05566406,
         0.43164062, -0.33984375, -0.16503906, -0.13085938,  0.15820312,
        -0.47070312, -0.06298828, -0.27148438,  0.17382812, -0.06005859,
         0.11328125, -0.33789062,  0.41796875, -0.22558594,  0.28125   ,
         0.13964844, -0.23046875,  0.27929688, -0.45898438,  0.11621094,
        -0.09277344, -0.12304688,  0.12402344,  0.04736328,  0.23144531,
         0.06933594,  0.23925781,  0.01660156,  0.10693359,  0.58203125,
        -0.11279297,  0.24414062,  0.02880859,  0.36523438,  0.31445312,
        -0.41601562, -0.10546875, -0.10400391,  0.27929688,  0.14355469,
        -0.09082031, -0.42578125, -0.57421875,  0.453125  ,  0.0402832 ,
        -0.25195312,  0.3046875 ,  0.21484375, -0.00325012, -0.51953125,
         0.40039062, -0.07910156, -0.3359375 ,  0.08642578, -0.05859375,
        -0.07421875,  0.30273438,  0.29101562, -0.07470703, -0.01202393,
        -0.21582031,  0.08105469,  0.08300781,  0.00335693,  0.26757812,
        -0.19921875,  0.01141357, -0.33789062, -0.20605469, -0.01000977,
        -0.31835938, -0.09619141,  0.26171875, -0.04248047, -0.22460938,
        -0.25390625, -0.53515625, -0.08447266, -0.46289062,  0.05249023,
         0.14746094,  0.06030273,  0.02502441,  0.05957031, -0.0859375 ,
        -0.01538086,  0.19824219,  0.18359375, -0.37109375, -0.07421875,
        -0.11083984,  0.03173828,  0.06689453, -0.50390625,  0.11328125,
        -0.2265625 , -0.140625  , -0.11572266,  0.03955078, -0.16210938,
         0.15234375,  0.16992188, -0.00497437, -0.09082031,  0.14453125,
         0.328125  ,  0.046875  , -0.04492188,  0.18457031,  0.26757812,
         0.03149414,  0.37890625,  0.25976562,  0.20117188, -0.17285156,
         0.10742188, -0.11523438, -0.29492188, -0.09130859,  0.19824219,
        -0.21679688, -0.09667969,  0.26171875, -0.18554688, -0.00314331,
         0.08740234, -0.05200195,  0.32617188, -0.7421875 , -0.03027344,
        -0.48828125, -0.09033203, -0.18066406, -0.38671875, -0.12890625,
        -0.10400391,  0.390625  , -0.04248047,  0.13964844, -0.25      ,
        -0.25195312, -0.08251953, -0.15136719, -0.11523438,  0.20898438,
         0.15820312,  0.16015625,  0.03833008,  0.15429688,  0.078125  ,
         0.00775146, -0.35351562,  0.11035156, -0.34765625, -0.21191406,
         0.45898438, -0.29101562,  0.27539062, -0.17773438, -0.09423828,
        -0.359375  ,  0.0390625 , -0.06152344, -0.17285156, -0.12695312,
        -0.16699219,  0.2109375 ,  0.18652344, -0.27929688,  0.26367188,
        -0.01660156, -0.06298828, -0.09277344,  0.12695312, -0.07714844,
         0.19238281, -0.296875  ,  0.03857422, -0.359375  ,  0.08203125,
         0.18066406, -0.16503906,  0.390625  ,  0.10791016, -0.125     ,
        -0.04785156, -0.10302734, -0.13085938, -0.11035156, -0.15039062,
        -0.07861328,  0.30859375,  0.11767578,  0.08886719, -0.04321289,
        -0.15234375, -0.02282715,  0.11914062, -0.25976562,  0.09228516,
        -0.00866699, -0.12011719, -0.07128906, -0.22363281, -0.11914062,
         0.25195312,  0.45507812, -0.02868652,  0.04663086, -0.18652344],
       dtype=float32),
 'candidates': array([-1.30859375e-01, -1.80664062e-02,  6.34765625e-02,
1.32812500e-01,
         4.19921875e-02, -2.63671875e-01, -1.90429688e-01, -6.93359375e-02,
        -4.32128906e-02, -7.47070312e-02, -1.24511719e-01, -7.71484375e-02,
        -7.27539062e-02,  3.00781250e-01, -1.25000000e-01,  3.96484375e-01,
         2.57812500e-01,  1.94335938e-01, -2.36328125e-01,  4.66308594e-02,
        -1.81640625e-01,  6.98242188e-02, -1.97265625e-01,  9.08203125e-02,
        -1.50390625e-01, -2.57812500e-01, -3.61633301e-03,  4.51660156e-02,
         5.61523438e-02,  9.71679688e-02,  6.62231445e-03,  2.00195312e-01,
        -8.10546875e-02,  3.19824219e-02,  1.80664062e-01, -7.81250000e-02,
        -8.74023438e-02,  1.66015625e-01,  2.00195312e-02,  1.01562500e-01,
         1.74804688e-01, -3.76953125e-01, -1.56250000e-02,  1.51977539e-02,
        -5.07812500e-01,  1.87500000e-01,  4.78515625e-02, -1.14257812e-01,
        -2.91015625e-01,  1.04980469e-01, -8.85009766e-03, -2.11914062e-01,
```

```
 2.02941895e-03,  1.22070312e-01, -1.94335938e-01,  2.31933594e-02,
-1.11694336e-02,  4.71191406e-02, -3.01513672e-02, -1.51367188e-01,
 1.47460938e-01, -6.73828125e-02, -6.29882812e-02, -1.79687500e-01,
 1.77734375e-01, -1.36718750e-02,  9.42382812e-02,  4.02343750e-01,
 3.41796875e-01,  3.10058594e-02, -9.17968750e-02,  1.22070312e-01,
 1.25976562e-01, -2.21679688e-01,  3.26538086e-03,  1.26953125e-01,
 1.69921875e-01, -2.61718750e-01, -8.42285156e-03,  1.04003906e-01,
-2.35595703e-02,  9.15527344e-03, -7.81250000e-02, -5.78613281e-02,
-1.15356445e-02, -8.64257812e-02,  9.91821289e-04, -3.76892090e-03,
 3.26171875e-01, -1.28906250e-01,  2.77343750e-01, -2.75390625e-01,
-5.98144531e-02,  2.51953125e-01,  1.37695312e-01, -1.65039062e-01,
-4.22363281e-02,  1.10839844e-01,  6.68945312e-02,  1.25976562e-01,
-2.91015625e-01, -3.24218750e-01,  1.65039062e-01, -2.88085938e-02,
 1.11328125e-01, -3.76953125e-01, -2.91748047e-02, -7.61718750e-02,
 5.27343750e-01, -2.88085938e-02,  9.66796875e-02,  2.16064453e-02,
-2.64892578e-02, -1.19628906e-01,  2.14843750e-01, -2.69531250e-01,
 1.14257812e-01, -2.03125000e-01, -5.05371094e-02, -1.57226562e-01,
-5.02929688e-02,  2.39257812e-01,  4.49218750e-02, -1.94335938e-01,
-3.67187500e-01, -1.36718750e-01,  1.22070312e-02,  9.52148438e-03,
 2.04101562e-01, -3.18908691e-03,  9.19342041e-04, -3.73046875e-01,
 1.06445312e-01, -2.13623047e-02, -3.04687500e-01, -1.21582031e-01,
-1.14257812e-01, -1.16210938e-01,  1.10839844e-01, -4.00390625e-02,
-9.70458984e-03,  2.69531250e-01, -3.18908691e-03,  2.59765625e-01,
 1.54296875e-01,  8.64257812e-02, -1.69677734e-02, -1.57226562e-01,
 1.07910156e-01,  1.07421875e-02,  9.96093750e-02, -7.86132812e-02,
-4.56542969e-02, -3.04687500e-01,  3.84765625e-01,  6.03027344e-02,
-2.03125000e-01, -3.30078125e-01, -1.03027344e-01, -1.55273438e-01,
-1.05957031e-01, -7.61718750e-02,  6.17675781e-02,  4.58984375e-01,
 1.79687500e-01, -2.83203125e-01,  2.23388672e-02,  2.30468750e-01,
 1.29882812e-01,  6.03027344e-02,  1.64794922e-02, -1.65039062e-01,
-2.75390625e-01, -3.33984375e-01,  2.27539062e-01, -1.71875000e-01,
-1.58691406e-02, -1.89453125e-01, -2.29492188e-01, -2.01171875e-01,
-1.03027344e-01,  1.83593750e-01, -2.36328125e-01, -4.37011719e-02,
-6.86645508e-03, -9.91210938e-02,  1.42578125e-01,  2.69775391e-02,
 2.55859375e-01,  1.56250000e-01, -3.68652344e-02,  5.66406250e-02,
-1.55273438e-01,  1.30859375e-01,  1.46484375e-01, -1.21459961e-02,
-3.11279297e-02,  8.98437500e-02, -1.50390625e-01, -1.15234375e-01,
 1.22558594e-01,  1.50756836e-02,  1.94335938e-01,  5.88378906e-02,
-4.73022461e-03, -4.34570312e-02,  4.06250000e-01, -2.00195312e-01,
 5.54199219e-02, -3.40270996e-03, -5.73730469e-03, -6.22558594e-02,
-2.71484375e-01,  1.22070312e-01, -1.38671875e-01,  2.80761719e-02,
-2.22656250e-01, -1.06445312e-01,  2.18750000e-01,  1.07910156e-01,
 2.27539062e-01,  1.52587891e-02,  1.31835938e-01,  3.02734375e-02,
 8.49609375e-02,  2.08007812e-01, -2.50244141e-02,  6.54296875e-02,
 1.84326172e-02, -8.39843750e-02, -8.10546875e-02,  8.69140625e-02,
 1.21582031e-01,  6.93359375e-02,  4.07714844e-02, -2.24609375e-01,
 2.12890625e-01, -2.27539062e-01, -1.67968750e-01, -1.65039062e-01,
 1.51367188e-01,  6.98242188e-02, -2.36816406e-02,  1.36718750e-01,
-4.49218750e-02, -1.15722656e-01,  4.24804688e-02,  2.75390625e-01,
-2.34375000e-01,  3.44238281e-02, -1.19628906e-01, -1.30859375e-01,
-1.34765625e-01,  9.47265625e-02, -3.78906250e-01, -8.20312500e-02,
 1.33789062e-01,  1.13281250e-01,  1.21093750e-01, -1.22558594e-01,
 1.15234375e-01,  4.71191406e-02,  2.33154297e-02,  1.09375000e-01,
-1.55029297e-02,  2.84423828e-02,  1.97753906e-02,  1.34765625e-01,
-5.42968750e-01, -2.95410156e-02, -1.86523438e-01,  1.99218750e-01,
-5.34667969e-02, -2.01416016e-02, -2.49023438e-01,  1.39648438e-01,
 2.71484375e-01, -3.00781250e-01, -5.49316406e-02,  6.68945312e-02,
 1.84570312e-01, -1.66015625e-01, -1.43554688e-01,  2.51953125e-01,
-1.47094727e-02, -1.04003906e-01,  4.02832031e-02, -3.96728516e-04,
 2.06054688e-01, -6.03027344e-02,  3.68652344e-02, -1.54296875e-01,
-2.12890625e-01, -3.14941406e-02,  3.67187500e-01,  5.05371094e-02,
 2.49023438e-01, -2.10937500e-01, -9.86328125e-02,  1.07421875e-0
1],
       dtype=float32),
```

```
 'residing': array([ 0.07470703,  0.08935547, -0.02124023, -0.08642578, -0.
24121094,
         0.37304688, -0.1328125 ,  0.05932617,  0.00195312,  0.09814453,
        -0.02905273,  0.05859375, -0.39648438,  0.05004883,  0.02172852,
        -0.19335938,  0.14453125,  0.26953125, -0.3125    ,  0.18164062,
        -0.15332031, -0.06884766, -0.13085938, -0.22851562,  0.0144043 ,
        -0.20800781, -0.07421875,  0.16796875, -0.20214844, -0.2734375 ,
         0.15332031, -0.16699219,  0.01879883,  0.19433594, -0.07666016,
        -0.32421875,  0.05761719, -0.27734375, -0.09619141,  0.19433594,
        -0.14257812,  0.4375    ,  0.02661133,  0.09863281,  0.12792969,
        -0.18164062, -0.0546875 , -0.02709961, -0.29101562, -0.15722656,
         0.01599121, -0.05175781,  0.33203125, -0.05834961, -0.12109375,
        -0.21582031,  0.03369141, -0.07910156,  0.00210571, -0.1640625 ,
         0.203125  , -0.17382812,  0.09912109, -0.20800781, -0.18261719,
        -0.10742188, -0.18261719,  0.22949219, -0.078125  , -0.0534668 ,
         0.23242188, -0.08935547,  0.20898438, -0.04150391,  0.1015625 ,
        -0.10839844, -0.33398438, -0.3671875 ,  0.14746094,  0.20507812,
         0.03637695, -0.00958252,  0.07763672,  0.18652344, -0.12597656,
         0.0057373 , -0.24902344, -0.15820312,  0.171875  , -0.00616455,
         0.04174805, -0.31640625, -0.0378418 , -0.23242188, -0.10693359,
         0.39648438,  0.34960938,  0.09326172,  0.00361633, -0.07666016,
        -0.08691406, -0.20019531,  0.15332031,  0.03710938,  0.12011719,
        -0.2578125 ,  0.00393677,  0.00242615,  0.16113281, -0.12011719,
        -0.00933838, -0.20117188, -0.21875   , -0.02966309, -0.17773438,
         0.06689453, -0.05957031, -0.11816406,  0.27539062, -0.17871094,
        -0.01202393,  0.10253906, -0.18652344,  0.2578125 , -0.12988281,
         0.17675781, -0.11474609, -0.3046875 , -0.28515625,  0.01531982,
         0.265625  ,  0.10888672, -0.1171875 , -0.08203125, -0.07861328,
        -0.38085938, -0.07373047,  0.01879883, -0.12988281,  0.15917969,
        -0.16796875,  0.109375  , -0.07714844,  0.00337219,  0.03735352,
         0.13378906, -0.10058594,  0.12792969, -0.25390625, -0.07861328,
         0.24414062,  0.09667969,  0.08007812, -0.17480469, -0.28320312,
        -0.12988281, -0.2265625 ,  0.10400391,  0.22167969, -0.27734375,
        -0.16308594,  0.07324219,  0.15332031, -0.13085938, -0.08740234,
         0.03442383,  0.15722656,  0.15234375, -0.10888672,  0.05712891,
        -0.19335938, -0.04956055,  0.15136719,  0.01361084,  0.1640625 ,
         0.21191406,  0.03588867, -0.01708984,  0.07763672,  0.00836182,
         0.01000977, -0.02099609, -0.12695312, -0.0703125 , -0.02355957,
        -0.16015625,  0.01989746, -0.02246094,  0.12792969,  0.25976562,
         0.04663086, -0.01367188,  0.265625  , -0.08789062, -0.02783203,
         0.359375  , -0.08984375,  0.11669922,  0.12792969,  0.01452637,
         0.08007812,  0.29882812,  0.18066406, -0.13671875, -0.06225586,
        -0.13964844,  0.13085938,  0.2109375 ,  0.2734375 , -0.10693359,
         0.06176758,  0.04174805, -0.16601562,  0.01989746,  0.09667969,
         0.16503906, -0.23632812,  0.04418945, -0.2734375 , -0.14453125,
        -0.18847656, -0.18359375, -0.14746094, -0.02880859,  0.02880859,
         0.08105469,  0.11621094,  0.16015625, -0.1484375 ,  0.21386719,
         0.15625   , -0.4375    ,  0.01867676,  0.1328125 ,  0.07128906,
        -0.125     ,  0.19042969, -0.3359375 , -0.22070312,  0.08496094,
        -0.15332031,  0.08496094,  0.06738281, -0.00361633, -0.08105469,
         0.20117188,  0.01611328,  0.14746094,  0.01477051,  0.03735352,
         0.00878906,  0.24121094,  0.00430298,  0.41210938,  0.18652344,
         0.01794434, -0.19824219,  0.08105469, -0.23046875,  0.21191406,
         0.02636719, -0.234375  ,  0.24023438,  0.14550781,  0.26757812,
         0.10107422,  0.01025391,  0.20019531,  0.09130859, -0.20019531,
        -0.10644531, -0.01025391,  0.07763672,  0.05151367,  0.0534668 ,
        -0.03369141, -0.18652344, -0.02929688, -0.23144531, -0.01519775,
         0.06640625, -0.09228516, -0.01782227,  0.16113281,  0.05932617,
        -0.09423828, -0.04223633, -0.11035156, -0.12011719, -0.08349609,
        -0.24804688,  0.03979492, -0.09619141, -0.03979492,  0.3203125 ,
         0.14453125, -0.18945312, -0.05273438,  0.21582031, -0.14160156],
       dtype=float32),
 'notice': array([-1.98242188e-01,  8.98437500e-02,  2.08984375e-01, -1.669
92188e-01,
```

```
-1.05957031e-01, -1.72851562e-01,  2.55859375e-01, -1.34468079e-04,
 1.96533203e-02, -1.20605469e-01,  1.13769531e-01,  8.10546875e-02,
 6.98852539e-03,  4.90722656e-02, -1.22558594e-01,  4.37011719e-02,
 1.58203125e-01,  2.59765625e-01,  5.71289062e-02, -1.38671875e-01,
 1.33789062e-01, -7.81250000e-03, -1.09863281e-01, -1.99218750e-01,
 1.28906250e-01,  4.88281250e-02,  2.00195312e-01, -1.25000000e-01,
 2.23388672e-02, -1.44958496e-03, -1.95312500e-01, -1.47094727e-02,
-1.26953125e-02, -6.73828125e-02, -8.25195312e-02, -1.38671875e-01,
 6.49414062e-02, -4.93164062e-02, -5.32226562e-02,  1.08886719e-01,
-1.26953125e-01, -8.15429688e-02,  1.95312500e-01, -1.67968750e-01,
-8.54492188e-02, -1.23535156e-01, -1.07421875e-01, -1.34765625e-01,
-1.53320312e-01, -6.20117188e-02, -8.98437500e-02, -4.56542969e-02,
 8.88824463e-04,  1.65039062e-01,  6.43920898e-03,  2.61718750e-01,
 2.07031250e-01, -1.78710938e-01, -6.92749023e-03, -2.44140625e-01,
-1.98242188e-01,  2.04101562e-01, -9.96093750e-02, -5.98144531e-02,
-1.55273438e-01,  1.47460938e-01, -2.32421875e-01,  9.17968750e-02,
-1.23535156e-01,  1.24023438e-01, -2.81982422e-02,  7.17773438e-02,
 7.91015625e-02,  9.66796875e-02,  2.73437500e-02, -2.18505859e-02,
 1.19018555e-02,  1.24511719e-02,  2.51464844e-02,  1.32812500e-01,
 1.41601562e-01, -1.62109375e-01, -3.51562500e-02,  1.78710938e-01,
-1.87500000e-01,  1.51367188e-02, -2.39257812e-02, -1.11328125e-01,
 1.25976562e-01,  1.15966797e-02,  1.54296875e-01, -1.91406250e-01,
 1.22558594e-01, -1.40625000e-01, -2.65625000e-01, -2.61718750e-01,
-1.11816406e-01, -1.59179688e-01, -2.59765625e-01, -6.22558594e-02,
-1.04980469e-01, -9.27734375e-02,  8.59375000e-02,  9.76562500e-02,
 2.32421875e-01, -1.94335938e-01,  1.11816406e-01, -9.39941406e-03,
-4.07714844e-02, -1.11328125e-01, -9.52148438e-02, -3.24218750e-01,
-1.17187500e-01,  3.02734375e-02, -1.16210938e-01, -1.82617188e-01,
 5.20019531e-02,  1.43554688e-01,  1.01562500e-01,  4.63867188e-03,
-2.73437500e-01, -7.22656250e-02, -4.31640625e-01,  1.28906250e-01,
 3.29589844e-02,  3.08593750e-01,  7.51953125e-02, -1.19018555e-02,
 1.37695312e-01, -9.26971436e-04,  1.80664062e-01, -5.05371094e-02,
-2.39257812e-02, -3.18908691e-03,  1.96289062e-01, -1.80664062e-01,
-8.88671875e-02, -8.30078125e-02, -7.56835938e-02,  1.23535156e-01,
-3.78417969e-02,  3.41796875e-02, -4.02832031e-03, -2.89062500e-01,
-8.64257812e-02,  2.09960938e-01, -7.51953125e-02,  9.32617188e-02,
-2.33398438e-01,  3.88183594e-02, -4.85839844e-02,  8.74023438e-02,
 8.44726562e-02, -8.25195312e-02, -1.26953125e-01, -7.22656250e-02,
-1.25976562e-01,  1.93359375e-01, -3.35937500e-01,  5.32226562e-02,
 7.17773438e-02,  3.76953125e-01, -1.23046875e-01,  8.88671875e-02,
 2.77343750e-01, -1.84570312e-01,  4.76074219e-02, -8.88671875e-02,
-1.07421875e-01,  8.34960938e-02, -5.17578125e-02, -1.09863281e-01,
-5.78613281e-02, -1.09375000e-01,  9.22851562e-02, -2.27539062e-01,
 1.25976562e-01, -1.44531250e-01,  1.08886719e-01, -1.52343750e-01,
-6.12792969e-02,  4.12597656e-02,  1.09375000e-01, -5.15136719e-02,
 2.03857422e-02, -2.79541016e-02,  5.76171875e-02, -1.91650391e-02,
 1.13769531e-01,  8.39843750e-02, -1.49414062e-01,  8.39843750e-02,
-3.44238281e-02,  1.47460938e-01,  8.54492188e-02,  8.69140625e-02,
-2.00195312e-01,  3.41796875e-02,  1.31835938e-01,  1.67968750e-01,
 3.93066406e-02,  6.64062500e-02, -5.88378906e-02, -2.75878906e-02,
 5.95703125e-02,  1.16210938e-01, -1.52343750e-01,  2.06298828e-02,
 1.04492188e-01,  1.05468750e-01,  1.91650391e-02,  2.13867188e-01,
 3.88183594e-02, -2.57812500e-01, -2.14843750e-01,  2.01171875e-01,
 2.18750000e-01,  1.36566162e-03, -1.43554688e-01, -5.34667969e-02,
 2.71484375e-01,  1.72851562e-01, -2.11914062e-01,  1.65039062e-01,
 6.07299805e-03, -2.80761719e-02,  3.19824219e-02,  1.18652344e-01,
 2.89306641e-02,  2.09960938e-01,  1.43554688e-01, -1.75781250e-01,
 2.53906250e-01, -8.15429688e-02,  2.63671875e-01,  8.25195312e-02,
 4.49218750e-01, -1.53320312e-01,  2.63671875e-01, -7.56835938e-02,
 1.59912109e-02, -2.08984375e-01,  1.25000000e-01, -1.34765625e-01,
-4.39453125e-02,  4.32128906e-02, -1.65039062e-01,  1.23535156e-01,
 2.00195312e-01, -5.20019531e-02,  2.87109375e-01,  1.73828125e-01,
-2.96875000e-01, -2.81250000e-01, -9.22851562e-02, -2.91015625e-01,
 2.66113281e-02,  4.45312500e-01, -8.30078125e-02, -4.24804688e-02,
```

```
         4.19921875e-02, -7.47070312e-02, -4.64843750e-01, -2.61718750e-01,
         9.76562500e-02, -6.88476562e-02,  2.85339355e-03,  2.23388672e-02,
         1.60156250e-01, -2.59765625e-01,  3.02734375e-01,  4.62890625e-01,
         4.00390625e-01, -5.87463379e-04,  5.51757812e-02,  7.32421875e-02,
        -3.24218750e-01, -1.48437500e-01,  2.89062500e-01,  1.45507812e-01,
         9.61914062e-02,  7.59887695e-03,  2.77343750e-01,  1.76757812e-01,
        -1.55273438e-01,  2.08007812e-01, -1.04492188e-01,  1.25000000e-01,
         6.54296875e-02,  1.69677734e-02,  7.03125000e-02, -8.05664062e-02,
        -5.20019531e-02, -4.29687500e-02,  2.10937500e-01, -2.85644531e-02,
        -3.43750000e-01, -1.60156250e-01, -1.95312500e-01,  1.04980469e-0
1],
       dtype=float32),
 'factor': array([ 0.30078125, -0.04003906, -0.05786133,  0.02770996, -0.12
255859,
         0.34765625,  0.20019531, -0.10839844,  0.27734375,  0.18261719,
         0.01177979, -0.35546875,  0.12158203, -0.09521484, -0.14257812,
         0.20605469,  0.07226562, -0.31835938, -0.16210938, -0.40820312,
        -0.14453125, -0.00585938, -0.00546265,  0.08300781, -0.01867676,
        -0.02990723, -0.18652344,  0.11328125, -0.21972656,  0.07373047,
         0.22753906, -0.1484375 ,  0.12402344,  0.02575684,  0.14160156,
         0.08154297, -0.09277344,  0.23242188,  0.31054688,  0.13476562,
         0.09667969, -0.0559082 ,  0.03564453,  0.15820312, -0.14648438,
        -0.18457031,  0.02270508, -0.00300598,  0.13183594,  0.21386719,
         0.046875  , -0.06494141, -0.1640625 , -0.1328125 ,  0.07714844,
         0.01916504, -0.30273438,  0.1484375 ,  0.09375   , -0.11230469,
         0.14355469, -0.0145874 , -0.19433594,  0.27148438, -0.02746582,
         0.10595703, -0.109375  ,  0.39453125, -0.27929688,  0.08935547,
        -0.26171875, -0.25976562,  0.0625    , -0.04370117,  0.05200195,
        -0.09082031,  0.20410156,  0.05249023, -0.15820312,  0.2734375 ,
        -0.10644531, -0.15820312,  0.08300781, -0.02880859, -0.09375   ,
        -0.06787109, -0.03979492,  0.30078125,  0.09130859, -0.12109375,
         0.45703125,  0.1015625 ,  0.01519775,  0.17089844,  0.28710938,
        -0.296875  ,  0.18066406,  0.17480469,  0.03735352, -0.19238281,
         0.01696777,  0.25      , -0.01623535, -0.21972656, -0.04833984,
        -0.20800781, -0.11767578, -0.21582031,  0.07519531, -0.04370117,
        -0.0378418 , -0.2421875 ,  0.00127411, -0.14160156,  0.2265625 ,
        -0.1015625 , -0.04760742,  0.06933594, -0.11914062,  0.17382812,
        -0.01867676,  0.20507812, -0.25390625,  0.09033203, -0.20410156,
         0.05249023,  0.14257812,  0.11083984, -0.00778198,  0.21289062,
         0.22753906, -0.265625  ,  0.00372314,  0.02880859, -0.01196289,
         0.00106049, -0.11083984,  0.09423828, -0.16113281,  0.18457031,
         0.13574219, -0.05175781,  0.26757812, -0.10693359,  0.04296875,
        -0.22460938,  0.17871094,  0.16992188, -0.1171875 ,  0.00921631,
         0.11328125,  0.04980469, -0.01123047,  0.12792969, -0.08837891,
         0.03637695, -0.05664062, -0.22753906,  0.00878906, -0.05078125,
         0.00823975, -0.390625  ,  0.34179688,  0.06933594, -0.07519531,
        -0.00976562, -0.25195312,  0.37109375,  0.15234375, -0.0559082 ,
        -0.18261719, -0.11230469, -0.10839844, -0.07226562,  0.00473022,
         0.14160156,  0.10449219, -0.44921875, -0.16894531,  0.31445312,
        -0.20019531, -0.01171875,  0.00169373, -0.04614258, -0.07080078,
         0.14550781, -0.05737305,  0.07519531, -0.18164062, -0.09472656,
         0.2578125 ,  0.00241089,  0.04101562, -0.10302734, -0.11425781,
        -0.046875  , -0.00396729,  0.1328125 , -0.0246582 , -0.14355469,
         0.18652344,  0.12988281, -0.43554688, -0.22167969, -0.05444336,
        -0.26171875,  0.15820312, -0.01696777,  0.12353516,  0.125     ,
         0.29101562,  0.21582031, -0.3046875 ,  0.07714844, -0.40625   ,
        -0.11767578,  0.10644531, -0.2265625 , -0.1015625 ,  0.41015625,
        -0.01379395,  0.12988281,  0.078125  , -0.13183594, -0.17089844,
         0.00854492,  0.19726562, -0.09716797, -0.19042969, -0.06689453,
        -0.33789062,  0.234375  ,  0.07568359, -0.11816406, -0.20507812,
        -0.09375   , -0.04760742, -0.22460938, -0.16894531, -0.08740234,
        -0.06347656,  0.07275391,  0.1484375 , -0.23730469,  0.18261719,
        -0.20703125, -0.078125  ,  0.10351562,  0.1875    , -0.23730469,
         0.07373047, -0.08056641,  0.34179688,  0.10449219, -0.02758789,
```

```
        -0.20996094,  0.16503906,  0.24316406, -0.15332031, -0.07714844,
         0.16601562,  0.04077148, -0.24121094,  0.01074219, -0.00294495,
         0.15234375,  0.05737305, -0.17480469, -0.0480957 , -0.30664062,
        -0.18847656,  0.171875  , -0.37109375, -0.12597656, -0.01953125,
        -0.09912109,  0.07324219, -0.03369141, -0.25      , -0.1015625 ,
        -0.0112915 , -0.02624512, -0.07568359, -0.28710938, -0.21679688,
        -0.13671875,  0.07275391,  0.12451172, -0.19433594, -0.22460938,
        -0.06030273,  0.21582031,  0.2265625 , -0.03759766, -0.1796875 ,
        -0.1875    , -0.02600098, -0.04199219,  0.171875  ,  0.08300781],
       dtype=float32),
 'offer': array([-2.63671875e-01, -2.81982422e-02, -9.76562500e-02,  1.5136
7188e-01,
         2.07519531e-02,  2.30468750e-01,  2.24609375e-01, -1.05957031e-01,
         1.05957031e-01,  3.12500000e-01, -4.27734375e-01, -1.52343750e-01,
        -4.05273438e-02, -7.51953125e-02, -6.17675781e-02,  3.88671875e-01,
         1.22558594e-01,  1.16210938e-01,  2.27539062e-01, -1.90429688e-02,
        -1.02539062e-02,  8.83789062e-02,  1.56250000e-02,  1.26953125e-01,
         5.98144531e-02, -1.17187500e-01, -9.91210938e-02,  3.12500000e-02,
        -7.47070312e-02,  4.55856323e-04,  7.27539062e-02, -5.32226562e-02,
        -3.22265625e-01, -4.91333008e-03, -3.29589844e-02,  7.22656250e-02,
         8.39843750e-02,  1.11694336e-02, -2.71484375e-01,  5.41992188e-02,
         8.59375000e-02,  2.20703125e-01, -2.27539062e-01, -4.10156250e-02,
        -2.40234375e-01, -2.85156250e-01, -1.06445312e-01, -9.52148438e-03,
         1.49414062e-01,  1.85546875e-01,  9.96093750e-02,  2.02636719e-02,
        -1.80664062e-01,  2.29492188e-02, -6.54296875e-02,  1.37695312e-01,
        -1.49414062e-01,  3.41796875e-02,  4.41894531e-02,  8.98437500e-02,
         1.91406250e-01,  1.40380859e-03, -1.54296875e-01,  1.43432617e-02,
         8.64257812e-02, -2.89062500e-01, -1.84570312e-01,  1.15356445e-02,
        -5.88378906e-02,  2.10937500e-01, -4.19921875e-02,  8.97216797e-03,
         5.46875000e-02,  2.63671875e-01,  1.22070312e-01, -1.80664062e-01,
         1.13281250e-01, -4.27246094e-02,  1.80664062e-02,  4.76074219e-02,
         1.69921875e-01,  4.12597656e-02,  4.27246094e-02,  1.16210938e-01,
         8.88671875e-02,  6.07910156e-02, -2.91015625e-01, -2.08984375e-01,
        -1.06933594e-01, -1.85546875e-02,  7.42187500e-02,  5.61523438e-02,
        -5.54199219e-02,  6.54296875e-02, -1.64794922e-02, -8.20312500e-02,
        -4.63867188e-02,  8.05664062e-02,  6.37817383e-03, -1.44531250e-01,
         6.25000000e-02, -1.25000000e-01, -1.59179688e-01,  4.27246094e-02,
        -7.32421875e-02, -1.05957031e-01,  1.06445312e-01, -1.03027344e-01,
        -9.22851562e-02, -2.78320312e-02, -1.06811523e-02,  1.71875000e-01,
        -6.22558594e-02, -1.27929688e-01,  1.73828125e-01,  5.54199219e-02,
         2.31445312e-01, -1.09863281e-01,  2.98828125e-01, -7.22656250e-02,
         1.27929688e-01,  6.80541992e-03, -5.63964844e-02,  7.81250000e-02,
         1.49536133e-02, -1.00585938e-01,  1.57470703e-02, -3.20312500e-01,
         1.58203125e-01,  7.37304688e-02,  2.88085938e-02,  1.36718750e-01,
         6.44531250e-02, -2.13867188e-01,  6.29882812e-02, -2.57492065e-04,
         1.12792969e-01,  4.49218750e-02, -4.88281250e-02,  1.77734375e-01,
        -1.44531250e-01,  1.29882812e-01, -1.05957031e-01, -2.25585938e-01,
         9.52148438e-02, -1.07421875e-01, -2.31933594e-02, -2.50000000e-01,
        -6.83593750e-02,  5.81054688e-02, -3.14941406e-02,  1.25976562e-01,
        -1.19628906e-01, -3.98437500e-01, -9.42382812e-02, -8.59375000e-02,
        -1.00612640e-04, -1.77734375e-01, -1.05468750e-01, -3.83300781e-02,
         1.49536133e-02, -5.78613281e-02, -8.23974609e-03,  2.53906250e-02,
         4.39453125e-02, -1.68945312e-01,  1.46484375e-01, -1.29882812e-01,
        -1.17187500e-01, -1.56250000e-01, -8.78906250e-02, -1.55273438e-01,
        -1.23046875e-01,  1.14746094e-02,  1.13281250e-01, -1.29882812e-01,
         8.49609375e-02, -6.40869141e-03,  4.13894653e-04,  2.30468750e-01,
        -3.16406250e-01, -3.00781250e-01, -3.06396484e-02,  9.42382812e-02,
        -2.19726562e-01, -2.48046875e-01, -1.27929688e-01,  5.51757812e-02,
        -1.89208984e-02, -1.98242188e-01, -2.02148438e-01, -9.03320312e-02,
        -4.58984375e-02, -3.66210938e-02, -1.41601562e-01, -1.04003906e-01,
         7.61718750e-02, -1.37695312e-01, -9.52148438e-02, -2.34375000e-01,
        -5.30242920e-04,  1.25000000e-01, -2.62451172e-02,  9.32617188e-02,
        -1.17187500e-01,  5.49316406e-02,  1.87500000e-01, -5.85937500e-02,
        -2.24609375e-01,  1.47460938e-01,  1.01074219e-01, -1.38549805e-02,
```

```
         4.37011719e-02,  2.39257812e-01, -4.85839844e-02,  1.63085938e-01,
         2.79296875e-01,  6.12792969e-02, -1.33789062e-01, -1.09375000e-01,
         3.51562500e-01,  9.94873047e-03, -7.71484375e-02,  2.63671875e-01,
        -4.02832031e-02,  1.13281250e-01,  7.23266602e-03, -2.47070312e-01,
         1.19140625e-01, -2.29492188e-02,  1.29882812e-01, -3.95507812e-02,
         3.46679688e-02,  9.76562500e-02,  4.35546875e-01,  1.60156250e-01,
         6.68945312e-02, -3.10058594e-02, -6.22558594e-02,  7.37304688e-02,
        -4.00390625e-02,  3.78417969e-02, -2.05078125e-01, -3.95507812e-02,
        -1.59912109e-02,  2.04101562e-01,  9.27734375e-02,  2.25585938e-01,
        -9.57031250e-02, -1.27929688e-01,  1.12792969e-01,  3.39355469e-02,
        -1.41601562e-01,  1.15234375e-01, -7.51953125e-02,  2.42187500e-01,
         1.64794922e-02,  5.51757812e-02, -1.76757812e-01,  3.63769531e-02,
         1.10839844e-01, -1.38671875e-01, -1.22070312e-01, -6.54296875e-02,
        -1.27929688e-01,  4.12597656e-02,  2.08740234e-02, -1.66015625e-02,
        -3.12500000e-01, -5.56640625e-02,  1.34765625e-01,  1.67968750e-01,
         1.11328125e-01, -8.15429688e-02,  1.46484375e-01, -4.54101562e-02,
         1.50390625e-01, -2.04101562e-01, -1.13769531e-01, -1.03149414e-02,
        -1.84570312e-01,  8.10546875e-02,  1.78710938e-01,  3.19824219e-02,
         6.64062500e-02,  1.13769531e-01,  1.14257812e-01,  1.93359375e-01,
        -1.36718750e-01,  2.76184082e-03, -1.87988281e-02,  4.56542969e-02,
         1.44042969e-02,  1.94091797e-02,  1.13281250e-01,  2.35351562e-01,
         2.01171875e-01, -1.94091797e-02, -3.51562500e-02, -1.69921875e-0
1],
       dtype=float32),
 'total': array([ 1.04003906e-01, -1.42578125e-01,  1.20605469e-01,  7.5195
3125e-02,
         1.11816406e-01, -2.07031250e-01, -6.83593750e-02, -2.35351562e-01,
         4.12109375e-01,  2.73437500e-02, -1.71875000e-01, -1.58203125e-01,
         7.86132812e-02,  1.32812500e-01, -7.37304688e-02, -3.88183594e-02,
        -1.78710938e-01, -1.34765625e-01, -2.50000000e-01,  1.02539062e-01,
        -9.66796875e-02, -3.08593750e-01, -1.07910156e-01, -3.70788574e-03,
         9.76562500e-02,  8.10546875e-02, -3.45703125e-01,  1.87500000e-01,
        -1.36718750e-02,  8.83789062e-02, -8.88671875e-02, -6.54296875e-02,
        -6.89697266e-03, -4.29687500e-02,  8.74023438e-02, -2.49023438e-01,
        -1.14257812e-01, -1.39648438e-01,  1.43554688e-01,  2.47070312e-01,
         3.59375000e-01, -1.29882812e-01, -1.36718750e-01,  1.57226562e-01,
        -1.07421875e-01, -1.60156250e-01, -4.24804688e-02,  3.34472656e-02,
        -4.22363281e-02,  8.98437500e-02,  2.07031250e-01, -9.21630859e-03,
         4.24804688e-02, -5.88378906e-02, -1.26953125e-01, -7.66601562e-02,
        -1.57226562e-01, -5.78613281e-02,  7.32421875e-02,  2.48718262e-03,
        -8.20312500e-02,  1.20117188e-01, -8.17871094e-03, -1.42578125e-01,
         2.36328125e-01, -4.85839844e-02,  2.19726562e-02,  8.25195312e-02,
         1.23046875e-01,  8.60595703e-03,  1.74560547e-02,  8.54492188e-03,
         3.39843750e-01,  1.29882812e-01,  2.55126953e-02, -9.52148438e-02,
         3.73535156e-02, -1.83105469e-02,  3.63769531e-02, -1.28906250e-01,
         2.31742859e-04, -4.60937500e-01, -1.64062500e-01,  1.13281250e-01,
        -1.41601562e-01, -2.12890625e-01, -1.07421875e-01,  1.02539062e-01,
        -2.31933594e-02, -7.12890625e-02,  1.51367188e-01,  2.14843750e-01,
        -2.20703125e-01, -2.89062500e-01, -1.28784180e-02,  7.03125000e-02,
        -1.13281250e-01,  4.76074219e-03, -1.65039062e-01,  3.00598145e-03,
         1.77734375e-01, -3.73535156e-02, -3.51562500e-01, -1.66992188e-01,
         9.91210938e-02,  3.36914062e-02, -7.65991211e-03, -4.63867188e-02,
         7.71484375e-02, -2.30712891e-02,  1.02539062e-01, -7.08007812e-02,
         1.67236328e-02, -3.78417969e-02,  7.51953125e-02,  1.88476562e-01,
        -2.72216797e-02,  7.76367188e-02,  4.58984375e-02,  1.33789062e-01,
        -4.41894531e-02,  1.29882812e-01,  1.33789062e-01,  1.25976562e-01,
        -2.18505859e-02,  1.53320312e-01,  1.09375000e-01, -2.73437500e-01,
        -3.49121094e-02,  9.03320312e-02,  5.15136719e-02,  1.17675781e-01,
        -1.75781250e-01, -1.98242188e-01, -4.15039062e-02,  1.21093750e-01,
        -8.44726562e-02, -1.81884766e-02, -4.51660156e-02, -9.03320312e-03,
        -1.15234375e-01, -7.12890625e-02,  2.38281250e-01,  2.25585938e-01,
         3.73535156e-02, -1.07421875e-01, -4.98046875e-02,  5.02929688e-02,
        -1.73828125e-01, -4.34570312e-02,  8.20312500e-02, -1.92871094e-02,
        -1.40625000e-01, -2.17285156e-02, -3.16406250e-01,  2.07519531e-02,
```

```
         9.27734375e-02, -1.75781250e-01, -5.10253906e-02, -7.22656250e-02,
        -1.55273438e-01,  4.15039062e-02,  1.58203125e-01, -1.22070312e-01,
         4.78515625e-02,  8.64257812e-02,  4.37011719e-02,  1.05468750e-01,
        -8.49609375e-02, -1.10351562e-01, -1.16699219e-01, -8.59375000e-02,
        -3.60107422e-03, -1.53320312e-01, -8.69140625e-02, -1.00585938e-01,
         5.83496094e-02, -1.17675781e-01, -1.10626221e-03, -1.84570312e-01,
        -1.50390625e-01,  1.48437500e-01,  1.46484375e-02,  1.01074219e-01,
        -1.39648438e-01, -4.73632812e-02,  9.96093750e-02,  1.08886719e-01,
         1.74560547e-02,  8.00781250e-02,  6.49414062e-02, -1.07421875e-01,
        -1.59179688e-01, -6.78710938e-02, -1.48437500e-01,  5.00488281e-02,
         7.37304688e-02,  7.37304688e-02, -2.23632812e-01, -1.85546875e-01,
        -5.54199219e-02,  4.06250000e-01,  2.03125000e-01,  7.95898438e-02,
        -3.17382812e-02,  1.03515625e-01, -3.02734375e-01,  1.16210938e-01,
        -1.67236328e-02,  2.05078125e-02, -8.36181641e-03,  5.78613281e-02,
        -2.20703125e-01, -3.83300781e-02, -1.50390625e-01, -3.68652344e-02,
         2.30712891e-02,  2.38037109e-02, -4.30297852e-03,  2.94189453e-02,
         2.99072266e-02,  1.86523438e-01,  1.39648438e-01, -3.12500000e-02,
         1.04370117e-02, -1.04980469e-01,  5.85937500e-02,  7.47070312e-02,
         4.58984375e-02, -9.86328125e-02, -3.63159180e-03,  1.83593750e-01,
         1.09375000e-01,  1.32812500e-01, -2.38281250e-01,  4.37011719e-02,
         6.93359375e-02, -4.19921875e-02, -1.16699219e-01,  8.78906250e-03,
        -1.24511719e-01,  2.69531250e-01,  2.49023438e-01, -2.63671875e-01,
        -1.58691406e-02,  9.32617188e-02,  6.20117188e-02,  2.13867188e-01,
        -7.66601562e-02, -8.34960938e-02,  7.47070312e-02, -2.64892578e-02,
        -9.86328125e-02,  6.78710938e-02,  2.60009766e-02, -1.65039062e-01,
         9.81445312e-02, -1.40625000e-01, -7.12890625e-02, -2.00195312e-01,
         2.20703125e-01, -2.38037109e-02, -1.68945312e-01, -5.22460938e-02,
         1.32812500e-01, -6.98242188e-02, -2.22167969e-02,  1.31835938e-01,
        -7.61718750e-02, -1.15966797e-02,  1.07421875e-02, -2.28271484e-02,
         3.51562500e-02, -2.57812500e-01,  1.07910156e-01,  7.08007812e-02,
        -2.32421875e-01, -2.25830078e-02,  2.17285156e-02,  4.54101562e-02,
        -6.34765625e-02,  6.03027344e-02, -8.20312500e-02,  2.49023438e-02,
        -1.15234375e-01,  4.05273438e-02,  8.66699219e-03,  1.04492188e-01,
         1.62109375e-01, -1.00097656e-01, -2.15820312e-01,  6.59179688e-02,
        -3.56445312e-02, -8.30078125e-02, -8.34960938e-02,  8.25195312e-02,
        -1.18408203e-02, -4.00390625e-02, -2.97851562e-02, -1.59179688e-0
1],
       dtype=float32),
 'reward': array([ 1.39648438e-01, -1.43554688e-01,  1.41601562e-01,  5.981
44531e-02,
         2.11914062e-01,  2.37304688e-01,  1.03027344e-01, -8.05664062e-02,
        -1.23046875e-01,  2.12890625e-01, -1.06445312e-01, -2.91015625e-01,
         2.55859375e-01,  2.92968750e-01,  8.30078125e-02,  3.43750000e-01,
        -1.04980469e-01, -6.17675781e-02, -8.30078125e-02, -2.04101562e-01,
         3.98437500e-01, -8.93554688e-02, -1.84570312e-01,  1.11328125e-01,
         9.03320312e-03,  1.40380859e-02, -2.31445312e-01,  4.85839844e-02,
         2.11914062e-01, -5.15136719e-02,  7.61718750e-02, -1.82617188e-01,
         1.01562500e-01, -1.15234375e-01, -7.95898438e-02, -1.26953125e-01,
        -4.41894531e-02, -1.88476562e-01,  8.69140625e-02,  1.32812500e-01,
         2.42187500e-01, -1.56250000e-02, -7.56835938e-02, -1.69921875e-01,
         1.37695312e-01, -2.53906250e-01,  5.66406250e-02, -1.31835938e-02,
         1.25000000e-01,  9.03320312e-02,  7.17773438e-02, -2.85339355e-03,
         7.72094727e-03,  2.31445312e-01, -2.01416016e-02, -1.93359375e-01,
        -4.49218750e-02, -3.30078125e-01, -1.69677734e-02,  7.91015625e-02,
        -2.59399414e-03,  1.95312500e-01, -2.42187500e-01, -1.86523438e-01,
        -1.36718750e-01, -2.89062500e-01,  2.06298828e-02, -9.66796875e-02,
         7.17773438e-02, -1.70898438e-01,  1.03515625e-01, -1.72851562e-01,
         1.77734375e-01, -1.03759766e-02, -2.31933594e-02, -2.53906250e-01,
         2.51953125e-01,  3.24218750e-01,  4.41894531e-02, -1.83593750e-01,
         9.15527344e-03,  4.68750000e-02,  7.59887695e-03,  1.72851562e-01,
        -7.81250000e-02, -1.36718750e-01, -1.09863281e-01, -4.57763672e-03,
         1.87500000e-01,  1.17187500e-01,  3.08593750e-01,  8.54492188e-02,
        -2.29492188e-01, -6.98242188e-02,  3.18359375e-01, -2.71484375e-01,
        -9.42382812e-02,  2.47070312e-01,  1.29882812e-01,  3.54003906e-02,
```

```
        -7.95898438e-02, -3.50952148e-03, -1.03515625e-01, -3.17382812e-02,
         1.21582031e-01, -4.51171875e-01,  2.52685547e-02, -1.47460938e-01,
         1.40625000e-01,  1.84570312e-01,  1.62109375e-01, -7.86132812e-02,
         5.90820312e-02,  1.87500000e-01, -2.27928162e-04, -9.66796875e-02,
        -5.56640625e-02, -2.20703125e-01, -3.00781250e-01,  3.06640625e-01,
         1.73828125e-01,  1.83593750e-01, -3.28125000e-01, -8.39843750e-02,
        -1.60156250e-01,  5.61523438e-03,  1.81640625e-01, -2.22656250e-01,
         5.37109375e-02,  5.10253906e-02,  1.16699219e-01, -2.07031250e-01,
         1.26342773e-02, -3.94531250e-01, -5.58593750e-01, -8.64257812e-02,
        -4.68750000e-02,  4.45312500e-01, -2.28515625e-01,  2.50000000e-01,
         7.81250000e-02, -2.47070312e-01, -1.20117188e-01, -1.22070312e-01,
        -4.92187500e-01,  2.39257812e-01, -2.03125000e-01, -1.31835938e-01,
        -1.90429688e-01, -7.32421875e-02,  9.13085938e-02, -8.44726562e-02,
        -1.72851562e-01,  4.80957031e-02,  1.45507812e-01, -1.45507812e-01,
         4.58984375e-01, -9.86328125e-02,  5.34667969e-02,  1.72851562e-01,
         1.03759766e-02, -6.49414062e-02, -1.41601562e-01,  2.71484375e-01,
         4.51660156e-02, -4.00390625e-02,  1.95312500e-01, -3.61328125e-01,
        -2.41210938e-01,  3.47656250e-01, -1.09863281e-01,  3.78417969e-02,
        -3.53515625e-01, -1.31835938e-01, -1.40625000e-01, -3.61328125e-02,
        -1.99218750e-01,  3.51562500e-01, -1.14257812e-01,  1.33789062e-01,
        -1.08886719e-01, -1.76757812e-01,  2.28515625e-01, -1.82617188e-01,
        -2.85156250e-01, -3.20312500e-01, -5.93261719e-02,  8.93554688e-02,
        -1.17675781e-01,  7.71484375e-02, -8.69140625e-02,  3.65234375e-01,
        -8.00781250e-02, -2.71484375e-01, -3.32031250e-01, -1.13769531e-01,
         9.37500000e-02,  8.59375000e-02, -1.94335938e-01, -2.08007812e-01,
        -1.88476562e-01, -1.87500000e-01, -2.09960938e-01, -1.15234375e-01,
         9.46044922e-03, -1.73828125e-01, -3.67187500e-01,  2.24609375e-01,
        -2.13867188e-01,  4.85839844e-02, -1.01318359e-02,  8.20312500e-02,
        -8.39843750e-02,  7.91015625e-02, -4.12597656e-02,  4.12109375e-01,
         6.88476562e-02,  1.52343750e-01, -2.24609375e-01, -1.26953125e-01,
        -1.78710938e-01, -4.14062500e-01, -8.83789062e-02, -1.89453125e-01,
         9.61914062e-02,  7.66601562e-02, -5.78613281e-02, -2.19726562e-02,
        -8.05664062e-03, -1.51367188e-01, -1.35742188e-01, -2.91015625e-01,
         3.51562500e-01,  8.88671875e-02, -4.61425781e-02, -2.79296875e-01,
         1.38671875e-01, -1.42578125e-01,  1.23535156e-01,  1.26953125e-01,
        -8.25195312e-02, -2.36328125e-01, -3.19824219e-02,  7.47070312e-02,
         2.05078125e-02, -1.30004883e-02,  1.60156250e-01,  2.59765625e-01,
         1.16210938e-01, -6.71386719e-04,  6.25000000e-02,  2.13867188e-01,
        -1.12304688e-02,  1.93359375e-01, -1.65039062e-01,  1.06933594e-01,
         1.99218750e-01,  1.36718750e-01, -2.71484375e-01, -1.07421875e-01,
         4.32128906e-02,  3.41796875e-01, -4.78515625e-01,  1.64062500e-01,
        -8.34960938e-02, -1.51367188e-01, -1.07421875e-01, -1.75781250e-01,
        -4.80468750e-01, -3.34472656e-02, -1.07910156e-01, -1.19140625e-01,
         8.88671875e-02, -5.56640625e-02, -9.66796875e-02,  4.88281250e-01,
        -1.27929688e-01, -3.56445312e-02,  2.53906250e-01,  1.45507812e-01,
        -1.52343750e-01,  1.55273438e-01, -2.03125000e-01, -7.27539062e-02,
        -3.43750000e-01,  8.54492188e-02, -2.27539062e-01,  4.37011719e-02,
         9.86328125e-02, -1.51367188e-01, -4.61425781e-02,  4.60937500e-01,
        -1.39648438e-01, -1.56250000e-01,  1.15234375e-01, -1.35742188e-01,
         2.25585938e-01,  1.40625000e-01,  1.15234375e-01, -4.61425781e-0
2],
       dtype=float32),
 'healthcare': array([-1.10351562e-01,  5.66406250e-02, -2.23388672e-02,
7.76367188e-02,
         1.62353516e-02,  9.22851562e-02, -3.95507812e-02, -1.01928711e-02,
         1.53320312e-01, -2.44140625e-01, -3.12500000e-01, -1.50390625e-01,
        -1.31835938e-01,  1.41601562e-01,  6.78710938e-02, -4.97436523e-03,
         1.69921875e-01,  3.47656250e-01, -2.73437500e-02,  3.66210938e-02,
         6.73828125e-02, -1.10351562e-01,  3.18359375e-01,  8.69140625e-02,
         2.27050781e-02,  3.37890625e-01, -1.84570312e-01, -6.92749023e-03,
        -6.93359375e-02, -1.27929688e-01, -7.66601562e-02, -3.11279297e-02,
        -2.01416016e-02, -2.02148438e-01, -1.25976562e-01, -3.93066406e-02,
         1.22070312e-01,  1.96289062e-01,  5.71289062e-02, -5.51757812e-02,
        -3.00781250e-01,  1.49414062e-01,  4.79125977e-03,  8.00781250e-02,
```

```
-2.09960938e-02, -2.31445312e-01, -1.13525391e-02, -4.76074219e-02,
-1.00585938e-01, -1.09375000e-01,  3.75976562e-02,  1.02050781e-01,
-3.20312500e-01,  3.73535156e-02, -8.15429688e-02, -3.29589844e-02,
 9.03320312e-02,  1.64794922e-02,  1.47460938e-01, -1.60156250e-01,
-1.45507812e-01, -1.53320312e-01, -7.56835938e-02, -2.25585938e-01,
 7.61718750e-02,  1.73828125e-01, -2.71484375e-01,  2.43164062e-01,
-6.59179688e-02,  7.71484375e-02, -2.16796875e-01,  1.05468750e-01,
 2.61718750e-01,  1.57470703e-02, -9.32617188e-02, -2.31445312e-01,
 2.53906250e-02,  6.22558594e-02, -7.91015625e-02,  8.30078125e-02,
-1.77734375e-01, -2.65502930e-03, -1.74804688e-01,  5.67436218e-05,
 1.72851562e-01, -9.17968750e-02, -3.22265625e-01, -1.48437500e-01,
 3.93066406e-02,  2.46582031e-02,  6.13281250e-01, -2.91015625e-01,
 2.34375000e-02, -5.59082031e-02, -8.34960938e-02, -7.56835938e-02,
 3.84765625e-01,  7.65991211e-03,  9.71679688e-02,  7.27539062e-02,
-9.86328125e-02, -1.97265625e-01,  1.50390625e-01,  1.47460938e-01,
-9.22851562e-02,  1.73339844e-02, -7.81250000e-03,  1.12915039e-02,
 2.71484375e-01, -1.00585938e-01,  2.26562500e-01,  4.19921875e-02,
-1.30859375e-01, -6.44531250e-02,  1.68945312e-01,  5.83496094e-02,
-3.75976562e-02, -2.96875000e-01,  3.16406250e-01, -1.45874023e-02,
-2.46093750e-01, -1.84570312e-01, -4.27246094e-02, -4.58984375e-02,
 7.91015625e-02, -1.22070312e-01, -1.03027344e-01, -2.07031250e-01,
 6.17675781e-02,  1.61132812e-01, -7.61718750e-02,  2.06054688e-01,
-1.53320312e-01, -2.53906250e-01, -4.51660156e-02,  1.60156250e-01,
-5.10253906e-02, -1.54296875e-01,  1.66015625e-01,  3.51562500e-02,
 2.89306641e-02, -2.77343750e-01,  6.83593750e-02,  1.10839844e-01,
-2.75390625e-01, -1.65039062e-01,  3.14453125e-01,  2.25585938e-01,
-6.78710938e-02, -1.55639648e-02,  1.65039062e-01, -1.79687500e-01,
-6.54296875e-02, -5.90820312e-02, -6.64062500e-02, -1.14257812e-01,
-1.32812500e-01, -2.20703125e-01, -1.72851562e-01, -3.80859375e-01,
-8.98437500e-02, -1.25976562e-01, -3.68652344e-02, -4.73632812e-02,
-3.22265625e-01,  4.46777344e-02, -3.18359375e-01, -2.59765625e-01,
-1.91650391e-02, -5.98144531e-02,  7.59887695e-03,  2.39257812e-01,
 2.35351562e-01, -2.36328125e-01, -5.73730469e-02, -1.87500000e-01,
 9.42382812e-02,  7.86132812e-02, -1.83593750e-01, -2.37304688e-01,
-4.82421875e-01, -6.68945312e-02, -1.18164062e-01, -1.06933594e-01,
-7.08007812e-02,  3.54003906e-02, -2.38281250e-01,  2.63671875e-01,
-3.58886719e-02, -8.39843750e-02,  1.01318359e-02, -1.31835938e-01,
 5.27343750e-02, -9.52148438e-02, -6.88476562e-02,  5.85937500e-02,
-2.35351562e-01,  1.86767578e-02,  2.42187500e-01, -3.03955078e-02,
-4.06250000e-01,  1.31835938e-01,  2.79296875e-01, -2.06054688e-01,
-3.00781250e-01, -2.10937500e-01,  2.59765625e-01, -1.72851562e-01,
 1.57226562e-01, -4.57031250e-01, -8.64257812e-02, -9.27734375e-02,
 5.00488281e-02, -5.59082031e-02,  5.22460938e-02,  4.39453125e-02,
 6.86645508e-03,  1.37695312e-01, -1.09375000e-01,  9.33837891e-03,
-8.74023438e-02, -1.90429688e-01,  2.13867188e-01, -1.11328125e-01,
-7.35473633e-03,  3.88183594e-02,  2.31445312e-01, -1.02539062e-01,
-3.27148438e-02,  7.91015625e-02,  5.02929688e-02,  1.07910156e-01,
 1.14257812e-01, -2.48046875e-01, -1.82617188e-01, -5.34057617e-03,
 8.74023438e-02,  3.32031250e-01, -8.44726562e-02, -2.02636719e-02,
 2.19726562e-02, -5.76171875e-02,  1.95312500e-01, -5.88378906e-02,
 3.56445312e-02,  3.61328125e-02,  1.01074219e-01,  1.48437500e-01,
-3.30078125e-01, -1.32812500e-01, -1.85546875e-01, -1.33789062e-01,
 1.69921875e-01,  8.64257812e-02, -6.64062500e-02,  4.29687500e-02,
-7.71484375e-02,  5.73730469e-02,  1.43432617e-03, -2.29492188e-02,
-1.16210938e-01, -1.06445312e-01, -4.34570312e-02, -1.28906250e-01,
-8.25195312e-02, -5.22460938e-02, -1.15234375e-01, -1.86523438e-01,
-1.44531250e-01,  3.18359375e-01, -1.67968750e-01, -1.70898438e-02,
 1.73828125e-01, -2.29492188e-01, -2.73437500e-02,  1.06445312e-01,
-8.34960938e-02, -6.64062500e-02,  1.04492188e-01, -5.83496094e-02,
-1.09863281e-01,  9.15527344e-03, -1.34765625e-01,  1.92382812e-01,
-3.49609375e-01, -8.39843750e-02, -7.65991211e-03, -1.21093750e-01,
 1.62109375e-01,  4.44335938e-02, -1.94335938e-01, -5.15136719e-02,
-2.77343750e-01,  1.73828125e-01,  6.10351562e-02,  1.51367188e-01,
 1.44531250e-01,  1.41601562e-01,  2.59765625e-01,  1.77734375e-0
```

```
1],
       dtype=float32),
 'much': array([ 0.16894531,  0.06396484, -0.08447266,  0.17382812, -0.0751
9531,
         0.08935547,  0.23828125, -0.19335938,  0.078125  ,  0.00897217,
        -0.00408936, -0.15722656,  0.10253906,  0.03271484, -0.05688477,
         0.0234375 ,  0.02368164,  0.23925781,  0.08105469,  0.01104736,
        -0.17773438,  0.10107422,  0.07275391, -0.01293945,  0.10107422,
         0.0378418 , -0.13476562,  0.01422119, -0.01428223, -0.05249023,
        -0.0402832 ,  0.15527344, -0.07226562, -0.06982422, -0.01177979,
        -0.01843262, -0.0062561 ,  0.11865234,  0.10449219,  0.2578125 ,
         0.14355469, -0.18261719,  0.15332031, -0.05224609, -0.03759766,
        -0.08007812, -0.19921875,  0.20800781,  0.05810547, -0.10693359,
         0.23730469,  0.00811768, -0.06591797, -0.08251953,  0.0378418 ,
         0.11474609, -0.07958984,  0.0004673 ,  0.1171875 , -0.20605469,
         0.03515625,  0.11376953, -0.18457031, -0.04980469,  0.02368164,
        -0.06176758,  0.06225586, -0.07910156, -0.09814453, -0.06396484,
         0.09130859,  0.05419922,  0.16210938, -0.08300781, -0.24609375,
        -0.05078125,  0.1328125 ,  0.14941406,  0.07324219, -0.06542969,
        -0.20703125,  0.07373047,  0.0011673 ,  0.11962891, -0.32226562,
        -0.08837891, -0.06835938,  0.20507812,  0.07226562,  0.07470703,
         0.23046875,  0.1328125 , -0.15527344, -0.05249023,  0.04248047,
        -0.00230408, -0.02124023,  0.07568359, -0.07470703, -0.09521484,
        -0.04833984, -0.00897217,  0.00128937, -0.06591797, -0.11962891,
        -0.07666016, -0.12695312, -0.05566406,  0.03979492, -0.24023438,
         0.21679688, -0.05395508,  0.15820312, -0.03125   ,  0.16796875,
         0.06835938,  0.3515625 , -0.09716797,  0.01965332,  0.06640625,
        -0.06347656,  0.078125  , -0.09765625,  0.04858398, -0.16113281,
         0.09423828, -0.04101562,  0.12695312, -0.03173828, -0.02124023,
         0.06079102, -0.08203125, -0.02954102, -0.06298828, -0.05419922,
        -0.1015625 ,  0.19140625,  0.08203125,  0.02087402, -0.14257812,
        -0.04296875, -0.05053711,  0.02001953, -0.20019531,  0.04345703,
        -0.14160156, -0.12792969, -0.03442383, -0.13378906, -0.03125   ,
        -0.03759766, -0.02416992, -0.14453125,  0.0612793 , -0.03222656,
         0.04980469,  0.02905273, -0.00836182, -0.15820312, -0.0098877 ,
         0.203125  ,  0.35546875,  0.07910156,  0.05053711,  0.05712891,
        -0.11669922, -0.01525879,  0.05932617,  0.13769531, -0.02880859,
        -0.15527344,  0.04589844, -0.04711914, -0.12988281, -0.08007812,
         0.23730469, -0.01190186, -0.27148438,  0.0222168 , -0.06542969,
         0.02746582, -0.08251953, -0.08398438, -0.12011719,  0.08886719,
        -0.03125   ,  0.03198242, -0.07177734, -0.07617188,  0.07568359,
         0.2265625 , -0.08447266,  0.05688477, -0.06445312,  0.00133514,
        -0.14355469, -0.23925781, -0.02880859,  0.07275391, -0.13671875,
        -0.04833984,  0.01055908, -0.08007812,  0.20214844,  0.04418945,
         0.06347656, -0.13867188, -0.09960938, -0.05029297, -0.03613281,
        -0.14160156,  0.09179688,  0.02001953, -0.03393555, -0.19628906,
        -0.10107422,  0.22265625,  0.01245117,  0.00085068, -0.03015137,
         0.03015137, -0.09619141,  0.01867676, -0.08056641,  0.01794434,
        -0.11767578,  0.09814453,  0.07763672,  0.10742188,  0.11669922,
        -0.04589844, -0.07324219,  0.26171875, -0.12109375,  0.01086426,
        -0.01989746, -0.28125   , -0.34765625,  0.10351562, -0.16699219,
         0.02697754, -0.14257812,  0.15722656, -0.25976562,  0.01696777,
        -0.05810547,  0.05151367, -0.11474609, -0.13964844,  0.1015625 ,
         0.03295898,  0.17773438,  0.10693359,  0.00297546,  0.00994873,
        -0.01818848,  0.05883789,  0.17773438, -0.12451172, -0.07226562,
         0.10400391, -0.07617188, -0.08398438, -0.17871094, -0.06445312,
         0.11083984, -0.02038574, -0.13183594,  0.0559082 ,  0.07275391,
         0.01159668,  0.05444336,  0.08642578,  0.11279297,  0.00689697,
         0.00534058, -0.08789062, -0.02307129, -0.11376953, -0.12695312,
         0.14941406,  0.01184082, -0.04394531,  0.04614258, -0.03808594,
         0.00244141,  0.03295898,  0.04663086,  0.10205078,  0.04003906,
        -0.34375   , -0.02172852, -0.06640625,  0.05541992, -0.10205078,
        -0.02172852,  0.14941406, -0.171875  , -0.02929688, -0.20605469],
       dtype=float32),
```

```
 'exceptional': array([-1.51367188e-01,  1.63085938e-01, -1.10351562e-01,
1.78710938e-01,
         5.22460938e-02,  8.10546875e-02,  9.37500000e-02, -2.42187500e-01,
         3.29589844e-02,  1.22070312e-01, -2.59765625e-01, -1.47460938e-01,
         2.40234375e-01, -1.11816406e-01, -5.24902344e-02,  9.08203125e-02,
         1.12304688e-01,  1.25000000e-01, -5.39550781e-02,  6.88476562e-02,
        -4.71191406e-02, -1.46484375e-01, -2.83203125e-01, -5.88378906e-02,
         1.71875000e-01, -8.88671875e-02,  8.25195312e-02,  4.41894531e-02,
         3.95507812e-02, -2.71606445e-03, -3.80859375e-02, -1.62109375e-01,
         3.41796875e-01,  1.39648438e-01,  1.71875000e-01, -4.22363281e-02,
        -2.83203125e-01, -3.22265625e-01, -2.28515625e-01, -8.00781250e-02,
         3.57421875e-01,  9.71679688e-02,  5.15136719e-02,  8.44726562e-02,
         1.04980469e-02, -3.43750000e-01,  8.59375000e-02, -5.10253906e-02,
         4.58984375e-02, -2.71484375e-01, -7.69042969e-03,  1.05957031e-01,
        -2.71484375e-01,  2.34375000e-01,  1.26953125e-02,  8.00781250e-02,
        -1.81640625e-01, -4.58984375e-02,  3.32031250e-02,  4.83398438e-02,
        -1.29882812e-01,  9.42382812e-02, -2.28515625e-01, -4.72656250e-01,
         9.57031250e-02,  4.98046875e-02, -4.49218750e-02, -1.29882812e-01,
        -8.59375000e-02,  1.72851562e-01, -1.14746094e-01, -1.00097656e-01,
         8.42285156e-03,  8.17871094e-03, -1.95312500e-02,  9.08203125e-02,
         1.80664062e-01,  7.95898438e-02,  1.49414062e-01, -9.96093750e-02,
        -1.10351562e-01,  7.86132812e-02, -3.08593750e-01,  8.54492188e-02,
         1.17675781e-01, -2.45117188e-01, -1.44531250e-01,  1.36718750e-01,
        -2.08984375e-01,  5.15136719e-02,  2.02148438e-01, -1.09863281e-01,
        -8.10546875e-02,  1.43554688e-01,  7.41577148e-03, -1.65039062e-01,
        -6.15234375e-02,  4.00390625e-01, -8.30078125e-03, -2.43164062e-01,
        -4.17480469e-02,  2.13867188e-01, -2.69775391e-02,  4.68750000e-02,
        -5.37109375e-02,  6.29882812e-02,  1.95312500e-01, -9.32617188e-02,
         5.41992188e-02, -2.47070312e-01,  1.37695312e-01,  9.52148438e-02,
        -3.98437500e-01,  2.35351562e-01,  2.14843750e-01, -1.12792969e-01,
        -1.89208984e-02, -2.40234375e-01, -2.83203125e-02, -6.59179688e-02,
         1.51367188e-02, -1.56250000e-02,  2.37304688e-01,  1.43554688e-01,
        -5.95703125e-02,  7.12890625e-02,  3.73535156e-02, -9.91210938e-02,
         8.44726562e-02,  4.33593750e-01, -8.20312500e-02,  4.95605469e-02,
        -3.67187500e-01,  1.50390625e-01,  2.69775391e-02, -3.61328125e-02,
         1.04003906e-01, -1.04370117e-02,  5.17578125e-02,  2.59765625e-01,
        -1.53320312e-01,  7.81250000e-02, -7.26318359e-03,  1.75781250e-01,
        -7.03125000e-02, -8.25195312e-02,  5.68847656e-02, -1.70898438e-02,
         8.83789062e-02,  4.30297852e-03,  1.81640625e-01,  3.45703125e-01,
         4.22363281e-02,  1.72851562e-01, -2.32421875e-01, -2.07519531e-02,
        -2.53295898e-03,  5.32226562e-02,  4.05273438e-02, -1.35742188e-01,
        -4.34570312e-02,  1.04492188e-01,  1.37695312e-01,  8.49609375e-02,
         1.77734375e-01, -2.36816406e-02, -1.14257812e-01, -1.51367188e-01,
        -2.12890625e-01, -2.64892578e-02, -1.56250000e-01,  2.07901001e-04,
        -1.60156250e-01, -1.54296875e-01, -8.59375000e-02,  7.23266602e-03,
         4.73632812e-02,  9.76562500e-02, -1.06933594e-01, -3.20312500e-01,
        -3.49609375e-01, -7.81250000e-02,  1.81640625e-01, -1.69921875e-01,
        -1.48437500e-01, -1.50390625e-01, -1.38671875e-01, -1.30859375e-01,
        -1.77734375e-01, -2.96630859e-02, -2.21679688e-01,  1.18652344e-01,
         2.57812500e-01, -1.82617188e-01, -3.46679688e-02, -1.82617188e-01,
         2.18750000e-01, -2.06054688e-01, -1.63574219e-02, -1.09863281e-01,
         4.32128906e-02,  2.53906250e-01, -4.80957031e-02, -1.92871094e-02,
        -4.37011719e-02,  3.27148438e-02, -1.10839844e-01, -1.66015625e-02,
         8.93554688e-02,  2.83203125e-02, -7.81250000e-02, -8.74023438e-02,
         6.64062500e-02,  1.57226562e-01,  6.04248047e-03, -1.98974609e-02,
         3.26171875e-01,  1.26342773e-02, -3.75976562e-02, -1.88476562e-01,
         6.34765625e-02,  2.12890625e-01, -2.19726562e-01,  2.67333984e-02,
         5.34667969e-02,  2.75390625e-01,  9.57031250e-02,  1.31835938e-02,
        -1.25732422e-02, -7.27539062e-02, -2.46093750e-01, -1.77001953e-02,
        -1.03027344e-01,  1.01074219e-01, -7.47070312e-02, -9.47265625e-02,
        -1.26953125e-01, -9.03320312e-02,  1.32812500e-01,  9.22851562e-02,
        -1.67968750e-01, -1.30615234e-02,  8.78906250e-02,  1.28906250e-01,
         6.29882812e-02,  2.61230469e-02, -8.59375000e-02, -2.94921875e-01,
        -5.93261719e-02, -3.35937500e-01,  1.21582031e-01, -1.68457031e-02,
```

```
        -2.11914062e-01,  1.60156250e-01,  2.63671875e-01, -1.84570312e-01,
        -3.71093750e-02, -2.47802734e-02,  1.03759766e-02,  2.94189453e-02,
         1.41601562e-01, -5.73730469e-03, -1.60156250e-01,  1.72851562e-01,
         3.22265625e-02,  3.61328125e-02,  1.90429688e-02, -1.42578125e-01,
        -2.55859375e-01, -1.62109375e-01, -1.15356445e-02,  1.81579590e-03,
        -1.03515625e-01, -4.78515625e-02,  1.50390625e-01,  1.48925781e-02,
         1.06445312e-01,  3.97949219e-02, -9.96093750e-02,  1.68457031e-02,
         1.94091797e-02,  1.78222656e-02, -2.19726562e-02,  1.64062500e-01,
        -8.49609375e-02,  2.96875000e-01, -2.35351562e-01,  2.67028809e-03,
         3.73535156e-02, -1.00585938e-01,  2.48046875e-01,  6.29882812e-02,
        -2.17773438e-01,  9.32617188e-02, -5.46875000e-02, -2.97546387e-03,
        -2.72216797e-02,  1.24023438e-01, -8.30078125e-02,  6.39648438e-0
2],
       dtype=float32),
 'deserves': array([-7.81250000e-02,  6.05468750e-02, -1.89208984e-02,  1.8
7500000e-01,
         1.14257812e-01,  6.03027344e-02,  5.03906250e-01, -1.98242188e-01,
         4.73632812e-02,  1.42578125e-01, -3.76953125e-01, -2.94921875e-01,
         3.33984375e-01, -1.08886719e-01,  1.50390625e-01,  4.72656250e-01,
         1.27929688e-01,  1.56250000e-02, -1.44042969e-02,  1.86523438e-01,
        -1.96289062e-01, -1.78222656e-02,  7.95898438e-02, -2.59765625e-01,
         2.63671875e-02, -3.28125000e-01, -2.74658203e-02, -8.20312500e-02,
         7.86132812e-02,  2.48046875e-01,  1.15356445e-02,  7.56835938e-02,
        -3.65234375e-01,  2.67578125e-01,  6.09375000e-01,  9.76562500e-03,
         1.02050781e-01,  2.09960938e-01, -2.17285156e-02,  1.54296875e-01,
         1.33789062e-01, -1.88476562e-01,  1.43432617e-02,  5.51757812e-02,
         6.39648438e-02, -2.32421875e-01,  7.91015625e-02, -4.24804688e-02,
        -7.01904297e-03, -2.89062500e-01, -1.94335938e-01,  2.08007812e-01,
         1.22070312e-01,  3.12500000e-01, -7.86132812e-02,  9.86328125e-02,
         2.34375000e-02,  1.40625000e-01, -2.90527344e-02, -3.82812500e-01,
         1.15722656e-01,  3.78906250e-01, -2.75390625e-01, -4.90234375e-01,
         2.11914062e-01, -9.61914062e-02,  1.97753906e-02, -3.84765625e-01,
        -3.22265625e-01,  2.05078125e-01,  3.33984375e-01,  2.55126953e-02,
         2.77343750e-01,  6.39648438e-02, -8.44726562e-02, -2.01171875e-01,
         2.00195312e-01,  2.63671875e-01,  2.14843750e-01,  2.47070312e-01,
        -2.15820312e-01,  3.61328125e-01,  1.05957031e-01, -5.37109375e-02,
        -1.18652344e-01, -1.29882812e-01,  2.41699219e-02,  1.83593750e-01,
         3.24218750e-01,  1.30859375e-01,  1.93359375e-01,  5.37109375e-03,
         1.22558594e-01,  1.01562500e-01, -2.52685547e-02, -2.65625000e-01,
         6.15234375e-02,  3.94531250e-01,  2.73437500e-01, -1.72851562e-01,
        -2.46093750e-01,  1.94335938e-01,  7.81250000e-02, -7.81250000e-02,
        -4.16015625e-01, -8.49609375e-02, -2.91015625e-01,  1.85546875e-02,
        -4.83398438e-02, -4.24804688e-02, -1.86523438e-01, -6.25000000e-02,
        -9.42382812e-02,  8.00781250e-02,  3.14453125e-01,  2.86865234e-02,
        -2.67578125e-01,  4.78515625e-02,  1.72851562e-01,  7.47070312e-02,
         1.26953125e-02, -1.20239258e-02, -8.00781250e-02, -3.66210938e-04,
        -3.07617188e-02, -2.11914062e-01,  5.66406250e-02,  5.37109375e-02,
        -2.67578125e-01, -1.86523438e-01, -2.07519531e-02,  3.27148438e-02,
        -2.85156250e-01, -1.18652344e-01, -1.30859375e-01, -3.16406250e-01,
         1.14746094e-01,  2.25585938e-01, -1.70898438e-01,  2.18750000e-01,
         8.49609375e-02, -7.03125000e-02,  1.57226562e-01, -9.52148438e-02,
        -1.95312500e-01, -1.16210938e-01, -1.85546875e-01, -8.34960938e-02,
         7.71484375e-02, -2.29492188e-01,  1.85546875e-01,  2.63671875e-01,
         1.45874023e-02,  9.71679688e-02,  4.33349609e-03, -1.06445312e-01,
         3.41796875e-01, -1.14257812e-01,  2.88085938e-02, -2.81250000e-01,
         1.78710938e-01,  1.01928711e-02,  2.23632812e-01,  1.81640625e-01,
        -1.82617188e-01, -3.35937500e-01, -1.59912109e-02, -1.41601562e-01,
        -1.15234375e-01,  7.66601562e-02,  1.92382812e-01, -1.56250000e-01,
        -4.29687500e-02,  5.17578125e-02, -2.54821777e-03,  3.66210938e-02,
         8.78906250e-02, -1.12304688e-01,  1.24023438e-01,  2.29492188e-01,
        -1.11328125e-01,  1.34765625e-01,  7.03125000e-02,  2.47070312e-01,
        -2.77343750e-01, -1.93359375e-01, -2.16064453e-02, -1.77734375e-01,
        -1.14746094e-01,  2.91015625e-01,  1.15722656e-01,  9.71679688e-02,
         2.63671875e-01, -1.03515625e-01,  6.64062500e-02, -1.26953125e-01,
```

```
        -2.71484375e-01, -1.18164062e-01, -8.69140625e-02,  1.57470703e-02,
        -2.65625000e-01,  1.48437500e-01,  7.22656250e-02,  1.21459961e-02,
         1.03515625e-01, -9.57031250e-02, -1.60156250e-01,  3.24218750e-01,
        -1.33789062e-01, -5.81054688e-02,  1.97265625e-01,  3.96484375e-01,
         3.71093750e-02,  2.51464844e-02, -1.35742188e-01,  2.22656250e-01,
         9.03320312e-02,  6.78710938e-02,  8.10546875e-02,  7.91015625e-02,
        -1.18164062e-01, -1.67968750e-01, -9.86328125e-02,  4.02832031e-02,
         2.27539062e-01,  1.58203125e-01,  6.34765625e-02, -2.04101562e-01,
        -5.81054688e-02,  2.24609375e-01, -1.57226562e-01, -2.67578125e-01,
         7.22656250e-02,  2.75390625e-01, -8.98437500e-02,  8.39843750e-02,
        -1.86767578e-02, -4.34570312e-02,  4.72656250e-01, -1.46484375e-01,
         1.19628906e-01, -2.08984375e-01,  1.77734375e-01,  4.07714844e-02,
        -8.98437500e-02,  1.92382812e-01,  2.14843750e-01,  9.91210938e-02,
         1.97265625e-01, -1.79687500e-01, -2.81250000e-01,  2.85156250e-01,
        -5.49316406e-02, -2.53906250e-02,  2.44140625e-01,  1.45507812e-01,
        -8.10546875e-02,  1.66015625e-02, -2.39257812e-01, -4.07714844e-02,
        -1.36718750e-01, -2.09045410e-03, -1.04980469e-01,  1.50390625e-01,
         5.39062500e-01,  3.65234375e-01, -1.16210938e-01,  6.78710938e-02,
        -3.37890625e-01, -1.14746094e-01, -2.55859375e-01, -8.30078125e-02,
         8.59375000e-02, -5.18798828e-03, -7.08007812e-02,  1.33666992e-02,
         2.05078125e-02, -2.26562500e-01, -1.10351562e-01, -8.10546875e-02,
        -5.17578125e-02, -1.18652344e-01, -1.35742188e-01,  2.51953125e-01,
        -1.25000000e-01,  1.45507812e-01,  5.15136719e-02,  8.30078125e-02,
         2.22656250e-01, -1.43554688e-01, -8.54492188e-02, -8.69140625e-02,
        -2.33398438e-01,  1.22558594e-01, -9.57031250e-02,  1.23046875e-01,
         3.17382812e-02, -2.30468750e-01, -1.25000000e-01,  5.56640625e-0
2],
       dtype=float32),
 'sharing': array([ 9.71679688e-02, -5.46264648e-03, -1.26953125e-01,  2.50
000000e-01,
        -1.95312500e-01,  7.08007812e-02, -3.63159180e-03, -6.73828125e-02,
         5.90820312e-02,  3.08593750e-01, -1.75781250e-01, -1.57226562e-01,
        -2.72216797e-02,  2.18750000e-01, -3.47656250e-01, -7.47070312e-02,
         1.47460938e-01,  4.22363281e-02, -7.47070312e-02,  3.34472656e-02,
        -1.27929688e-01, -4.29687500e-02, -1.90429688e-01, -1.38549805e-02,
         6.54296875e-02, -9.15527344e-03, -1.90429688e-01,  5.27343750e-02,
         1.15722656e-01, -8.88671875e-02, -2.23632812e-01, -1.00097656e-01,
         1.03149414e-02,  3.30078125e-01, -4.07714844e-02, -1.96289062e-01,
        -9.32617188e-02, -8.78906250e-02,  1.27929688e-01,  1.52343750e-01,
        -7.37304688e-02,  1.33056641e-02,  1.51367188e-01,  1.53320312e-01,
        -4.11987305e-03, -4.27246094e-02, -1.30859375e-01,  9.21630859e-03,
         8.34960938e-02, -3.08837891e-02,  9.71679688e-02, -1.80664062e-01,
        -5.88378906e-02,  1.45721436e-03,  1.36718750e-01,  8.11767578e-03,
        -2.67578125e-01,  6.39648438e-02,  1.20117188e-01,  1.39648438e-01,
         1.07421875e-01, -4.00390625e-02, -1.66992188e-01, -3.69262695e-03,
         1.04980469e-01,  1.14746094e-01, -2.16796875e-01, -2.19726562e-02,
         2.63671875e-01, -1.25000000e-01, -4.78515625e-02,  1.10839844e-01,
         5.39550781e-02, -7.44628906e-03, -2.96630859e-02,  9.47265625e-02,
        -2.35351562e-01, -3.36914062e-02,  1.40625000e-01,  4.14062500e-01,
        -1.00585938e-01, -4.83398438e-02,  1.49414062e-01,  6.29882812e-02,
         2.89062500e-01, -3.71093750e-01, -1.04003906e-01,  2.21252441e-03,
        -1.57226562e-01,  4.51660156e-02,  1.97265625e-01, -8.44726562e-02,
         2.50244141e-02,  4.46777344e-02,  1.82617188e-01,  2.30468750e-01,
         1.50390625e-01, -1.17187500e-01, -3.75976562e-02, -5.98144531e-02,
        -1.19628906e-01, -1.14746094e-01,  4.00390625e-02, -5.56640625e-02,
        -1.44531250e-01,  1.00097656e-01, -1.62109375e-01,  5.88378906e-02,
        -3.63769531e-02,  5.00488281e-02, -5.98144531e-02,  9.76562500e-02,
         4.02832031e-02, -2.77343750e-01,  1.24023438e-01,  3.08593750e-01,
         2.53906250e-01, -2.38281250e-01, -1.62109375e-01,  1.28906250e-01,
         1.20605469e-01, -1.33789062e-01, -1.26953125e-01,  2.13867188e-01,
        -2.38281250e-01, -7.32421875e-02,  1.22558594e-01,  1.39770508e-02,
        -1.28906250e-01,  1.80664062e-01,  3.32031250e-02, -1.12304688e-01,
        -1.62109375e-01,  3.14941406e-02, -2.59399414e-04,  1.31835938e-02,
         4.88281250e-02, -1.87988281e-02, -1.41601562e-01,  2.33154297e-02,
```

```
         1.64794922e-02, -1.98974609e-02, -2.94921875e-01, -5.12695312e-02,
        -1.65039062e-01, -2.23632812e-01, -2.42187500e-01, -1.25976562e-01,
         8.74023438e-02,  6.10351562e-02,  1.25976562e-01,  1.33789062e-01,
        -2.61718750e-01, -7.51953125e-02,  3.14453125e-01, -1.63085938e-01,
         1.74804688e-01, -5.15747070e-03, -2.30468750e-01,  1.45507812e-01,
        -7.71484375e-02,  1.56250000e-01, -3.02734375e-01,  1.64062500e-01,
        -2.61718750e-01, -4.93164062e-02,  9.27734375e-02,  2.82287598e-03,
        -1.43554688e-01, -5.49316406e-02, -1.05957031e-01,  7.27539062e-02,
         2.18750000e-01, -1.75781250e-01,  5.82885742e-03, -5.81054688e-02,
        -1.02539062e-01, -1.09863281e-01, -3.57421875e-01,  1.97265625e-01,
        -3.93066406e-02, -6.29882812e-02,  1.03515625e-01, -1.12792969e-01,
         2.25830078e-02, -6.64062500e-02, -2.77343750e-01, -9.71679688e-02,
        -5.71289062e-02, -9.52148438e-03,  1.25122070e-02,  5.27343750e-02,
         3.37890625e-01, -1.56250000e-02, -1.73828125e-01,  1.66992188e-01,
        -2.46093750e-01, -1.15234375e-01,  1.90429688e-01, -4.02343750e-01,
        -5.29785156e-02, -2.46093750e-01,  1.78710938e-01,  6.20117188e-02,
        -1.55273438e-01,  4.32128906e-02, -5.22460938e-02, -1.30859375e-01,
        -6.98242188e-02,  1.24511719e-01, -1.64062500e-01, -1.18164062e-01,
         2.17773438e-01,  8.93554688e-02,  5.32226562e-02,  6.54296875e-02,
         1.56250000e-01,  1.64062500e-01, -2.49023438e-01,  7.37304688e-02,
        -5.66406250e-02, -1.95312500e-02,  3.20312500e-01, -5.95703125e-02,
        -3.73046875e-01, -1.09375000e-01, -2.22656250e-01, -2.80761719e-02,
         1.93359375e-01, -2.57812500e-01, -5.73730469e-03,  9.22851562e-02,
        -4.80957031e-02,  2.50000000e-01, -7.08007812e-02, -2.14843750e-01,
         1.23046875e-01, -2.53906250e-01, -1.66015625e-01,  1.57226562e-01,
         6.10351562e-02, -1.26953125e-01, -5.49316406e-02, -1.02539062e-01,
         9.15527344e-03,  3.27148438e-02, -1.39648438e-01,  7.37304688e-02,
        -7.91015625e-02, -4.71191406e-02,  6.44531250e-02,  3.51562500e-01,
         1.96289062e-01,  2.45117188e-01,  5.05371094e-02,  1.72851562e-01,
         1.01074219e-01,  1.09375000e-01, -2.89062500e-01,  5.46875000e-02,
        -1.70898438e-01,  1.69921875e-01,  1.50390625e-01,  3.37890625e-01,
        -2.79541016e-02,  2.29492188e-02,  3.09753418e-03,  2.63671875e-01,
        -3.41796875e-01,  1.55273438e-01,  3.57421875e-01,  1.41601562e-02,
         1.99218750e-01,  7.08007812e-02,  2.41210938e-01,  6.98242188e-02,
        -1.63085938e-01,  1.37695312e-01, -2.18750000e-01, -5.44433594e-02,
         1.27929688e-01,  4.37011719e-02, -1.62109375e-01,  5.05371094e-02,
         1.52343750e-01, -5.81054688e-02, -5.07812500e-02,  8.88671875e-02,
         4.07714844e-02, -1.24511719e-01, -1.50756836e-02,  9.13085938e-02,
         1.07421875e-01,  7.47070312e-02, -2.83203125e-01,  8.25195312e-02,
         2.75390625e-01, -2.98828125e-01, -1.75781250e-01, -5.02929688e-0
2],
       dtype=float32),
 'detail': array([ 8.97216797e-03,  2.47802734e-02, -3.36914062e-02, -1.894
53125e-01,
         4.41894531e-02,  1.25000000e-01,  2.73437500e-01, -8.64257812e-02,
         2.26562500e-01,  4.88281250e-03, -9.57031250e-02, -9.37500000e-02,
         1.77734375e-01,  4.51660156e-02, -5.78613281e-02,  2.83203125e-02,
        -7.17773438e-02,  2.41210938e-01, -2.68554688e-03, -2.83203125e-01,
        -6.88476562e-02, -3.12500000e-01, -1.43554688e-01,  1.44531250e-01,
         5.78613281e-02,  3.30078125e-01,  5.61523438e-02, -2.17773438e-01,
        -1.15722656e-01, -1.39648438e-01, -2.14843750e-01,  8.78906250e-02,
        -9.47265625e-02,  9.27734375e-02, -1.49414062e-01, -1.42578125e-01,
         2.98828125e-01, -8.88671875e-02,  8.49609375e-02, -8.59375000e-02,
         7.08007812e-02,  2.06054688e-01, -2.18505859e-02,  3.20312500e-01,
        -1.69921875e-01, -3.16406250e-01, -1.71875000e-01,  1.08398438e-01,
         7.03125000e-02, -5.09643555e-03,  1.03515625e-01, -2.78320312e-02,
         2.77343750e-01, -2.41699219e-02,  1.36718750e-01,  2.13623047e-02,
         1.44653320e-02,  2.80761719e-02,  1.09863281e-02, -4.46777344e-02,
         1.68945312e-01, -2.89916992e-03, -1.99218750e-01, -7.86132812e-02,
         7.51953125e-02, -6.54296875e-02, -1.33789062e-01,  8.00781250e-02,
         1.01562500e-01, -1.47460938e-01, -1.72119141e-02,  1.23535156e-01,
         6.25000000e-02, -1.17187500e-01,  1.30859375e-01,  2.17773438e-01,
         2.45117188e-01,  1.67968750e-01,  1.69921875e-01,  1.34765625e-01,
         7.12890625e-02,  2.65625000e-01,  3.80859375e-02, -2.81982422e-02,
```

```
         8.78906250e-02, -2.71484375e-01,  9.86328125e-02,  2.61718750e-01,
        -8.25195312e-02,  1.23535156e-01,  2.61718750e-01, -1.15966797e-02,
         1.02050781e-01,  4.10156250e-01,  1.22558594e-01, -2.94921875e-01,
        -1.24511719e-01,  4.54101562e-02, -3.54003906e-02,  6.07910156e-02,
        -1.59179688e-01, -7.08007812e-02,  5.12695312e-02, -2.00195312e-01,
         3.11279297e-02, -1.96533203e-02, -2.80761719e-02,  2.37304688e-01,
        -2.13867188e-01, -1.50390625e-01,  6.10351562e-03, -1.63574219e-02,
         7.78198242e-04, -5.44433594e-02,  2.89062500e-01, -1.58203125e-01,
        -8.25195312e-02, -2.83203125e-01,  1.35742188e-01,  1.55273438e-01,
        -2.81250000e-01,  5.66406250e-02, -7.47070312e-02, -1.23046875e-01,
         1.82617188e-01,  1.11328125e-01, -1.15234375e-01,  1.27929688e-01,
         1.31835938e-01,  8.30078125e-02, -1.74804688e-01, -2.87109375e-01,
        -7.81250000e-02,  3.01361084e-04,  1.50390625e-01, -1.14746094e-01,
        -5.37109375e-02, -5.46875000e-02, -5.07812500e-02,  1.13281250e-01,
         1.57226562e-01, -5.82885742e-03, -2.27539062e-01, -3.19824219e-02,
        -4.22363281e-02,  1.89453125e-01, -9.03320312e-02,  1.19140625e-01,
        -3.43750000e-01,  1.67968750e-01, -6.44531250e-02,  2.39257812e-01,
        -1.60156250e-01,  3.58886719e-02, -4.88281250e-03, -1.75781250e-01,
         4.37011719e-02, -6.34765625e-02, -1.15234375e-01,  4.12597656e-02,
         2.50000000e-01,  3.86047363e-03,  6.80541992e-03,  6.44531250e-02,
        -1.31835938e-01,  1.20544434e-03, -1.45507812e-01, -1.51367188e-01,
        -1.11328125e-01,  1.55273438e-01,  2.06298828e-02, -9.03320312e-02,
        -2.20703125e-01,  4.83398438e-02,  1.29882812e-01, -8.05664062e-02,
         9.61914062e-02, -2.47070312e-01,  3.80859375e-02, -2.10937500e-01,
        -1.23535156e-01,  6.83593750e-02,  4.63867188e-02, -2.44140625e-02,
        -1.13769531e-01, -7.12890625e-02,  1.99218750e-01, -2.49023438e-02,
        -1.37695312e-01, -7.37304688e-02,  3.00781250e-01, -7.95898438e-02,
         5.45501709e-04, -2.75390625e-01,  1.58203125e-01,  2.83203125e-01,
         3.95507812e-02, -2.51464844e-02,  1.57470703e-02, -6.00585938e-02,
         3.32031250e-02,  2.59765625e-01, -2.67578125e-01,  1.65039062e-01,
         2.65625000e-01, -5.85937500e-02, -2.14843750e-01, -2.23632812e-01,
         3.00292969e-02, -2.09960938e-02,  1.65039062e-01, -6.34765625e-02,
         1.13769531e-01, -1.36718750e-01, -1.70898438e-01, -1.73828125e-01,
         3.41796875e-01,  2.22656250e-01,  1.60156250e-01, -5.98144531e-02,
         8.59375000e-02,  7.03125000e-02, -2.14843750e-01, -3.44238281e-02,
         1.02539062e-02, -1.73828125e-01,  2.61718750e-01,  3.39843750e-01,
         2.87109375e-01, -1.68945312e-01,  1.74804688e-01, -1.61132812e-01,
         1.22070312e-01, -1.48925781e-02,  1.21093750e-01, -7.76367188e-02,
         7.14111328e-03,  2.15820312e-01,  1.62109375e-01, -3.96484375e-01,
         4.66308594e-02, -1.47705078e-02, -2.78320312e-02,  3.95507812e-02,
         2.37304688e-01, -9.57031250e-02, -7.71484375e-02,  2.47802734e-02,
         1.30859375e-01,  1.79687500e-01, -5.71289062e-02,  1.61132812e-01,
        -7.56835938e-02, -8.44726562e-02, -1.56250000e-01, -6.83593750e-02,
         1.84570312e-01, -3.28125000e-01, -5.32226562e-02,  6.50024414e-03,
         1.99218750e-01, -1.66015625e-01, -3.16406250e-01, -2.18750000e-01,
        -7.86132812e-02,  3.26171875e-01, -1.09375000e-01, -1.13769531e-01,
        -2.01171875e-01, -2.03125000e-01,  8.20312500e-02,  1.34765625e-01,
         1.44531250e-01, -3.63769531e-02,  2.04101562e-01, -3.36914062e-02,
         1.31835938e-01, -9.27734375e-02, -1.45507812e-01, -7.32421875e-02,
         5.56640625e-02,  7.56835938e-02,  2.73437500e-01,  2.28515625e-01,
        -4.07714844e-02,  9.66796875e-02, -6.34765625e-02,  1.71875000e-01,
         6.73828125e-02,  1.15234375e-01, -3.41796875e-01, -3.49609375e-01,
        -4.12597656e-02, -9.17968750e-02, -2.23632812e-01,  2.40478516e-02,
         1.95312500e-01, -1.18164062e-01,  1.09375000e-01, -1.57226562e-0
1],
       dtype=float32),
 'enabling': array([-2.04101562e-01,  9.13085938e-02, -5.40161133e-03, -1.6
0156250e-01,
        -1.21582031e-01, -9.52148438e-02,  1.30859375e-01,  6.39648438e-02,
         2.36328125e-01, -4.12597656e-02,  1.04522705e-03, -1.08886719e-01,
        -4.27246094e-02,  1.22558594e-01, -7.51953125e-02, -1.60156250e-01,
        -1.08398438e-01,  1.98242188e-01, -1.74560547e-02, -7.01904297e-03,
         2.41699219e-02, -2.23632812e-01, -1.21093750e-01,  1.17187500e-01,
         2.13623047e-02, -1.16210938e-01, -1.66992188e-01,  2.08007812e-01,
```

```
 3.23486328e-03, -2.05078125e-02,  2.20703125e-01, -9.17968750e-02,
 4.85839844e-02, -1.27929688e-01, -1.17187500e-01,  8.83789062e-02,
-5.71289062e-02, -2.34375000e-01,  1.23535156e-01, -3.57055664e-03,
-1.48437500e-01,  2.40478516e-02,  1.75781250e-01,  9.13085938e-02,
-2.42919922e-02, -3.08593750e-01, -3.44238281e-02,  6.78710938e-02,
 1.25976562e-01, -1.11328125e-01, -6.25000000e-02,  9.03320312e-03,
-6.10351562e-02, -8.05664062e-02, -4.15039062e-02,  2.44140625e-01,
-1.79443359e-02, -6.83593750e-02,  1.45507812e-01,  7.81250000e-02,
-1.01928711e-02,  1.51977539e-02, -2.38281250e-01, -2.38281250e-01,
-1.61132812e-01,  1.95312500e-01, -1.84570312e-01,  2.79296875e-01,
 5.32226562e-02, -1.33789062e-01, -1.12304688e-01,  1.10839844e-01,
 1.14746094e-01, -8.48388672e-03,  1.28906250e-01, -3.80859375e-01,
 4.29687500e-01,  1.98242188e-01,  2.13867188e-01, -1.34765625e-01,
-1.98242188e-01,  2.53906250e-01, -6.59179688e-02,  2.49023438e-02,
 7.51953125e-02, -8.98437500e-02, -2.05078125e-01, -1.76757812e-01,
-1.62109375e-01,  1.88476562e-01, -8.74023438e-02, -1.23535156e-01,
-1.89453125e-01, -2.50000000e-01, -8.44726562e-02, -1.21093750e-01,
-1.95312500e-01,  8.00781250e-02,  1.47460938e-01,  1.53808594e-02,
 5.61523438e-02, -1.94335938e-01,  9.82666016e-03, -6.88476562e-02,
-3.49609375e-01,  1.89453125e-01, -7.03125000e-02,  4.88281250e-02,
 3.96728516e-03,  7.42187500e-02, -2.12890625e-01, -2.89916992e-03,
-1.85546875e-01, -3.95507812e-02,  2.04101562e-01,  2.63671875e-01,
-4.78515625e-02,  7.56835938e-02,  1.49414062e-01,  3.17382812e-02,
-9.42382812e-02,  1.85546875e-01,  1.14257812e-01,  4.73632812e-02,
 1.07421875e-01, -1.42578125e-01, -2.81250000e-01, -4.37011719e-02,
-1.44531250e-01,  2.12890625e-01,  1.54296875e-01,  2.85156250e-01,
 5.12695312e-02,  1.07910156e-01,  3.58886719e-02, -2.16796875e-01,
 1.18652344e-01, -7.51953125e-02,  1.86767578e-02, -5.27343750e-02,
 9.76562500e-02, -1.37695312e-01, -1.64062500e-01, -7.35473633e-03,
 1.63085938e-01, -3.14941406e-02, -4.78515625e-02, -2.69531250e-01,
 2.55126953e-02, -1.43554688e-01,  3.63769531e-02,  3.78417969e-02,
-1.34765625e-01, -1.71875000e-01,  1.67968750e-01, -5.63964844e-02,
 7.08007812e-02,  4.00390625e-01, -2.50000000e-01, -2.98828125e-01,
 6.44531250e-02, -4.19921875e-02, -3.17382812e-02,  9.37500000e-02,
-1.23046875e-01,  1.92871094e-02, -1.48437500e-01, -2.44140625e-03,
-2.14843750e-01, -2.53906250e-01, -2.31445312e-01,  6.12792969e-02,
-4.94384766e-03, -7.95898438e-02, -2.71606445e-03, -4.05273438e-02,
-3.83300781e-02, -3.32031250e-01, -2.53906250e-01,  1.21093750e-01,
-2.61718750e-01, -1.25000000e-01,  1.33789062e-01, -1.47460938e-01,
-1.55273438e-01, -8.25195312e-02, -3.00781250e-01, -3.71093750e-02,
 2.49023438e-01, -1.87500000e-01, -3.63769531e-02,  2.91748047e-02,
 1.47460938e-01, -5.93261719e-02, -4.15039062e-02, -1.31225586e-02,
 4.17480469e-02, -3.54003906e-02,  1.37695312e-01, -2.08007812e-01,
 1.43554688e-01,  1.45507812e-01,  3.41796875e-02, -1.42578125e-01,
 8.05664062e-02, -8.00781250e-02,  4.57763672e-03,  7.27539062e-02,
 2.03857422e-02, -3.08593750e-01, -6.25000000e-02,  1.86523438e-01,
 8.78906250e-02,  2.77343750e-01,  1.32812500e-01, -1.00585938e-01,
 1.14746094e-01,  2.02148438e-01, -1.51367188e-01,  1.08398438e-01,
 3.19824219e-02, -2.60009766e-02, -2.35595703e-02, -6.98242188e-02,
-3.39843750e-01,  3.78417969e-02, -3.76892090e-03, -1.46484375e-01,
 8.20312500e-02, -2.00195312e-01,  5.41992188e-02, -5.39550781e-02,
 1.51367188e-01,  2.99072266e-02,  6.98242188e-02, -7.76367188e-02,
-1.44531250e-01,  1.54296875e-01,  9.39941406e-03,  1.54296875e-01,
-1.33789062e-01,  4.90722656e-02,  8.15429688e-02, -1.87500000e-01,
 6.39648438e-02, -3.34472656e-02, -8.30078125e-02,  3.78906250e-01,
 2.61718750e-01, -1.83593750e-01,  2.19726562e-01, -6.12792969e-02,
-5.31005859e-03,  1.87500000e-01, -4.85839844e-02, -3.80859375e-02,
 1.05957031e-01, -1.86767578e-02, -1.47460938e-01, -1.25000000e-01,
-1.11694336e-02,  3.03955078e-02,  1.59912109e-02,  5.59082031e-02,
-3.39355469e-02, -1.48437500e-01,  2.12890625e-01,  8.20159912e-04,
-1.65039062e-01,  2.09808350e-04,  1.59179688e-01,  8.05664062e-02,
-3.28125000e-01, -7.22656250e-02,  1.15234375e-01,  7.20214844e-03,
-4.93164062e-02,  2.98828125e-01, -6.39648438e-02,  1.40625000e-01,
-1.46484375e-01,  1.85546875e-02, -2.89306641e-02,  2.92968750e-01,
```

```
        -8.05664062e-02,  1.88476562e-01,  1.18652344e-01, -4.88281250e-02,
         2.25585938e-01, -3.12500000e-02, -3.61328125e-01,  2.41210938e-01,
        -1.83593750e-01,  3.43322754e-03, -7.91015625e-02,  2.47070312e-01,
        -4.80957031e-02, -4.68750000e-02, -2.78320312e-02,  2.50000000e-0
1],
       dtype=float32),
 'decision': array([-0.04760742,  0.08691406, -0.00689697, -0.01202393, -0.
01104736,
        -0.09277344, -0.01531982, -0.26757812,  0.45117188,  0.01049805,
         0.01855469, -0.04248047,  0.06933594, -0.25      , -0.19238281,
         0.12255859,  0.140625  , -0.02905273, -0.11474609, -0.03442383,
        -0.12158203,  0.25      ,  0.13378906,  0.15527344,  0.12597656,
        -0.02661133, -0.06494141,  0.046875  , -0.24609375,  0.13183594,
         0.27929688, -0.01599121,  0.03393555, -0.01599121,  0.09082031,
         0.13378906, -0.01879883,  0.27148438, -0.04980469, -0.06152344,
         0.10986328, -0.09472656,  0.0625    , -0.20117188, -0.21386719,
        -0.07910156,  0.03149414, -0.125     , -0.31054688,  0.0402832 ,
         0.00921631,  0.13964844,  0.01263428,  0.20019531, -0.07226562,
        -0.01623535, -0.09423828,  0.03540039, -0.04760742,  0.01757812,
         0.00358582,  0.04150391,  0.03149414,  0.09130859, -0.19628906,
        -0.13378906, -0.03979492,  0.12988281,  0.02270508,  0.03466797,
        -0.21191406, -0.19824219, -0.20410156,  0.03808594,  0.10693359,
        -0.03320312,  0.24609375,  0.08056641, -0.03759766,  0.29296875,
         0.30273438, -0.10400391,  0.22851562,  0.02307129,  0.21191406,
        -0.36132812, -0.19433594,  0.15625   ,  0.20605469, -0.00939941,
         0.1328125 ,  0.01000977,  0.140625  , -0.04980469, -0.10107422,
        -0.14160156, -0.16015625, -0.09375   ,  0.00970459, -0.28710938,
         0.10839844,  0.25      ,  0.15625   ,  0.13378906,  0.0546875 ,
         0.19335938,  0.09228516, -0.16894531,  0.140625  , -0.23242188,
         0.08105469, -0.18554688,  0.02368164, -0.03466797,  0.15429688,
        -0.1640625 ,  0.13085938,  0.27734375,  0.23535156, -0.01135254,
        -0.13378906,  0.1875    , -0.11376953,  0.15527344, -0.07226562,
        -0.12695312, -0.13378906, -0.25390625, -0.10107422, -0.02441406,
        -0.13378906,  0.18164062, -0.09423828, -0.11621094,  0.07128906,
        -0.07324219, -0.10693359,  0.06079102, -0.03491211,  0.03173828,
         0.2578125 , -0.01550293,  0.00823975, -0.296875  ,  0.06201172,
         0.21972656, -0.02722168, -0.00775146,  0.07958984,  0.25      ,
        -0.01239014, -0.06738281, -0.04858398, -0.10693359,  0.01245117,
         0.1015625 ,  0.10839844,  0.08203125, -0.29296875, -0.15527344,
        -0.17578125, -0.19628906,  0.3125    ,  0.10498047, -0.26367188,
        -0.19140625,  0.16796875,  0.05419922,  0.25390625, -0.27929688,
         0.06542969, -0.03063965,  0.04077148, -0.11083984, -0.13085938,
        -0.18847656,  0.41601562,  0.08056641,  0.18945312,  0.06396484,
        -0.10742188, -0.07763672, -0.00891113, -0.20703125,  0.24804688,
        -0.01019287,  0.09716797,  0.1875    ,  0.18847656,  0.07666016,
        -0.22167969, -0.09814453,  0.12109375,  0.00946045, -0.14648438,
        -0.33984375,  0.19726562,  0.22851562,  0.15039062,  0.06640625,
        -0.00198364,  0.03344727,  0.05419922,  0.05981445,  0.10595703,
        -0.02844238,  0.24804688, -0.02075195,  0.18164062, -0.02062988,
        -0.08007812,  0.1640625 ,  0.14453125,  0.12597656, -0.18652344,
         0.08007812, -0.06640625,  0.00643921, -0.12402344,  0.16894531,
        -0.0111084 , -0.02807617, -0.1484375 ,  0.09375   , -0.02770996,
        -0.29492188,  0.15527344,  0.02880859,  0.01269531,  0.28710938,
         0.08251953,  0.13964844, -0.0291748 , -0.20117188,  0.22949219,
        -0.01831055, -0.08496094, -0.02783203,  0.07666016,  0.00549316,
        -0.05029297, -0.30273438, -0.10986328, -0.32421875, -0.4453125 ,
         0.16601562, -0.01745605,  0.14648438,  0.21386719,  0.01141357,
         0.02038574, -0.09716797, -0.06933594, -0.17285156,  0.26367188,
        -0.06298828,  0.17382812,  0.22265625,  0.078125  ,  0.12451172,
         0.14550781,  0.04052734, -0.20898438,  0.22363281,  0.06201172,
         0.12988281,  0.26757812, -0.02832031, -0.22363281,  0.01397705,
         0.22167969,  0.11621094,  0.17675781, -0.0234375 ,  0.00640869,
        -0.04418945,  0.10791016,  0.07910156, -0.07080078,  0.1640625 ,
         0.06835938, -0.06225586,  0.07910156,  0.06298828,  0.03344727,
```

```
         0.04052734,  0.0098877 ,  0.30859375,  0.08544922,  0.0189209 ,
        -0.19335938,  0.18945312,  0.05712891, -0.20996094, -0.09667969,
         0.05908203,  0.21582031, -0.06738281, -0.22558594,  0.16015625],
       dtype=float32),
 'posting': array([-0.09960938,  0.2265625 , -0.11230469,  0.16699219,  0.1
0400391,
         0.01165771, -0.3828125 ,  0.04443359,  0.31835938,  0.20019531,
        -0.10058594, -0.27539062,  0.09912109,  0.00543213, -0.18652344,
        -0.13476562,  0.08837891, -0.28515625, -0.25976562, -0.0378418 ,
         0.21582031,  0.10595703, -0.05834961, -0.20800781, -0.09716797,
        -0.15625   , -0.00234985,  0.23339844, -0.02880859, -0.01434326,
        -0.13671875, -0.20605469, -0.08496094, -0.25      , -0.22949219,
         0.07128906, -0.08251953, -0.0246582 ,  0.29296875,  0.25585938,
         0.18359375,  0.02001953,  0.29492188,  0.25195312,  0.10644531,
        -0.08300781,  0.15527344,  0.08349609,  0.03198242, -0.07080078,
        -0.00396729,  0.08789062, -0.15917969,  0.3203125 ,  0.16699219,
         0.12988281,  0.1484375 ,  0.06201172,  0.16113281, -0.08935547,
        -0.03540039,  0.13867188, -0.11523438, -0.296875  , -0.16699219,
         0.26757812, -0.20996094, -0.2265625 ,  0.13085938,  0.19824219,
        -0.13574219,  0.29296875, -0.02514648, -0.27929688,  0.13671875,
         0.0402832 ,  0.21582031, -0.18066406,  0.17382812,  0.05834961,
        -0.02038574, -0.17480469,  0.04638672,  0.28515625,  0.40820312,
        -0.13964844, -0.2265625 ,  0.07666016, -0.19238281, -0.09814453,
         0.15625   , -0.15917969,  0.06054688, -0.28320312, -0.08984375,
        -0.19824219,  0.06689453,  0.04760742,  0.16601562,  0.23828125,
         0.05810547, -0.07519531,  0.24707031, -0.06396484,  0.0625    ,
        -0.22949219, -0.12597656,  0.03417969, -0.21289062,  0.01989746,
         0.01507568, -0.125     , -0.19824219, -0.11474609, -0.03686523,
        -0.33007812,  0.01708984, -0.04199219,  0.17675781,  0.05224609,
         0.046875  ,  0.07421875, -0.23535156, -0.02734375,  0.08300781,
         0.15234375,  0.08935547, -0.13085938, -0.06884766, -0.00643921,
        -0.05786133, -0.13574219, -0.16210938,  0.08886719, -0.03515625,
        -0.23828125, -0.16308594, -0.0703125 , -0.18066406, -0.06103516,
         0.00811768,  0.02001953, -0.2578125 , -0.21386719, -0.09912109,
         0.09179688, -0.08496094, -0.22363281, -0.09375   ,  0.05761719,
         0.04589844,  0.12207031, -0.06542969, -0.22167969,  0.01831055,
         0.07177734,  0.01599121,  0.08105469,  0.19726562,  0.109375  ,
         0.05224609,  0.375     ,  0.16015625,  0.30273438, -0.08105469,
        -0.21777344,  0.08398438, -0.24414062, -0.07373047,  0.12353516,
         0.05078125,  0.02880859,  0.00952148,  0.01049805, -0.18652344,
        -0.17285156,  0.05053711,  0.14746094, -0.08300781, -0.01745605,
         0.12988281, -0.22167969,  0.03808594,  0.07666016,  0.15429688,
        -0.17675781, -0.41015625, -0.28515625,  0.02905273, -0.13964844,
         0.2890625 ,  0.02502441, -0.10400391,  0.14550781, -0.46289062,
         0.09765625,  0.13964844, -0.04248047,  0.00180817, -0.265625  ,
         0.01031494,  0.25976562,  0.21972656, -0.00692749, -0.10205078,
         0.07324219, -0.13085938, -0.18652344, -0.39257812,  0.05786133,
        -0.05395508,  0.07861328, -0.04956055, -0.00515747, -0.296875  ,
         0.25390625, -0.12011719,  0.09912109, -0.27929688, -0.31054688,
         0.27929688,  0.26953125, -0.10595703, -0.08691406, -0.17773438,
        -0.25390625, -0.06005859, -0.18359375, -0.08837891, -0.19042969,
         0.16210938,  0.03979492, -0.0111084 ,  0.20605469,  0.09814453,
        -0.05908203,  0.40625   , -0.19726562,  0.14160156,  0.06787109,
         0.06298828,  0.125     , -0.21777344, -0.43945312,  0.15039062,
        -0.09228516, -0.18554688,  0.34960938, -0.10546875,  0.13476562,
        -0.05224609, -0.01019287, -0.17382812,  0.21777344,  0.07763672,
         0.08349609,  0.32617188,  0.40039062,  0.11816406, -0.08349609,
         0.13085938,  0.14257812,  0.30273438,  0.14746094,  0.09326172,
        -0.14648438,  0.12988281, -0.0177002 , -0.00242615, -0.01733398,
         0.16992188, -0.16015625,  0.14453125,  0.0100708 ,  0.01196289,
         0.07226562, -0.32226562, -0.11572266,  0.05517578,  0.22460938,
         0.06933594, -0.18847656, -0.1640625 ,  0.36523438,  0.05175781,
        -0.01312256, -0.05078125,  0.16308594,  0.08251953,  0.02209473,
         0.05981445, -0.02563477,  0.09472656, -0.02075195, -0.07617188,
```

```
        -0.19238281,  0.14746094, -0.21679688, -0.13085938, -0.13476562],
       dtype=float32),
 'reflect': array([-3.47656250e-01,  1.26953125e-01,  5.61523438e-02, -1.58
691406e-02,
         3.07617188e-02, -1.83593750e-01,  2.73437500e-01, -6.59179688e-02,
         2.57812500e-01,  6.49414062e-02, -3.49609375e-01, -1.24511719e-01,
         4.51660156e-02,  4.08203125e-01,  2.05993652e-03, -8.60595703e-03,
        -2.12402344e-02,  1.38671875e-01,  1.19628906e-01, -2.92968750e-01,
        -2.20703125e-01, -4.80957031e-02, -9.71679688e-02,  4.44335938e-02,
        -5.46875000e-02,  1.94091797e-02,  8.83789062e-02,  1.55273438e-01,
         2.35351562e-01, -1.09375000e-01, -5.54199219e-02, -1.36718750e-01,
        -1.35742188e-01,  4.19921875e-01,  1.17675781e-01, -8.39843750e-02,
         2.95410156e-02,  8.05664062e-02,  8.88671875e-02,  1.59179688e-01,
         1.69921875e-01,  2.53906250e-01,  1.34765625e-01,  1.51977539e-02,
         3.28125000e-01, -3.14453125e-01, -1.12792969e-01,  8.39843750e-02,
        -2.39257812e-02,  2.83203125e-02,  1.45874023e-02, -1.57470703e-02,
        -8.59375000e-02, -2.61230469e-02, -2.85156250e-01,  2.63671875e-01,
        -1.85546875e-01,  7.76367188e-02,  8.93554688e-02, -1.87988281e-02,
        -7.32421875e-02,  4.88281250e-03, -1.36718750e-01, -1.23046875e-01,
         3.78906250e-01,  1.84570312e-01, -2.00195312e-01,  1.50390625e-01,
        -7.95898438e-02, -7.61718750e-02, -4.10156250e-02, -6.44531250e-02,
         1.02050781e-01,  1.08886719e-01, -1.05957031e-01,  5.63964844e-02,
         3.75000000e-01,  3.14453125e-01, -8.30078125e-02, -3.02734375e-02,
        -1.75781250e-02, -1.95312500e-01, -5.12695312e-02,  9.47265625e-02,
         3.00292969e-02, -1.93023682e-03, -3.80859375e-01, -1.03759766e-02,
        -1.85546875e-01,  1.81640625e-01,  2.89062500e-01, -2.40478516e-02,
         7.23266602e-03, -3.32031250e-02,  7.17773438e-02, -1.43554688e-01,
        -1.17675781e-01, -2.00195312e-02, -5.52368164e-03, -1.81640625e-01,
         1.59179688e-01, -1.22070312e-01,  2.49023438e-01,  1.11816406e-01,
        -2.47070312e-01, -2.53906250e-01, -6.12792969e-02, -1.66015625e-02,
        -2.75878906e-02,  7.76367188e-02, -2.91015625e-01, -1.84570312e-01,
        -8.25195312e-02,  8.54492188e-03,  1.93359375e-01,  4.76074219e-02,
        -1.12304688e-01, -1.26953125e-01, -3.27148438e-02,  1.76757812e-01,
        -1.15234375e-01, -6.68945312e-02,  1.44653320e-02,  1.22558594e-01,
         9.49859619e-04,  3.97949219e-02, -1.88476562e-01, -1.08398438e-01,
        -4.76074219e-02,  5.66406250e-02,  1.13769531e-01, -3.82812500e-01,
        -1.11328125e-01,  3.47900391e-03,  2.69531250e-01,  1.58203125e-01,
        -5.88989258e-03,  1.92382812e-01,  2.42919922e-02, -1.44531250e-01,
        -2.14843750e-01, -3.06396484e-02, -1.99218750e-01,  1.11328125e-01,
        -7.51953125e-02,  1.29882812e-01,  1.15234375e-01,  2.85644531e-02,
        -1.58203125e-01,  3.02734375e-01,  3.41796875e-02, -1.33789062e-01,
         9.08203125e-02, -4.58984375e-02,  4.90722656e-02, -5.20019531e-02,
        -5.46875000e-02, -6.78710938e-02, -2.65625000e-01,  5.02929688e-02,
         1.89453125e-01,  1.31835938e-02, -4.12597656e-02,  3.78417969e-03,
         1.34765625e-01,  7.08007812e-02,  2.10937500e-01,  1.27929688e-01,
         1.00585938e-01,  8.00781250e-02, -1.44531250e-01, -2.17773438e-01,
         8.69140625e-02, -1.00097656e-01, -6.64062500e-02,  1.48437500e-01,
         1.87500000e-01,  4.41894531e-02,  2.77343750e-01, -3.24218750e-01,
        -2.32421875e-01,  7.91015625e-02,  1.52343750e-01,  1.60156250e-01,
        -2.63671875e-01, -6.44531250e-02, -2.91748047e-02,  5.73730469e-02,
        -3.68652344e-02,  1.03515625e-01, -6.49414062e-02, -1.23535156e-01,
         3.95507812e-02, -1.24023438e-01, -2.59765625e-01,  1.99218750e-01,
         6.39648438e-02,  1.13769531e-01,  1.20117188e-01,  8.11767578e-03,
        -1.94091797e-02, -2.28515625e-01,  2.75878906e-02, -4.24804688e-02,
        -2.30468750e-01,  4.76074219e-02, -7.08007812e-02,  3.12500000e-02,
        -2.17773438e-01, -1.12792969e-01, -2.21679688e-01,  1.13677979e-03,
        -6.22558594e-02,  1.02539062e-01, -2.06054688e-01, -1.26953125e-01,
         1.80664062e-01, -4.41894531e-02,  4.98046875e-02, -2.65625000e-01,
         1.15356445e-02,  1.63085938e-01, -1.78710938e-01, -1.58203125e-01,
         1.29882812e-01, -8.10546875e-02, -1.71875000e-01, -4.32128906e-02,
        -2.66113281e-02,  2.12890625e-01,  9.22851562e-02,  4.19921875e-02,
         1.97265625e-01,  1.71875000e-01,  3.06640625e-01,  6.59179688e-02,
         1.17675781e-01, -2.02148438e-01,  1.54296875e-01,  2.65625000e-01,
        -6.25000000e-02, -1.92382812e-01,  1.18652344e-01,  9.96093750e-02,
```

```
        -1.75781250e-01, -5.44433594e-02, -4.17968750e-01,  1.86523438e-01,
        -3.45703125e-01, -1.01074219e-01,  2.86865234e-02,  4.51171875e-01,
        -2.49023438e-01, -1.24511719e-01, -4.78515625e-02,  6.59179688e-02,
        -1.90429688e-01,  3.06640625e-01,  1.60156250e-01, -6.25000000e-02,
        -1.83593750e-01,  2.60009766e-02,  7.27539062e-02,  1.86523438e-01,
         1.41601562e-01,  1.42578125e-01,  3.88183594e-02, -8.98437500e-02,
        -5.88378906e-02, -1.43554688e-01, -2.12402344e-02,  2.51953125e-01,
         2.05078125e-01, -1.30859375e-01, -1.22558594e-01, -8.78906250e-02,
        -1.72851562e-01, -1.43554688e-01, -1.04980469e-01, -1.33666992e-02,
        -2.97851562e-02, -1.81640625e-01,  3.45230103e-04,  3.93676758e-03,
         1.25976562e-01,  6.95800781e-03,  9.03320312e-03,  1.04492188e-01,
        -4.37011719e-02,  3.85742188e-02, -7.50732422e-03,  1.46484375e-01,
         1.59912109e-02,  2.10937500e-01,  1.94091797e-02, -1.23535156e-01,
         1.17187500e-01,  5.61523438e-02,  2.08984375e-01, -2.10937500e-0
1],
       dtype=float32),
 'salary': array([ 3.98437500e-01, -5.61523438e-02, -1.68945312e-01,  1.835
93750e-01,
         3.20312500e-01, -3.51562500e-02,  4.76562500e-01, -4.82421875e-01,
         8.05664062e-02,  1.99218750e-01,  1.50756836e-02, -6.04248047e-03,
         6.98242188e-02,  3.06640625e-01, -1.28906250e-01,  5.42968750e-01,
         3.83300781e-02,  4.83398438e-02,  1.27929688e-01,  3.66210938e-02,
        -1.60156250e-01, -8.88671875e-02,  2.25830078e-02, -1.16210938e-01,
        -1.53541565e-04, -1.56250000e-01, -3.35937500e-01,  2.45117188e-01,
        -4.55078125e-01,  3.63281250e-01, -3.46679688e-02, -1.23535156e-01,
         1.52343750e-01, -3.43750000e-01,  7.42187500e-02, -4.58984375e-01,
         2.61718750e-01,  5.00000000e-01, -3.22265625e-01,  6.46972656e-03,
         1.17187500e-01, -4.23828125e-01,  1.55273438e-01, -4.94140625e-01,
        -6.36718750e-01, -2.08007812e-01,  2.75390625e-01, -1.03515625e-01,
        -2.55859375e-01,  3.58886719e-02,  6.20117188e-02, -6.09375000e-01,
         2.81982422e-02, -1.47460938e-01,  3.17382812e-02, -9.76562500e-02,
         5.76171875e-02,  1.97265625e-01, -1.27929688e-01,  1.79687500e-01,
        -7.86132812e-02,  1.99218750e-01, -1.21093750e-01,  1.26953125e-01,
         3.84765625e-01, -7.93457031e-03, -1.66992188e-01,  2.50000000e-01,
         2.25585938e-01, -4.80957031e-02, -1.64062500e-01, -2.29492188e-01,
         8.00781250e-02, -1.23046875e-01, -1.57226562e-01,  5.71289062e-02,
         1.99218750e-01, -5.90820312e-02, -1.33789062e-01, -3.35937500e-01,
         1.49414062e-01,  2.85156250e-01, -1.50390625e-01,  5.50781250e-01,
         5.44433594e-02, -1.76757812e-01, -2.71484375e-01,  7.37304688e-02,
        -9.96093750e-02, -8.34960938e-02,  2.25585938e-01, -1.29882812e-01,
        -3.24218750e-01, -4.60937500e-01,  2.00195312e-01, -3.45703125e-01,
         1.60156250e-01,  5.90820312e-02,  2.24609375e-01, -2.14843750e-01,
        -1.95312500e-01, -1.27929688e-01, -1.66992188e-01,  1.53320312e-01,
         1.31835938e-01, -2.53906250e-01,  1.28906250e-01,  1.02050781e-01,
        -1.38671875e-01, -4.15039062e-02,  3.51562500e-01, -3.35937500e-01,
         1.61132812e-01, -8.69140625e-02,  1.88446045e-03, -1.48437500e-01,
         3.04687500e-01, -4.19921875e-01,  3.20312500e-01, -6.98242188e-02,
         6.68945312e-02,  2.09960938e-01, -1.07421875e-01,  2.10937500e-01,
         3.86718750e-01, -2.31445312e-01, -8.93554688e-02, -3.67187500e-01,
        -2.46093750e-01, -2.15820312e-01, -2.67578125e-01, -2.51953125e-01,
        -4.00390625e-01, -1.99218750e-01, -2.89062500e-01,  1.13769531e-01,
        -4.90234375e-01,  3.18359375e-01,  1.37695312e-01,  2.59765625e-01,
        -1.27929688e-01,  1.17187500e-01,  1.26953125e-01, -8.74023438e-02,
        -2.37304688e-01,  3.17382812e-02,  1.96533203e-02,  2.53906250e-01,
         2.37304688e-01,  1.50390625e-01, -7.01904297e-03,  5.88378906e-02,
        -4.84375000e-01,  1.93359375e-01,  4.31640625e-01, -1.97753906e-02,
        -1.24511719e-02, -1.98242188e-01,  1.64062500e-01, -2.87109375e-01,
        -6.00585938e-02, -6.34765625e-02,  6.59179688e-02,  6.64062500e-02,
        -2.83203125e-01, -2.69531250e-01, -9.96093750e-02, -2.73437500e-01,
        -3.10546875e-01,  5.62500000e-01,  1.42578125e-01, -1.39648438e-01,
         6.49414062e-02,  4.37011719e-02,  4.90722656e-02,  5.15136719e-02,
        -5.29785156e-02, -1.55273438e-01,  4.61425781e-02, -2.19726562e-02,
        -1.20117188e-01, -8.30078125e-02,  3.56445312e-02,  2.79296875e-01,
        -1.06445312e-01,  1.17675781e-01,  1.80664062e-01,  2.01171875e-01,
```

```
         2.28515625e-01,  1.53350830e-03, -1.91406250e-01, -4.83398438e-02,
         3.00292969e-02,  1.07910156e-01, -1.41601562e-01,  2.05078125e-01,
         9.08203125e-02, -8.83789062e-02, -1.70898438e-01, -1.11694336e-02,
        -3.10546875e-01, -3.78417969e-02,  2.31933594e-02, -4.54711914e-03,
         6.22558594e-02, -1.89453125e-01, -2.31445312e-01, -3.22265625e-01,
         1.39648438e-01,  1.39648438e-01,  1.54296875e-01,  9.08203125e-02,
         5.34667969e-02,  4.54101562e-02,  9.22851562e-02,  4.90234375e-01,
        -9.42382812e-02,  4.04296875e-01, -1.79687500e-01, -2.69775391e-02,
         4.35546875e-01, -3.51562500e-02,  1.86523438e-01,  9.09423828e-03,
         2.83203125e-01,  1.12304688e-02,  2.88391113e-03,  2.12890625e-01,
        -5.15136719e-02,  1.92382812e-01,  4.00390625e-01, -1.78710938e-01,
         2.11914062e-01,  1.02539062e-01,  4.68750000e-02,  1.48437500e-01,
         1.42578125e-01, -1.95312500e-01, -2.00195312e-01,  8.34960938e-02,
        -2.61718750e-01,  1.66992188e-01,  1.43554688e-01, -3.76953125e-01,
        -1.40625000e-01, -5.31005859e-03, -5.15136719e-02, -2.87109375e-01,
         6.17675781e-02, -1.58203125e-01, -6.98242188e-02,  1.19140625e-01,
        -2.39257812e-01,  2.98828125e-01, -1.78710938e-01,  1.12792969e-01,
         3.24707031e-02,  2.81250000e-01, -4.29687500e-02,  3.02734375e-01,
         4.31640625e-01,  2.79296875e-01, -2.03125000e-01,  3.53515625e-01,
         1.19628906e-01,  7.12890625e-02, -1.32812500e-01, -1.17675781e-01,
        -9.17968750e-02, -1.31835938e-01,  2.16796875e-01, -2.27050781e-02,
         3.66210938e-02, -3.26171875e-01, -1.62109375e-01,  3.65234375e-01,
         3.22265625e-02, -4.66308594e-02, -6.68945312e-02,  1.63085938e-01,
        -1.78222656e-02,  1.44042969e-02, -2.63671875e-01,  4.04296875e-01,
         6.68945312e-02,  2.51953125e-01, -1.47094727e-02, -6.88476562e-02,
         1.30859375e-01,  7.66601562e-02, -3.39843750e-01, -1.01928711e-02,
        -3.96484375e-01, -1.56250000e-01, -3.90625000e-02, -2.53295898e-03,
         3.12500000e-02, -3.11279297e-02, -2.18750000e-01, -4.33593750e-0
1],
       dtype=float32),
 'equity': array([ 4.91333008e-03, -6.54296875e-02,  1.05957031e-01, -1.220
70312e-01,
        -1.75781250e-02, -1.66992188e-01,  2.51953125e-01, -1.11328125e-01,
         3.90625000e-01,  4.97436523e-03, -1.36718750e-01,  1.64062500e-01,
         1.08398438e-01,  4.37500000e-01, -3.53515625e-01,  1.50390625e-01,
        -9.76562500e-03, -1.68457031e-02,  7.86132812e-02,  1.18652344e-01,
        -1.15722656e-01,  3.14941406e-02,  1.48437500e-01, -3.88671875e-01,
         1.74804688e-01, -7.81250000e-03, -3.22265625e-01,  1.01562500e-01,
         7.03125000e-02,  2.06054688e-01,  1.70898438e-01, -6.93359375e-02,
         2.32421875e-01, -6.44531250e-02, -2.53906250e-02,  3.07617188e-02,
         3.63281250e-01, -3.65234375e-01,  9.52148438e-02, -4.63867188e-02,
         6.59179688e-02, -7.76367188e-02,  1.56250000e-01, -6.83593750e-03,
        -4.33593750e-01,  1.42822266e-02,  7.37304688e-02,  1.94335938e-01,
         1.37695312e-01, -1.91650391e-02,  3.84765625e-01,  9.76562500e-02,
        -2.57812500e-01,  1.27929688e-01,  3.93676758e-03, -3.46679688e-02,
        -6.49414062e-02,  2.23632812e-01,  8.17871094e-03, -2.40234375e-01,
         5.34667969e-02, -6.29882812e-02,  4.39453125e-02,  2.15820312e-01,
        -1.27929688e-01, -3.78906250e-01,  2.39257812e-02,  8.93554688e-02,
         1.64062500e-01,  6.93359375e-02,  1.45507812e-01, -2.61718750e-01,
         3.98437500e-01,  1.85546875e-02, -8.54492188e-02,  2.53906250e-02,
         1.50756836e-02,  4.61425781e-02, -1.42578125e-01,  4.02832031e-02,
        -1.83593750e-01, -1.07910156e-01, -2.53906250e-01,  5.35156250e-01,
         1.60156250e-01,  4.23828125e-01, -1.03027344e-01,  1.65039062e-01,
        -3.32031250e-02,  1.79443359e-02,  7.08007812e-02, -1.76757812e-01,
        -1.71875000e-01,  2.31445312e-01,  2.64892578e-02, -1.65039062e-01,
         1.14746094e-01, -2.26562500e-01,  1.41601562e-01, -5.32226562e-02,
         1.30859375e-01, -2.39257812e-01, -6.64062500e-02,  1.51367188e-02,
         2.27539062e-01, -2.06054688e-01,  2.92968750e-02, -1.11694336e-02,
         1.34765625e-01,  7.42187500e-02, -3.14941406e-02,  6.78710938e-02,
         8.69140625e-02,  9.32617188e-02, -9.03320312e-02,  1.12304688e-01,
        -3.57421875e-01, -1.42211914e-02,  1.66992188e-01,  6.64062500e-02,
         2.53906250e-01,  2.00195312e-02, -2.01171875e-01,  2.35351562e-01,
        -1.25000000e-01, -6.22558594e-02, -2.25585938e-01,  5.29785156e-02,
        -1.49414062e-01,  3.35937500e-01, -4.61425781e-02, -2.62451172e-02,
```

```
         3.35693359e-04,  5.12695312e-02,  5.88378906e-02,  2.20703125e-01,
        -8.05664062e-02,  1.74804688e-01, -1.90429688e-01,  2.37304688e-01,
         1.61132812e-01, -3.04687500e-01,  1.14257812e-01, -1.33666992e-02,
        -2.23632812e-01, -2.67578125e-01,  2.23632812e-01, -3.97949219e-02,
         1.21093750e-01, -1.24511719e-01, -9.76562500e-03, -1.52343750e-01,
         7.56835938e-02,  5.95703125e-02, -1.78222656e-02, -2.20703125e-01,
         1.86767578e-02, -3.28125000e-01,  7.81250000e-02, -7.42187500e-02,
         1.29882812e-01, -5.40161133e-03, -2.95410156e-02,  9.96093750e-02,
         1.01928711e-02,  2.30712891e-02, -2.87109375e-01, -1.63085938e-01,
        -7.08007812e-02, -7.03125000e-02, -4.51660156e-02, -1.44531250e-01,
         1.29882812e-01, -1.41601562e-01,  1.21582031e-01, -5.59082031e-02,
         1.35742188e-01, -7.61718750e-02, -5.54199219e-02, -1.27929688e-01,
        -1.72851562e-01, -1.03515625e-01, -7.11059570e-03,  2.02148438e-01,
         3.78906250e-01, -1.04003906e-01,  6.68945312e-02,  3.24218750e-01,
         2.81250000e-01,  1.82617188e-01, -6.01562500e-01, -4.41406250e-01,
        -4.27734375e-01, -2.55859375e-01, -1.03149414e-02,  2.46093750e-01,
        -3.02734375e-01, -1.21459961e-02,  2.69531250e-01,  1.14257812e-01,
        -4.08203125e-01,  2.71484375e-01,  1.21582031e-01, -2.77343750e-01,
        -1.86523438e-01, -2.57812500e-01, -1.60156250e-01,  1.07421875e-01,
         9.52148438e-02, -5.59082031e-02, -3.26171875e-01,  1.73828125e-01,
         1.24511719e-02, -2.79541016e-02, -1.77001953e-03,  2.94921875e-01,
         1.50390625e-01,  1.21582031e-01,  1.39648438e-01, -1.49414062e-01,
        -2.01171875e-01, -3.93066406e-02, -1.76757812e-01, -9.91210938e-02,
        -3.04687500e-01,  3.12500000e-01,  1.52343750e-01,  8.15429688e-02,
        -2.32421875e-01, -5.49316406e-02, -2.38281250e-01,  1.45507812e-01,
         2.61230469e-02, -4.05273438e-02, -6.54296875e-02, -3.88183594e-02,
         2.79296875e-01, -2.30468750e-01,  2.57812500e-01,  3.56445312e-02,
         8.85009766e-03, -3.27148438e-02, -2.78320312e-02,  1.08886719e-01,
         3.26171875e-01, -1.51367188e-01, -3.02734375e-02,  1.17187500e-01,
         5.03540039e-03, -1.68457031e-02, -1.27929688e-01, -2.55859375e-01,
        -2.98828125e-01, -1.10839844e-01,  1.32446289e-02, -2.14843750e-01,
         2.08984375e-01, -1.67236328e-02,  4.80957031e-02, -1.11816406e-01,
        -1.36718750e-01, -1.84570312e-01,  3.51562500e-02,  7.59887695e-03,
        -1.87500000e-01,  1.08886719e-01, -1.01318359e-02, -2.55859375e-01,
        -2.01171875e-01, -6.83593750e-02, -6.73828125e-02,  2.21679688e-01,
        -2.99072266e-02, -1.18652344e-01,  1.13281250e-01,  1.91406250e-01,
         6.39648438e-02,  8.98437500e-02,  1.71875000e-01,  9.08203125e-02,
        -1.66015625e-02, -1.42578125e-01, -1.63085938e-01, -1.35498047e-02,
         1.28906250e-01,  2.23632812e-01,  6.83593750e-02,  8.05664062e-02,
        -1.45507812e-01,  1.31835938e-01, -2.37304688e-01,  2.96875000e-01,
        -1.66015625e-01,  1.79687500e-01,  2.74658203e-02,  1.68945312e-01,
         2.17285156e-02,  1.42578125e-01, -2.79541016e-02, -6.44531250e-0
2],
       dtype=float32),
 'national': array([-0.13574219,  0.17578125,  0.1171875 ,  0.07861328,  0.
05249023,
        -0.23828125,  0.09277344, -0.08398438,  0.06152344, -0.0625    ,
        -0.03393555, -0.08105469,  0.08886719,  0.03442383, -0.265625  ,
         0.24414062, -0.06079102,  0.1796875 , -0.07910156,  0.078125  ,
        -0.22070312,  0.02502441, -0.17285156, -0.02685547, -0.03149414,
         0.07910156, -0.13964844, -0.0378418 ,  0.10400391, -0.04003906,
         0.10449219,  0.04077148,  0.06982422, -0.16796875,  0.22460938,
        -0.24609375, -0.15917969,  0.01251221,  0.14453125,  0.23828125,
        -0.13574219, -0.27929688,  0.27539062,  0.12597656, -0.12158203,
        -0.0043335 ,  0.00430298,  0.14746094,  0.11425781,  0.16113281,
        -0.12695312,  0.10693359, -0.05126953,  0.04101562, -0.03515625,
        -0.04858398, -0.11230469, -0.15527344, -0.03833008,  0.02734375,
        -0.15527344,  0.02075195,  0.08886719,  0.0625    ,  0.13476562,
         0.00561523,  0.01745605, -0.04785156,  0.20214844, -0.00241089,
        -0.30859375,  0.06079102,  0.05102539, -0.01794434,  0.02246094,
        -0.06738281,  0.06445312,  0.17773438,  0.13378906, -0.06884766,
         0.18457031, -0.0456543 ,  0.15332031, -0.00476074,  0.08349609,
        -0.13671875, -0.20019531, -0.05029297, -0.14453125,  0.25585938,
         0.11767578, -0.328125  , -0.16113281, -0.20117188,  0.09521484,
```

```
        -0.02319336,  0.10888672, -0.20410156,  0.03417969, -0.05639648,
         0.06201172,  0.19824219,  0.18164062,  0.05810547, -0.08349609,
         0.19433594, -0.16503906, -0.25976562, -0.07568359, -0.01275635,
        -0.08642578,  0.03112793, -0.2265625 ,  0.08837891,  0.17675781,
         0.13769531, -0.13378906,  0.02709961,  0.09960938,  0.12207031,
        -0.06933594, -0.05444336, -0.07373047, -0.10205078, -0.07958984,
         0.22363281,  0.19921875,  0.0703125 , -0.07226562,  0.06884766,
         0.16210938, -0.04418945, -0.13378906,  0.02233887, -0.16894531,
         0.00357056,  0.11767578, -0.02954102,  0.03466797, -0.08886719,
        -0.11523438, -0.07470703, -0.04638672, -0.11425781, -0.04589844,
        -0.06347656, -0.10986328,  0.03344727, -0.08007812,  0.11328125,
         0.17089844,  0.11328125,  0.06542969, -0.00161743,  0.16113281,
        -0.16015625,  0.14746094, -0.2109375 ,  0.19824219, -0.10595703,
         0.01422119,  0.01904297,  0.16308594, -0.05004883,  0.04443359,
         0.02929688, -0.05053711, -0.21191406,  0.12109375, -0.00537109,
         0.01556396, -0.06640625,  0.20214844, -0.21289062,  0.00213623,
        -0.05151367,  0.2109375 , -0.08154297,  0.07177734, -0.15527344,
        -0.06347656, -0.13671875, -0.06225586,  0.04760742,  0.02270508,
         0.19335938, -0.08105469, -0.06494141, -0.02478027,  0.48242188,
         0.05175781, -0.12402344, -0.02819824,  0.02478027, -0.18847656,
        -0.10253906,  0.00186157,  0.24804688, -0.09716797, -0.09619141,
        -0.25976562,  0.16210938,  0.10351562, -0.07470703,  0.07617188,
        -0.08447266,  0.06103516, -0.11425781, -0.06347656,  0.06884766,
         0.18457031, -0.13378906,  0.07177734,  0.08154297, -0.07519531,
        -0.03369141,  0.10839844,  0.00958252, -0.12597656,  0.17578125,
        -0.03369141, -0.07324219,  0.00714111, -0.11376953,  0.01068115,
        -0.08154297,  0.09082031,  0.15917969,  0.12890625, -0.03637695,
        -0.12402344, -0.14550781,  0.08935547,  0.17089844, -0.23144531,
         0.0534668 ,  0.15527344,  0.00558472,  0.00769043, -0.15136719,
        -0.01165771, -0.09423828, -0.03808594,  0.03393555, -0.0072937 ,
         0.15527344,  0.24414062,  0.01422119, -0.10644531, -0.07714844,
         0.06347656, -0.01379395,  0.12158203, -0.11962891,  0.18847656,
         0.00382996, -0.0279541 ,  0.05053711,  0.12011719,  0.09960938,
         0.09570312,  0.11132812,  0.09082031,  0.11865234,  0.14160156,
         0.19824219, -0.19042969,  0.1015625 , -0.13671875,  0.12158203,
         0.06689453,  0.00646973,  0.04760742, -0.08203125,  0.06933594,
        -0.05224609,  0.06884766, -0.140625  ,  0.07714844,  0.03088379,
        -0.15722656, -0.31445312,  0.10791016,  0.14355469, -0.08154297,
         0.08398438, -0.13671875,  0.00744629,  0.05053711, -0.1328125 ,
         0.03417969, -0.03955078,  0.03442383, -0.07519531,  0.0067749 ,
        -0.11083984,  0.06933594, -0.06835938,  0.0324707 , -0.00933838],
       dtype=float32),
 'usd': array([-0.22460938, -0.2578125 , -0.37304688,  0.4140625 ,  0.12402
344,
         0.09423828,  0.31640625,  0.02770996,  0.578125  ,  0.06225586,
        -0.21972656,  0.35351562, -0.10498047, -0.19238281, -0.390625  ,
         0.06445312,  0.0859375 , -0.16992188,  0.19042969, -0.37890625,
        -0.20214844, -0.28320312,  0.30273438, -0.22265625,  0.4375    ,
         0.09765625,  0.18359375,  0.06176758, -0.33789062, -0.19628906,
         0.31835938, -0.30664062, -0.11621094,  0.08496094, -0.08837891,
        -0.30859375,  0.03173828,  0.11083984,  0.1640625 ,  0.19042969,
         0.10400391, -0.16699219,  0.42773438,  0.05908203, -0.02319336,
         0.1640625 ,  0.01806641,  0.16308594, -0.0456543 , -0.03930664,
         0.30664062,  0.08398438,  0.33203125,  0.36914062, -0.10400391,
         0.07568359,  0.06542969, -0.23828125,  0.11767578, -0.15722656,
        -0.22167969, -0.08496094,  0.296875  ,  0.06982422, -0.0201416 ,
        -0.1875    ,  0.14160156, -0.30664062,  0.01031494,  0.51953125,
        -0.04443359, -0.2265625 ,  0.17871094,  0.44726562, -0.57421875,
        -0.24511719,  0.04003906,  0.21386719,  0.5546875 ,  0.19238281,
         0.21386719,  0.18066406, -0.40234375,  0.07373047,  0.12597656,
         0.38085938,  0.26171875,  0.10058594,  0.11376953, -0.15722656,
         0.3984375 ,  0.04833984, -0.03051758,  0.23828125, -0.36914062,
         0.01208496, -0.02416992, -0.07275391,  0.19238281, -0.03369141,
         0.02148438, -0.06347656, -0.11035156,  0.1640625 , -0.10205078,
```

```
        -0.03222656,  0.10888672,  0.12695312,  0.26171875,  0.01495361,
         0.00787354,  0.19238281, -0.09814453, -0.06176758,  0.04467773,
         0.07714844,  0.01672363, -0.20605469,  0.1953125 ,  0.04370117,
         0.34179688, -0.03637695,  0.10791016,  0.15039062,  0.3046875 ,
         0.07910156, -0.02685547, -0.00622559, -0.32421875,  0.16992188,
         0.265625  ,  0.01055908,  0.12695312,  0.26367188, -0.07666016,
        -0.14453125, -0.01263428,  0.11035156, -0.1796875 ,  0.11328125,
         0.16210938, -0.07958984, -0.20800781, -0.04248047, -0.2265625 ,
         0.16699219,  0.01147461, -0.48046875, -0.25      , -0.390625  ,
         0.48828125, -0.28515625, -0.2734375 , -0.45507812,  0.03540039,
        -0.1875    , -0.296875  , -0.0378418 ,  0.09814453, -0.02307129,
        -0.08056641,  0.15429688,  0.22460938, -0.03833008, -0.21972656,
         0.04931641,  0.23925781,  0.10253906,  0.15917969,  0.27929688,
        -0.60546875,  0.10595703,  0.12890625, -0.04174805,  0.31835938,
        -0.51171875,  0.33398438, -0.27148438, -0.12255859,  0.0071106 ,
        -0.12451172, -0.07519531,  0.04882812, -0.02868652,  0.07275391,
        -0.05175781, -0.24316406,  0.14355469,  0.16992188, -0.01721191,
        -0.2109375 , -0.03979492, -0.31835938, -0.17480469,  0.1875    ,
         0.10253906, -0.22167969, -0.07617188,  0.24609375, -0.19140625,
         0.19335938,  0.30664062, -0.39453125, -0.14160156, -0.00552368,
        -0.35742188,  0.15039062, -0.16113281, -0.01086426, -0.10693359,
        -0.16503906, -0.09130859, -0.5078125 ,  0.24902344, -0.03564453,
         0.0625    ,  0.3359375 , -0.01165771, -0.18945312,  0.02575684,
        -0.09814453,  0.65625   , -0.0480957 , -0.05493164, -0.11279297,
        -0.16308594, -0.3828125 , -0.31054688,  0.34375   , -0.03112793,
        -0.37695312,  0.13085938, -0.05175781, -0.34765625, -0.41992188,
         0.14746094,  0.23828125, -0.00415039,  0.07324219,  0.109375  ,
         0.28320312,  0.03808594,  0.15820312, -0.01477051, -0.16308594,
         0.34765625, -0.28125   , -0.09960938,  0.07421875, -0.28125   ,
         0.1953125 ,  0.09472656, -0.47851562,  0.08496094, -0.25390625,
         0.17675781,  0.28710938, -0.07958984,  0.15429688,  0.04443359,
         0.32421875, -0.16015625,  0.15820312, -0.19335938, -0.20117188,
         0.02111816, -0.40039062, -0.42578125, -0.08496094,  0.22167969,
         0.00236511,  0.0177002 ,  0.11621094,  0.15722656,  0.34570312,
         0.36132812, -0.453125  ,  0.4140625 , -0.19042969,  0.13867188,
        -0.3125    ,  0.52734375, -0.04663086,  0.2734375 ,  0.15722656,
        -0.57421875, -0.22070312,  0.04370117, -0.04394531, -0.11962891,
        -0.08251953, -0.359375  , -0.65625   , -0.01574707, -0.19726562,
         0.18359375,  0.17871094,  0.23144531,  0.421875  , -0.33398438],
       dtype=float32),
 'global': array([-0.08056641, -0.04296875, -0.09716797,  0.10107422, -0.20
507812,
        -0.03833008,  0.04541016, -0.30078125,  0.10791016, -0.04248047,
        -0.25976562, -0.09765625,  0.16796875, -0.1484375 , -0.10449219,
        -0.05541992, -0.01519775,  0.12255859,  0.0534668 , -0.03881836,
        -0.328125  , -0.006073  , -0.00241089, -0.16992188,  0.10400391,
         0.00148773, -0.0625    , -0.09814453,  0.1640625 , -0.06738281,
        -0.02612305, -0.16992188, -0.06933594, -0.08984375,  0.15136719,
        -0.01721191, -0.01794434,  0.02038574,  0.14941406,  0.02099609,
        -0.02453613, -0.01556396,  0.03588867,  0.15527344,  0.03515625,
         0.1328125 , -0.06298828,  0.03613281,  0.09716797,  0.20117188,
        -0.0291748 ,  0.03637695, -0.22363281,  0.03710938,  0.26953125,
         0.16992188, -0.05639648, -0.16796875,  0.20996094, -0.08837891,
        -0.10986328,  0.08007812,  0.08984375,  0.11621094,  0.08154297,
        -0.04345703,  0.05053711,  0.01251221,  0.18554688, -0.00756836,
        -0.28125   ,  0.12451172,  0.28515625,  0.15917969,  0.00102997,
        -0.07275391,  0.07666016,  0.23925781, -0.02893066, -0.14453125,
        -0.03588867, -0.06933594, -0.18457031,  0.04711914,  0.08349609,
         0.08105469, -0.11425781,  0.11279297, -0.07568359,  0.20019531,
         0.37109375, -0.31445312, -0.16113281,  0.01611328, -0.12304688,
        -0.1796875 ,  0.00741577, -0.16113281,  0.38867188, -0.01635742,
        -0.19921875,  0.19726562, -0.01306152,  0.17773438, -0.234375  ,
        -0.02087402, -0.22753906, -0.00241089, -0.02148438, -0.02380371,
        -0.06591797, -0.13183594, -0.27929688, -0.06103516,  0.06787109,
```

```
         0.04956055, -0.22070312, -0.21875   ,  0.34765625,  0.15625   ,
        -0.1953125 , -0.15625   , -0.09521484,  0.11572266, -0.15136719,
         0.03833008,  0.04150391, -0.12988281, -0.01452637,  0.15136719,
         0.06640625,  0.24902344, -0.12304688,  0.0480957 , -0.09619141,
        -0.02905273,  0.17382812, -0.07226562, -0.08837891, -0.06030273,
         0.2578125 , -0.12890625,  0.046875  ,  0.00952148,  0.11279297,
        -0.10742188,  0.22753906,  0.1328125 ,  0.10693359, -0.11230469,
         0.16796875, -0.15917969, -0.02770996,  0.03613281, -0.01287842,
        -0.06396484, -0.09521484,  0.01330566,  0.1328125 , -0.18164062,
        -0.07275391, -0.234375  , -0.00148773, -0.140625  ,  0.11572266,
         0.04638672,  0.04321289, -0.23925781,  0.01202393,  0.14355469,
        -0.00738525, -0.00366211,  0.2734375 , -0.15136719,  0.08251953,
        -0.26367188,  0.01049805, -0.03930664, -0.24609375, -0.12792969,
        -0.09472656,  0.00946045,  0.15039062, -0.25195312,  0.19726562,
         0.04516602, -0.00144196, -0.02233887,  0.07373047,  0.29882812,
        -0.20996094, -0.14648438, -0.21289062, -0.21582031, -0.25390625,
         0.04858398, -0.0859375 , -0.19433594,  0.11914062, -0.40820312,
        -0.11962891, -0.08789062,  0.09423828,  0.03063965,  0.06298828,
         0.15722656,  0.203125  , -0.11181641, -0.19824219,  0.00267029,
        -0.21289062, -0.04199219,  0.00126648,  0.3046875 ,  0.04199219,
        -0.01080322, -0.04931641, -0.07177734, -0.07080078,  0.18652344,
        -0.07373047,  0.02392578, -0.00265503,  0.01940918, -0.16894531,
        -0.02832031,  0.02832031, -0.25585938,  0.11083984, -0.00549316,
        -0.22949219,  0.00300598,  0.28710938, -0.22558594, -0.10058594,
         0.03295898, -0.07958984,  0.11523438, -0.06738281, -0.10839844,
         0.08056641,  0.03564453, -0.14941406,  0.07128906, -0.0456543 ,
        -0.04296875,  0.04760742, -0.18457031, -0.05249023, -0.27148438,
         0.04467773, -0.03015137, -0.14941406,  0.01062012,  0.02453613,
        -0.24707031,  0.2109375 , -0.14648438,  0.02038574, -0.11865234,
        -0.08544922, -0.20117188,  0.01348877, -0.02392578,  0.13769531,
         0.18457031, -0.19726562, -0.04223633, -0.09179688,  0.11230469,
        -0.16601562,  0.04223633,  0.0279541 , -0.23925781,  0.01177979,
        -0.00123596, -0.13671875,  0.18847656,  0.11621094,  0.19628906,
        -0.11865234, -0.11230469, -0.01184082, -0.10888672,  0.12353516,
         0.3203125 , -0.18457031,  0.0378418 ,  0.12792969, -0.00396729,
         0.0402832 ,  0.05786133, -0.0534668 ,  0.15234375, -0.03637695,
         0.01647949,  0.05175781,  0.36914062,  0.14746094, -0.12792969],
       dtype=float32),
 'energy': array([-0.10351562,  0.16113281,  0.1171875 , -0.25390625,  0.00
891113,
         0.00823975,  0.10302734, -0.40039062,  0.09423828,  0.03063965,
         0.0390625 ,  0.07958984, -0.03955078, -0.06494141, -0.13085938,
         0.00976562, -0.08544922,  0.14160156,  0.17285156,  0.07910156,
         0.03344727, -0.08935547, -0.01263428,  0.3046875 , -0.12060547,
         0.2890625 , -0.12890625, -0.00561523,  0.01452637, -0.11181641,
        -0.08398438, -0.02954102, -0.09472656,  0.10107422,  0.05859375,
        -0.06225586,  0.05810547,  0.05224609,  0.07177734,  0.375     ,
        -0.06030273, -0.14648438,  0.21484375,  0.05810547, -0.12890625,
        -0.00793457, -0.14355469, -0.09521484, -0.1640625 ,  0.17675781,
         0.09814453,  0.15625   , -0.01953125,  0.16601562,  0.06835938,
        -0.08447266, -0.08056641, -0.26171875,  0.10107422, -0.13085938,
        -0.04174805, -0.15722656, -0.19433594,  0.125     , -0.0043335 ,
        -0.07373047, -0.13769531,  0.16503906, -0.19921875,  0.05102539,
        -0.06738281, -0.24511719,  0.17773438, -0.21191406, -0.10253906,
        -0.19433594,  0.22070312,  0.47460938, -0.203125  , -0.15429688,
         0.203125  ,  0.06542969, -0.14160156,  0.0222168 ,  0.19726562,
         0.07226562, -0.03735352,  0.20214844, -0.06787109, -0.04272461,
         0.0016098 ,  0.05712891, -0.04418945, -0.05566406, -0.22753906,
        -0.19824219, -0.11816406,  0.15234375, -0.01867676, -0.17382812,
         0.07861328, -0.21777344,  0.13183594, -0.01098633,  0.08447266,
        -0.10546875, -0.23535156, -0.06542969, -0.09130859, -0.06298828,
        -0.15234375,  0.09277344, -0.09326172,  0.27929688, -0.0189209 ,
         0.30273438,  0.1875    , -0.06884766,  0.10644531, -0.16113281,
        -0.30664062, -0.22851562, -0.08007812, -0.16210938, -0.265625  ,
```

```
        -0.1796875 ,  0.06738281, -0.13574219, -0.20800781, -0.02600098,
        -0.11914062, -0.11914062, -0.02246094,  0.09667969,  0.05493164,
         0.26757812,  0.06835938, -0.10205078, -0.1640625 ,  0.10205078,
         0.05810547, -0.19824219, -0.28320312,  0.109375  ,  0.03662109,
         0.08886719,  0.14746094,  0.19628906, -0.03417969, -0.03662109,
        -0.01318359, -0.08740234,  0.07177734,  0.09765625,  0.15917969,
         0.07177734,  0.38671875, -0.14453125, -0.01696777, -0.3984375 ,
        -0.15820312,  0.27539062,  0.02734375,  0.31835938,  0.125     ,
         0.25      , -0.2734375 ,  0.203125  ,  0.20605469, -0.02148438,
        -0.24023438,  0.09765625,  0.07373047,  0.07519531, -0.12792969,
        -0.24511719,  0.15820312, -0.12255859, -0.18261719, -0.15820312,
        -0.265625  , -0.15917969, -0.19726562,  0.11621094,  0.10546875,
         0.05395508, -0.20605469,  0.10302734,  0.11376953,  0.00265503,
        -0.265625  ,  0.0559082 ,  0.06347656, -0.03540039, -0.11474609,
         0.12109375, -0.15332031, -0.10009766, -0.04589844, -0.22460938,
        -0.04882812,  0.15039062,  0.0625    , -0.07080078, -0.04443359,
        -0.06542969,  0.07958984, -0.2265625 , -0.04077148,  0.02124023,
        -0.44726562, -0.07226562,  0.08740234, -0.05419922,  0.01037598,
         0.03662109, -0.01586914,  0.10546875, -0.33203125, -0.03027344,
         0.09423828, -0.17382812, -0.04443359, -0.02331543, -0.17089844,
         0.08691406,  0.06347656,  0.01092529,  0.22167969,  0.15820312,
        -0.12792969,  0.31054688, -0.02392578, -0.0456543 , -0.12109375,
         0.06542969, -0.11865234, -0.06030273,  0.14160156, -0.07275391,
        -0.03295898,  0.42382812,  0.09228516,  0.03564453,  0.29882812,
        -0.01611328,  0.2109375 , -0.11962891, -0.1328125 ,  0.03637695,
        -0.17871094, -0.01623535,  0.13183594,  0.17773438,  0.03686523,
         0.02905273,  0.2890625 , -0.02648926, -0.11132812,  0.02099609,
        -0.0255127 , -0.0703125 , -0.17285156, -0.17871094, -0.01043701,
         0.15917969, -0.140625  , -0.10839844, -0.00570679,  0.02001953,
        -0.14941406, -0.08642578,  0.14355469, -0.08056641, -0.1484375 ,
        -0.08007812, -0.4140625 , -0.18457031, -0.00970459, -0.046875  ,
        -0.09326172,  0.03222656,  0.04052734, -0.01574707, -0.14746094,
         0.02209473,  0.03955078,  0.00157166,  0.12109375,  0.13378906,
        -0.23730469, -0.1328125 , -0.01519775, -0.09326172, -0.07910156,
        -0.06542969,  0.18652344,  0.04589844,  0.15332031,  0.24023438],
       dtype=float32),
 'leader': array([ 1.19628906e-01, -6.04248047e-03,  1.25000000e-01, -1.251
22070e-03,
        -2.78320312e-02, -7.93457031e-04, -3.02734375e-01, -2.47070312e-01,
         3.51562500e-01, -9.27734375e-02, -1.23046875e-01, -1.61132812e-01,
        -2.23632812e-01, -1.22680664e-02,  1.52343750e-01, -1.03515625e-01,
         8.69140625e-02, -2.04101562e-01, -9.81445312e-02, -1.57226562e-01,
         1.53808594e-02,  1.96289062e-01, -9.64355469e-03, -3.90625000e-02,
        -1.84326172e-02, -1.08886719e-01, -1.83593750e-01, -7.37304688e-02,
        -1.69677734e-02, -2.18750000e-01,  1.38671875e-01, -3.33786011e-04,
        -1.29882812e-01,  1.91406250e-01,  1.17187500e-01,  1.66015625e-01,
        -1.97265625e-01,  3.02734375e-01,  7.42187500e-02, -3.01513672e-02,
         6.62231445e-03, -4.10156250e-01,  1.10839844e-01,  1.52343750e-01,
         4.12597656e-02, -3.00781250e-01, -3.65234375e-01,  9.07897949e-04,
         1.21582031e-01,  9.17968750e-02, -1.02050781e-01,  1.07421875e-01,
         7.22656250e-02,  1.15722656e-01, -3.14941406e-02, -5.88378906e-02,
         2.61230469e-02,  6.05468750e-02,  5.98144531e-02, -1.10351562e-01,
        -4.17480469e-02,  2.79296875e-01, -1.99218750e-01, -1.65039062e-01,
        -5.39550781e-02,  1.04003906e-01, -1.12792969e-01,  1.66015625e-01,
         1.96289062e-01,  2.79296875e-01, -6.93359375e-02,  1.38671875e-01,
        -2.27050781e-02, -6.25000000e-02, -8.15429688e-02, -4.58984375e-02,
        -6.68945312e-02, -7.75146484e-03,  2.61718750e-01, -1.49414062e-01,
         1.62109375e-01,  1.98242188e-01,  8.30078125e-02,  1.80664062e-02,
         1.25976562e-01, -3.53515625e-01, -4.63867188e-02, -1.51367188e-01,
        -2.38037109e-02,  1.33789062e-01,  1.97265625e-01, -2.70996094e-02,
         1.89453125e-01, -8.59375000e-02,  7.47070312e-02, -9.57031250e-02,
        -8.10546875e-02, -4.95605469e-02, -1.20239258e-02, -3.58886719e-02,
        -8.78906250e-02, -1.05468750e-01, -1.94335938e-01,  1.46484375e-01,
        -2.06054688e-01, -2.97851562e-02,  4.88281250e-02,  3.61328125e-02,
```

```
        -1.48437500e-01,  1.22558594e-01, -7.75146484e-03, -1.78222656e-02,
        -1.39648438e-01,  1.26953125e-02, -1.53320312e-01, -9.46044922e-03,
        -1.14746094e-01, -1.85546875e-01,  2.08007812e-01, -5.73730469e-02,
         4.44335938e-02, -8.83789062e-02, -1.19628906e-01, -2.51953125e-01,
        -1.86523438e-01, -2.12890625e-01,  1.14746094e-01, -1.11816406e-01,
         2.24609375e-02,  8.20312500e-02,  3.46679688e-02, -2.78320312e-02,
         1.59179688e-01,  5.29785156e-02,  7.81250000e-02,  6.73828125e-02,
         1.93359375e-01,  1.18652344e-01, -4.00390625e-02,  7.44628906e-03,
        -1.64062500e-01,  1.58203125e-01,  1.46484375e-01,  1.36718750e-01,
        -2.68554688e-02, -1.67968750e-01,  9.71679688e-02, -3.78417969e-02,
        -2.38418579e-04,  1.31835938e-01,  6.22558594e-02,  2.61718750e-01,
        -1.14257812e-01,  9.52148438e-02, -1.45507812e-01, -2.62451172e-02,
        -1.64794922e-02,  2.76184082e-03, -2.80761719e-02, -3.90625000e-03,
         7.86132812e-02,  3.66210938e-02,  2.57812500e-01,  5.12695312e-02,
        -5.76171875e-02,  4.66308594e-02,  1.53320312e-01, -3.61328125e-02,
         1.14257812e-01,  2.02148438e-01,  2.67578125e-01,  8.44726562e-02,
        -9.42382812e-02, -3.06640625e-01,  2.79296875e-01, -8.64257812e-02,
        -1.75781250e-01, -9.03320312e-02,  7.50732422e-03, -9.71679688e-02,
        -2.33398438e-01, -1.83593750e-01,  1.66992188e-01, -6.25000000e-02,
        -2.84423828e-02,  1.75781250e-02, -1.77001953e-03,  9.66796875e-02,
         3.56445312e-02,  7.95898438e-02,  3.80859375e-02,  1.79687500e-01,
         7.61718750e-02,  1.70898438e-01,  5.10253906e-02, -4.05273438e-02,
        -2.27539062e-01,  2.69531250e-01,  1.84570312e-01, -1.98242188e-01,
        -1.56250000e-01,  8.83789062e-02,  2.28515625e-01, -9.71679688e-02,
        -2.36328125e-01, -1.51367188e-01,  2.65625000e-01, -7.17773438e-02,
        -2.40478516e-02, -4.16015625e-01, -4.95605469e-02, -8.30078125e-02,
         2.73437500e-01, -4.88281250e-02, -5.12695312e-02,  2.65625000e-01,
         5.46875000e-02, -1.62109375e-01, -1.43432617e-02,  1.65039062e-01,
         2.02148438e-01,  7.04956055e-03,  7.51953125e-02,  1.22558594e-01,
        -3.27148438e-02,  2.17773438e-01,  1.40625000e-01, -2.34375000e-01,
         1.80664062e-01,  2.45117188e-01, -1.46484375e-01,  3.38745117e-03,
        -7.37304688e-02, -7.91015625e-02, -5.49316406e-02,  5.98144531e-03,
        -1.31835938e-01,  3.54003906e-02, -8.39843750e-02, -4.19921875e-02,
        -2.58789062e-02, -2.33398438e-01, -1.15722656e-01,  1.10351562e-01,
         2.96875000e-01, -1.55273438e-01,  7.72094727e-03, -2.34375000e-02,
         1.66992188e-01, -2.50000000e-01,  8.10546875e-02,  3.12500000e-02,
        -2.67578125e-01,  1.05468750e-01,  8.05664062e-02,  1.66992188e-01,
        -5.40161133e-03, -1.45507812e-01,  5.63964844e-02, -3.53515625e-01,
         1.33789062e-01, -3.12500000e-02,  1.02050781e-01, -9.03320312e-02,
         1.87500000e-01,  1.34765625e-01,  1.26953125e-01,  2.53906250e-01,
        -1.93359375e-01,  3.41796875e-01, -2.69531250e-01,  1.43554688e-01,
         1.21459961e-02, -4.88281250e-02, -1.75781250e-01,  5.49316406e-02,
        -2.63671875e-01, -2.65625000e-01, -1.11328125e-01,  2.24609375e-02,
         2.30468750e-01, -2.41088867e-03,  2.25830078e-02,  2.51953125e-01,
        -5.54199219e-02,  6.98242188e-02,  2.61230469e-02,  4.85839844e-02,
         7.95898438e-02, -8.98437500e-02,  6.15234375e-02,  1.66992188e-01,
        -9.47265625e-02, -1.21582031e-01, -2.15820312e-01, -1.62353516e-02,
         1.01074219e-01,  1.86523438e-01,  1.53320312e-01,  2.61718750e-0
1],
       dtype=float32),
 'inspection': array([-3.65234375e-01,  1.04980469e-01,  1.95312500e-01, -
2.77343750e-01,
         4.68750000e-02, -8.15429688e-02,  2.12402344e-02, -1.88476562e-01,
         6.44531250e-02, -1.53320312e-01,  1.84570312e-01, -5.59082031e-02,
        -3.63769531e-02,  1.48437500e-01, -1.62109375e-01,  2.91015625e-01,
        -6.88476562e-02, -1.05468750e-01, -1.76757812e-01,  2.29492188e-02,
         1.60156250e-01, -2.57812500e-01, -2.68554688e-02,  1.67968750e-01,
        -1.98974609e-02,  3.75976562e-02,  6.39648438e-02,  5.02929688e-02,
         1.52343750e-01, -1.37695312e-01, -4.55078125e-01, -1.31835938e-01,
         5.78613281e-02, -8.69140625e-02,  2.19726562e-01, -1.21093750e-01,
         1.62109375e-01,  1.97265625e-01,  2.07031250e-01, -4.41894531e-02,
        -1.01074219e-01, -2.50000000e-01,  6.03027344e-02,  7.42187500e-02,
        -3.63769531e-02, -2.32421875e-01,  4.02832031e-02,  4.29687500e-01,
        -3.08593750e-01,  2.34375000e-01,  3.18359375e-01, -6.93359375e-02,
```

```
 3.43750000e-01,  1.24023438e-01,  2.89306641e-02,  2.85156250e-01,
 2.77343750e-01,  1.14257812e-01,  9.22851562e-02, -8.10546875e-02,
-4.61425781e-02,  1.60156250e-01, -2.75390625e-01, -3.30078125e-01,
-2.32421875e-01,  5.07812500e-02, -1.42578125e-01,  3.02734375e-01,
-4.34570312e-02, -3.65234375e-01,  1.10351562e-01,  4.02832031e-02,
 1.72851562e-01, -5.93261719e-02, -7.81250000e-02,  7.56835938e-02,
-4.36306000e-05,  4.42504883e-03,  1.44531250e-01, -7.51953125e-02,
 6.98242188e-02, -2.10937500e-01,  1.06811523e-02, -8.30078125e-02,
-6.17675781e-02,  1.49414062e-01,  1.27929688e-01,  4.39453125e-02,
 1.11328125e-01, -7.12890625e-02,  2.96630859e-02, -1.94335938e-01,
 7.12890625e-02,  4.80468750e-01,  6.59179688e-02, -2.95410156e-02,
-1.64062500e-01, -3.27148438e-02,  2.19726562e-01, -2.97851562e-02,
 1.09375000e-01, -2.47070312e-01, -3.06396484e-02,  1.46484375e-01,
 1.29882812e-01,  6.12792969e-02,  5.39550781e-02,  1.48437500e-01,
-2.46093750e-01, -4.73632812e-02,  8.20312500e-02, -1.89208984e-02,
-2.94921875e-01, -3.46679688e-02, -9.37500000e-02,  1.93359375e-01,
-2.72216797e-02,  2.71484375e-01,  1.93359375e-01, -1.92382812e-01,
-2.16796875e-01, -8.60595703e-03, -5.81054688e-02, -1.37695312e-01,
-6.03027344e-02,  2.40478516e-02,  5.73730469e-02,  7.61718750e-02,
 1.80664062e-01,  8.83789062e-02, -2.69531250e-01,  1.27929688e-01,
-9.57031250e-02, -1.51367188e-01, -2.45117188e-01, -3.22265625e-02,
-1.40380859e-02, -5.67626953e-03, -2.40234375e-01,  2.91015625e-01,
-2.37304688e-01,  3.35937500e-01, -2.81250000e-01,  1.39648438e-01,
 9.32617188e-02, -1.75781250e-01,  2.06298828e-02,  5.79833984e-03,
-4.27734375e-01, -8.98437500e-02, -8.20312500e-02, -2.07031250e-01,
 5.98144531e-02, -7.03125000e-02, -8.20312500e-02, -2.42187500e-01,
-2.61718750e-01,  3.39355469e-02, -2.40234375e-01,  8.05664062e-02,
-8.00781250e-02,  1.22558594e-01, -1.47460938e-01,  1.65039062e-01,
 5.12695312e-02, -2.55859375e-01,  2.53906250e-01, -1.38671875e-01,
 1.20117188e-01, -2.71484375e-01,  1.07910156e-01,  1.41601562e-02,
-1.02050781e-01,  1.31225586e-02,  6.83593750e-02, -1.62109375e-01,
-8.30078125e-02, -7.12890625e-02,  6.10351562e-02, -1.18164062e-01,
-2.47070312e-01, -8.93554688e-02,  3.98437500e-01, -7.56835938e-02,
 2.03125000e-01,  4.68750000e-02, -1.43554688e-01, -1.83593750e-01,
 2.16796875e-01,  4.86328125e-01, -1.92382812e-01,  1.09863281e-01,
 8.98437500e-02,  1.80664062e-01, -1.11083984e-02, -1.12792969e-01,
 2.61718750e-01, -1.42578125e-01, -1.28906250e-01,  1.68945312e-01,
 3.69140625e-01,  1.83593750e-01, -2.25585938e-01, -2.02148438e-01,
 1.67968750e-01,  5.18798828e-03, -1.85546875e-02, -9.08203125e-02,
 6.01562500e-01, -4.24804688e-02,  2.46093750e-01, -3.83300781e-02,
-1.89453125e-01,  2.91748047e-02, -3.24218750e-01,  2.06054688e-01,
 3.26171875e-01,  4.62890625e-01, -3.36914062e-02,  2.13623047e-02,
 4.88281250e-02,  1.70898438e-01,  2.34375000e-01,  1.34765625e-01,
 6.10351562e-02, -3.49609375e-01, -3.46679688e-02,  2.10937500e-01,
 1.83593750e-01, -2.32421875e-01,  2.40234375e-01,  1.37329102e-02,
-1.89453125e-01, -6.86645508e-03,  5.81054688e-02,  1.08886719e-01,
 1.84570312e-01, -8.10546875e-02,  8.49609375e-02,  1.19140625e-01,
 2.94189453e-02, -1.03515625e-01, -3.67187500e-01, -2.71484375e-01,
-4.63867188e-03, -1.76757812e-01, -2.15820312e-01, -1.72851562e-01,
-6.10351562e-02, -3.53515625e-01,  9.91210938e-02, -4.88281250e-02,
 1.92871094e-02, -2.55859375e-01,  3.32031250e-02,  7.76367188e-02,
-5.37109375e-03, -7.91015625e-02,  1.41601562e-01,  2.89062500e-01,
 4.00390625e-02,  2.04101562e-01,  1.18408203e-02, -1.06933594e-01,
 4.17968750e-01, -5.03906250e-01, -1.87500000e-01, -2.05078125e-01,
-3.39843750e-01,  6.73828125e-02, -5.00488281e-03,  2.50000000e-01,
 2.89306641e-02,  8.36181641e-03, -8.20312500e-02, -1.56250000e-01,
-4.90722656e-02, -4.84375000e-01,  6.83593750e-02, -1.75781250e-02,
-3.34472656e-02,  1.40625000e-01,  3.30078125e-01,  2.15820312e-01,
-1.17675781e-01,  5.02929688e-02, -9.71679688e-02,  1.91406250e-01,
-9.47265625e-02, -8.30078125e-02, -1.05468750e-01,  1.51367188e-01,
 1.55273438e-01,  4.57031250e-01,  3.95507812e-02,  6.93359375e-02,
-2.47070312e-01, -3.78906250e-01, -1.23535156e-01, -3.75000000e-0
1],
       dtype=float32),
```

```
 'engineering': array([-0.19628906,  0.09716797,  0.12792969,  0.09326172,
-0.09375   ,
         0.12060547,  0.08544922, -0.3984375 , -0.04614258,  0.07421875,
        -0.01049805, -0.04760742, -0.14160156, -0.11669922, -0.2734375 ,
        -0.15039062, -0.19140625, -0.28320312,  0.0534668 , -0.06787109,
        -0.3359375 ,  0.07714844, -0.01208496, -0.00793457,  0.08007812,
         0.05761719, -0.14257812, -0.11621094, -0.16894531, -0.14355469,
         0.09423828, -0.06005859, -0.00216675,  0.00982666,  0.21875   ,
        -0.22558594,  0.25195312,  0.13183594,  0.11621094, -0.04541016,
        -0.10595703, -0.07568359,  0.13671875,  0.17675781, -0.328125  ,
        -0.07080078, -0.18164062,  0.17382812, -0.00878906,  0.3125    ,
        -0.12255859, -0.109375  ,  0.13378906,  0.11230469,  0.13085938,
         0.13476562,  0.18066406, -0.12451172,  0.06835938, -0.02453613,
        -0.09814453, -0.09765625, -0.06298828, -0.30859375, -0.26757812,
        -0.06103516, -0.02380371,  0.31054688, -0.08300781,  0.08105469,
        -0.21386719, -0.02270508,  0.26757812, -0.1484375 ,  0.03515625,
         0.17285156, -0.04516602,  0.05200195, -0.16308594, -0.12451172,
        -0.11865234,  0.22460938, -0.33984375,  0.12597656,  0.15234375,
        -0.16796875,  0.09472656,  0.41992188, -0.28125   ,  0.13183594,
         0.13378906, -0.12695312, -0.14355469,  0.36132812, -0.01660156,
         0.08789062, -0.20703125, -0.20117188,  0.13378906,  0.22265625,
        -0.02172852, -0.17382812, -0.20410156, -0.05175781,  0.08691406,
        -0.14453125, -0.12207031,  0.07226562,  0.1328125 ,  0.17480469,
        -0.07177734, -0.01647949, -0.03930664,  0.00367737,  0.17773438,
         0.10791016, -0.16992188,  0.296875  ,  0.38476562,  0.11035156,
        -0.06787109,  0.11865234, -0.10253906,  0.00540161, -0.16308594,
         0.23730469, -0.09765625, -0.20898438,  0.12011719,  0.10302734,
         0.06396484,  0.01867676, -0.19824219, -0.23925781,  0.11621094,
         0.01483154,  0.01092529,  0.17578125, -0.2109375 ,  0.11816406,
        -0.01928711, -0.09814453, -0.18066406,  0.234375  , -0.28710938,
         0.08691406, -0.01721191,  0.01452637, -0.01135254, -0.07421875,
         0.1875    , -0.01855469, -0.09033203,  0.18847656, -0.33789062,
        -0.03369141,  0.02453613,  0.24023438,  0.05908203, -0.31640625,
        -0.00952148, -0.02905273, -0.17675781,  0.21484375,  0.32421875,
        -0.11816406,  0.17773438, -0.16210938, -0.14941406, -0.26757812,
         0.11572266,  0.05566406, -0.16015625, -0.13183594,  0.26367188,
        -0.07519531,  0.01647949, -0.13378906, -0.27734375, -0.05664062,
        -0.10986328, -0.02392578, -0.17773438, -0.13378906,  0.16992188,
        -0.12011719,  0.12060547, -0.09521484,  0.05419922, -0.0390625 ,
        -0.09863281,  0.20214844, -0.04931641, -0.09277344, -0.30859375,
         0.03881836,  0.25      , -0.05200195, -0.25195312, -0.16015625,
        -0.26171875,  0.25195312, -0.06591797, -0.09375   , -0.15039062,
         0.02526855,  0.14648438, -0.4765625 ,  0.08056641, -0.0007515 ,
         0.05883789, -0.19628906,  0.05615234, -0.09130859,  0.06640625,
         0.12792969, -0.07128906, -0.13476562,  0.16894531, -0.17382812,
        -0.03540039, -0.37109375,  0.0213623 ,  0.01831055,  0.02990723,
        -0.21289062,  0.06494141,  0.06982422, -0.22949219,  0.19140625,
         0.18457031,  0.11865234, -0.17871094, -0.26757812, -0.1875    ,
        -0.13476562,  0.12792969, -0.25390625,  0.07470703,  0.26171875,
        -0.02770996,  0.10253906, -0.4375    ,  0.140625  , -0.01544189,
        -0.2890625 , -0.2734375 , -0.08642578, -0.23730469, -0.16894531,
        -0.14355469, -0.14355469, -0.03540039,  0.18359375,  0.05004883,
        -0.09521484, -0.05810547,  0.15429688, -0.32421875,  0.05664062,
         0.13476562, -0.19921875, -0.08935547, -0.109375  , -0.07226562,
         0.22949219, -0.15136719, -0.06884766, -0.234375  ,  0.00250244,
        -0.04199219, -0.35546875, -0.00317383, -0.25195312,  0.0859375 ,
        -0.06054688, -0.07910156,  0.08007812, -0.04345703, -0.1953125 ,
        -0.08496094,  0.02331543, -0.11035156,  0.12890625, -0.20996094,
         0.10791016,  0.04321289, -0.02929688,  0.24609375,  0.03979492,
        -0.23339844,  0.0402832 , -0.359375  ,  0.32421875,  0.06982422,
        -0.07324219,  0.0480957 , -0.29101562,  0.06835938,  0.02929688],
       dtype=float32),
 'quest': array([ 1.58203125e-01,  2.73437500e-01, -1.96289062e-01, -1.2597
6562e-01,
```

```
 1.61132812e-01,  8.39843750e-02,  3.28125000e-01, -1.34765625e-01,
-3.88671875e-01,  2.12890625e-01, -7.61718750e-02, -3.93066406e-02,
-9.13085938e-02, -6.39648438e-02, -1.67236328e-02,  7.71484375e-02,
 2.40234375e-01,  1.05957031e-01,  2.15820312e-01, -6.20117188e-02,
 1.83105469e-02,  3.78417969e-02, -2.99072266e-02, -5.66406250e-02,
-2.38281250e-01, -2.01171875e-01, -2.73437500e-01,  1.08886719e-01,
 1.92382812e-01,  5.51757812e-02,  2.83203125e-01, -8.59375000e-02,
-9.03320312e-02, -1.69677734e-02, -1.44531250e-01,  2.81250000e-01,
 1.41601562e-01, -6.00585938e-02,  3.41796875e-01, -1.58203125e-01,
 1.65039062e-01, -1.13769531e-01, -1.34765625e-01,  1.22558594e-01,
-1.12304688e-01, -1.86523438e-01,  1.78710938e-01,  1.08886719e-01,
-4.10156250e-02,  1.42578125e-01, -1.51367188e-01, -2.95410156e-02,
 5.88378906e-02,  1.54296875e-01,  2.15820312e-01,  1.14746094e-01,
-1.20849609e-02, -4.29687500e-01, -6.22558594e-02,  6.28662109e-03,
 3.95507812e-02,  2.15820312e-01,  1.69921875e-01,  1.30859375e-01,
-4.58984375e-02,  8.00781250e-02,  1.58203125e-01,  5.49316406e-02,
 6.15234375e-02, -1.94335938e-01,  2.73437500e-02, -7.42187500e-02,
-1.68945312e-01,  1.74560547e-02, -7.41577148e-03, -4.02832031e-02,
-5.54199219e-02, -2.35595703e-02,  6.71386719e-03, -3.02734375e-02,
 4.24804688e-02,  2.36816406e-02, -1.40625000e-01, -1.52343750e-01,
 2.31933594e-02, -6.73828125e-02, -2.26562500e-01, -1.23046875e-01,
 8.93554688e-02,  9.96093750e-02,  5.44433594e-02, -2.53906250e-01,
-2.44140625e-01, -1.80664062e-02,  1.01074219e-01, -1.96289062e-01,
 4.46777344e-02,  1.17187500e-01, -6.15234375e-02,  9.66796875e-02,
-8.74023438e-02,  9.42382812e-02,  9.47265625e-02, -3.97949219e-02,
-1.28906250e-01,  1.88476562e-01, -2.46093750e-01,  1.06445312e-01,
 1.68945312e-01,  2.89062500e-01,  1.34765625e-01,  8.00781250e-02,
-1.59179688e-01,  1.69921875e-01,  1.01074219e-01,  9.76562500e-02,
-5.02929688e-02,  1.59179688e-01,  3.17382812e-02,  6.88476562e-02,
 5.29785156e-02, -6.78710938e-02,  2.86865234e-02, -1.36718750e-01,
-3.22265625e-01, -7.08007812e-02,  7.08007812e-02,  3.56445312e-02,
-4.72656250e-01,  1.38671875e-01,  1.01074219e-01, -1.97753906e-02,
-1.80664062e-01, -1.46484375e-01, -1.35742188e-01,  8.30078125e-02,
-1.04980469e-01, -7.37304688e-02, -1.62109375e-01,  7.66601562e-02,
 2.83203125e-01, -2.91015625e-01, -2.21679688e-01, -1.26342773e-02,
 2.09960938e-01,  1.22070312e-01, -7.47070312e-02, -1.90429688e-01,
-1.23535156e-01, -9.32617188e-02, -1.49414062e-01, -1.12792969e-01,
 2.53906250e-01,  5.12695312e-03, -8.05664062e-02,  6.03027344e-02,
 1.17675781e-01,  1.49414062e-01, -2.22656250e-01, -4.39453125e-01,
-3.05175781e-02, -8.30078125e-02,  2.39257812e-01, -7.03125000e-02,
-2.30468750e-01, -3.90625000e-01,  3.59375000e-01, -1.93359375e-01,
-3.06396484e-02, -6.98242188e-02,  2.79296875e-01,  1.63085938e-01,
-1.54296875e-01,  8.54492188e-02, -7.08007812e-02, -2.13867188e-01,
-2.91748047e-02, -1.49414062e-01, -1.31835938e-01, -2.90527344e-02,
-3.08593750e-01, -1.25976562e-01,  3.14941406e-02, -1.15234375e-01,
-1.96289062e-01, -2.49023438e-01, -1.79687500e-01,  5.15136719e-02,
 4.02343750e-01, -7.42187500e-02,  1.15234375e-01, -1.28906250e-01,
 1.24511719e-01,  1.80664062e-01, -3.12500000e-01, -8.78906250e-03,
-1.31835938e-02,  2.55859375e-01, -2.69531250e-01, -6.05468750e-02,
 4.17480469e-02,  3.61328125e-01,  5.56640625e-02, -2.43164062e-01,
 1.19140625e-01,  5.20019531e-02, -1.95312500e-01,  4.17480469e-02,
-1.86767578e-02, -2.27539062e-01, -2.41210938e-01,  2.01171875e-01,
-2.37304688e-01,  4.76074219e-02, -1.14257812e-01,  2.57812500e-01,
 3.12500000e-02,  2.51953125e-01, -5.52368164e-03, -4.07714844e-02,
-9.47265625e-02, -2.59765625e-01,  2.24609375e-01,  2.44140625e-01,
-1.21582031e-01,  1.56250000e-01, -2.13867188e-01, -1.21582031e-01,
 8.25195312e-02, -7.99560547e-03,  2.15820312e-01,  6.93359375e-02,
-1.85546875e-01,  1.09863281e-01,  8.49609375e-02,  8.59375000e-02,
-1.16699219e-01, -6.98242188e-02, -7.86132812e-02, -3.27148438e-02,
-2.44140625e-02, -8.39843750e-02, -4.02832031e-02,  7.20214844e-03,
 4.08172607e-04,  2.94921875e-01,  2.85156250e-01,  2.37304688e-01,
 1.00097656e-01, -8.91113281e-03, -1.22558594e-01,  6.29882812e-02,
 1.80664062e-01,  2.10937500e-01, -2.89306641e-02, -2.80761719e-03,
 1.57226562e-01, -2.89062500e-01, -1.29882812e-01,  8.72802734e-03,
```

```
        -6.12792969e-02,  7.91015625e-02, -1.29882812e-01,  3.75000000e-01,
        -4.12597656e-02,  1.14257812e-01, -1.77001953e-02, -1.38671875e-01,
        -3.08593750e-01,  2.21679688e-01, -1.42822266e-02, -2.23388672e-02,
         1.86523438e-01,  9.57031250e-02, -2.57812500e-01, -2.08007812e-01,
        -3.08593750e-01, -1.32812500e-01, -1.57226562e-01,  2.18750000e-01,
         3.49121094e-02, -2.92968750e-01,  4.22363281e-02,  4.61425781e-02,
        -9.47265625e-02,  2.38037109e-02, -3.24218750e-01,  2.01171875e-01,
        -1.97265625e-01, -1.56250000e-01,  6.39648438e-02,  9.76562500e-04,
        -4.93164062e-02, -3.27148438e-02, -6.64062500e-02, -2.41210938e-01,
         8.39843750e-02,  1.14257812e-01,  7.66601562e-02, -5.09643555e-0
3],
       dtype=float32),
 'integrity': array([-3.93066406e-02,  4.78515625e-02,  5.76171875e-02, -1.
13769531e-01,
        -1.04003906e-01,  9.96093750e-02,  1.25000000e-01,  8.15429688e-02,
         4.46777344e-02,  2.59765625e-01, -1.48437500e-01, -3.02734375e-01,
         1.03027344e-01,  1.18164062e-01, -1.00097656e-01,  2.46093750e-01,
        -1.03027344e-01,  2.78320312e-02, -3.00781250e-01, -4.07714844e-02,
        -6.83593750e-02, -3.53515625e-01, -8.69140625e-02,  4.06250000e-01,
         1.30859375e-01, -1.53320312e-01,  7.17773438e-02,  5.05371094e-02,
         1.78710938e-01,  8.20312500e-02,  4.00390625e-02, -2.50244141e-02,
         1.54296875e-01, -1.21093750e-01,  2.31445312e-01,  1.63574219e-02,
        -1.05468750e-01,  1.67968750e-01, -9.61914062e-02, -1.25000000e-01,
        -1.07421875e-01, -7.71484375e-02, -7.37304688e-02, -2.63671875e-02,
        -3.45703125e-01, -7.47070312e-02, -2.67578125e-01, -5.51757812e-02,
        -3.60488892e-04, -4.56542969e-02, -1.37695312e-01,  2.48046875e-01,
         3.18359375e-01, -2.28515625e-01,  1.48437500e-01,  3.82812500e-01,
        -3.35937500e-01, -3.75000000e-01, -7.86132812e-02,  6.22558594e-03,
         2.71484375e-01,  1.66015625e-01,  1.87500000e-01,  2.51464844e-02,
         4.76074219e-02, -5.00488281e-02,  5.12695312e-02,  2.73437500e-01,
         2.53906250e-01, -1.17675781e-01,  1.86523438e-01, -5.56640625e-02,
         3.35937500e-01, -2.87109375e-01, -3.26171875e-01, -3.24218750e-01,
        -1.91406250e-01, -1.47460938e-01,  3.33984375e-01,  3.12500000e-01,
        -3.93066406e-02,  9.52148438e-02, -7.47070312e-02, -2.89062500e-01,
         2.28271484e-02, -1.43554688e-01,  1.58691406e-02,  3.18359375e-01,
        -2.40478516e-02,  1.86523438e-01,  2.67578125e-01,  8.25195312e-02,
         2.16796875e-01,  1.01074219e-01,  2.09960938e-01, -1.15722656e-01,
        -2.37304688e-01,  1.57226562e-01,  3.78417969e-02, -2.57812500e-01,
         4.85839844e-02,  2.12890625e-01,  1.51367188e-01,  4.90722656e-02,
         6.05468750e-02,  8.83789062e-02, -1.28906250e-01,  3.06640625e-01,
        -3.95507812e-02, -1.41601562e-01, -1.12792969e-01,  1.99218750e-01,
        -3.47656250e-01,  3.76953125e-01,  1.28906250e-01,  4.76074219e-02,
        -1.39648438e-01,  5.51757812e-02,  1.13769531e-01,  1.81640625e-01,
        -1.71875000e-01,  6.78710938e-02,  1.74804688e-01,  3.84765625e-01,
         1.25000000e-01, -1.95312500e-01,  9.27734375e-02,  1.89453125e-01,
         1.31835938e-01,  6.52313232e-04, -9.66796875e-02, -2.87109375e-01,
        -4.70703125e-01,  1.52343750e-01,  3.19824219e-02, -2.31445312e-01,
         1.85546875e-01, -2.11181641e-02,  1.17675781e-01, -1.11816406e-01,
        -1.91406250e-01, -1.90429688e-01, -5.07812500e-02,  4.88281250e-02,
        -3.18359375e-01,  1.93359375e-01,  1.25976562e-01, -1.38671875e-01,
         3.45703125e-01,  1.97265625e-01, -2.23632812e-01,  2.63671875e-01,
         1.56250000e-01,  2.65625000e-01, -2.31445312e-01, -2.33154297e-02,
        -2.23388672e-02, -1.02050781e-01, -9.91210938e-02,  5.83496094e-02,
        -1.48437500e-01, -1.01562500e-01, -3.73535156e-02,  3.24218750e-01,
         2.39257812e-02, -5.76782227e-03, -1.55273438e-01, -2.79296875e-01,
        -6.93359375e-02,  2.96875000e-01,  1.18164062e-01, -1.72851562e-01,
         1.50390625e-01, -1.83593750e-01,  7.32421875e-02, -1.81640625e-01,
         4.85839844e-02,  5.02929688e-02, -6.88476562e-02, -1.27929688e-01,
        -2.36328125e-01,  8.64257812e-02, -4.05273438e-02, -2.63671875e-01,
        -6.93359375e-02, -7.95898438e-02, -1.89453125e-01, -9.71679688e-02,
         9.91210938e-02,  4.06250000e-01, -1.09375000e-01,  1.87500000e-01,
         1.10351562e-01, -6.31713867e-03,  4.42504883e-03, -2.04101562e-01,
         9.81445312e-02,  2.49023438e-01,  5.07812500e-02,  6.68945312e-02,
        -1.66992188e-01,  2.92968750e-01,  6.34765625e-02, -3.41796875e-02,
```

```
        -1.19628906e-01, -1.86523438e-01, -1.69921875e-01, -1.65039062e-01,
         1.28906250e-01, -1.18164062e-01, -2.05078125e-01, -6.29882812e-02,
        -1.06445312e-01,  1.79687500e-01, -3.27148438e-02, -4.63867188e-02,
        -3.12500000e-02,  1.52343750e-01, -3.49609375e-01, -1.02996826e-03,
        -1.64062500e-01, -2.14843750e-01, -1.72851562e-01,  2.51953125e-01,
         1.62353516e-02, -3.67736816e-03,  2.23632812e-01,  1.93359375e-01,
         1.78710938e-01,  1.03027344e-01, -3.43750000e-01,  4.51660156e-02,
         6.68945312e-02, -8.54492188e-02, -1.70898438e-01, -2.01171875e-01,
         2.50000000e-01,  1.45263672e-02,  1.14746094e-01, -9.52148438e-02,
        -1.33789062e-01, -3.63281250e-01, -1.27929688e-01,  6.29882812e-02,
        -5.21850586e-03, -4.58984375e-02, -1.27929688e-01, -5.02929688e-02,
        -1.53320312e-01,  5.37109375e-02, -5.20019531e-02,  2.18750000e-01,
        -8.25195312e-02, -4.36401367e-03, -1.20605469e-01, -2.46093750e-01,
         1.60156250e-01, -1.44531250e-01, -1.75781250e-02, -2.11914062e-01,
         3.00781250e-01, -2.46093750e-01,  1.64062500e-01,  2.50000000e-01,
         1.58203125e-01,  2.07031250e-01, -2.01416016e-02, -4.17480469e-02,
         3.00292969e-02, -2.43164062e-01, -1.08886719e-01, -1.59179688e-01,
         3.85742188e-02,  8.74023438e-02, -1.13769531e-01, -2.13867188e-01,
         8.83789062e-02, -2.47070312e-01, -3.04687500e-01,  2.45117188e-01,
        -4.63867188e-02,  5.90820312e-02,  2.63671875e-01,  2.20703125e-01,
         2.75878906e-02, -2.35351562e-01, -1.95312500e-02,  1.73339844e-02,
         1.62109375e-01, -5.49316406e-03, -1.97265625e-01,  1.00097656e-01,
        -2.04101562e-01,  4.79125977e-03, -2.07031250e-01,  2.53906250e-01,
         3.75976562e-02, -1.54296875e-01, -2.69531250e-01, -9.03320312e-0
2],
       dtype=float32),
 'baker': array([-1.62109375e-01,  9.33837891e-03, -1.72851562e-01,  1.6406
2500e-01,
         2.18750000e-01,  2.89062500e-01,  5.07812500e-02, -2.57812500e-01,
        -2.92968750e-01, -6.59179688e-02,  5.76171875e-02,  1.17797852e-02,
        -7.86132812e-02, -1.13281250e-01, -1.61132812e-01,  2.31445312e-01,
         8.00781250e-02, -6.20117188e-02,  2.28271484e-02, -2.35351562e-01,
         1.00585938e-01,  8.00781250e-02,  2.44140625e-01, -6.25000000e-02,
         1.67968750e-01, -2.85156250e-01, -5.34667969e-02,  7.12890625e-02,
        -1.31835938e-01, -2.40478516e-02,  3.22265625e-02, -1.27929688e-01,
         2.31933594e-02,  1.76757812e-01, -2.15820312e-01,  4.11987305e-03,
         4.00390625e-01,  4.54101562e-02,  3.51562500e-02,  1.48437500e-01,
         1.06933594e-01, -1.00097656e-01,  1.08886719e-01,  9.22851562e-02,
         9.61914062e-02,  2.60925293e-03, -1.64062500e-01,  2.11914062e-01,
        -1.18164062e-01,  1.46484375e-02, -7.91015625e-02,  1.03027344e-01,
         3.29589844e-03, -3.51562500e-02, -3.53515625e-01, -3.65234375e-01,
         2.53906250e-01, -6.44683838e-04, -5.11718750e-01, -1.65039062e-01,
         1.04980469e-01,  1.26953125e-01, -1.62109375e-01,  2.13867188e-01,
         2.71484375e-01,  5.39550781e-02, -3.80859375e-02, -1.53320312e-01,
        -1.65039062e-01, -1.51977539e-02,  3.55468750e-01,  3.78417969e-02,
        -3.51562500e-01,  1.13769531e-01, -9.57031250e-02,  2.41210938e-01,
        -1.15234375e-01, -4.71191406e-02,  6.83593750e-03, -2.30468750e-01,
         3.14453125e-01,  7.47070312e-02, -2.92968750e-02, -7.42187500e-02,
         1.77001953e-02, -8.93554688e-02, -5.44433594e-02,  2.04101562e-01,
         9.47265625e-02, -2.16796875e-01, -4.39453125e-02, -2.91015625e-01,
        -7.73437500e-01,  7.76367188e-02, -3.58886719e-02, -1.83593750e-01,
        -1.44531250e-01, -2.94189453e-02, -6.25000000e-02, -2.83203125e-01,
        -1.22558594e-01, -4.29687500e-01,  1.15722656e-01,  8.49609375e-02,
         3.95507812e-02, -2.71484375e-01,  1.28173828e-02,  3.30078125e-01,
        -2.98828125e-01, -2.12890625e-01,  1.34765625e-01, -2.26562500e-01,
        -2.89062500e-01, -1.95312500e-01, -8.88671875e-02,  1.04980469e-02,
        -3.86718750e-01, -5.88378906e-02, -3.56445312e-02, -1.56250000e-01,
         3.10546875e-01,  1.66992188e-01,  9.21630859e-03, -2.10937500e-01,
         5.73730469e-02, -6.73828125e-02, -2.15820312e-01, -9.47265625e-02,
        -1.28906250e-01,  5.02929688e-02, -1.50390625e-01,  1.29882812e-01,
        -5.51757812e-02,  2.96630859e-02, -2.49023438e-02,  4.37011719e-02,
        -3.12500000e-01, -2.00195312e-01,  2.11914062e-01,  1.42822266e-02,
        -4.61425781e-02, -1.65039062e-01,  5.24902344e-02, -1.91406250e-01,
        -7.17773438e-02,  1.61132812e-01, -2.27539062e-01, -1.11816406e-01,
```

```
        -3.16406250e-01, -1.11083984e-02,  2.22167969e-02, -8.93554688e-02,
        -6.03027344e-02,  2.26562500e-01, -1.09863281e-01, -3.19824219e-02,
        -6.05468750e-02,  1.47460938e-01, -3.14453125e-01, -5.88989258e-03,
        -2.05078125e-01,  1.55273438e-01,  1.01562500e-01,  7.08007812e-03,
        -3.66210938e-02, -5.32226562e-02,  2.29492188e-01, -2.19726562e-01,
         1.76757812e-01, -2.14843750e-01, -1.98242188e-01,  8.93554688e-02,
         3.10058594e-02, -3.80859375e-01, -1.93359375e-01,  2.98828125e-01,
         2.47070312e-01,  1.58691406e-02,  5.39062500e-01,  1.32812500e-01,
         1.58203125e-01, -2.67578125e-01, -1.05590820e-02, -1.37695312e-01,
        -2.35595703e-02,  1.38671875e-01,  1.41601562e-01,  1.35742188e-01,
        -3.41796875e-02,  3.10546875e-01, -1.08886719e-01,  3.39843750e-01,
         3.02734375e-01,  1.20605469e-01, -2.02636719e-02,  1.14746094e-02,
        -1.39648438e-01,  6.25000000e-02, -4.83398438e-02, -1.55273438e-01,
        -4.96093750e-01, -5.68847656e-02,  6.93359375e-02, -1.06445312e-01,
        -7.12890625e-02, -4.61425781e-02, -1.42578125e-01,  2.57812500e-01,
         4.95605469e-02, -1.83593750e-01, -9.91210938e-02, -1.23535156e-01,
         3.14453125e-01,  3.71093750e-01,  6.00585938e-02, -1.20605469e-01,
        -3.61328125e-01,  8.78906250e-02, -5.66406250e-02,  2.67578125e-01,
         3.96484375e-01, -2.29492188e-02,  1.13281250e-01, -2.01171875e-01,
        -5.49316406e-03, -5.34667969e-02,  4.63867188e-02, -2.36328125e-01,
        -6.49414062e-02, -1.66992188e-01,  1.66992188e-01, -2.50000000e-01,
        -2.55859375e-01,  2.32421875e-01, -4.73632812e-02, -3.59375000e-01,
         4.41406250e-01, -1.04980469e-01, -3.16406250e-01,  8.00781250e-02,
         2.57812500e-01, -2.16796875e-01, -4.39453125e-02,  1.34765625e-01,
         1.48437500e-01, -1.54296875e-01, -2.40234375e-01, -8.78906250e-02,
        -8.10546875e-02, -2.41210938e-01, -1.03515625e-01,  2.95410156e-02,
         3.28125000e-01,  2.13623047e-02, -8.78906250e-02,  9.91210938e-02,
        -2.88085938e-02, -2.71484375e-01, -1.05468750e-01, -2.55126953e-02,
         6.64062500e-02,  1.69677734e-02, -3.86718750e-01, -5.32226562e-02,
        -4.51660156e-02,  9.91210938e-02,  2.44140625e-02,  6.07910156e-02,
        -1.79687500e-01, -1.93359375e-01,  5.29785156e-02,  3.54003906e-02,
        -3.12805176e-03,  1.13281250e-01,  1.66015625e-02, -4.51660156e-02,
        -2.28515625e-01, -7.51953125e-02, -1.03515625e-01, -1.25976562e-01,
        -5.76171875e-02, -1.19018555e-03, -1.02050781e-01,  3.84765625e-01,
         5.46875000e-02,  4.73632812e-02, -2.63671875e-01,  2.45117188e-01,
        -1.78222656e-02,  4.02343750e-01, -8.20312500e-02, -1.36718750e-01,
        -2.92968750e-01, -2.61230469e-02, -1.23046875e-01,  1.26953125e-02,
         6.54296875e-02,  4.17480469e-02,  1.33789062e-01, -2.19726562e-0
2],
       dtype=float32),
 'hughes': array([-0.13769531,  0.01434326,  0.13085938,  0.23242188,  0.07
324219,
        -0.13769531, -0.05786133, -0.19824219, -0.01098633, -0.14941406,
        -0.12890625, -0.10302734, -0.45117188, -0.07324219, -0.10302734,
         0.09570312,  0.171875  ,  0.21777344, -0.09130859, -0.03393555,
        -0.12353516, -0.14746094,  0.4296875 , -0.28125   , -0.10839844,
         0.03344727, -0.04272461,  0.12109375,  0.10595703,  0.19433594,
        -0.12011719,  0.34960938,  0.11962891, -0.10986328, -0.02380371,
         0.00326538, -0.3046875 ,  0.34570312,  0.17382812,  0.03063965,
        -0.06542969, -0.19042969,  0.54296875,  0.16699219,  0.20996094,
         0.03710938,  0.3046875 , -0.16992188, -0.26367188,  0.03271484,
        -0.01342773,  0.04736328, -0.01086426, -0.07080078, -0.18652344,
         0.19628906,  0.08984375,  0.03466797, -0.07421875, -0.0378418 ,
        -0.00570679, -0.04174805, -0.15429688, -0.03051758, -0.10449219,
        -0.4921875 , -0.0177002 , -0.14453125,  0.04882812,  0.39648438,
         0.00457764,  0.34570312, -0.04248047, -0.05444336, -0.34570312,
         0.00637817,  0.07324219, -0.22851562, -0.06445312, -0.15136719,
        -0.20605469,  0.18457031, -0.01611328, -0.2734375 ,  0.140625  ,
         0.15234375,  0.24023438,  0.23535156, -0.14941406, -0.04663086,
        -0.00527954,  0.02990723, -0.30664062, -0.11914062, -0.11083984,
         0.01519775,  0.09619141, -0.05957031,  0.3359375 , -0.08251953,
        -0.20605469, -0.08349609,  0.26757812,  0.17089844, -0.00469971,
         0.31835938, -0.13378906,  0.25195312,  0.15136719, -0.01116943,
         0.03833008, -0.11816406, -0.10449219,  0.00543213,  0.13671875,
```

```
         0.24902344, -0.4140625 , -0.23339844,  0.0612793 , -0.04418945,
        -0.078125  , -0.10107422, -0.16015625,  0.00588989,  0.14941406,
        -0.17285156, -0.359375  ,  0.02758789,  0.26757812, -0.1484375 ,
        -0.17382812, -0.02453613,  0.1640625 ,  0.04418945, -0.15722656,
        -0.01818848, -0.20703125, -0.06542969,  0.13183594,  0.09667969,
         0.53125   , -0.15625   ,  0.24511719, -0.08007812, -0.03735352,
         0.20019531, -0.22753906, -0.08886719, -0.03100586, -0.0032196 ,
         0.31640625, -0.27539062, -0.34570312, -0.06982422, -0.10888672,
        -0.07177734,  0.09179688,  0.22363281, -0.01318359, -0.07128906,
         0.19921875,  0.09814453, -0.015625  ,  0.05322266, -0.05639648,
        -0.3359375 ,  0.22363281, -0.20507812, -0.28515625,  0.14550781,
        -0.23828125, -0.04174805, -0.07324219, -0.00262451, -0.04541016,
         0.07275391,  0.16113281, -0.35742188,  0.265625  ,  0.07714844,
        -0.04614258,  0.17382812,  0.05688477,  0.03955078, -0.21679688,
         0.01745605,  0.08837891, -0.07763672,  0.27929688, -0.09179688,
         0.02185059,  0.12451172, -0.08789062, -0.18457031,  0.24414062,
         0.04858398, -0.34375   ,  0.12890625, -0.04833984, -0.0018692 ,
        -0.3203125 ,  0.02905273, -0.08935547, -0.05200195,  0.06542969,
        -0.16796875,  0.05664062,  0.04858398, -0.12695312,  0.23730469,
         0.2734375 ,  0.06884766, -0.33789062, -0.16601562, -0.33789062,
        -0.05297852,  0.15234375, -0.20410156,  0.19140625,  0.02624512,
        -0.24707031,  0.0111084 ,  0.17285156, -0.02026367, -0.02636719,
         0.05126953,  0.15820312,  0.07519531,  0.08984375, -0.29296875,
         0.01831055, -0.0201416 ,  0.10742188,  0.07666016,  0.03125   ,
         0.17578125, -0.04418945, -0.13183594, -0.12060547,  0.13574219,
         0.296875  , -0.00288391,  0.06176758, -0.05053711, -0.22949219,
        -0.01251221, -0.02148438,  0.00512695, -0.12109375, -0.00108337,
         0.20605469,  0.22167969, -0.02160645,  0.18554688,  0.09814453,
        -0.19042969, -0.16015625,  0.19238281, -0.12451172, -0.08105469,
         0.11621094,  0.01928711,  0.10302734, -0.05102539,  0.03295898,
        -0.0546875 , -0.30664062, -0.07470703,  0.17480469, -0.11572266,
        -0.41015625, -0.13574219, -0.06787109,  0.14941406, -0.03369141,
        -0.1796875 ,  0.00427246, -0.01782227,  0.07568359,  0.18554688,
        -0.13085938,  0.11669922,  0.14941406,  0.09130859, -0.20019531,
         0.13085938,  0.26757812, -0.12890625,  0.25195312, -0.08154297,
         0.01177979,  0.12890625,  0.04443359,  0.20214844, -0.2734375 ,
        -0.06298828, -0.13476562, -0.3203125 , -0.15429688,  0.18164062],
       dtype=float32),
 'assessing': array([-0.15820312,  0.09619141, -0.012146  , -0.13769531,
0.12695312,
         0.1640625 ,  0.03369141, -0.22558594,  0.27734375, -0.26953125,
         0.02355957, -0.09716797,  0.12695312,  0.31445312,  0.05102539,
        -0.09619141, -0.40039062,  0.12792969, -0.1484375 , -0.171875  ,
        -0.11035156, -0.13085938, -0.45703125,  0.02197266,  0.21777344,
        -0.10400391, -0.28125   , -0.02026367, -0.00540161,  0.18554688,
        -0.18652344, -0.15332031, -0.13476562,  0.2578125 , -0.11865234,
        -0.09912109, -0.1953125 , -0.10351562,  0.26367188,  0.09521484,
        -0.01208496, -0.02539062,  0.00291443,  0.05761719, -0.19140625,
        -0.08642578,  0.06640625,  0.11621094,  0.00335693,  0.30859375,
         0.20019531,  0.06787109, -0.12988281, -0.09863281, -0.08154297,
         0.21386719, -0.10253906, -0.265625  ,  0.14550781,  0.15332031,
        -0.30664062,  0.38671875,  0.15234375, -0.18261719,  0.11132812,
         0.10400391,  0.13476562,  0.11669922, -0.09619141, -0.42773438,
        -0.09863281,  0.02172852,  0.12451172, -0.07666016, -0.15136719,
        -0.23632812,  0.19140625, -0.0112915 , -0.07519531,  0.41015625,
        -0.12011719, -0.140625  , -0.25585938,  0.16210938,  0.15039062,
        -0.14941406, -0.05957031,  0.171875  ,  0.00939941,  0.03051758,
         0.11523438, -0.140625  ,  0.09814453,  0.4140625 , -0.07177734,
         0.12353516,  0.03759766, -0.21289062,  0.08642578,  0.01068115,
         0.07958984, -0.16601562,  0.25390625,  0.02368164, -0.00408936,
         0.27539062,  0.05200195, -0.0859375 ,  0.18945312, -0.18945312,
         0.11669922,  0.08349609, -0.171875  , -0.04223633,  0.00427246,
         0.02453613,  0.25195312,  0.19726562,  0.2109375 ,  0.15820312,
        -0.20800781,  0.09375   , -0.37109375,  0.18847656, -0.12988281,
```

```
         0.09912109, -0.35546875, -0.0402832 , -0.23535156,  0.19335938,
         0.10742188, -0.2734375 , -0.3046875 , -0.15722656, -0.07666016,
        -0.10302734,  0.0324707 ,  0.06542969,  0.11181641,  0.13476562,
         0.08056641,  0.22265625, -0.16699219,  0.07666016,  0.14746094,
        -0.11181641, -0.05957031, -0.21777344, -0.04858398,  0.13964844,
        -0.34375   , -0.00610352, -0.13476562,  0.0546875 ,  0.10253906,
        -0.07568359,  0.0625    , -0.08447266, -0.07275391,  0.17675781,
         0.15722656,  0.09082031,  0.09570312, -0.08740234,  0.01928711,
         0.1875    ,  0.3046875 , -0.05810547,  0.18554688, -0.06738281,
        -0.00854492, -0.06298828,  0.0480957 ,  0.21289062,  0.13769531,
        -0.07763672,  0.51953125, -0.07324219, -0.26171875,  0.08349609,
         0.03759766,  0.16113281,  0.12695312, -0.02856445, -0.12792969,
        -0.07373047, -0.32226562,  0.09619141, -0.13476562,  0.18261719,
        -0.44921875,  0.16894531,  0.07275391, -0.1484375 , -0.09765625,
        -0.04711914,  0.12402344, -0.328125  ,  0.11328125,  0.00518799,
         0.03735352,  0.23242188, -0.05810547, -0.14453125, -0.2578125 ,
         0.08007812, -0.14648438,  0.15136719,  0.18457031, -0.234375  ,
         0.21875   , -0.05566406, -0.14453125, -0.06005859, -0.15429688,
        -0.14550781, -0.05957031,  0.03369141,  0.11181641,  0.05517578,
         0.13183594,  0.11230469, -0.14160156, -0.17578125,  0.1640625 ,
        -0.13476562,  0.0291748 ,  0.08740234, -0.14746094, -0.07617188,
        -0.07763672, -0.16308594, -0.04541016,  0.00221252,  0.08496094,
        -0.25390625,  0.05566406, -0.37304688, -0.23046875, -0.03735352,
        -0.18261719,  0.15429688, -0.06933594,  0.11523438, -0.26953125,
        -0.13964844, -0.04003906, -0.05834961,  0.01452637, -0.20800781,
        -0.24316406,  0.15136719, -0.01123047,  0.01190186, -0.05834961,
        -0.07177734, -0.11425781,  0.29882812, -0.03759766,  0.02258301,
        -0.18359375, -0.08398438, -0.08544922, -0.01416016,  0.06396484,
        -0.03271484,  0.0625    , -0.05297852, -0.10498047, -0.07958984,
        -0.01672363,  0.3125    ,  0.11376953, -0.0098877 , -0.06738281,
         0.06494141, -0.00750732, -0.07373047, -0.07861328,  0.11962891,
        -0.03466797, -0.09765625, -0.00357056, -0.10351562,  0.09716797,
        -0.04394531, -0.01293945,  0.3984375 ,  0.33789062, -0.01019287,
        -0.10205078,  0.04174805,  0.06396484, -0.04248047, -0.19628906,
         0.06396484,  0.07861328,  0.08837891, -0.06103516,  0.16015625],
       dtype=float32),
 'reliability': array([-6.15234375e-02,  1.06933594e-01,  2.60925293e-03, -
1.07910156e-01,
         1.12792969e-01,  2.26562500e-01,  5.12695312e-02, -1.26953125e-01,
         5.03906250e-01,  6.21093750e-01, -8.88671875e-02,  8.64257812e-02,
         1.71875000e-01,  2.29492188e-01, -6.39648438e-02,  2.67028809e-03,
        -4.63867188e-02, -1.80664062e-01, -4.17480469e-02,  2.90527344e-02,
        -1.05957031e-01, -5.07812500e-02, -3.12500000e-01,  4.55078125e-01,
         8.88671875e-02, -1.91406250e-01, -2.50000000e-01, -6.54296875e-02,
        -2.24304199e-03, -4.76074219e-02,  1.26953125e-01, -1.41601562e-01,
        -3.05175781e-02,  1.83105469e-02,  6.83593750e-02, -1.54296875e-01,
        -8.34960938e-02, -1.22558594e-01,  5.76171875e-02,  2.40478516e-02,
        -3.43750000e-01,  2.08740234e-02, -5.02929688e-02,  4.83398438e-02,
        -1.01074219e-01, -1.50390625e-01, -7.27539062e-02,  7.32421875e-02,
         8.78906250e-02,  2.65625000e-01, -1.69921875e-01,  2.38281250e-01,
        -2.53906250e-01, -7.17773438e-02,  3.95507812e-02,  3.35937500e-01,
        -4.49218750e-02,  8.10546875e-02,  3.44238281e-02, -6.59179688e-02,
         2.47070312e-01,  5.88989258e-03, -2.96875000e-01, -2.28271484e-02,
         3.18359375e-01,  8.25195312e-02, -1.97265625e-01,  1.48437500e-01,
         3.71093750e-02,  2.16796875e-01,  5.17578125e-02, -7.03125000e-02,
        -8.78906250e-02, -4.49218750e-01, -4.51171875e-01, -1.74804688e-01,
        -2.46093750e-01, -3.70788574e-03,  2.19726562e-01,  2.38281250e-01,
         6.17675781e-02,  2.49023438e-01, -7.51953125e-02, -2.77343750e-01,
         1.04980469e-01, -3.44238281e-02, -1.38671875e-01,  3.32031250e-01,
        -2.42187500e-01,  2.53906250e-01,  4.14062500e-01, -1.41601562e-01,
        -6.93359375e-02,  1.65039062e-01,  9.82666016e-03, -1.68945312e-01,
        -3.65234375e-01, -5.71289062e-02,  1.87500000e-01,  2.66113281e-02,
         5.00000000e-01, -1.39160156e-02,  1.55273438e-01, -7.61718750e-02,
        -1.27929688e-01,  1.15234375e-01, -8.05664062e-02,  3.76953125e-01,
```

```
        -1.64062500e-01, -5.22460938e-02,  1.51367188e-01,  5.32226562e-02,
        -8.30078125e-02,  3.00781250e-01, -8.34960938e-02,  6.92749023e-03,
         3.51562500e-02,  2.73437500e-02,  1.40625000e-01, -6.68945312e-02,
        -2.98828125e-01,  2.48046875e-01, -6.44531250e-02,  1.04980469e-01,
         2.59765625e-01, -1.91650391e-02, -2.02148438e-01, -7.03125000e-02,
        -1.13281250e-01, -9.52148438e-02, -1.75781250e-01,  2.55859375e-01,
        -1.43554688e-01,  2.92968750e-02,  7.61718750e-02, -3.16406250e-01,
         4.80468750e-01, -1.31835938e-01, -1.11083984e-02,  1.27929688e-01,
        -1.00097656e-02, -2.92968750e-02,  1.90429688e-01,  4.08203125e-01,
        -9.17968750e-02, -4.78515625e-02,  1.43554688e-01, -1.11816406e-01,
         5.07812500e-02, -1.35498047e-02, -8.30078125e-02, -7.56835938e-02,
        -1.57226562e-01, -2.77343750e-01, -1.30859375e-01, -6.03027344e-02,
         1.23535156e-01,  2.39257812e-01, -1.74804688e-01, -2.92968750e-01,
        -3.61328125e-01, -1.10839844e-01, -6.83593750e-02,  3.73046875e-01,
        -1.03759766e-02, -1.04003906e-01, -2.45117188e-01,  1.53320312e-01,
         8.54492188e-02, -2.61230469e-02,  1.12304688e-01, -6.93359375e-02,
         9.82666016e-03, -2.01171875e-01, -1.19628906e-01, -1.75781250e-01,
         7.32421875e-02, -1.81640625e-01, -1.93359375e-01, -3.19824219e-02,
        -3.71093750e-01, -3.97949219e-02,  4.22363281e-02, -2.08984375e-01,
         1.84570312e-01, -2.71484375e-01, -1.78710938e-01, -2.15820312e-01,
        -1.75781250e-01,  2.20703125e-01, -1.56250000e-01,  7.08007812e-02,
        -1.93359375e-01, -1.04370117e-02, -1.12792969e-01, -6.00585938e-02,
         4.60937500e-01,  8.72802734e-03,  6.78710938e-02, -3.43750000e-01,
        -7.32421875e-02,  3.73046875e-01,  3.37600708e-04,  2.34375000e-01,
        -4.17480469e-02,  1.13525391e-02, -2.81250000e-01, -2.41210938e-01,
         8.36181641e-03,  2.07519531e-03, -8.15429688e-02, -3.82812500e-01,
         1.13769531e-01, -9.61914062e-02, -1.66015625e-01, -2.71484375e-01,
         2.12890625e-01,  9.52148438e-02, -5.19531250e-01,  1.04003906e-01,
        -2.08984375e-01, -5.78613281e-02,  2.25830078e-02,  1.46484375e-01,
        -9.71679688e-02, -7.42187500e-02,  8.88671875e-02, -5.00488281e-02,
         1.77001953e-02, -2.59765625e-01, -3.06640625e-01, -4.85839844e-02,
         2.06054688e-01,  4.15039062e-03, -4.25781250e-01,  1.61132812e-01,
        -2.18750000e-01, -5.82885742e-03,  9.96093750e-02, -7.27539062e-02,
        -2.91015625e-01, -2.55859375e-01, -2.51953125e-01,  4.44335938e-02,
         1.90429688e-01, -1.45507812e-01, -1.40625000e-01,  2.11181641e-02,
         1.87500000e-01,  1.10839844e-01, -1.94335938e-01,  1.74804688e-01,
        -1.20605469e-01,  7.81250000e-02, -1.08398438e-01, -1.38671875e-01,
         2.73437500e-01, -1.41601562e-02, -1.65039062e-01, -1.20849609e-02,
         3.33984375e-01, -1.09863281e-01, -1.57470703e-02,  6.77490234e-03,
         1.44531250e-01,  9.27734375e-02,  1.25000000e-01, -4.19921875e-01,
        -1.23535156e-01, -1.78710938e-01, -1.10839844e-01, -1.31835938e-01,
        -2.27539062e-01, -1.23291016e-02, -2.29492188e-01, -1.98242188e-01,
         6.86645508e-03, -2.37304688e-01, -4.06250000e-01, -2.80761719e-02,
         3.68652344e-02,  2.23632812e-01,  3.94531250e-01, -1.21582031e-01,
        -1.78710938e-01, -1.44531250e-01,  1.51367188e-01, -6.68945312e-02,
        -1.40625000e-01, -2.40478516e-02,  8.74023438e-02,  2.51953125e-01,
        -3.04687500e-01,  2.89062500e-01, -4.98046875e-02, -4.63867188e-03,
        -3.80859375e-02,  2.13623047e-02,  4.19921875e-02, -2.78320312e-0
2],
       dtype=float32),
 'critical': array([ 0.04272461, -0.125     , -0.03442383, -0.171875  , -0.
14453125,
         0.02624512,  0.16015625, -0.07128906,  0.15039062, -0.11474609,
        -0.0703125 , -0.10107422,  0.07666016,  0.2578125 , -0.06030273,
        -0.0402832 , -0.06982422, -0.10351562, -0.10205078,  0.22949219,
        -0.07177734, -0.11376953, -0.20019531,  0.20605469,  0.04467773,
         0.04174805,  0.05541992, -0.11035156,  0.16113281, -0.1484375 ,
         0.20507812,  0.03271484,  0.13964844, -0.21582031, -0.03710938,
        -0.0534668 , -0.11230469,  0.08544922,  0.11523438, -0.09814453,
         0.03344727, -0.02783203,  0.1796875 ,  0.1328125 ,  0.01062012,
        -0.09375   , -0.09130859, -0.10449219, -0.03051758,  0.19921875,
         0.12011719,  0.07080078, -0.23046875,  0.16894531, -0.18652344,
         0.08496094,  0.04418945,  0.01416016,  0.25390625,  0.12255859,
        -0.16210938,  0.27148438, -0.1484375 , -0.13476562,  0.17578125,
```

```
         0.13867188,  0.02905273,  0.15917969, -0.16210938, -0.10058594,
        -0.21972656, -0.17285156,  0.07958984, -0.16992188, -0.1796875 ,
         0.00104523, -0.00244141,  0.15527344,  0.00665283,  0.4140625 ,
         0.14746094,  0.25195312,  0.20507812, -0.15527344, -0.06152344,
        -0.24023438, -0.08300781, -0.09472656, -0.08935547,  0.00946045,
         0.13183594, -0.21289062,  0.19335938, -0.18164062, -0.06396484,
        -0.24511719,  0.0534668 , -0.1171875 , -0.078125  ,  0.10986328,
         0.04248047,  0.06933594,  0.06835938, -0.33007812, -0.23339844,
        -0.02038574,  0.03979492, -0.12207031,  0.11425781,  0.01000977,
        -0.17578125, -0.05737305, -0.29882812,  0.0055542 ,  0.19433594,
         0.09863281,  0.18359375,  0.15234375,  0.265625  ,  0.0534668 ,
        -0.13378906,  0.07666016,  0.02880859,  0.03808594, -0.18359375,
        -0.26367188,  0.06933594,  0.11523438, -0.13085938,  0.11181641,
         0.13769531,  0.03198242, -0.14160156,  0.01391602,  0.07617188,
        -0.11425781,  0.02453613, -0.16308594,  0.02026367,  0.20996094,
         0.18652344,  0.06982422,  0.296875  , -0.03613281, -0.13769531,
        -0.24707031,  0.09716797,  0.13378906,  0.02941895, -0.09423828,
         0.12695312,  0.078125  , -0.01251221,  0.28125   , -0.14648438,
        -0.04663086, -0.00125885, -0.01574707, -0.23339844, -0.1953125 ,
        -0.13769531, -0.02832031,  0.10253906,  0.00228882, -0.03039551,
        -0.11865234, -0.19921875, -0.29492188,  0.15722656, -0.10888672,
         0.10742188, -0.05761719, -0.0246582 , -0.20214844,  0.13769531,
         0.07666016, -0.07324219, -0.13964844, -0.296875  , -0.05297852,
        -0.19042969,  0.01904297, -0.15527344, -0.11376953,  0.08496094,
         0.12207031, -0.35546875,  0.03759766, -0.14550781,  0.08007812,
         0.04077148, -0.10546875,  0.05175781, -0.09277344, -0.15527344,
        -0.17089844,  0.0402832 , -0.31054688, -0.08154297,  0.05419922,
        -0.02636719,  0.10498047,  0.11914062, -0.02172852,  0.07275391,
        -0.18066406,  0.00320435, -0.07470703, -0.01300049, -0.3046875 ,
        -0.09619141,  0.09521484, -0.06835938,  0.14941406, -0.10107422,
        -0.12402344,  0.21679688,  0.0324707 ,  0.10449219,  0.13574219,
         0.06884766,  0.21875   , -0.01190186, -0.24414062,  0.20898438,
        -0.12109375,  0.08789062, -0.04907227, -0.01611328, -0.11328125,
        -0.27539062,  0.00735474,  0.04150391, -0.09326172, -0.02502441,
        -0.23535156, -0.01531982, -0.06640625, -0.18066406,  0.03369141,
        -0.07128906,  0.18261719, -0.11523438, -0.171875  , -0.05737305,
        -0.00982666, -0.1171875 ,  0.16894531,  0.15136719, -0.06640625,
        -0.09130859,  0.15136719,  0.01660156,  0.24511719, -0.10400391,
        -0.18164062,  0.09228516,  0.12890625, -0.24609375, -0.1796875 ,
        -0.15527344, -0.17089844, -0.11181641,  0.1875    ,  0.16992188,
         0.04907227, -0.07470703, -0.11962891, -0.16796875, -0.12402344,
        -0.13378906,  0.05371094, -0.16113281, -0.02429199, -0.11035156,
        -0.109375  ,  0.10205078, -0.04077148, -0.28320312,  0.14160156,
        -0.1328125 ,  0.11523438,  0.0291748 ,  0.22753906,  0.05273438,
        -0.00775146, -0.09667969,  0.00384521, -0.0111084 , -0.15234375,
        -0.02600098, -0.03393555,  0.03735352,  0.01208496, -0.03125   ,
         0.16992188, -0.14355469,  0.13769531,  0.07617188,  0.17382812],
       dtype=float32),
 'asset': array([ 0.00144958,  0.17871094,  0.12988281, -0.08056641,  0.049
31641,
         0.10546875,  0.10546875, -0.16894531,  0.46289062,  0.08251953,
        -0.10351562, -0.0625    ,  0.12304688,  0.05688477, -0.08935547,
         0.10351562, -0.11474609,  0.10986328, -0.03979492, -0.1484375 ,
        -0.06982422, -0.22753906,  0.06298828,  0.10058594,  0.16503906,
         0.00325012,  0.00842285,  0.08203125, -0.01068115,  0.08398438,
         0.20507812, -0.07714844,  0.02502441, -0.01062012,  0.24121094,
         0.25195312,  0.14453125, -0.30078125,  0.02697754,  0.17285156,
        -0.03320312, -0.1875    ,  0.24804688, -0.03466797, -0.38671875,
        -0.08984375, -0.11083984,  0.109375  ,  0.12060547, -0.06591797,
        -0.01190186, -0.12890625, -0.24609375, -0.07275391,  0.11279297,
         0.14257812, -0.06982422,  0.12011719,  0.14257812, -0.16113281,
        -0.0035553 , -0.01049805,  0.0222168 , -0.08984375, -0.33203125,
        -0.03295898, -0.08203125,  0.01452637, -0.09960938, -0.05517578,
        -0.13574219, -0.23925781,  0.33007812, -0.08056641, -0.02526855,
```

```
         0.08398438,  0.11523438,  0.12890625, -0.10205078, -0.12988281,
        -0.08837891,  0.00708008,  0.26367188,  0.23242188,  0.28515625,
         0.02209473, -0.31640625, -0.01196289,  0.078125  , -0.07666016,
         0.06494141, -0.25      , -0.02990723,  0.29296875, -0.04174805,
        -0.30273438,  0.03735352,  0.14941406,  0.15039062, -0.296875  ,
         0.1328125 ,  0.17675781,  0.08349609,  0.09619141,  0.08105469,
         0.09228516,  0.03833008, -0.04931641,  0.11328125,  0.13867188,
        -0.06298828,  0.07714844, -0.30859375,  0.13183594,  0.04296875,
         0.265625  , -0.22460938, -0.05810547,  0.08203125, -0.21484375,
         0.20019531, -0.1796875 , -0.0625    ,  0.19824219,  0.05810547,
        -0.09765625, -0.11279297, -0.01074219,  0.21484375,  0.13574219,
        -0.15136719,  0.01147461,  0.00848389,  0.03369141, -0.09277344,
        -0.14648438,  0.08642578, -0.01037598, -0.15332031,  0.23632812,
         0.13378906, -0.23925781,  0.04663086,  0.18457031,  0.17578125,
        -0.16894531,  0.04858398,  0.07421875,  0.01184082,  0.08007812,
         0.23925781,  0.23242188, -0.11181641,  0.19042969,  0.09912109,
         0.08496094,  0.17382812, -0.0222168 , -0.06884766, -0.09619141,
         0.19628906,  0.08300781,  0.20019531,  0.12890625, -0.26953125,
         0.00488281, -0.19042969, -0.18164062, -0.02490234, -0.05004883,
        -0.25      , -0.23632812, -0.06079102, -0.15429688,  0.09765625,
         0.09667969,  0.02355957, -0.19042969,  0.13085938, -0.22753906,
        -0.203125  , -0.33984375, -0.0612793 ,  0.140625  ,  0.1015625 ,
        -0.21582031,  0.08740234,  0.39257812,  0.20703125,  0.13574219,
        -0.36523438, -0.18261719, -0.17285156,  0.00741577, -0.36132812,
         0.01721191, -0.17675781,  0.12304688,  0.171875  , -0.40820312,
        -0.23925781, -0.11767578, -0.00430298, -0.24121094, -0.22851562,
        -0.20019531, -0.21484375,  0.25390625,  0.21386719,  0.05029297,
        -0.12597656,  0.0390625 , -0.06787109, -0.07763672, -0.02392578,
        -0.00765991, -0.0703125 ,  0.0135498 ,  0.06933594, -0.23339844,
         0.25976562,  0.02246094,  0.00982666,  0.04418945, -0.1328125 ,
         0.05761719,  0.21484375, -0.11816406, -0.15722656, -0.23144531,
        -0.06494141,  0.25585938, -0.29296875, -0.29296875, -0.02893066,
         0.0378418 ,  0.0144043 , -0.43945312,  0.08691406, -0.03222656,
        -0.11523438, -0.07324219,  0.02856445, -0.08007812, -0.06835938,
        -0.046875  ,  0.16894531, -0.24414062, -0.02661133,  0.05737305,
        -0.25976562, -0.1796875 , -0.3125    ,  0.24804688, -0.02734375,
        -0.140625  , -0.3046875 ,  0.16992188, -0.17871094, -0.10595703,
         0.07910156, -0.16210938,  0.15234375, -0.03149414, -0.00933838,
        -0.10644531, -0.15332031, -0.03320312, -0.375     , -0.18945312,
        -0.22949219,  0.16503906, -0.10302734, -0.0222168 ,  0.10839844,
         0.14550781,  0.35351562,  0.02001953, -0.10302734,  0.05126953,
         0.03613281, -0.08349609,  0.13378906,  0.02502441,  0.00102234,
        -0.01184082,  0.10839844,  0.13183594,  0.06030273, -0.02380371,
        -0.1875    ,  0.30078125, -0.01092529,  0.03808594, -0.16699219,
         0.02990723,  0.05224609,  0.18457031, -0.10791016, -0.25976562],
       dtype=float32),
 'industry': array([-1.08886719e-01, -2.48046875e-01, -1.24511719e-01, -1.7
9687500e-01,
         4.31537628e-05,  2.70996094e-02, -7.91015625e-02, -8.64257812e-02,
         6.25000000e-02,  3.71093750e-02, -1.52343750e-01,  2.47802734e-02,
        -1.05468750e-01, -4.27734375e-01, -2.21679688e-01,  3.22265625e-02,
         1.55273438e-01,  6.10351562e-02,  6.39648438e-02,  5.27954102e-03,
         7.17773438e-02,  3.24707031e-02, -2.29492188e-01, -5.39550781e-02,
         1.25976562e-01,  8.10546875e-02, -2.39257812e-02, -4.32128906e-02,
         1.91406250e-01, -2.08984375e-01,  6.78710938e-02, -1.78710938e-01,
        -5.00488281e-02,  8.78906250e-02,  1.42578125e-01,  8.54492188e-02,
         1.96533203e-02,  1.21582031e-01,  1.34765625e-01, -3.22265625e-02,
         6.68945312e-02, -3.02124023e-03,  8.64257812e-02, -4.66308594e-02,
        -1.35742188e-01, -2.02148438e-01, -6.25000000e-02,  9.27734375e-02,
        -3.39355469e-02,  7.08007812e-02,  1.98242188e-01, -1.63085938e-01,
        -1.45507812e-01, -6.44531250e-02,  3.37890625e-01,  2.04101562e-01,
         1.36718750e-01,  1.59912109e-02,  1.50390625e-01, -6.68945312e-02,
        -3.02734375e-01,  7.95898438e-02, -2.65625000e-01, -7.47070312e-02,
        -1.32812500e-01,  2.49023438e-02, -1.31835938e-01, -1.07910156e-01,
```

```
         2.92968750e-01,  5.44433594e-02, -4.02343750e-01,  2.37304688e-01,
         1.79687500e-01,  2.92968750e-02, -1.80664062e-01, -1.54296875e-01,
         6.12792969e-02,  3.00781250e-01, -1.55273438e-01,  4.93164062e-02,
        -3.88183594e-02, -3.35937500e-01, -1.01318359e-02,  1.48925781e-02,
        -3.46679688e-02,  1.28906250e-01, -7.08007812e-02,  4.10156250e-01,
        -1.68457031e-02,  1.22070312e-01,  5.15625000e-01,  1.78222656e-02,
        -1.74560547e-02, -1.08642578e-02, -1.34765625e-01, -1.31225586e-02,
         4.63867188e-02, -1.13281250e-01,  2.53906250e-01, -1.90429688e-01,
         3.39355469e-02,  2.49023438e-01, -1.73828125e-01, -9.61914062e-02,
        -3.02734375e-02, -1.91650391e-02, -1.88476562e-01,  1.02539062e-01,
         2.85156250e-01, -3.02734375e-01,  2.08740234e-02, -7.47070312e-02,
        -4.82177734e-03,  1.00585938e-01,  4.12109375e-01,  1.62109375e-01,
        -3.41796875e-02, -1.46484375e-01,  2.89062500e-01,  1.97265625e-01,
        -6.15234375e-02,  3.93066406e-02, -1.11328125e-01, -1.66992188e-01,
         2.28515625e-01, -2.33154297e-02, -1.08398438e-01,  3.83300781e-02,
        -1.56250000e-01,  9.08203125e-02, -1.59912109e-02,  2.00195312e-01,
        -3.19824219e-02, -2.02941895e-03, -1.72851562e-01,  2.39257812e-01,
         2.31445312e-01,  2.05078125e-02,  8.64257812e-02, -3.63769531e-02,
         1.18164062e-01, -1.91406250e-01, -2.24609375e-01,  2.28515625e-01,
         8.78906250e-02, -6.10351562e-02,  2.50000000e-01,  1.84570312e-01,
         7.32421875e-02, -5.73730469e-02, -6.22558594e-02,  7.22656250e-02,
        -6.98242188e-02,  6.73828125e-02, -3.08593750e-01, -8.88671875e-02,
         9.91210938e-02, -9.27734375e-02,  1.72851562e-01, -2.96875000e-01,
        -1.46484375e-02, -1.17675781e-01, -1.84326172e-02, -1.37695312e-01,
         1.82617188e-01,  6.39648438e-02, -2.25585938e-01, -2.44140625e-01,
         1.45507812e-01,  7.47070312e-02, -1.04492188e-01, -3.66210938e-02,
         2.31445312e-01, -1.59179688e-01, -6.64062500e-02, -3.67187500e-01,
         5.12695312e-02, -1.06933594e-01, -9.91210938e-02,  1.63574219e-02,
        -1.60156250e-01,  1.23901367e-02,  1.27929688e-01, -6.00585938e-02,
         4.62532043e-05, -1.71875000e-01,  3.58886719e-02, -2.04101562e-01,
        -7.86132812e-02,  3.02734375e-01, -7.42187500e-02, -2.55126953e-02,
         1.11328125e-01, -3.00781250e-01, -1.18164062e-01, -2.05993652e-03,
        -7.37304688e-02, -1.18652344e-01, -5.39550781e-02, -1.42578125e-01,
        -2.89062500e-01, -1.62109375e-01, -8.83789062e-02,  1.25976562e-01,
        -2.96875000e-01,  1.79687500e-01,  2.73437500e-01, -9.71679688e-02,
        -1.15722656e-01, -7.81250000e-02,  3.97949219e-02, -1.31225586e-02,
        -6.83593750e-02,  1.80664062e-01,  7.42187500e-02,  2.47070312e-01,
         1.30859375e-01,  2.77343750e-01, -3.11279297e-02, -6.54296875e-02,
        -1.68945312e-01, -4.61425781e-02, -5.46875000e-02,  2.10937500e-01,
        -8.83789062e-02, -2.12890625e-01,  4.73632812e-02, -2.15820312e-01,
         1.33789062e-01,  3.86047363e-03, -1.76757812e-01, -2.28515625e-01,
         4.44335938e-02, -2.65625000e-01, -1.04980469e-02,  1.77001953e-02,
         1.49414062e-01,  2.00195312e-02,  5.49316406e-02, -1.58691406e-02,
        -1.20605469e-01, -1.59179688e-01, -5.71289062e-02,  1.12792969e-01,
         3.14453125e-01, -4.24804688e-02,  3.27148438e-02, -1.60156250e-01,
         3.66210938e-02, -2.55859375e-01,  6.49414062e-02, -1.19140625e-01,
         8.93554688e-02, -2.33398438e-01, -8.05664062e-02, -1.25000000e-01,
         5.00488281e-03,  4.05273438e-02, -6.68945312e-02, -1.40625000e-01,
        -2.92968750e-01, -2.63671875e-01,  2.20703125e-01,  6.73828125e-02,
         4.51660156e-02,  1.82617188e-01, -2.20703125e-01, -6.39648438e-02,
        -1.43554688e-01, -6.07910156e-02, -1.44042969e-02,  3.79943848e-03,
         4.71191406e-02, -1.40625000e-01, -2.38281250e-01,  9.27734375e-02,
         4.46777344e-02,  1.56250000e-01,  6.83593750e-02, -1.81640625e-01,
        -3.14453125e-01, -9.71679688e-02,  2.61718750e-01,  4.27246094e-02,
        -6.15234375e-02, -1.05957031e-01, -9.57031250e-02, -2.18750000e-01,
         6.05468750e-02,  2.39257812e-01, -8.74023438e-02, -1.16699219e-01,
        -1.55273438e-01,  8.93554688e-02, -3.80859375e-02, -1.60156250e-01,
        -7.22656250e-02,  5.98144531e-02, -3.18908691e-03, -9.82666016e-0
3],
       dtype=float32),
 'employ': array([ 0.04321289,  0.05712891,  0.19238281, -0.03173828, -0.18
261719,
         0.15039062,  0.09277344,  0.1015625 ,  0.01916504,  0.08886719,
         0.05053711,  0.25585938, -0.18945312,  0.07519531,  0.11230469,
```

```
         0.10546875, -0.31640625,  0.29296875, -0.12255859, -0.00195312,
        -0.37304688, -0.05737305,  0.234375  , -0.01556396, -0.01245117,
         0.0279541 , -0.16503906, -0.09130859, -0.09570312, -0.19042969,
         0.14257812, -0.02587891, -0.20019531, -0.14257812,  0.26367188,
        -0.09033203,  0.01495361,  0.2109375 , -0.09863281, -0.18945312,
         0.5       ,  0.109375  ,  0.00952148, -0.03710938, -0.29882812,
        -0.23144531, -0.3359375 ,  0.02575684, -0.14746094,  0.29882812,
         0.00164032, -0.02941895,  0.1171875 , -0.21875   , -0.00650024,
        -0.31835938,  0.14355469, -0.21972656, -0.140625  , -0.01470947,
         0.1953125 , -0.08251953, -0.25      , -0.24121094, -0.06079102,
        -0.04321289, -0.1484375 ,  0.01501465,  0.18261719,  0.03491211,
        -0.11816406, -0.00952148,  0.25976562,  0.21777344,  0.04760742,
        -0.4140625 , -0.11083984, -0.05737305, -0.0177002 , -0.03930664,
        -0.15136719, -0.19433594,  0.00793457,  0.296875  ,  0.00799561,
         0.21972656, -0.05004883,  0.01965332, -0.01519775, -0.24023438,
         0.08496094, -0.06347656, -0.22949219, -0.02050781,  0.06933594,
        -0.09570312,  0.06787109,  0.09765625, -0.02526855,  0.06542969,
         0.078125  , -0.30273438, -0.02709961,  0.11328125,  0.11230469,
        -0.33203125, -0.10742188,  0.03295898,  0.01416016, -0.13183594,
        -0.11865234,  0.11035156, -0.31835938, -0.015625  ,  0.17480469,
         0.02905273,  0.17382812, -0.10742188,  0.13183594, -0.13964844,
         0.09716797, -0.02563477, -0.06640625,  0.09326172,  0.05151367,
        -0.20410156, -0.04516602, -0.23632812, -0.04492188,  0.02941895,
         0.10791016, -0.01281738,  0.15136719,  0.03637695,  0.07910156,
         0.06445312, -0.18554688,  0.046875  ,  0.04638672, -0.21289062,
         0.07128906, -0.15234375, -0.30859375,  0.00854492,  0.11962891,
         0.03955078, -0.07324219, -0.09960938,  0.09765625, -0.12695312,
         0.01940918,  0.01165771, -0.01904297,  0.02038574, -0.00390625,
         0.02587891, -0.25      , -0.08105469,  0.07128906, -0.3125    ,
         0.265625  ,  0.16503906, -0.265625  , -0.55859375,  0.03710938,
        -0.17285156, -0.11132812, -0.22753906, -0.0625    , -0.19921875,
        -0.10693359, -0.04638672, -0.03979492,  0.03466797,  0.14453125,
        -0.13769531,  0.1875    ,  0.11083984, -0.13769531,  0.00686646,
        -0.21972656, -0.25585938, -0.04003906, -0.19824219, -0.16503906,
        -0.09960938,  0.02319336, -0.08496094,  0.08203125,  0.09863281,
        -0.01538086,  0.1640625 , -0.02502441, -0.27539062, -0.20117188,
         0.02575684,  0.06298828, -0.22558594, -0.20019531, -0.09716797,
         0.19433594,  0.41015625, -0.06494141,  0.296875  , -0.44140625,
        -0.12207031,  0.05566406,  0.16308594,  0.14746094,  0.03271484,
         0.38085938,  0.00139618,  0.19628906,  0.12255859,  0.15917969,
        -0.02587891,  0.15429688, -0.09375   , -0.38671875,  0.08056641,
         0.15625   ,  0.1796875 , -0.05639648,  0.10742188,  0.26171875,
         0.03564453,  0.11279297,  0.09130859, -0.18457031, -0.02905273,
         0.14453125, -0.08740234,  0.12304688,  0.12353516,  0.11425781,
         0.08349609, -0.02197266, -0.13378906,  0.02246094, -0.13769531,
        -0.32421875,  0.16601562, -0.00982666, -0.22167969, -0.13085938,
         0.05444336, -0.13183594,  0.16601562,  0.01953125, -0.25585938,
        -0.06445312, -0.12792969,  0.04931641,  0.21191406, -0.08935547,
        -0.08349609, -0.02197266,  0.23242188, -0.15625   ,  0.22265625,
         0.13671875,  0.01745605, -0.10888672,  0.24023438, -0.09033203,
         0.02404785,  0.07617188, -0.0100708 , -0.23535156, -0.01049805,
         0.12695312, -0.0255127 , -0.00823975, -0.13867188,  0.44921875,
        -0.13183594, -0.17675781, -0.00994873, -0.04907227,  0.07080078,
        -0.23828125,  0.10009766,  0.33007812,  0.05444336,  0.125     ,
        -0.16992188, -0.13085938, -0.22460938,  0.19628906, -0.06738281,
        -0.04248047,  0.31835938,  0.04858398,  0.17773438, -0.09277344,
        -0.19921875,  0.31445312, -0.08007812,  0.06591797,  0.04663086],
       dtype=float32),
 'technology': array([ 0.04345703,  0.00183105,  0.18457031,  0.00671387, -
0.11376953,
         0.00479126,  0.07128906, -0.09228516, -0.01531982, -0.09521484,
        -0.08642578, -0.08544922, -0.03125   , -0.13476562, -0.19921875,
        -0.05224609, -0.04956055, -0.03271484, -0.08496094, -0.06933594,
        -0.11328125, -0.01916504, -0.0625    ,  0.19042969, -0.03491211,
```

```
         0.10058594, -0.01916504,  0.04833984,  0.05737305, -0.27539062,
        -0.00204468, -0.08837891, -0.12451172, -0.08398438,  0.13085938,
        -0.14746094, -0.00756836, -0.11132812,  0.203125  , -0.00817871,
        -0.12695312,  0.22851562,  0.03588867, -0.00671387,  0.05444336,
        -0.06054688, -0.20214844, -0.09912109,  0.01269531,  0.15332031,
         0.0222168 ,  0.01342773, -0.12890625, -0.23632812, -0.05126953,
         0.203125  ,  0.04492188, -0.12695312,  0.36914062, -0.05810547,
        -0.03588867, -0.09716797, -0.24707031,  0.04589844, -0.296875  ,
         0.11132812, -0.14550781,  0.22558594, -0.02770996,  0.03979492,
        -0.17871094, -0.05932617,  0.08544922,  0.10009766,  0.06103516,
         0.00473022,  0.10546875,  0.18847656, -0.01196289, -0.01116943,
         0.10449219,  0.08398438,  0.03735352,  0.07714844,  0.26171875,
        -0.12353516, -0.05297852,  0.28710938, -0.140625  ,  0.12207031,
         0.16699219, -0.14941406, -0.07373047,  0.1328125 , -0.16308594,
         0.03027344, -0.04394531,  0.04956055,  0.27148438,  0.02026367,
         0.11962891, -0.10888672, -0.03173828,  0.04296875, -0.05297852,
         0.10400391, -0.15820312, -0.04296875,  0.2578125 , -0.05029297,
         0.07519531,  0.06445312,  0.0390625 ,  0.15136719,  0.05444336,
         0.16210938,  0.07373047, -0.23046875,  0.20996094, -0.13574219,
        -0.02270508,  0.1484375 , -0.08056641,  0.16796875,  0.16894531,
         0.02429199, -0.30078125,  0.04125977, -0.03076172,  0.12597656,
         0.18359375,  0.10351562,  0.08203125, -0.06982422,  0.06835938,
         0.1171875 ,  0.28320312, -0.03039551, -0.17089844, -0.0378418 ,
         0.25585938, -0.14746094, -0.01196289,  0.08300781,  0.07568359,
        -0.04589844,  0.23730469, -0.04956055,  0.03637695, -0.17480469,
         0.10107422, -0.01153564, -0.10839844,  0.0390625 , -0.22949219,
        -0.04711914, -0.07958984, -0.01245117, -0.11572266, -0.20800781,
        -0.05493164, -0.14160156, -0.15820312,  0.01904297,  0.11914062,
         0.0030365 , -0.10546875, -0.16601562,  0.01104736, -0.18457031,
         0.26171875,  0.01116943, -0.0100708 , -0.05053711,  0.02026367,
        -0.08984375, -0.03088379, -0.25      , -0.3046875 , -0.07128906,
        -0.07519531, -0.04638672,  0.0480957 , -0.25195312, -0.06982422,
        -0.07177734,  0.04833984,  0.00610352, -0.03613281,  0.05810547,
        -0.26171875,  0.00756836, -0.08398438, -0.13769531, -0.16210938,
         0.09619141, -0.14648438, -0.09375   ,  0.02636719, -0.13574219,
        -0.13378906, -0.02246094,  0.0168457 ,  0.328125  , -0.22265625,
        -0.06396484,  0.09521484, -0.16113281, -0.18945312, -0.26953125,
        -0.12060547,  0.01745605,  0.00485229,  0.04882812,  0.06884766,
         0.2109375 ,  0.05249023,  0.12207031, -0.12402344,  0.06738281,
        -0.09912109, -0.25      ,  0.18847656,  0.12207031, -0.21484375,
         0.01361084, -0.02722168, -0.05029297, -0.03198242, -0.11425781,
        -0.04077148,  0.00268555,  0.09960938, -0.15917969, -0.10693359,
        -0.01757812, -0.20214844,  0.11474609,  0.11083984,  0.02355957,
         0.20703125, -0.05908203,  0.03344727,  0.07617188,  0.10742188,
        -0.11816406,  0.03222656,  0.07128906, -0.0133667 , -0.13769531,
        -0.07470703, -0.20117188, -0.03295898, -0.10498047,  0.02954102,
        -0.09667969,  0.15136719,  0.0279541 , -0.24902344,  0.01342773,
         0.11425781, -0.0480957 , -0.0078125 ,  0.09423828,  0.12207031,
         0.11181641,  0.02441406, -0.15429688, -0.31445312, -0.06835938,
         0.13574219, -0.16601562, -0.07666016, -0.15429688, -0.07275391,
        -0.18261719, -0.06835938,  0.09521484,  0.13867188, -0.05786133,
        -0.13964844,  0.22949219,  0.203125  ,  0.10986328, -0.11230469,
         0.07177734,  0.14941406, -0.1953125 , -0.11572266,  0.20507812,
        -0.296875  , -0.02111816, -0.28125   , -0.0390625 ,  0.02478027,
        -0.06738281,  0.1953125 ,  0.01208496,  0.01806641,  0.20703125],
       dtype=float32),
 'matter': array([ 1.07910156e-01,  1.66015625e-02,  7.61718750e-02,  2.026
36719e-02,
        -9.96093750e-02,  1.78710938e-01,  4.31640625e-01, -1.53320312e-01,
         1.90429688e-01, -5.56640625e-02, -1.29882812e-01, -4.56542969e-02,
         1.26953125e-01,  1.79443359e-02, -2.67578125e-01,  2.67578125e-01,
         2.45117188e-01,  1.64062500e-01,  9.21630859e-03, -1.02539062e-01,
        -1.18164062e-01, -6.29882812e-02,  1.50390625e-01, -1.09863281e-01,
         4.54101562e-02,  8.93554688e-02, -4.24804688e-02, -1.34765625e-01,
```

```
 5.56640625e-02, -4.17480469e-02, -5.68847656e-02,  4.02832031e-02,
 7.71484375e-02,  9.81445312e-02, -7.95898438e-02,  3.12500000e-02,
 1.65039062e-01, -5.15136719e-02,  2.94921875e-01,  3.29589844e-02,
 9.96093750e-02,  1.10473633e-02,  3.27148438e-02,  1.26953125e-01,
-1.34765625e-01, -5.41992188e-02,  1.29882812e-01, -7.27539062e-02,
-1.78710938e-01,  1.44531250e-01,  7.17773438e-02,  9.32617188e-02,
 5.37109375e-02, -4.80957031e-02, -9.03320312e-02,  3.29589844e-02,
-9.71679688e-02, -2.16064453e-02,  4.80957031e-02, -2.02148438e-01,
-8.39843750e-02,  2.07519531e-02, -3.24707031e-02, -7.17773438e-02,
-5.20019531e-02,  4.02832031e-02, -3.90625000e-01,  2.46093750e-01,
-1.75781250e-01, -1.03149414e-02, -8.10546875e-02, -5.34667969e-02,
 1.12792969e-01, -9.08203125e-02,  1.05957031e-01, -1.33789062e-01,
 2.00195312e-01, -2.51770020e-03,  5.78613281e-02,  1.29882812e-01,
 3.32641602e-03, -1.79443359e-02,  1.95312500e-01, -1.14746094e-01,
-2.07031250e-01, -2.38281250e-01, -8.15429688e-02,  1.10839844e-01,
 2.45361328e-02, -4.02450562e-04,  1.86523438e-01,  1.40625000e-01,
 3.95507812e-02,  6.88476562e-02, -7.12890625e-02, -1.89453125e-01,
 1.53320312e-01,  4.12597656e-02, -1.40625000e-01, -7.12890625e-02,
 6.93359375e-02,  1.00097656e-01,  1.57226562e-01, -4.95605469e-02,
-2.50000000e-01,  7.47070312e-02,  1.06445312e-01, -1.61132812e-02,
 3.97949219e-02, -1.53320312e-01,  1.39648438e-01, -6.54296875e-02,
-4.80957031e-02,  4.44335938e-02,  1.58203125e-01,  6.25000000e-02,
-2.11181641e-02,  9.52148438e-03, -2.57568359e-02,  9.08203125e-02,
-3.92578125e-01, -2.52685547e-02, -1.64062500e-01,  1.34765625e-01,
-3.18359375e-01,  5.88378906e-02, -1.58203125e-01, -2.51464844e-02,
 3.46679688e-02, -1.89453125e-01,  1.15722656e-01, -1.91406250e-01,
-7.42187500e-02, -5.46875000e-02,  2.57812500e-01,  5.81054688e-02,
 3.27148438e-02,  6.39648438e-02, -1.09375000e-01, -6.34765625e-02,
 1.00097656e-01,  1.81640625e-01,  7.37304688e-02, -8.39843750e-02,
-3.44238281e-02,  9.57031250e-02, -1.89453125e-01, -1.15234375e-01,
-3.05175781e-02,  2.07519531e-02,  1.49414062e-01,  1.61132812e-01,
-9.66796875e-02, -1.96289062e-01, -2.11914062e-01,  1.68945312e-01,
-1.01928711e-02, -3.39355469e-02, -4.58984375e-02,  8.25195312e-02,
-2.80761719e-02,  1.60156250e-01,  2.96875000e-01,  1.55273438e-01,
-1.55639648e-02, -1.17187500e-01, -1.74804688e-01,  3.88183594e-02,
 1.10839844e-01,  6.39648438e-02, -5.15136719e-02,  8.54492188e-02,
-1.34887695e-02,  1.18652344e-01, -3.27148438e-02, -2.67578125e-01,
 2.11914062e-01, -1.08398438e-01,  2.11914062e-01, -8.10546875e-02,
 1.26953125e-02, -1.43554688e-01, -4.12597656e-02, -5.61523438e-02,
-3.14331055e-03, -4.49218750e-02,  1.86767578e-02,  2.74658203e-02,
 5.61523438e-02,  2.65625000e-01,  1.26953125e-01, -5.34667969e-02,
-9.91210938e-02,  2.00195312e-01,  9.86328125e-02, -3.78417969e-02,
-1.45507812e-01,  5.27343750e-02,  1.85546875e-01,  4.22363281e-02,
 2.00195312e-02, -8.49609375e-02, -1.54296875e-01,  7.42187500e-02,
-1.71875000e-01,  8.30078125e-02, -8.15429688e-02,  1.47094727e-02,
 2.63671875e-02, -1.41601562e-01,  3.32031250e-02, -7.95898438e-02,
-9.27734375e-02, -9.81445312e-02, -2.08984375e-01,  1.37695312e-01,
 1.04492188e-01,  8.69140625e-02, -1.28906250e-01,  1.15234375e-01,
-1.09863281e-01,  7.76367188e-02, -5.54199219e-02,  1.20605469e-01,
 1.62109375e-01,  7.86132812e-02,  2.01171875e-01,  1.13281250e-01,
-1.37329102e-02,  1.66015625e-01,  8.30078125e-02, -1.47094727e-02,
-4.54101562e-02,  6.44531250e-02,  2.36328125e-01, -7.76367188e-02,
-6.59179688e-02, -9.61914062e-02,  2.44140625e-02,  6.12792969e-02,
-1.06445312e-01,  5.07812500e-02, -6.34765625e-02, -6.07910156e-02,
-1.35742188e-01, -8.69140625e-02, -1.74804688e-01,  1.74804688e-01,
 2.27539062e-01, -5.10253906e-02, -5.24902344e-02,  1.62353516e-02,
 3.83300781e-02,  2.50244141e-02,  2.01171875e-01,  4.41894531e-02,
-1.77001953e-02, -3.17382812e-02,  1.91650391e-02, -1.57226562e-01,
 4.05273438e-02,  5.88378906e-02, -3.45703125e-01,  1.37695312e-01,
-4.76074219e-02,  1.94335938e-01,  7.61718750e-02,  9.88769531e-03,
-1.52343750e-01, -2.85156250e-01,  1.38671875e-01,  2.34375000e-01,
-2.85644531e-02, -1.00585938e-01, -1.82617188e-01, -6.29882812e-02,
-4.54101562e-02, -1.45507812e-01, -1.81640625e-01,  1.81640625e-01,
-3.72314453e-03, -1.99218750e-01,  7.91015625e-02,  2.49023438e-01,
```

```
         2.07031250e-01, -1.23046875e-01, -9.66796875e-02,  2.18750000e-01,
         9.76562500e-02,  2.31445312e-01, -1.41906738e-03,  1.24511719e-01,
        -2.83813477e-03,  1.33789062e-01, -1.30859375e-01,  1.86523438e-01,
        -5.54199219e-02, -3.04687500e-01, -1.03515625e-01,  2.24609375e-0
2],
       dtype=float32),
 'improve': array([-0.33984375,  0.25390625, -0.02124023, -0.16308594, -0.1
4648438,
         0.26953125, -0.14453125,  0.14160156,  0.01226807,  0.01208496,
        -0.17285156, -0.04980469,  0.14453125,  0.41796875,  0.09472656,
        -0.25585938,  0.01519775,  0.07080078, -0.02111816,  0.00349426,
         0.05908203,  0.11181641,  0.02502441,  0.07177734, -0.02233887,
         0.00145721, -0.03833008,  0.20703125, -0.04907227, -0.01928711,
        -0.05322266, -0.16601562, -0.03759766, -0.18359375,  0.05883789,
         0.0019989 , -0.04418945,  0.0390625 ,  0.2890625 ,  0.15234375,
        -0.08349609, -0.00135803, -0.00915527,  0.08789062, -0.02600098,
        -0.2890625 , -0.03112793,  0.06640625,  0.125     ,  0.07324219,
         0.08203125,  0.2421875 ,  0.05395508, -0.2578125 , -0.19335938,
        -0.1171875 , -0.31445312, -0.16992188,  0.00653076, -0.1640625 ,
         0.07519531,  0.0546875 , -0.32226562, -0.08300781,  0.25585938,
         0.33007812, -0.05639648,  0.12451172, -0.0037384 ,  0.08056641,
        -0.07714844, -0.07617188,  0.05639648,  0.22167969, -0.17382812,
        -0.30859375,  0.15234375, -0.01550293, -0.04589844,  0.15234375,
         0.12402344, -0.046875  , -0.12255859,  0.125     ,  0.0859375 ,
         0.21386719, -0.26757812,  0.1328125 , -0.375     ,  0.3515625 ,
         0.33203125, -0.06347656, -0.06494141, -0.32421875, -0.16992188,
        -0.296875  ,  0.0135498 ,  0.04394531, -0.15039062,  0.03881836,
         0.09716797, -0.05322266,  0.08789062,  0.09082031, -0.04711914,
         0.03417969, -0.14746094, -0.18554688, -0.03857422, -0.07128906,
         0.25      ,  0.18359375, -0.14355469, -0.0859375 ,  0.15527344,
        -0.10595703,  0.10449219, -0.19433594,  0.10107422,  0.02844238,
        -0.04785156,  0.11181641, -0.13964844, -0.0324707 , -0.34179688,
        -0.2734375 , -0.09863281, -0.03295898,  0.02941895,  0.17089844,
         0.06079102,  0.20800781, -0.07617188, -0.0859375 , -0.02416992,
        -0.06103516,  0.17675781,  0.10693359, -0.06933594,  0.09570312,
        -0.13769531,  0.09423828, -0.11279297,  0.33007812, -0.05737305,
        -0.17578125, -0.02111816, -0.25      ,  0.12207031, -0.00300598,
        -0.00970459,  0.07714844, -0.20410156,  0.31445312,  0.12597656,
         0.13574219,  0.12988281,  0.10546875, -0.19824219, -0.02636719,
         0.22265625,  0.03564453, -0.01672363, -0.0612793 ,  0.01721191,
        -0.0133667 , -0.00747681, -0.22558594,  0.23730469, -0.24707031,
         0.00537109, -0.01031494, -0.27539062,  0.17089844,  0.33398438,
         0.14257812,  0.29882812,  0.1796875 , -0.09375   ,  0.10205078,
        -0.375     , -0.18554688,  0.24511719,  0.08300781, -0.234375  ,
        -0.01239014, -0.04882812,  0.006073  , -0.1484375 , -0.10986328,
        -0.13085938, -0.05273438,  0.09082031, -0.06640625, -0.07910156,
        -0.26757812,  0.15527344, -0.13085938, -0.1015625 ,  0.00120544,
        -0.19140625, -0.0133667 ,  0.05200195, -0.19433594, -0.1640625 ,
        -0.13867188, -0.11425781, -0.15136719, -0.10693359, -0.03930664,
         0.05151367, -0.11962891, -0.06787109,  0.14257812, -0.09130859,
        -0.11230469,  0.22265625,  0.07373047,  0.01098633, -0.04736328,
        -0.21289062, -0.06054688, -0.04418945,  0.12011719,  0.07275391,
         0.06787109, -0.07470703,  0.00872803, -0.09765625,  0.21191406,
         0.17675781, -0.01190186,  0.20410156,  0.11035156, -0.00512695,
        -0.06689453, -0.27539062, -0.07714844,  0.10058594,  0.14355469,
        -0.20410156,  0.12255859,  0.03125   , -0.06542969, -0.04541016,
        -0.1875    , -0.19921875,  0.02026367, -0.43359375, -0.234375  ,
        -0.13671875,  0.04736328,  0.0038147 ,  0.06982422, -0.02722168,
        -0.05517578, -0.0018158 ,  0.24023438, -0.06494141, -0.08349609,
        -0.02575684,  0.07275391, -0.06884766,  0.05566406,  0.3359375 ,
        -0.11914062,  0.01879883, -0.24804688, -0.22753906, -0.32617188,
        -0.0133667 ,  0.34375   , -0.03076172, -0.16796875, -0.11181641,
        -0.04956055,  0.00598145, -0.2890625 , -0.14257812, -0.01013184,
         0.06176758, -0.06298828,  0.12890625,  0.09667969, -0.11083984,
```

```
        -0.07861328, -0.28515625,  0.13769531,  0.18457031,  0.00408936,
         0.01043701,  0.3671875 , -0.21289062, -0.11621094, -0.03344727,
        -0.04321289, -0.16015625, -0.046875  , -0.04760742, -0.11865234],
       dtype=float32),
 'uptime': array([-0.15234375, -0.11621094,  0.09130859, -0.27148438,  0.20
3125  ,
         0.33007812,  0.23632812, -0.03540039,  0.41601562,  0.4140625 ,
        -0.03710938,  0.23339844, -0.078125  ,  0.4609375 ,  0.36914062,
         0.09570312, -0.1171875 ,  0.23632812, -0.07568359,  0.29101562,
         0.01037598,  0.25585938, -0.0246582 ,  0.13085938,  0.04638672,
        -0.20605469, -0.21972656, -0.1640625 , -0.03955078, -0.3359375 ,
         0.0145874 , -0.36914062, -0.203125  , -0.16210938, -0.35351562,
        -0.32421875, -0.05249023, -0.1953125 , -0.21191406,  0.28710938,
         0.19824219,  0.09521484,  0.0480957 , -0.14257812, -0.25      ,
        -0.32617188, -0.22949219, -0.15625   , -0.29882812, -0.0062561 ,
        -0.14941406,  0.02050781, -0.44335938, -0.19042969,  0.24609375,
         0.3671875 ,  0.0112915 ,  0.2421875 , -0.0559082 ,  0.16992188,
         0.1484375 , -0.04492188, -0.26367188, -0.04370117,  0.25195312,
        -0.03271484, -0.421875  , -0.3671875 ,  0.16308594,  0.14453125,
        -0.06445312,  0.3046875 ,  0.04296875, -0.49609375, -0.71484375,
        -0.34179688, -0.24804688, -0.18457031,  0.04003906,  0.26367188,
         0.02685547,  0.19140625,  0.13183594, -0.32226562,  0.49023438,
        -0.44726562,  0.11767578,  0.54296875, -0.22070312,  0.32421875,
         0.3359375 , -0.32226562, -0.13964844,  0.07324219, -0.16992188,
        -0.27734375, -0.01574707, -0.21386719,  0.12695312, -0.09619141,
         0.5390625 , -0.24609375,  0.01977539, -0.4765625 , -0.40625   ,
        -0.0703125 , -0.43359375,  0.21582031, -0.3515625 , -0.08642578,
         0.23339844, -0.31835938, -0.16992188,  0.3828125 , -0.07226562,
        -0.08886719, -0.01501465, -0.46484375,  0.10351562,  0.06347656,
        -0.33789062,  0.34765625,  0.20117188, -0.00692749,  0.30664062,
         0.15136719,  0.15917969,  0.46679688,  0.08007812, -0.13476562,
        -0.58984375,  0.36523438,  0.14746094, -0.05932617,  0.05102539,
        -0.24707031,  0.24316406, -0.23144531, -0.33203125, -0.07275391,
        -0.05932617, -0.3828125 ,  0.27148438,  0.04882812, -0.20019531,
         0.07861328,  0.05053711, -0.265625  ,  0.09619141, -0.10546875,
        -0.03100586,  0.0703125 , -0.07958984, -0.2421875 , -0.14648438,
        -0.11376953,  0.26757812,  0.3671875 , -0.28320312, -0.46679688,
        -0.35546875,  0.06347656, -0.31445312,  0.4296875 ,  0.08691406,
        -0.21582031, -0.64453125, -0.12988281, -0.34960938,  0.30078125,
        -0.16308594, -0.19824219,  0.19628906, -0.17285156, -0.06298828,
        -0.02197266,  0.08837891, -0.00631714, -0.01202393, -0.25390625,
        -0.29882812,  0.11083984,  0.23242188, -0.65625   ,  0.40429688,
        -0.24609375, -0.12353516, -0.02734375,  0.16210938, -0.20703125,
        -0.29101562, -0.2265625 , -0.703125  ,  0.44726562, -0.29296875,
        -0.09765625,  0.41210938, -0.01550293, -0.06396484, -0.5546875 ,
         0.140625  ,  0.23828125,  0.20898438,  0.03833008,  0.14355469,
         0.23144531, -0.55078125, -0.40429688,  0.15039062,  0.08349609,
         0.12304688, -0.13769531,  0.03039551,  0.04980469, -0.18359375,
        -0.12109375,  0.28125   , -0.04052734, -0.34570312,  0.06494141,
        -0.19921875,  0.32617188,  0.03295898,  0.07226562, -0.15625   ,
         0.03271484,  0.08740234, -0.08935547,  0.15332031, -0.5       ,
        -0.125     , -0.34765625, -0.00964355, -0.5390625 , -0.51953125,
         0.33789062,  0.03979492,  0.03955078, -0.10791016,  0.1484375 ,
         0.12597656, -0.01507568, -0.36132812, -0.3984375 ,  0.37695312,
        -0.20996094, -0.15722656,  0.2734375 , -0.2890625 , -0.3046875 ,
        -0.62890625,  0.11523438,  0.08691406,  0.37695312, -0.06738281,
        -0.43164062,  0.50390625,  0.01806641, -0.21972656,  0.00119781,
         0.20214844, -0.01074219,  0.33203125,  0.01269531,  0.0859375 ,
        -0.00836182, -0.02832031, -0.4296875 , -0.19238281, -0.27148438,
        -0.17871094,  0.03393555, -0.29882812, -0.00927734, -0.125     ,
        -0.078125  , -0.19628906,  0.05541992, -0.2890625 , -0.109375  ,
        -0.48046875,  0.5625    ,  0.23046875,  0.0088501 , -0.29101562,
        -0.296875  ,  0.11816406, -0.07763672, -0.08398438,  0.05200195,
         0.19726562,  0.35742188, -0.00671387,  0.18261719,  0.05737305,
```

```
         0.26953125, -0.06933594,  0.26367188,  0.10009766, -0.16015625],
       dtype=float32),
 'longevity': array([ 2.01171875e-01,  1.17187500e-01, -1.75781250e-01,  2.
14843750e-01,
         2.44140625e-01, -5.78613281e-02,  2.43164062e-01, -3.49609375e-01,
         3.33984375e-01,  4.68750000e-01,  1.32446289e-02, -1.63085938e-01,
         4.66308594e-02,  2.57812500e-01, -1.33789062e-01,  2.33154297e-02,
         3.06640625e-01,  1.51367188e-01, -4.02832031e-03, -8.69140625e-02,
        -1.54296875e-01, -3.69140625e-01, -3.61328125e-01,  2.43164062e-01,
        -1.92871094e-02, -3.28125000e-01, -1.55273438e-01,  2.04101562e-01,
        -3.14453125e-01,  1.04980469e-01,  6.68945312e-02, -1.23046875e-01,
         1.79687500e-01, -1.66015625e-02,  2.00195312e-01,  8.00781250e-02,
         1.25000000e-01,  1.52343750e-01, -1.14746094e-01, -1.42578125e-01,
         1.83593750e-01, -1.04980469e-02, -3.02734375e-01, -4.22363281e-02,
        -2.18750000e-01, -1.84570312e-01,  6.25000000e-02,  6.98242188e-02,
         5.71289062e-02, -1.21582031e-01, -2.26562500e-01,  3.08990479e-04,
        -5.15136719e-02, -5.27343750e-02,  1.72851562e-01,  1.73828125e-01,
        -1.86523438e-01, -2.83203125e-01,  1.77001953e-02, -4.61425781e-02,
         3.47656250e-01,  2.83203125e-01,  7.81250000e-02,  5.90820312e-02,
         2.29492188e-01,  5.85937500e-03, -2.94189453e-02,  1.70898438e-01,
         7.81250000e-03, -1.03759766e-02,  4.68750000e-02, -9.70458984e-03,
         6.83593750e-02, -2.44140625e-02, -2.50000000e-01, -1.96289062e-01,
        -9.66796875e-02,  1.27929688e-01, -1.87500000e-01,  3.84765625e-01,
         1.63085938e-01, -1.51367188e-01,  1.20117188e-01,  2.50000000e-01,
        -2.53906250e-01,  2.80761719e-02, -2.59765625e-01,  4.04296875e-01,
         2.17285156e-02,  8.64257812e-02,  1.20605469e-01,  1.91650391e-02,
        -2.06054688e-01, -5.78613281e-02, -2.24609375e-02,  2.29492188e-02,
         2.16796875e-01,  5.39550781e-02, -1.05468750e-01, -2.38281250e-01,
        -1.14746094e-01,  1.07421875e-01, -3.32031250e-02,  2.36328125e-01,
        -2.03125000e-01, -8.30078125e-02, -2.27539062e-01,  1.58203125e-01,
        -1.11816406e-01, -1.18652344e-01,  1.26953125e-01,  6.12792969e-02,
        -1.04003906e-01,  2.17773438e-01, -8.34960938e-02, -6.39648438e-02,
        -1.66015625e-01, -4.23828125e-01, -8.64257812e-02, -1.32812500e-01,
        -1.52343750e-01,  5.73730469e-02,  2.15820312e-01,  2.65625000e-01,
         2.05078125e-01,  3.17382812e-02,  8.59375000e-02,  1.43554688e-01,
        -3.75976562e-02,  1.83593750e-01, -7.51953125e-02, -1.25976562e-01,
        -1.18164062e-01, -2.34375000e-01,  1.59912109e-02,  1.77734375e-01,
        -9.22851562e-02, -2.09960938e-02, -4.54101562e-02,  3.73046875e-01,
         2.46093750e-01, -9.66796875e-02, -3.04687500e-01,  3.17382812e-02,
         1.48437500e-01, -4.37011719e-02,  1.72851562e-01,  2.84423828e-02,
         1.68945312e-01,  1.64062500e-01, -2.73437500e-01, -5.88378906e-02,
        -2.57812500e-01,  1.71875000e-01, -1.65039062e-01, -1.64794922e-02,
         2.90527344e-02, -6.44531250e-02,  1.67968750e-01, -2.26562500e-01,
        -1.09863281e-01, -2.74658203e-02, -1.56250000e-01,  1.59179688e-01,
         1.14746094e-02, -3.35937500e-01, -2.89062500e-01,  1.78222656e-02,
        -9.03320312e-02,  3.94531250e-01,  1.06445312e-01, -1.97265625e-01,
         9.03320312e-02, -3.17382812e-02,  6.05468750e-02, -3.41796875e-02,
        -1.34765625e-01, -1.99218750e-01,  4.44335938e-02,  1.11816406e-01,
        -2.92968750e-01, -2.86865234e-02,  3.41796875e-01, -3.78906250e-01,
         5.12695312e-02, -2.04101562e-01, -1.58203125e-01, -1.62109375e-01,
        -3.93676758e-03,  1.04980469e-01,  4.73632812e-02,  1.25000000e-01,
        -5.15747070e-03, -1.29882812e-01, -2.05078125e-02,  2.88085938e-02,
         1.25976562e-01,  2.03857422e-02,  1.72119141e-02, -1.62109375e-01,
        -3.61328125e-02,  2.86865234e-02, -1.89453125e-01,  1.10839844e-01,
         5.31005859e-03, -1.39648438e-01, -2.41210938e-01, -7.51953125e-02,
        -5.41992188e-02,  8.59375000e-02, -3.61328125e-01,  8.64257812e-02,
        -7.81250000e-02,  3.88183594e-02,  2.02148438e-01, -1.17187500e-01,
         4.16015625e-01, -8.05664062e-02, -1.66015625e-01,  3.35937500e-01,
        -3.73535156e-02, -2.65625000e-01,  5.88378906e-02, -1.28906250e-01,
        -1.79443359e-02, -1.37939453e-02, -9.22851562e-02, -2.15820312e-01,
        -7.91015625e-02,  2.44140625e-01, -1.16210938e-01,  1.70898438e-02,
         8.15429688e-02, -7.61718750e-02, -1.84570312e-01, -2.11914062e-01,
         1.27929688e-01, -1.63085938e-01,  3.52478027e-03, -2.89062500e-01,
         5.90820312e-02, -2.45117188e-01,  6.25000000e-02, -1.98242188e-01,
```

```
         1.88476562e-01, -9.08203125e-02, -1.15234375e-01, -6.93359375e-02,
         1.56250000e-02, -9.52148438e-02, -1.50390625e-01,  1.98242188e-01,
         1.01470947e-03,  7.29370117e-03, -7.47070312e-02,  4.19921875e-02,
         3.34472656e-02,  1.62353516e-02, -2.10937500e-01,  2.39257812e-01,
         1.43432617e-02, -2.39257812e-01, -3.76953125e-01,  2.96875000e-01,
         1.87500000e-01,  7.71484375e-02, -1.02050781e-01, -2.06054688e-01,
        -4.15039062e-02, -2.45117188e-01, -1.34765625e-01, -1.23046875e-01,
         2.11181641e-02, -1.07421875e-01,  1.82617188e-01, -7.12890625e-02,
         1.37695312e-01, -1.53320312e-01, -1.19140625e-01, -1.28906250e-01,
         1.06445312e-01,  1.95312500e-01,  1.95312500e-01, -4.73632812e-02,
        -1.46484375e-01, -1.84570312e-01,  1.26953125e-01,  1.25122070e-02,
        -8.20312500e-02,  4.22363281e-02, -5.54199219e-02,  2.53906250e-01,
        -2.15820312e-01, -1.21582031e-01, -1.53320312e-01, -2.03857422e-02,
         2.91748047e-02,  1.83593750e-01, -1.51367188e-01, -3.05175781e-0
2],
       dtype=float32),
 'accurate': array([ 4.21142578e-03, -3.53515625e-01,  3.55529785e-03, -2.0
7031250e-01,
        -6.34765625e-02,  1.70898438e-01,  1.85546875e-01,  1.78710938e-01,
         2.73437500e-01,  1.04980469e-01,  3.27148438e-02, -1.66992188e-01,
        -1.96533203e-02,  3.00781250e-01,  1.13281250e-01,  1.08886719e-01,
         5.78613281e-02, -1.94335938e-01, -3.68652344e-02, -3.71093750e-01,
        -2.15820312e-01, -1.08642578e-02, -1.10351562e-01,  2.92968750e-01,
        -1.82617188e-01, -6.54296875e-02, -3.90625000e-01, -2.58789062e-02,
         2.29492188e-01, -2.61718750e-01,  3.32031250e-02, -6.54296875e-02,
        -1.76757812e-01,  4.61425781e-02, -1.77001953e-02,  1.48437500e-01,
        -6.22558594e-02,  1.21459961e-02,  1.40625000e-01,  1.54296875e-01,
         3.33984375e-01,  2.67333984e-02, -2.94189453e-02, -9.57031250e-02,
         2.11914062e-01, -1.16210938e-01, -2.53906250e-01,  4.22363281e-02,
        -2.17285156e-02,  1.71875000e-01,  1.62109375e-01, -6.68945312e-02,
        -1.16699219e-01, -3.24218750e-01, -1.32812500e-01,  2.98828125e-01,
         1.06445312e-01, -2.92968750e-01, -5.32226562e-02,  8.25195312e-02,
        -2.08740234e-02, -3.04687500e-01, -7.10937500e-01, -2.79296875e-01,
         1.41601562e-01,  3.47656250e-01, -5.73730469e-02, -1.37695312e-01,
         8.44726562e-02, -1.85546875e-01,  1.01074219e-01,  6.20117188e-02,
         2.98828125e-01, -1.98242188e-01, -2.77343750e-01,  2.73437500e-01,
         8.30078125e-03,  3.04687500e-01,  3.16406250e-01,  2.15820312e-01,
        -1.45507812e-01,  2.73437500e-02,  1.64062500e-01,  5.02929688e-02,
         2.63671875e-01, -1.14746094e-01, -4.63867188e-02,  6.00585938e-02,
         2.77343750e-01,  1.14257812e-01,  7.81250000e-02, -1.63085938e-01,
         1.38671875e-01, -1.22070312e-01, -4.71191406e-02,  2.62451172e-02,
        -1.37695312e-01,  8.49609375e-02,  3.08593750e-01, -7.42187500e-02,
         1.09252930e-02,  3.16406250e-01, -1.10351562e-01, -3.39843750e-01,
        -5.98144531e-03, -7.71484375e-02, -2.85156250e-01,  1.16210938e-01,
         1.41601562e-01, -3.10546875e-01, -1.19140625e-01, -1.09863281e-01,
        -2.08007812e-01,  1.38549805e-02,  9.27734375e-02,  2.57812500e-01,
         9.08203125e-02, -8.44726562e-02, -5.46875000e-02, -1.28906250e-01,
        -5.23437500e-01,  2.13867188e-01,  3.71093750e-01, -1.76757812e-01,
         7.42187500e-02,  1.69921875e-01, -1.73828125e-01, -1.02539062e-01,
        -2.21679688e-01,  7.56835938e-02, -3.49609375e-01, -9.42382812e-02,
        -2.91015625e-01,  1.56250000e-01,  1.94091797e-02, -1.43554688e-01,
         2.51953125e-01, -4.54101562e-02,  5.56640625e-02,  2.53906250e-01,
         6.39648438e-02,  9.03320312e-02, -6.78710938e-02,  1.66015625e-01,
        -8.39843750e-02, -1.26953125e-01, -1.49414062e-01, -2.39257812e-01,
        -8.34960938e-02,  7.22656250e-02, -2.39257812e-01,  1.56250000e-01,
        -1.28906250e-01,  4.76074219e-02,  2.27050781e-02, -7.12890625e-02,
        -1.05468750e-01, -1.80664062e-01, -6.88476562e-02,  4.85839844e-02,
        -4.49218750e-02,  1.02539062e-01,  3.08593750e-01, -1.64062500e-01,
        -1.69921875e-01, -1.06445312e-01, -4.15039062e-02,  6.40869141e-03,
        -5.07812500e-02, -5.12695312e-02,  4.02832031e-02, -1.11816406e-01,
        -7.32421875e-02, -1.13281250e-01, -3.89099121e-03,  1.60156250e-01,
        -5.20019531e-02, -2.77343750e-01, -8.05664062e-02, -1.46484375e-01,
        -2.59765625e-01, -3.54003906e-02,  9.27734375e-02, -1.17187500e-01,
        -3.54003906e-03, -2.88085938e-02,  7.69042969e-03,  8.78906250e-02,
```

```
        -1.56250000e-01,  2.65625000e-01,  1.61132812e-02,  4.85839844e-02,
        -6.17675781e-02, -4.16015625e-01, -1.04980469e-01, -2.41210938e-01,
         1.57226562e-01, -2.57812500e-01,  3.22265625e-02,  1.69677734e-02,
         1.47460938e-01,  1.13281250e-01, -1.00097656e-01,  1.12792969e-01,
        -1.49414062e-01, -1.38671875e-01,  1.16210938e-01, -1.90429688e-01,
         4.44335938e-02, -1.72851562e-01, -8.15429688e-02,  2.83203125e-01,
        -4.32128906e-02,  5.34667969e-02, -6.98242188e-02, -4.88281250e-02,
         2.67578125e-01,  1.38671875e-01,  5.21850586e-03, -8.50677490e-04,
         9.96093750e-02,  5.51757812e-02, -3.22265625e-01, -4.29687500e-01,
         2.29492188e-01,  1.03027344e-01,  2.34375000e-01,  1.16210938e-01,
        -1.46484375e-01,  2.25830078e-02,  2.19726562e-01,  6.68945312e-02,
         2.34375000e-01, -1.32812500e-01,  2.86865234e-03,  1.01562500e-01,
        -3.90625000e-01, -2.01171875e-01, -9.46044922e-03, -4.98046875e-02,
         1.71875000e-01, -1.55273438e-01, -4.48608398e-03, -6.44531250e-02,
        -6.07910156e-02,  2.15820312e-01,  7.22656250e-02,  1.89453125e-01,
        -1.48437500e-01, -1.59179688e-01, -1.91406250e-01, -2.45361328e-02,
        -1.34765625e-01,  4.46777344e-02,  1.21093750e-01, -3.90625000e-02,
         5.58471680e-03, -1.44531250e-01,  5.95092773e-04, -1.84570312e-01,
         2.14843750e-02, -4.37011719e-02,  1.61132812e-02, -1.01074219e-01,
        -3.02734375e-02,  1.37939453e-02, -3.27148438e-02, -3.90625000e-01,
         1.08886719e-01, -1.34765625e-01,  1.07421875e-01,  1.57226562e-01,
         1.44042969e-02,  1.76757812e-01,  1.14746094e-01, -1.14257812e-01,
        -1.20605469e-01,  2.12402344e-02,  3.71093750e-01,  3.28125000e-01,
        -1.42578125e-01,  1.28906250e-01, -4.19921875e-02, -3.27148438e-02,
        -8.64257812e-02,  2.96630859e-02,  2.13867188e-01,  2.29492188e-02,
         1.82617188e-01, -1.56250000e-01,  1.58691406e-02,  1.77734375e-01,
        -5.18798828e-03,  1.46484375e-01, -9.96093750e-02,  3.08593750e-01,
        -3.02734375e-01, -4.41894531e-02, -1.64062500e-01, -1.12792969e-0
1],
       dtype=float32),
 'timely': array([-1.69921875e-01, -3.44238281e-02, -1.73828125e-01, -1.118
16406e-01,
        -1.14746094e-02, -2.53906250e-01,  9.37500000e-02,  1.34765625e-01,
         2.79296875e-01, -6.25000000e-02, -1.26953125e-01, -1.65039062e-01,
         6.54296875e-02,  4.14062500e-01,  7.47070312e-02, -1.47460938e-01,
         4.93164062e-02,  3.12500000e-02,  7.22656250e-02,  1.54296875e-01,
         8.83789062e-02, -2.81982422e-02,  2.07031250e-01, -1.12915039e-02,
         7.91015625e-02, -9.52148438e-02,  2.02636719e-02, -5.81054688e-02,
         2.24609375e-01,  5.90820312e-02,  1.11694336e-02, -2.53906250e-01,
         1.90429688e-01, -3.09753418e-03, -2.06298828e-02,  3.39355469e-02,
        -8.48388672e-03, -3.56445312e-02,  2.71484375e-01, -1.89453125e-01,
         1.17187500e-01,  2.29492188e-02,  2.17285156e-02, -1.28173828e-02,
         1.62109375e-01, -5.98144531e-02, -2.38037109e-02, -2.21679688e-01,
        -2.74658203e-02, -7.23266602e-03, -1.05590820e-02,  1.18652344e-01,
        -1.61132812e-01,  8.25195312e-02, -3.16406250e-01,  3.26171875e-01,
        -2.42919922e-02, -1.94335938e-01,  2.35351562e-01, -2.81250000e-01,
        -1.01074219e-01, -1.90429688e-01, -4.08203125e-01, -1.25000000e-01,
         1.18652344e-01,  2.29492188e-01, -1.39648438e-01, -1.16699219e-01,
         3.78417969e-02,  7.76367188e-02, -5.66406250e-02, -2.59765625e-01,
         1.87500000e-01, -2.77343750e-01, -8.49609375e-02,  6.93359375e-02,
        -8.69140625e-02,  2.35351562e-01,  7.81250000e-02,  3.35937500e-01,
        -4.21875000e-01,  2.14843750e-01, -4.29687500e-02, -5.54199219e-02,
         2.14843750e-01, -2.21679688e-01, -2.19726562e-02, -1.66015625e-01,
         1.67236328e-02, -8.69140625e-02,  2.30468750e-01, -1.13769531e-01,
         1.31835938e-01, -1.36718750e-01,  9.08203125e-02, -5.81054688e-02,
        -7.17773438e-02,  9.13085938e-02,  1.16210938e-01, -1.71661377e-05,
         1.04003906e-01,  2.27539062e-01, -8.05664062e-02, -8.05664062e-02,
        -1.66992188e-01, -3.05175781e-03, -1.47460938e-01,  4.32128906e-02,
         9.81445312e-02, -6.54296875e-02, -4.48608398e-03, -1.25976562e-01,
        -3.02734375e-01, -1.64794922e-02,  1.08886719e-01,  2.32421875e-01,
         3.24218750e-01,  1.18652344e-01,  1.51367188e-01,  2.19726562e-01,
        -1.36718750e-01,  9.03320312e-02,  9.47265625e-02,  8.05664062e-02,
         4.29687500e-02,  2.23632812e-01, -1.58203125e-01, -1.64062500e-01,
        -1.26953125e-01, -1.53198242e-02, -1.32812500e-01, -2.79296875e-01,
```

```
        -1.26953125e-01, -7.71484375e-02, -4.90722656e-02,  4.41894531e-02,
         3.59375000e-01, -2.51953125e-01, -4.54101562e-02,  2.38281250e-01,
         7.47070312e-02, -3.00292969e-02,  1.39648438e-01, -1.87500000e-01,
        -1.26953125e-01, -1.80664062e-01,  4.58984375e-02,  9.13085938e-02,
        -1.07910156e-01,  3.22265625e-01, -3.63769531e-02,  8.00781250e-02,
         1.76757812e-01, -5.90820312e-02, -6.64062500e-02, -3.35937500e-01,
         2.19726562e-01,  2.69775391e-02,  3.19824219e-02, -1.81640625e-01,
         4.93164062e-02,  6.98242188e-02,  2.06298828e-02,  1.46484375e-01,
        -6.64062500e-02, -1.88476562e-01, -4.66918945e-03, -5.03540039e-03,
         8.69140625e-02, -2.35351562e-01,  2.14843750e-02, -1.41601562e-01,
         1.66992188e-01, -2.22656250e-01,  1.99218750e-01, -6.17675781e-02,
         2.15820312e-01, -1.99218750e-01, -2.29492188e-01,  1.01074219e-01,
        -1.20605469e-01, -1.41601562e-01,  1.59179688e-01, -1.46484375e-01,
        -2.50000000e-01,  1.42578125e-01,  3.34472656e-02, -1.89453125e-01,
         2.96630859e-02,  9.96093750e-02, -8.93554688e-02, -3.54003906e-02,
         4.49218750e-02, -9.61914062e-02, -7.95898438e-02, -3.06640625e-01,
        -1.78710938e-01, -1.53320312e-01, -1.32446289e-02,  6.00585938e-02,
        -1.21582031e-01, -3.27148438e-02, -1.11816406e-01,  1.77734375e-01,
         7.95898438e-02, -2.59765625e-01, -7.66601562e-02,  1.85546875e-01,
         1.41601562e-01,  6.15234375e-02, -2.33398438e-01,  2.21679688e-01,
        -3.73535156e-02,  1.25000000e-01, -1.04003906e-01, -7.95898438e-02,
         1.71875000e-01,  2.68554688e-02, -1.01074219e-01,  1.39648438e-01,
         2.08984375e-01, -2.17285156e-02, -2.20703125e-01, -1.21093750e-01,
         6.49414062e-02,  3.66210938e-02,  5.54199219e-02, -1.99218750e-01,
         1.00585938e-01, -1.18652344e-01,  6.49414062e-02,  2.61718750e-01,
         1.68945312e-01, -8.78906250e-02, -1.03515625e-01, -9.47265625e-02,
        -1.40625000e-01, -1.25000000e-01, -3.97949219e-02, -1.45507812e-01,
        -2.14843750e-02, -1.21582031e-01, -1.21582031e-01, -2.77343750e-01,
        -6.10351562e-03,  1.68945312e-01,  9.86328125e-02,  6.59179688e-02,
        -1.57470703e-02, -1.47460938e-01, -1.61132812e-01,  2.28515625e-01,
         1.99218750e-01,  2.02148438e-01,  6.93359375e-02, -8.34960938e-02,
         2.33398438e-01, -5.27343750e-02, -1.89453125e-01, -1.98242188e-01,
         8.49609375e-02,  3.22265625e-02, -2.81250000e-01, -4.41894531e-02,
         1.52343750e-01,  8.88671875e-02,  1.39648438e-01, -2.13867188e-01,
        -5.34667969e-02, -1.95312500e-03,  3.30078125e-01,  3.76953125e-01,
        -6.73828125e-02,  2.39257812e-01,  2.32421875e-01,  1.78710938e-01,
        -9.37500000e-02, -1.53198242e-02,  2.27539062e-01,  2.10937500e-01,
        -1.67968750e-01, -1.00585938e-01,  1.87500000e-01,  2.34375000e-01,
        -2.92968750e-01,  2.16796875e-01, -4.98046875e-02, -7.76367188e-02,
         1.02050781e-01, -3.00292969e-02,  3.32031250e-02, -7.93457031e-03,
         1.84570312e-01,  9.03320312e-03,  1.35742188e-01,  2.06054688e-01,
        -2.02148438e-01, -5.21850586e-03,  1.52587891e-02,  4.78515625e-0
2],
       dtype=float32),
 'ultrasonic': array([-2.14843750e-01,  2.69531250e-01, -1.77734375e-01, -
2.55859375e-01,
        -2.59765625e-01,  7.61718750e-02, -1.19140625e-01,  6.00585938e-02,
        -1.73828125e-01, -2.45666504e-03, -2.85156250e-01, -4.08203125e-01,
         1.77734375e-01, -8.10546875e-02,  4.41406250e-01, -1.09375000e-01,
        -4.53125000e-01,  1.39648438e-01,  1.11328125e-01, -1.96289062e-01,
         1.18164062e-01, -9.46044922e-03, -2.65625000e-01,  2.47070312e-01,
        -4.70703125e-01,  2.99072266e-02, -3.76953125e-01,  6.10351562e-02,
         2.50244141e-03, -3.88183594e-02, -3.59375000e-01, -3.12500000e-01,
        -3.35937500e-01, -3.00781250e-01,  1.45507812e-01, -2.07519531e-02,
         6.39648438e-02,  8.20312500e-02,  1.72851562e-01,  2.66113281e-02,
         3.08593750e-01,  1.02050781e-01,  1.39648438e-01, -1.20117188e-01,
        -2.08007812e-01, -3.90625000e-01, -5.12695312e-02, -2.51953125e-01,
         1.67236328e-02, -7.47070312e-02,  9.22851562e-02,  5.59082031e-02,
         1.68945312e-01,  8.69140625e-02,  3.02734375e-01,  1.78710938e-01,
        -2.57812500e-01, -2.91748047e-02,  2.53906250e-01, -2.96630859e-02,
        -2.53906250e-01,  8.64257812e-02, -1.00097656e-01, -1.13769531e-01,
         1.11328125e-01, -3.18359375e-01, -3.35937500e-01,  4.27734375e-01,
         4.46777344e-02, -1.64794922e-02, -2.50000000e-01, -1.02539062e-01,
         2.30468750e-01, -2.40234375e-01, -2.38281250e-01, -3.45703125e-01,
```

```
        -3.41796875e-02,  1.30859375e-01,  6.64062500e-02, -3.33984375e-01,
         1.58203125e-01,  2.06054688e-01,  1.07910156e-01, -6.25610352e-03,
         5.15136719e-02,  1.52343750e-01, -8.39843750e-02,  3.20312500e-01,
        -2.18505859e-02, -1.50146484e-02, -2.45117188e-01,  5.07812500e-02,
        -2.21679688e-01,  6.13281250e-01, -4.88281250e-01,  1.33789062e-01,
         1.04492188e-01, -5.31250000e-01,  4.90234375e-01, -6.65283203e-03,
         2.87109375e-01, -2.63671875e-01, -1.58203125e-01, -3.78906250e-01,
         1.97265625e-01,  1.38671875e-01,  4.61425781e-02,  3.82812500e-01,
         2.73437500e-01, -7.08007812e-02,  3.01513672e-02,  1.39648438e-01,
        -1.90429688e-01,  2.51953125e-01,  2.49023438e-02,  3.61328125e-01,
        -4.15039062e-02,  1.59912109e-02,  2.23388672e-02, -7.26562500e-01,
         1.02050781e-01, -1.47094727e-02, -2.87109375e-01, -1.88476562e-01,
         1.94335938e-01, -6.68945312e-02, -3.98437500e-01, -3.55468750e-01,
         4.06250000e-01,  2.53906250e-01,  2.22656250e-01,  4.58984375e-02,
        -3.73046875e-01,  2.18750000e-01, -7.17773438e-02,  7.86132812e-02,
         1.62109375e-01, -2.15820312e-01,  1.64062500e-01,  5.74218750e-01,
         2.50000000e-01, -7.76367188e-02, -3.58886719e-02,  2.94921875e-01,
        -1.63574219e-02,  2.34375000e-01, -7.47070312e-02,  3.73046875e-01,
        -9.08203125e-02, -1.42578125e-01,  7.76367188e-02, -7.32421875e-02,
        -1.04492188e-01, -8.15429688e-02,  8.34960938e-02,  1.50390625e-01,
        -3.86718750e-01, -2.83203125e-01,  1.49414062e-01, -2.02636719e-02,
         4.17480469e-02,  1.47460938e-01,  1.09375000e-01, -6.25000000e-02,
         3.51562500e-01, -6.22558594e-03,  1.36718750e-02, -3.80859375e-02,
        -1.91406250e-01, -4.78515625e-01,  3.20312500e-01, -3.69140625e-01,
        -1.69921875e-01, -1.16699219e-01, -2.38281250e-01,  7.51953125e-02,
         9.52148438e-02, -1.20117188e-01, -4.12109375e-01, -2.01171875e-01,
        -1.44531250e-01,  1.36718750e-01,  5.85937500e-02,  1.74804688e-01,
        -9.34600830e-04,  2.36816406e-02, -3.00781250e-01, -4.90234375e-01,
         1.61132812e-01,  2.33398438e-01, -2.34375000e-01,  2.33398438e-01,
         8.88671875e-02, -1.32812500e-01, -1.73828125e-01,  1.17675781e-01,
         7.37304688e-02, -3.28125000e-01, -2.92968750e-01,  1.67968750e-01,
         2.92968750e-01, -6.88476562e-02, -3.04687500e-01,  5.07812500e-01,
        -1.46484375e-01, -7.17773438e-02,  1.73828125e-01, -3.56445312e-02,
         1.88476562e-01, -3.73046875e-01, -2.23388672e-02, -2.50000000e-01,
        -1.98242188e-01, -3.88183594e-02,  1.51367188e-01,  3.88183594e-02,
         9.22851562e-02,  9.32617188e-02, -1.19018555e-02,  1.59179688e-01,
        -1.04003906e-01, -2.97851562e-02,  3.22265625e-01,  3.26171875e-01,
         1.56250000e-01, -6.78710938e-02, -9.66796875e-02,  4.44335938e-02,
         7.56835938e-02, -1.46484375e-01,  5.05371094e-02,  3.84765625e-01,
         5.67626953e-03, -1.33056641e-02, -1.36718750e-01,  2.75390625e-01,
        -1.69921875e-01, -1.57226562e-01,  2.02148438e-01,  3.28125000e-01,
         4.45312500e-01, -1.61132812e-01, -7.03125000e-02, -9.17968750e-02,
         3.35937500e-01,  1.23535156e-01, -2.02636719e-02,  1.59912109e-02,
        -3.14941406e-02, -6.64062500e-01,  2.37304688e-01, -4.35546875e-01,
         2.69531250e-01, -7.66601562e-02, -1.07910156e-01,  7.32421875e-02,
         3.32031250e-01, -4.00390625e-01,  7.61718750e-02,  1.00097656e-01,
         1.99218750e-01,  3.24249268e-04, -3.47656250e-01,  1.50146484e-02,
        -8.15429688e-02, -1.22070312e-01, -4.43359375e-01, -3.22265625e-01,
         7.27539062e-02,  2.11181641e-02,  5.78613281e-02, -2.92968750e-02,
         1.41601562e-02, -6.29882812e-02,  1.68457031e-02, -3.43750000e-01,
        -7.76367188e-02, -2.33398438e-01,  4.45312500e-01,  1.68945312e-01,
        -1.73828125e-01,  2.69531250e-01,  1.74804688e-01,  1.76757812e-01,
        -7.71484375e-02,  8.25195312e-02,  3.37890625e-01, -1.76757812e-01,
        -8.34960938e-02,  4.17480469e-02, -2.98828125e-01,  2.43164062e-01,
        -1.48437500e-01,  2.04101562e-01,  4.29687500e-02,  4.07714844e-02,
         2.35351562e-01, -1.45507812e-01, -3.02734375e-01,  2.40234375e-0
1],
       dtype=float32),
 'ut': array([-1.25000000e-01,  3.00781250e-01,  3.00781250e-01,  2.8906250
0e-01,
        -8.59375000e-02,  7.61718750e-02,  2.80761719e-02, -2.36328125e-01,
         3.17382812e-02,  5.44433594e-02, -1.64062500e-01, -2.46093750e-01,
        -3.47656250e-01,  2.09960938e-01, -2.01171875e-01,  1.77734375e-01,
         6.22558594e-02,  6.34765625e-02,  5.10253906e-02, -1.06933594e-01,
```

```
-2.43164062e-01, -6.17675781e-02,  2.51953125e-01,  1.49414062e-01,
-8.74023438e-02, -1.54296875e-01, -1.67968750e-01,  5.34057617e-03,
-4.61425781e-02, -1.77734375e-01,  1.10839844e-01,  1.64062500e-01,
 1.27929688e-01, -2.65625000e-01, -7.51953125e-02,  2.46582031e-02,
-2.46093750e-01,  3.76953125e-01,  1.66992188e-01,  2.39257812e-01,
-7.56835938e-03,  8.49609375e-02,  1.69921875e-01,  2.35595703e-02,
 1.69677734e-02,  6.44531250e-02,  1.01562500e-01, -1.79687500e-01,
-1.37695312e-01,  1.46484375e-01, -7.76367188e-02,  2.02148438e-01,
 1.15234375e-01,  2.63671875e-01, -2.30468750e-01,  4.37011719e-02,
-1.89453125e-01, -1.33789062e-01, -2.35595703e-02,  1.70898438e-03,
-2.61718750e-01,  6.22558594e-02, -1.81640625e-01, -1.81640625e-01,
-1.27929688e-01, -3.06640625e-01,  1.09863281e-01, -1.22070312e-01,
-1.82617188e-01,  8.20312500e-02, -1.69677734e-02,  2.22656250e-01,
 4.90722656e-02,  1.10351562e-01,  6.46972656e-03,  2.08007812e-01,
 1.35742188e-01, -5.76171875e-02, -9.37500000e-02, -1.73828125e-01,
-3.24218750e-01,  2.60009766e-02, -1.85546875e-01, -2.47070312e-01,
 7.42187500e-02,  8.98437500e-02, -1.18652344e-01,  3.32031250e-01,
-6.16455078e-03, -6.29882812e-02, -6.89697266e-03,  3.17382812e-02,
-5.29785156e-02, -1.35742188e-01,  1.95312500e-01,  1.48437500e-01,
-2.08007812e-01,  8.20312500e-02,  4.56542969e-02, -2.06054688e-01,
-2.19726562e-01,  9.22851562e-02,  1.01562500e-01,  3.14453125e-01,
-3.32031250e-02,  8.64257812e-02, -8.98437500e-02,  3.00781250e-01,
 4.39453125e-02, -1.38671875e-01, -1.90429688e-01, -1.59179688e-01,
 3.75000000e-01, -5.71289062e-02,  1.14257812e-01,  4.34570312e-02,
 8.34960938e-02, -8.25195312e-02, -1.04980469e-02,  7.81250000e-02,
 1.65039062e-01,  7.51953125e-02,  7.41577148e-03,  2.05078125e-01,
 1.81640625e-01, -2.02148438e-01, -3.61328125e-01, -1.05957031e-01,
 8.59375000e-02,  6.78710938e-02, -1.50390625e-01,  3.02734375e-02,
-6.73828125e-02, -3.68652344e-02,  4.68750000e-02, -1.37695312e-01,
-2.25585938e-01, -5.05371094e-02,  1.32812500e-01,  1.16699219e-01,
 1.27929688e-01, -3.26171875e-01,  1.17492676e-03, -6.78710938e-02,
-1.58203125e-01,  3.19824219e-02, -4.76837158e-04, -2.05078125e-02,
-2.44140625e-01,  3.27148438e-02,  1.48437500e-01, -1.78710938e-01,
-8.15429688e-02, -2.08007812e-01,  5.00488281e-03, -1.57226562e-01,
 3.61328125e-01,  2.27539062e-01,  2.35595703e-02, -8.69140625e-02,
 1.61132812e-01,  1.45507812e-01,  8.98437500e-02, -1.48437500e-01,
 2.05078125e-01, -1.66992188e-01, -2.11181641e-02,  2.02148438e-01,
-2.02148438e-01,  3.16619873e-04, -9.27734375e-02, -8.64257812e-02,
 6.39648438e-02, -2.53906250e-02,  7.17773438e-02,  2.55859375e-01,
 3.04687500e-01, -1.44531250e-01,  1.71875000e-01, -1.74804688e-01,
-1.77001953e-02, -6.07299805e-03,  2.04101562e-01,  1.33789062e-01,
-8.34960938e-02,  8.20312500e-02,  9.27734375e-03, -1.16210938e-01,
-9.27734375e-02,  1.16210938e-01,  1.56250000e-01, -4.83398438e-02,
-2.16796875e-01,  4.54101562e-02,  2.17773438e-01, -6.00585938e-02,
-1.06445312e-01,  1.38092041e-03,  6.39648438e-02,  5.83496094e-02,
-1.95312500e-01, -3.54003906e-02, -8.69140625e-02, -1.41601562e-01,
 1.64062500e-01, -3.12500000e-01,  1.15234375e-01,  7.95898438e-02,
-6.88476562e-02,  2.63671875e-01,  1.37695312e-01, -1.73339844e-02,
-2.59765625e-01, -5.27343750e-02, -1.49414062e-01, -4.08935547e-03,
 5.63964844e-02, -3.51562500e-01,  1.58691406e-02,  1.02539062e-01,
-2.44140625e-02, -3.21960449e-03,  3.82812500e-01,  1.07421875e-01,
 1.35742188e-01, -4.02832031e-02,  1.74804688e-01,  6.29882812e-02,
-1.11328125e-01, -1.41601562e-01, -1.44653320e-02, -3.51562500e-02,
 1.68457031e-02, -6.49414062e-02,  1.54296875e-01,  1.54296875e-01,
 8.83789062e-02, -6.03027344e-02,  1.43432617e-02,  8.88671875e-02,
 6.22558594e-02,  1.61132812e-01,  4.85839844e-02, -6.93359375e-02,
-1.26953125e-01, -1.27929688e-01,  1.00097656e-01,  3.06640625e-01,
 1.28906250e-01, -4.49218750e-02,  1.47460938e-01,  2.17773438e-01,
 2.11914062e-01,  1.55273438e-01,  2.69775391e-02, -1.90429688e-01,
-9.08203125e-02,  8.44726562e-02,  3.30078125e-01, -5.27343750e-02,
 1.47460938e-01,  5.51757812e-02,  2.23632812e-01,  5.57899475e-05,
-5.39550781e-02,  6.12792969e-02,  1.00097656e-01, -1.35742188e-01,
 2.60009766e-02, -8.49609375e-02, -1.72851562e-01, -8.69140625e-02,
 9.27734375e-02,  9.27734375e-02,  1.69677734e-02, -2.19726562e-01,
```

```
        -1.04492188e-01, -2.51953125e-01, -1.83593750e-01,  1.88476562e-01,
        -7.56835938e-02,  7.71484375e-02,  1.27929688e-01,  1.24023438e-01,
         9.32617188e-02,  7.47070312e-02, -5.59082031e-02, -4.15039062e-02,
        -1.70898438e-01,  5.43212891e-03, -4.24804688e-02,  4.61425781e-02,
         2.08740234e-02,  1.72851562e-01,  8.36181641e-03, -1.15234375e-01,
         2.74658203e-03, -5.76171875e-02, -1.59179688e-01,  1.68945312e-0
1],
       dtype=float32),
 'ili': array([ 0.00093842, -0.06298828,  0.09130859, -0.00726318,  0.06225
586,
        -0.04614258,  0.04101562, -0.00190735, -0.10009766,  0.12158203,
        -0.01239014, -0.06933594, -0.28125   ,  0.125     , -0.12695312,
         0.18847656, -0.0402832 ,  0.12792969, -0.140625  ,  0.05493164,
        -0.13671875,  0.03076172,  0.16992188,  0.06591797, -0.19042969,
        -0.16699219,  0.02441406, -0.01916504, -0.08447266, -0.14941406,
        -0.07568359, -0.02185059,  0.04614258, -0.15820312, -0.08251953,
        -0.00772095, -0.16601562,  0.05297852, -0.01239014, -0.06445312,
        -0.01843262,  0.03564453,  0.12402344,  0.12792969, -0.01538086,
        -0.12792969, -0.10107422, -0.22851562,  0.10888672,  0.05541992,
        -0.17382812,  0.17773438,  0.21191406, -0.00037575, -0.09375   ,
         0.20996094, -0.21972656, -0.17480469,  0.03540039, -0.22167969,
        -0.08154297,  0.07373047,  0.15136719,  0.06689453,  0.10400391,
        -0.18457031,  0.08935547, -0.03417969, -0.11962891,  0.03015137,
         0.01745605, -0.11425781, -0.04467773, -0.00534058, -0.05712891,
        -0.03466797,  0.05419922, -0.01477051,  0.01013184,  0.05908203,
        -0.00411987,  0.04443359,  0.03222656, -0.27148438, -0.13085938,
         0.02233887, -0.11230469,  0.11181641,  0.02319336, -0.046875  ,
        -0.1484375 , -0.05224609, -0.05615234, -0.03588867, -0.03466797,
         0.05810547, -0.05883789, -0.04785156,  0.02050781, -0.03979492,
        -0.06494141,  0.16992188,  0.02685547, -0.03979492, -0.109375  ,
         0.12207031,  0.08251953, -0.00640869, -0.03417969,  0.11376953,
        -0.12255859, -0.07177734,  0.1328125 , -0.16503906,  0.02209473,
         0.00933838,  0.01745605, -0.15722656, -0.12792969, -0.203125  ,
         0.25195312,  0.04321289, -0.15820312,  0.18457031,  0.11523438,
         0.17578125, -0.18847656,  0.08349609,  0.03540039, -0.01782227,
        -0.03173828, -0.00585938,  0.06176758,  0.16210938, -0.16601562,
         0.14941406, -0.11425781, -0.14453125,  0.27734375,  0.13671875,
         0.16796875, -0.09228516, -0.06591797,  0.16699219,  0.04296875,
         0.02966309, -0.07275391,  0.24414062, -0.0859375 , -0.01904297,
         0.28320312, -0.21582031, -0.03198242,  0.02429199,  0.01745605,
        -0.25195312,  0.02722168,  0.22363281,  0.15917969, -0.22851562,
         0.06738281, -0.00872803, -0.12792969,  0.078125  , -0.0625    ,
        -0.03979492,  0.234375  ,  0.00296021, -0.19433594,  0.00479126,
        -0.09863281,  0.11181641,  0.171875  , -0.01013184, -0.12255859,
         0.23242188,  0.08789062, -0.1953125 ,  0.18261719, -0.04858398,
         0.0625    , -0.08984375, -0.05908203, -0.03271484,  0.00280762,
         0.13769531, -0.01318359,  0.02893066, -0.08886719,  0.13378906,
        -0.00976562,  0.02819824,  0.00248718,  0.08154297,  0.04956055,
        -0.14257812, -0.04589844,  0.00096512,  0.00271606,  0.05541992,
         0.02563477, -0.078125  , -0.07568359, -0.13574219, -0.15917969,
        -0.1796875 ,  0.16210938,  0.02868652, -0.21679688,  0.12353516,
        -0.00466919,  0.08935547, -0.09326172,  0.0213623 , -0.01312256,
        -0.04199219, -0.05639648, -0.12988281, -0.08642578, -0.17382812,
        -0.07226562,  0.12353516,  0.06494141,  0.05078125,  0.02587891,
        -0.11865234, -0.02160645,  0.05493164, -0.03564453,  0.0480957 ,
         0.00753784, -0.12695312, -0.13671875,  0.140625  ,  0.18457031,
         0.12695312, -0.04272461,  0.02185059,  0.171875  ,  0.11914062,
        -0.05224609, -0.10839844,  0.04736328,  0.16699219,  0.001297  ,
        -0.03222656, -0.00305176,  0.21386719, -0.05029297,  0.00598145,
         0.08203125,  0.18652344,  0.10986328,  0.171875  ,  0.06445312,
        -0.05371094, -0.125     , -0.08886719, -0.02929688,  0.0390625 ,
         0.07373047,  0.08398438,  0.12890625, -0.16503906, -0.15429688,
        -0.07519531, -0.03442383, -0.11035156, -0.01647949, -0.11474609,
        -0.05102539, -0.12060547, -0.07763672,  0.14257812,  0.02404785,
```

```
         0.0546875 , -0.23046875, -0.04321289, -0.16796875,  0.08691406,
        -0.12988281, -0.08789062, -0.00585938, -0.11474609,  0.15820312,
        -0.14453125,  0.02478027,  0.20019531, -0.1796875 ,  0.21972656,
        -0.05078125,  0.0534668 , -0.10693359, -0.0201416 , -0.02929688,
        -0.00631714, -0.21679688, -0.03271484,  0.13476562,  0.27734375],
       dtype=float32),
 'pipeline': array([-0.375     ,  0.1875    ,  0.00515747, -0.15625   ,  0.
16699219,
        -0.28515625, -0.14941406, -0.1796875 ,  0.11425781, -0.01794434,
        -0.11865234, -0.03540039, -0.08642578, -0.23242188, -0.15625   ,
        -0.17578125, -0.3671875 , -0.1484375 , -0.09423828, -0.04223633,
         0.09716797, -0.05444336, -0.13183594,  0.17480469,  0.375     ,
        -0.11230469, -0.11279297,  0.11132812,  0.22753906,  0.12597656,
         0.00552368, -0.140625  , -0.42773438, -0.20800781, -0.23339844,
         0.21875   , -0.10253906,  0.10058594, -0.08398438, -0.06054688,
         0.01507568,  0.20019531, -0.01623535,  0.09912109, -0.22460938,
        -0.21386719, -0.03710938,  0.09472656, -0.23730469,  0.04589844,
         0.17480469, -0.16601562,  0.18554688,  0.16699219,  0.01586914,
        -0.3359375 , -0.04467773,  0.12304688,  0.41210938, -0.06054688,
         0.06347656, -0.22265625,  0.00582886,  0.07519531, -0.11083984,
        -0.02416992,  0.16210938,  0.41210938, -0.16210938, -0.04785156,
        -0.24511719, -0.09033203,  0.02148438, -0.30078125, -0.38867188,
         0.00588989, -0.22460938, -0.11181641,  0.45703125,  0.33007812,
        -0.29296875,  0.03515625, -0.375     , -0.10058594,  0.06396484,
         0.10058594, -0.31640625,  0.5859375 ,  0.29492188,  0.08789062,
         0.12890625, -0.03588867,  0.11376953,  0.15820312, -0.1640625 ,
        -0.296875  , -0.28515625, -0.0402832 ,  0.18261719, -0.0246582 ,
         0.09033203, -0.19726562,  0.16210938, -0.18554688,  0.17285156,
        -0.06152344, -0.09179688,  0.02624512,  0.35742188,  0.15820312,
        -0.08642578,  0.01226807,  0.02966309, -0.16015625,  0.34570312,
        -0.02404785, -0.02294922,  0.16503906,  0.13574219, -0.0234375 ,
        -0.10693359, -0.19726562, -0.07470703,  0.17382812, -0.03491211,
        -0.32421875, -0.359375  ,  0.15429688, -0.31835938, -0.06152344,
        -0.07910156,  0.20214844,  0.07421875, -0.13476562, -0.01239014,
        -0.01031494,  0.2109375 , -0.00952148,  0.02966309,  0.20898438,
        -0.390625  , -0.359375  ,  0.26757812,  0.20019531, -0.1640625 ,
        -0.07470703, -0.07373047, -0.05493164, -0.37304688,  0.0703125 ,
         0.30664062, -0.06542969,  0.10107422, -0.03955078,  0.08691406,
        -0.12792969, -0.3203125 , -0.11132812,  0.03491211,  0.20410156,
         0.3515625 ,  0.07421875, -0.25195312,  0.31640625,  0.09521484,
         0.39648438,  0.08300781, -0.31445312,  0.01470947,  0.33203125,
        -0.39257812, -0.06542969, -0.18457031, -0.24023438,  0.0456543 ,
        -0.42382812, -0.10107422, -0.32226562, -0.03173828,  0.08984375,
        -0.1796875 , -0.08398438, -0.05688477, -0.07958984, -0.17675781,
         0.37695312, -0.09228516,  0.1875    ,  0.08105469,  0.04370117,
        -0.31054688,  0.17675781, -0.06225586, -0.00366211,  0.03173828,
         0.01550293, -0.53125   ,  0.24316406,  0.07714844,  0.04638672,
         0.05859375,  0.19824219,  0.07958984,  0.22851562,  0.0201416 ,
         0.11962891,  0.00415039, -0.29296875,  0.27734375,  0.14941406,
        -0.27148438,  0.18652344, -0.23535156, -0.0065918 ,  0.12060547,
         0.13476562, -0.10498047,  0.04272461,  0.375     ,  0.265625  ,
        -0.11816406, -0.08154297,  0.24511719, -0.09277344,  0.11767578,
        -0.10205078, -0.15625   , -0.11328125,  0.16796875,  0.26367188,
         0.06542969,  0.29296875, -0.11865234,  0.05395508, -0.23632812,
         0.04516602,  0.15039062, -0.22265625,  0.25      , -0.24316406,
        -0.26757812,  0.14648438, -0.14550781,  0.11035156,  0.28320312,
        -0.03540039,  0.3515625 ,  0.10009766, -0.00202942, -0.10400391,
        -0.21972656,  0.02526855,  0.07861328,  0.25      , -0.11572266,
         0.265625  ,  0.20898438, -0.21777344, -0.22070312, -0.41992188,
         0.04541016, -0.33007812, -0.359375  ,  0.15039062,  0.109375  ,
         0.2734375 , -0.01794434, -0.24414062, -0.33203125,  0.01275635,
         0.24804688, -0.22265625, -0.06689453, -0.34765625,  0.23339844,
         0.31640625,  0.1484375 , -0.14355469,  0.19628906, -0.11035156,
         0.05004883,  0.20410156,  0.02526855,  0.11572266,  0.06640625,
```

```
        -0.18847656, -0.13378906,  0.37695312,  0.5       , -0.23339844,
         0.234375  , -0.18066406, -0.07519531,  0.26757812, -0.0090332 ,
         0.15625   ,  0.02966309,  0.06079102,  0.2265625 , -0.05688477],
       dtype=float32),
 'efficiently': array([-0.23242188, -0.05932617, -0.18554688, -0.08203125,
-0.13964844,
        -0.18164062,  0.04785156,  0.20507812,  0.10742188, -0.22558594,
         0.04858398, -0.10498047,  0.203125  ,  0.3203125 , -0.10205078,
         0.06347656, -0.2890625 ,  0.3359375 ,  0.01269531,  0.23632812,
         0.0859375 , -0.08398438,  0.11181641,  0.21875   ,  0.0013504 ,
        -0.07519531,  0.02929688, -0.11474609, -0.12011719, -0.08496094,
         0.11767578,  0.2734375 , -0.01116943, -0.20800781,  0.04663086,
        -0.02636719, -0.03955078, -0.06591797,  0.34179688,  0.09667969,
         0.11914062, -0.07470703, -0.03466797,  0.05688477, -0.07275391,
        -0.29492188, -0.22949219,  0.16699219, -0.09570312,  0.09228516,
         0.07763672,  0.03222656, -0.12695312, -0.16894531, -0.28515625,
        -0.06640625, -0.01599121, -0.29296875,  0.11083984,  0.05200195,
         0.234375  , -0.01116943, -0.43164062, -0.10546875,  0.02563477,
         0.26367188, -0.15917969, -0.04443359, -0.15234375,  0.00098419,
         0.18652344, -0.04125977,  0.29882812, -0.36328125, -0.16601562,
        -0.33203125,  0.2890625 ,  0.31835938,  0.13867188, -0.06298828,
        -0.234375  ,  0.27148438, -0.01977539,  0.08935547,  0.19628906,
        -0.04077148, -0.26757812,  0.38085938, -0.00387573,  0.54296875,
        -0.03112793,  0.04760742, -0.14453125,  0.10888672, -0.24316406,
        -0.08886719, -0.15527344, -0.01831055,  0.08837891,  0.12695312,
         0.04492188, -0.19238281,  0.11914062,  0.20800781, -0.16796875,
        -0.07080078, -0.20800781,  0.08496094,  0.23535156,  0.08105469,
        -0.04443359, -0.18847656, -0.11816406, -0.03125   ,  0.26367188,
         0.29492188,  0.25585938, -0.140625  ,  0.02197266,  0.21777344,
        -0.36523438,  0.0078125 ,  0.203125  , -0.07324219,  0.05932617,
         0.04492188, -0.19140625,  0.10498047,  0.11279297, -0.02062988,
         0.16308594,  0.06542969,  0.16992188,  0.10351562,  0.01452637,
        -0.09814453,  0.15722656,  0.01721191,  0.10351562, -0.00195312,
         0.203125  , -0.40625   , -0.13671875,  0.09082031,  0.08642578,
        -0.03833008, -0.13769531, -0.08447266,  0.30273438, -0.02709961,
        -0.0279541 ,  0.03198242, -0.03637695,  0.27539062,  0.07373047,
         0.19433594,  0.11035156,  0.19628906, -0.27929688, -0.22753906,
         0.01879883,  0.22363281,  0.09179688,  0.11865234,  0.06445312,
         0.03417969, -0.3046875 , -0.0291748 ,  0.18261719, -0.0625    ,
        -0.10009766,  0.06347656, -0.06542969,  0.11962891, -0.12255859,
         0.20898438,  0.18457031, -0.29492188, -0.43164062, -0.16308594,
        -0.11621094,  0.10058594,  0.08056641, -0.2265625 , -0.13867188,
         0.01062012,  0.09179688,  0.07373047, -0.11962891,  0.08251953,
        -0.20019531, -0.07861328,  0.01361084, -0.08935547,  0.06005859,
        -0.40234375,  0.04614258, -0.203125  ,  0.25585938, -0.11865234,
         0.04296875, -0.01513672,  0.07470703,  0.16308594,  0.02697754,
        -0.21972656, -0.08251953, -0.11962891, -0.09716797, -0.10986328,
        -0.1328125 , -0.01239014, -0.15722656,  0.04248047,  0.05444336,
        -0.13964844, -0.09912109,  0.17089844, -0.15332031,  0.09228516,
        -0.00421143, -0.07617188, -0.22070312, -0.08642578, -0.20117188,
        -0.06494141, -0.17675781,  0.0100708 , -0.06982422, -0.1484375 ,
         0.18164062,  0.10205078,  0.42773438, -0.00375366, -0.09277344,
        -0.10791016, -0.26171875,  0.20605469, -0.04321289,  0.12695312,
        -0.30078125,  0.08691406,  0.05297852, -0.22851562, -0.01623535,
        -0.08300781,  0.00389099,  0.02319336, -0.06030273, -0.25195312,
         0.02539062,  0.01635742,  0.00118256,  0.11523438,  0.06884766,
        -0.1484375 , -0.04931641, -0.15722656, -0.17773438, -0.25390625,
         0.17480469, -0.01940918, -0.0625    ,  0.18652344, -0.03686523,
        -0.11572266,  0.31054688, -0.12109375, -0.10546875,  0.08837891,
         0.20605469, -0.03735352, -0.20117188,  0.26757812, -0.08447266,
        -0.15527344, -0.18554688,  0.02270508, -0.0090332 , -0.07470703,
        -0.15917969,  0.29296875,  0.06079102,  0.17285156,  0.07617188,
         0.28515625,  0.09326172,  0.10644531,  0.51171875,  0.23730469,
        -0.20019531,  0.02844238, -0.14941406,  0.16699219, -0.09082031,
```

```
         0.31835938, -0.18847656, -0.16308594, -0.12792969,  0.04492188],
        dtype=float32),
 'engineer': array([-0.02490234, -0.04150391, -0.01135254, -0.19238281, -0.
11376953,
         0.36523438, -0.1640625 , -0.21972656, -0.02233887, -0.08251953,
        -0.10595703, -0.16308594, -0.10839844, -0.29882812, -0.22460938,
         0.14550781,  0.02099609, -0.296875  ,  0.02392578, -0.04711914,
        -0.2578125 ,  0.28710938, -0.18652344,  0.00439453,  0.38476562,
        -0.14453125, -0.02661133, -0.012146  , -0.34375   , -0.19824219,
         0.109375  ,  0.0559082 , -0.16503906,  0.1484375 ,  0.21289062,
        -0.21875   ,  0.30078125,  0.359375  ,  0.06225586, -0.125     ,
        -0.04077148, -0.10986328,  0.29882812,  0.04345703, -0.09814453,
        -0.24023438, -0.32617188,  0.23828125,  0.01977539,  0.08447266,
        -0.22363281,  0.03271484,  0.14160156, -0.09228516,  0.13671875,
         0.01843262,  0.18945312, -0.2578125 ,  0.00218201, -0.1875    ,
         0.13769531, -0.14257812, -0.30664062,  0.0324707 , -0.20214844,
         0.11914062, -0.01757812,  0.328125  ,  0.0013504 ,  0.06884766,
        -0.13867188, -0.14941406,  0.01019287, -0.19238281, -0.19335938,
         0.27148438,  0.04760742, -0.04150391, -0.31835938,  0.03930664,
         0.265625  ,  0.27148438, -0.18554688,  0.16699219,  0.06445312,
         0.11523438,  0.05322266,  0.07324219, -0.20410156,  0.2265625 ,
         0.15136719, -0.00793457, -0.51171875,  0.31835938,  0.00952148,
         0.20117188, -0.23632812, -0.09423828,  0.14453125,  0.21875   ,
        -0.12304688, -0.20019531, -0.12890625,  0.06689453,  0.10009766,
        -0.12011719, -0.16796875,  0.21484375, -0.0324707 ,  0.16210938,
         0.01135254, -0.2578125 , -0.02856445, -0.2890625 , -0.04296875,
        -0.00994873, -0.26757812,  0.28125   ,  0.32421875,  0.15429688,
         0.06835938,  0.13769531, -0.36914062, -0.23046875,  0.00518799,
         0.12988281, -0.05712891, -0.47265625,  0.33984375,  0.22851562,
         0.07470703, -0.02929688, -0.10253906, -0.07910156,  0.13574219,
        -0.01818848, -0.27148438,  0.19628906, -0.26757812,  0.44140625,
        -0.0234375 ,  0.09863281, -0.17480469,  0.26171875, -0.296875  ,
         0.05053711, -0.25      , -0.06445312, -0.15332031,  0.05004883,
         0.05712891, -0.01202393, -0.11425781,  0.26171875, -0.34765625,
         0.10449219, -0.07763672,  0.34765625, -0.04931641, -0.34960938,
        -0.03833008,  0.11474609, -0.01428223,  0.22460938,  0.39257812,
         0.07958984,  0.19433594, -0.02416992,  0.37109375, -0.08154297,
         0.24316406,  0.19042969, -0.20117188, -0.15625   ,  0.2890625 ,
        -0.01635742, -0.01013184, -0.08251953, -0.22558594,  0.03540039,
         0.00921631, -0.10742188, -0.11328125, -0.07373047,  0.25390625,
         0.05444336, -0.03833008, -0.18261719, -0.09179688, -0.02990723,
        -0.10498047,  0.296875  , -0.04003906,  0.0201416 , -0.01049805,
         0.04760742, -0.03039551,  0.18066406, -0.43554688,  0.08984375,
        -0.24902344,  0.296875  ,  0.04760742,  0.09814453, -0.012146  ,
         0.06494141, -0.08056641, -0.3125    , -0.03588867, -0.11035156,
        -0.13867188, -0.203125  ,  0.12792969,  0.0067749 ,  0.10693359,
         0.16015625, -0.1796875 , -0.17675781,  0.10742188, -0.13574219,
         0.12695312, -0.390625  ,  0.09814453,  0.04907227,  0.02392578,
        -0.19042969, -0.01843262,  0.02868652, -0.20703125,  0.08203125,
         0.125     , -0.2421875 , -0.35351562, -0.390625  , -0.16992188,
        -0.22363281,  0.2421875 , -0.43359375,  0.08886719,  0.15527344,
        -0.140625  , -0.12451172, -0.47265625,  0.09570312,  0.046875  ,
        -0.18164062, -0.6015625 , -0.28710938,  0.11132812, -0.21191406,
        -0.18652344, -0.12597656, -0.203125  ,  0.09326172,  0.11621094,
         0.01470947, -0.13085938, -0.06494141, -0.15625   , -0.234375  ,
        -0.18652344, -0.17578125,  0.3125    , -0.16015625,  0.05761719,
         0.26953125, -0.23144531, -0.08789062, -0.1484375 ,  0.14648438,
        -0.07128906, -0.6015625 ,  0.10449219,  0.0456543 , -0.19042969,
         0.01171875, -0.16992188, -0.03088379, -0.0456543 , -0.46875   ,
         0.13964844,  0.08642578, -0.1328125 ,  0.26171875,  0.03295898,
         0.16210938,  0.14648438, -0.11425781,  0.26757812,  0.08007812,
        -0.13085938,  0.04711914, -0.20410156,  0.11962891, -0.01623535,
        -0.1796875 , -0.17675781, -0.28320312,  0.12011719, -0.03320312],
        dtype=float32),
```

```
 'finalization': array([-2.59765625e-01,  2.07031250e-01, -1.45507812e-01,
1.10351562e-01,
        -5.68847656e-02, -2.73437500e-01,  1.63085938e-01, -2.15820312e-01,
         4.33593750e-01,  8.74023438e-02, -9.17968750e-02,  9.96093750e-02,
        -3.29589844e-02,  6.14166260e-04, -2.87109375e-01,  1.17675781e-01,
         1.19628906e-01, -1.66992188e-01, -2.13867188e-01,  1.14746094e-01,
        -2.98828125e-01,  1.28906250e-01,  5.81054688e-02,  8.78906250e-02,
         2.19726562e-01,  2.38281250e-01, -2.85339355e-03, -3.08593750e-01,
         9.70458984e-03, -1.53320312e-01,  8.00781250e-02, -3.06640625e-01,
         2.34375000e-02,  2.53906250e-01, -1.14257812e-01,  1.08398438e-01,
         3.78417969e-03, -1.49414062e-01,  4.53125000e-01, -5.11718750e-01,
        -1.62353516e-02, -1.73828125e-01,  2.57812500e-01,  2.75390625e-01,
        -1.74804688e-01, -3.22265625e-01, -8.10546875e-02,  4.51660156e-02,
        -2.67578125e-01,  1.31835938e-01, -7.76367188e-02,  3.93676758e-03,
         8.64257812e-02, -2.07031250e-01, -3.75976562e-02,  2.06054688e-01,
        -1.20544434e-03, -6.17675781e-02,  1.74804688e-01,  2.45117188e-01,
        -4.10156250e-01, -8.00781250e-02, -9.91210938e-02, -1.71875000e-01,
         1.53320312e-01,  3.35937500e-01, -5.46875000e-02, -4.63867188e-02,
        -1.16210938e-01,  4.46777344e-02,  4.90722656e-02, -1.62109375e-01,
        -1.25976562e-01,  3.90625000e-01, -1.19628906e-01, -8.88671875e-02,
         1.23046875e-01,  2.14843750e-01, -8.20312500e-02,  4.96093750e-01,
         2.14843750e-01, -1.70898438e-01,  4.85839844e-02,  2.71484375e-01,
         2.53906250e-01, -3.71093750e-02, -6.49414062e-02,  8.34960938e-02,
         1.56250000e-01, -2.50244141e-02,  2.26562500e-01, -8.39843750e-02,
         1.66015625e-01, -1.37695312e-01, -9.32617188e-02, -1.59179688e-01,
        -1.87500000e-01, -2.15820312e-01, -2.60009766e-02, -3.17382812e-02,
         4.66308594e-02,  1.96289062e-01,  8.98437500e-02, -1.53320312e-01,
         1.54296875e-01,  1.26953125e-01, -1.24023438e-01,  6.49414062e-02,
         6.29882812e-02, -2.58789062e-02,  1.92382812e-01,  2.45117188e-01,
         6.39648438e-02, -3.71093750e-02,  7.08007812e-02,  2.73437500e-01,
        -1.50390625e-01,  2.42919922e-02,  3.65234375e-01, -9.71679688e-02,
         6.54296875e-02,  1.39160156e-02, -1.02050781e-01, -2.89306641e-02,
        -4.24804688e-02,  1.76757812e-01, -2.91015625e-01,  2.79541016e-02,
        -3.80859375e-01,  3.10546875e-01,  1.51367188e-01,  1.51367188e-01,
        -2.07031250e-01, -1.45507812e-01, -3.35937500e-01,  8.74023438e-02,
         1.67968750e-01,  8.91113281e-03,  7.12890625e-02,  5.71289062e-02,
        -4.07714844e-02,  6.20117188e-02, -3.22265625e-01,  1.01318359e-02,
        -3.36914062e-02,  2.17773438e-01, -1.88476562e-01,  1.90429688e-01,
        -1.27929688e-01,  3.54003906e-02,  3.61328125e-01, -3.83300781e-02,
         7.61718750e-02, -1.01562500e-01, -2.16064453e-02, -1.30615234e-02,
         1.67968750e-01, -6.39648438e-02,  7.03125000e-02,  1.20605469e-01,
        -1.90429688e-01, -1.42578125e-01, -8.49609375e-02, -1.30859375e-01,
        -1.62109375e-01,  8.05664062e-02,  2.16064453e-02,  8.64257812e-02,
         1.22070312e-02, -1.08886719e-01, -3.41796875e-03, -2.53906250e-01,
         2.23632812e-01, -1.21093750e-01,  2.02148438e-01, -9.52148438e-02,
         7.71484375e-02, -2.96875000e-01,  2.92968750e-01, -5.02929688e-02,
        -1.06933594e-01, -4.61425781e-02,  2.49023438e-01,  5.15136719e-02,
        -3.29589844e-02,  2.26562500e-01, -5.07812500e-02,  2.73437500e-01,
         1.95312500e-01,  3.33984375e-01, -1.05468750e-01,  1.00097656e-01,
        -3.41796875e-01, -2.20703125e-01,  1.47460938e-01,  1.25976562e-01,
        -5.79833984e-03, -5.93261719e-02,  6.20117188e-02, -1.61132812e-02,
         3.06640625e-01,  4.56542969e-02, -2.75878906e-02, -1.23535156e-01,
         1.10473633e-02,  1.20117188e-01,  8.88671875e-02, -2.39257812e-02,
         5.42968750e-01,  4.00390625e-01,  2.51953125e-01, -1.54296875e-01,
         4.76074219e-02,  2.67578125e-01, -3.54003906e-02,  3.68652344e-02,
         2.07031250e-01,  6.03027344e-02,  8.05664062e-02, -1.38671875e-01,
        -8.05664062e-02,  4.93164062e-02, -1.54296875e-01,  3.20312500e-01,
         1.50756836e-02, -2.35351562e-01,  9.96093750e-02,  1.86523438e-01,
        -2.07519531e-02,  8.05664062e-02,  3.51562500e-02,  3.49609375e-01,
        -1.71875000e-01,  1.29882812e-01,  8.39843750e-02, -5.20019531e-02,
         1.99218750e-01, -8.15429688e-02,  8.30078125e-02, -8.49609375e-02,
         3.93676758e-03, -1.33789062e-01, -2.31445312e-01, -1.92382812e-01,
        -1.67968750e-01, -3.47656250e-01, -1.47460938e-01,  5.85937500e-03,
        -1.06811523e-02,  1.56250000e-01,  3.29589844e-02,  6.36718750e-01,
```

```
        -9.58251953e-03, -6.44531250e-02,  1.34765625e-01,  1.07910156e-01,
         6.59179688e-02, -2.08007812e-01, -8.69140625e-02,  2.73437500e-02,
         1.00585938e-01, -2.48046875e-01, -6.12792969e-02, -1.46484375e-02,
         6.98242188e-02,  1.96533203e-02, -7.44628906e-03, -4.00390625e-02,
        -1.89453125e-01, -3.46679688e-02,  2.09960938e-01,  4.93164062e-02,
        -3.88183594e-02, -2.19726562e-01,  1.99218750e-01,  3.10546875e-01,
         4.37011719e-02,  5.81054688e-02, -3.39843750e-01,  3.32031250e-02,
         2.08007812e-01,  2.06298828e-02, -2.04101562e-01,  5.35156250e-01,
         2.28515625e-01,  2.02148438e-01,  5.68847656e-02,  3.56445312e-02,
         1.83105469e-02, -1.31835938e-01, -2.44140625e-02,  5.63964844e-02,
         1.16577148e-02, -6.49414062e-02,  2.10937500e-01,  2.51953125e-01,
        -1.79687500e-01,  4.37011719e-02, -2.29492188e-01, -1.30859375e-0
1],
       dtype=float32),
 'inline': array([-0.11083984,  0.06933594,  0.14550781,  0.27539062, -0.29
6875  ,
         0.21777344,  0.03564453,  0.12207031, -0.12988281,  0.25195312,
         0.078125  , -0.05786133,  0.07617188, -0.29101562,  0.04199219,
         0.03369141, -0.00799561, -0.09570312,  0.15332031, -0.11425781,
        -0.01123047,  0.19335938, -0.33007812,  0.12060547, -0.04736328,
         0.03491211, -0.02441406,  0.5390625 ,  0.38671875, -0.22265625,
        -0.13085938, -0.05664062,  0.04492188,  0.33203125, -0.07910156,
        -0.01123047, -0.14355469, -0.05419922, -0.09423828,  0.1484375 ,
         0.2265625 , -0.06152344,  0.22265625,  0.24316406,  0.0045166 ,
        -0.17285156, -0.13378906, -0.2578125 ,  0.16699219,  0.06201172,
         0.05419922, -0.12060547, -0.16699219, -0.1640625 , -0.03515625,
         0.07177734,  0.03344727,  0.13085938,  0.33007812, -0.0559082 ,
        -0.06347656, -0.08398438, -0.33007812, -0.2265625 ,  0.01043701,
        -0.06835938, -0.03442383, -0.06494141,  0.27148438,  0.13476562,
         0.16113281, -0.09472656,  0.14257812,  0.18359375,  0.04541016,
        -0.0279541 ,  0.29882812, -0.234375  ,  0.17675781, -0.09130859,
        -0.07324219,  0.18945312, -0.04296875,  0.07666016,  0.40234375,
         0.02404785, -0.203125  , -0.07226562, -0.02990723,  0.14941406,
         0.06396484, -0.24511719, -0.20703125,  0.16210938, -0.14355469,
         0.03613281, -0.03857422,  0.00653076,  0.13085938,  0.02087402,
        -0.01672363, -0.23730469,  0.10693359,  0.03955078, -0.10253906,
        -0.03613281, -0.265625  ,  0.2109375 ,  0.07666016, -0.07275391,
        -0.03369141, -0.06494141, -0.15234375,  0.27148438,  0.04223633,
         0.20996094, -0.09277344, -0.02026367, -0.16601562, -0.26953125,
        -0.07226562, -0.06152344,  0.10546875, -0.03076172,  0.30859375,
        -0.13085938, -0.06445312,  0.19042969,  0.08740234,  0.30078125,
         0.01879883,  0.21191406,  0.13085938,  0.22363281,  0.02319336,
         0.01080322,  0.15136719,  0.01989746,  0.09033203,  0.14453125,
         0.28320312, -0.08642578, -0.18359375,  0.02062988, -0.05249023,
         0.07421875, -0.01171875,  0.140625  ,  0.03295898,  0.23242188,
         0.09619141, -0.20410156, -0.04467773, -0.00909424, -0.109375  ,
         0.26953125, -0.51953125,  0.14550781, -0.01196289,  0.08105469,
         0.00296021,  0.23535156, -0.04956055,  0.04199219,  0.21484375,
        -0.01586914,  0.00927734,  0.09472656, -0.14550781,  0.02661133,
        -0.4921875 , -0.25390625, -0.14453125,  0.06982422, -0.01794434,
         0.20410156,  0.12988281, -0.1796875 ,  0.12792969, -0.19042969,
        -0.390625  , -0.10693359,  0.11914062,  0.31054688,  0.04541016,
        -0.1015625 ,  0.08691406,  0.00323486, -0.03173828,  0.24316406,
        -0.12792969, -0.03198242, -0.15039062, -0.06494141,  0.07373047,
        -0.19726562,  0.10839844,  0.00476074, -0.06787109, -0.14941406,
         0.09667969,  0.01977539,  0.12158203,  0.09423828,  0.08691406,
        -0.10742188, -0.23828125, -0.2265625 ,  0.19433594,  0.06225586,
         0.41796875, -0.21875   , -0.29101562,  0.08740234, -0.02807617,
        -0.14453125,  0.27734375,  0.21777344, -0.33789062,  0.04833984,
        -0.27148438,  0.1015625 ,  0.00720215, -0.20214844,  0.0703125 ,
        -0.22851562, -0.06176758, -0.0859375 ,  0.12792969,  0.08251953,
        -0.00202942,  0.29101562,  0.15625   ,  0.04492188, -0.04614258,
        -0.12988281,  0.11083984, -0.29882812,  0.12060547,  0.07373047,
        -0.09960938, -0.14550781, -0.10693359, -0.21875   , -0.14257812,
```

```
        -0.08251953, -0.3046875 ,  0.2734375 ,  0.02929688, -0.25976562,
         0.19921875, -0.01782227, -0.04394531,  0.13574219,  0.09277344,
        -0.03015137,  0.02575684, -0.02966309,  0.02429199,  0.02966309,
         0.32617188,  0.11767578,  0.26757812, -0.16015625,  0.01660156,
         0.125     ,  0.10742188, -0.33007812, -0.04394531, -0.05859375,
         0.265625  , -0.09472656, -0.16308594, -0.33789062,  0.08740234,
        -0.09130859, -0.00396729, -0.16210938,  0.19433594,  0.31445312,
        -0.02001953, -0.11181641, -0.21679688,  0.04638672,  0.06396484,
        -0.02661133,  0.18261719, -0.10400391,  0.00646973, -0.06542969,
         0.10839844, -0.13183594,  0.11523438,  0.09765625,  0.00762939,
        -0.01757812,  0.06347656,  0.12304688, -0.26171875, -0.18164062],
       dtype=float32),
 'completing': array([-1.98242188e-01,  7.17773438e-02, -2.73437500e-01, -
8.25195312e-02,
         6.73828125e-02, -1.46484375e-01, -2.16064453e-02, -1.46484375e-03,
         3.10546875e-01, -4.80957031e-02,  6.93359375e-02, -8.88671875e-02,
        -7.12890625e-02,  1.84570312e-01,  3.24707031e-02,  1.56250000e-02,
         1.41601562e-01, -2.67578125e-01, -1.27563477e-02, -1.43554688e-01,
        -1.46484375e-01,  1.03027344e-01, -1.76757812e-01,  1.88476562e-01,
         2.37304688e-01, -8.34960938e-02, -6.83593750e-02, -1.45507812e-01,
        -1.46484375e-01,  1.76757812e-01,  2.46093750e-01, -4.02832031e-02,
        -4.02832031e-02, -1.56250000e-02, -2.87109375e-01,  2.63671875e-01,
        -1.10351562e-01, -1.25000000e-01,  1.60156250e-01, -1.50390625e-01,
        -5.46875000e-02, -4.80957031e-02, -3.78417969e-02,  4.37500000e-01,
        -1.72851562e-01, -1.00585938e-01,  8.44726562e-02,  6.39648438e-02,
        -5.12695312e-02,  1.58691406e-02,  7.56835938e-02,  7.27539062e-02,
         9.08203125e-02, -1.67236328e-02, -5.93261719e-02,  4.29687500e-01,
        -6.25000000e-02, -1.00585938e-01,  1.73339844e-02, -1.49414062e-01,
        -3.80859375e-02,  2.01171875e-01,  5.05371094e-02, -4.49218750e-01,
         3.12500000e-02,  1.50390625e-01, -1.63085938e-01, -2.16796875e-01,
        -8.83789062e-02, -6.98852539e-03, -4.61425781e-02, -8.64257812e-02,
         5.73730469e-02,  4.05273438e-02,  2.03857422e-02, -2.09960938e-01,
         6.49414062e-02,  6.07910156e-02, -1.29394531e-02, -1.61132812e-02,
        -1.87500000e-01, -8.74023438e-02, -6.34765625e-02, -4.80957031e-02,
         2.92968750e-01, -7.86132812e-02,  5.02929688e-02, -5.49316406e-02,
         4.35546875e-01,  8.88671875e-02, -1.42578125e-01, -1.01562500e-01,
        -6.44531250e-02, -1.26953125e-01,  5.39550781e-02, -2.24609375e-02,
        -2.90527344e-02, -2.47070312e-01, -1.13769531e-01,  2.08984375e-01,
        -6.73828125e-02, -2.30468750e-01,  4.27246094e-02, -8.39843750e-02,
        -1.27929688e-01, -1.79687500e-01,  2.53906250e-02, -1.39648438e-01,
         4.71191406e-02,  1.51634216e-04,  8.66699219e-03,  1.60156250e-01,
        -3.66210938e-02, -5.49316406e-02,  1.76757812e-01,  3.43750000e-01,
         2.06298828e-02,  1.38671875e-01,  2.55859375e-01,  8.25195312e-02,
        -1.81640625e-01,  5.83496094e-02,  1.90429688e-01,  2.24609375e-01,
        -6.46972656e-03,  1.84570312e-01, -4.07714844e-02, -1.64062500e-01,
        -8.30078125e-02,  2.85156250e-01, -2.57568359e-02, -9.61914062e-02,
        -3.00781250e-01, -1.94335938e-01, -2.05078125e-01,  1.49414062e-01,
        -1.04003906e-01, -8.97216797e-03, -1.50390625e-01,  3.59375000e-01,
        -2.53906250e-01, -2.55859375e-01, -2.69531250e-01,  2.61718750e-01,
        -2.34375000e-02,  1.47460938e-01, -2.71484375e-01, -1.15234375e-01,
        -2.51953125e-01, -1.91406250e-01,  7.01904297e-03,  1.47460938e-01,
        -3.68652344e-02,  3.34167480e-03,  4.41894531e-02, -2.56347656e-02,
        -1.28784180e-02, -1.56250000e-01, -3.27148438e-02,  2.33398438e-01,
         7.12890625e-02,  6.00585938e-02, -1.42211914e-02,  2.96630859e-02,
        -2.53906250e-01, -1.64794922e-03,  1.40625000e-01, -1.92260742e-03,
        -3.88183594e-02, -2.14843750e-01,  1.28906250e-01, -4.45312500e-01,
        -3.15856934e-03, -1.80664062e-02,  8.74023438e-02, -7.22656250e-02,
         1.50756836e-02, -3.08837891e-02, -1.07421875e-01, -2.86865234e-02,
         6.03027344e-02, -8.39843750e-02,  1.74560547e-02,  1.99218750e-01,
        -6.22558594e-02,  6.68945312e-02, -1.20849609e-02, -1.17675781e-01,
         1.97265625e-01, -2.31933594e-03, -9.27734375e-02,  8.74023438e-02,
         9.58251953e-03, -2.04101562e-01, -1.97265625e-01,  2.58789062e-02,
         2.63671875e-01,  8.44726562e-02,  4.12597656e-02, -3.75976562e-02,
         3.40270996e-03,  1.63085938e-01,  7.56835938e-02, -1.59179688e-01,
```

```
         2.18750000e-01,  2.12890625e-01, -2.20703125e-01,  9.61914062e-02,
         1.16210938e-01, -2.01416016e-03, -1.40991211e-02,  2.18750000e-01,
         4.66308594e-02,  1.09863281e-03, -1.26342773e-02,  1.22070312e-01,
        -1.27929688e-01, -5.83496094e-02, -1.90429688e-02, -1.89453125e-01,
         1.30859375e-01, -1.49414062e-01, -1.08398438e-01,  7.17773438e-02,
         2.73437500e-01, -1.29882812e-01, -1.57470703e-02, -1.49414062e-01,
         1.61132812e-02, -2.51953125e-01,  1.97265625e-01,  1.16210938e-01,
        -2.51770020e-03,  8.05664062e-02, -3.46679688e-02, -6.64062500e-02,
         9.17968750e-02, -8.74023438e-02, -4.91333008e-03,  9.13085938e-02,
        -2.29492188e-01,  1.04980469e-01, -3.45703125e-01, -2.87109375e-01,
         1.89453125e-01, -3.24218750e-01, -2.09960938e-01,  5.56640625e-02,
        -1.20605469e-01, -1.51367188e-01,  5.17578125e-02,  1.60156250e-01,
         9.76562500e-02,  2.96875000e-01, -1.31835938e-01,  1.84570312e-01,
         3.20312500e-01, -4.49218750e-02, -1.30859375e-01,  8.93554688e-02,
         1.47094727e-02,  8.48388672e-03,  1.69921875e-01, -1.23535156e-01,
         3.18359375e-01, -3.36914062e-02,  3.75000000e-01,  4.49218750e-02,
         1.74804688e-01,  2.48046875e-01,  2.50000000e-01, -1.30859375e-01,
         2.17285156e-02, -6.54296875e-02,  1.29882812e-01, -5.29785156e-02,
        -4.00390625e-02, -7.47070312e-02, -1.54296875e-01, -6.44531250e-02,
         2.63671875e-01,  1.06445312e-01, -2.50000000e-01,  2.65625000e-01,
        -6.64062500e-02,  1.42578125e-01,  1.07421875e-01,  1.81640625e-01,
         1.79687500e-01,  4.02832031e-02, -2.83203125e-01,  2.20703125e-01,
        -3.16406250e-01,  8.34960938e-02, -3.68652344e-02,  6.44531250e-02,
         6.39648438e-02,  2.19726562e-01,  1.90429688e-01, -3.29589844e-0
2],
       dtype=float32),
 'evaluating': array([-3.55468750e-01,  2.34375000e-01,  2.36816406e-02, -
4.49218750e-02,
         7.81250000e-02,  1.80664062e-01, -3.58886719e-02, -1.63085938e-01,
         1.74804688e-01, -1.20605469e-01, -1.64062500e-01, -1.03027344e-01,
        -4.90722656e-02,  1.15722656e-01,  7.81250000e-02, -2.13867188e-01,
        -3.63281250e-01, -5.56640625e-02, -2.65625000e-01, -1.05468750e-01,
        -2.60925293e-03, -4.05273438e-02, -5.39062500e-01,  1.56250000e-01,
         7.51953125e-02, -1.15356445e-02, -2.30468750e-01,  8.15429688e-02,
        -1.66015625e-01,  1.60156250e-01,  2.24609375e-02, -7.91015625e-02,
        -3.39355469e-02,  1.74804688e-01, -1.19628906e-01, -6.68945312e-02,
        -6.12792969e-02, -1.96289062e-01,  2.03125000e-01, -6.68945312e-02,
         1.03515625e-01,  1.06933594e-01,  3.71093750e-02, -2.72216797e-02,
        -2.83203125e-01, -8.64257812e-02,  6.25000000e-02, -1.17187500e-02,
         6.53076172e-03,  2.59765625e-01,  1.53320312e-01,  1.01562500e-01,
        -2.85156250e-01, -2.22656250e-01, -6.44531250e-02,  2.05078125e-01,
         8.15429688e-02, -1.46484375e-01,  3.96484375e-01,  1.52343750e-01,
        -1.64062500e-01,  3.18359375e-01,  1.40625000e-01, -9.03320312e-02,
         2.50000000e-01,  7.72094727e-03,  2.31933594e-02,  1.41601562e-01,
        -5.59082031e-02, -2.81250000e-01, -4.61425781e-02, -1.11328125e-01,
         1.07421875e-02, -8.34960938e-02, -1.52343750e-01, -3.39843750e-01,
         2.63671875e-01, -1.37695312e-01,  8.59375000e-02,  5.97656250e-01,
         4.66308594e-02, -1.08398438e-01, -1.88476562e-01,  1.86523438e-01,
         1.29882812e-01, -1.51367188e-01, -1.70898438e-01,  2.75390625e-01,
         4.58984375e-02, -1.43432617e-03,  9.42382812e-02, -5.73730469e-02,
         8.74023438e-02,  3.94531250e-01, -1.78527832e-03, -3.32031250e-02,
         2.78320312e-02, -2.37304688e-01,  1.24511719e-01,  8.59375000e-02,
         1.14257812e-01, -1.89453125e-01,  2.19726562e-01, -5.56640625e-02,
        -1.34277344e-02,  9.52148438e-02, -1.61132812e-02, -3.92913818e-04,
         8.44726562e-02, -7.81250000e-02,  1.10351562e-01,  2.79296875e-01,
        -1.66992188e-01, -7.76367188e-02,  2.85156250e-01, -4.80957031e-02,
         9.08203125e-02,  3.44848633e-03,  4.23828125e-01, -2.09960938e-02,
        -1.09863281e-01,  5.00488281e-02, -4.04296875e-01,  1.40625000e-01,
        -8.20312500e-02, -1.26953125e-01, -2.10937500e-01, -2.79541016e-02,
        -2.17773438e-01,  1.74804688e-01,  1.64794922e-02, -1.93359375e-01,
        -2.17773438e-01, -9.13085938e-02,  7.12890625e-02, -7.47070312e-02,
         2.85644531e-02,  9.96093750e-02,  2.40234375e-01,  1.77734375e-01,
         1.24511719e-01,  2.09960938e-01, -1.56250000e-01,  1.94335938e-01,
         1.93359375e-01,  1.44653320e-02, -8.49609375e-02, -2.94921875e-01,
```

```
         2.23388672e-02, -1.57226562e-01, -2.46093750e-01,  2.79541016e-02,
        -1.59179688e-01,  1.18652344e-01,  4.56542969e-02,  3.97949219e-02,
         1.24511719e-01, -1.73828125e-01, -2.12097168e-03,  1.40625000e-01,
         8.54492188e-02,  3.75976562e-02,  2.90527344e-02,  1.28173828e-02,
         8.88671875e-02,  2.03125000e-01,  1.34765625e-01,  4.63867188e-02,
         2.27539062e-01, -9.57031250e-02,  3.68652344e-02, -3.32031250e-02,
         1.55273438e-01,  3.88671875e-01,  2.75390625e-01, -1.00097656e-01,
         3.96484375e-01, -1.64062500e-01, -2.49023438e-01, -2.18505859e-02,
        -1.18164062e-01,  7.17773438e-02,  5.27954102e-03, -2.45361328e-02,
        -1.55273438e-01, -2.61718750e-01, -4.19921875e-01,  7.86132812e-02,
        -4.95605469e-02, -1.59912109e-02, -4.84375000e-01,  1.04980469e-01,
        -8.34960938e-02, -2.44140625e-01, -1.63085938e-01,  8.05664062e-02,
         2.10937500e-01, -3.67187500e-01,  1.44531250e-01, -6.07910156e-02,
         1.26953125e-01,  2.11914062e-01,  3.68652344e-02, -1.08886719e-01,
        -4.04296875e-01, -1.57226562e-01, -4.66308594e-02,  8.34960938e-02,
         9.86328125e-02, -1.29882812e-01,  4.25781250e-01,  1.93359375e-01,
        -2.45117188e-01, -5.83496094e-02, -1.95312500e-01,  3.61328125e-02,
         1.14746094e-01, -2.83203125e-02,  5.71289062e-02, -1.92382812e-01,
         9.91210938e-02,  8.93554688e-02, -2.15820312e-01,  7.32421875e-02,
         2.26562500e-01, -1.43554688e-01, -1.42578125e-01, -1.69677734e-02,
        -1.17675781e-01,  2.91442871e-03, -2.90527344e-02, -1.89453125e-01,
        -1.06933594e-01,  2.38037109e-02,  8.93554688e-02, -2.77343750e-01,
         8.23974609e-03, -2.92968750e-01, -2.83203125e-01,  6.05468750e-02,
        -3.22265625e-01,  1.82617188e-01, -6.68945312e-02,  1.47460938e-01,
        -2.94921875e-01, -4.85839844e-02, -2.17773438e-01, -6.22558594e-02,
         5.29785156e-02, -3.22265625e-01, -1.69921875e-01,  1.75781250e-01,
         5.07812500e-02, -6.34765625e-02, -3.54003906e-02,  3.56445312e-02,
        -8.69140625e-02,  1.89453125e-01, -5.73730469e-02, -8.69140625e-02,
         5.29785156e-02, -1.82342529e-03, -5.49316406e-02, -4.24804688e-02,
         1.88446045e-03,  5.40161133e-03,  1.52343750e-01, -2.00195312e-02,
        -2.47070312e-01, -2.18505859e-02,  1.18652344e-01,  3.67187500e-01,
         1.30859375e-01, -6.29882812e-02, -4.78515625e-02,  1.53320312e-01,
        -9.76562500e-02, -3.63769531e-02, -1.49414062e-01, -4.63867188e-02,
        -1.21093750e-01, -9.76562500e-02, -1.52343750e-01, -9.64355469e-03,
        -4.24804688e-02,  3.19824219e-02, -1.08032227e-02,  2.96875000e-01,
         3.47656250e-01, -1.31835938e-01, -1.12304688e-01,  8.11767578e-03,
        -8.72802734e-03,  9.52148438e-03, -4.93164062e-02, -1.44958496e-03,
         1.66992188e-01,  2.30468750e-01, -2.40234375e-01,  1.58203125e-0
1],
       dtype=float32),
 'analyzing': array([-1.46484375e-01,  2.92968750e-02,  7.03125000e-02, -6.
83593750e-02,
         3.02734375e-02,  5.44433594e-02, -1.37695312e-01, -7.47070312e-02,
         2.33398438e-01, -2.13867188e-01,  4.60815430e-03, -2.24609375e-01,
         3.14941406e-02,  2.94921875e-01, -8.83789062e-02, -1.22070312e-01,
        -3.67187500e-01,  3.24218750e-01, -9.94873047e-03, -3.04687500e-01,
        -1.41601562e-01, -7.61718750e-02, -4.94140625e-01,  2.70996094e-02,
         4.90722656e-02, -1.07421875e-01, -8.20312500e-02, -6.88476562e-02,
        -1.02539062e-01,  2.86865234e-02, -2.05078125e-01, -9.91210938e-02,
         9.32617188e-02,  2.53906250e-01, -8.83789062e-02,  2.72216797e-02,
        -3.08593750e-01, -2.15820312e-01,  2.79296875e-01,  7.61718750e-02,
         1.01562500e-01, -7.81250000e-02,  1.53320312e-01,  1.45507812e-01,
        -1.20605469e-01, -1.59179688e-01, -4.12597656e-02, -5.78613281e-02,
         7.17773438e-02,  1.36718750e-01,  1.63085938e-01, -1.91650391e-02,
        -2.18750000e-01, -2.98828125e-01, -2.55859375e-01,  2.69531250e-01,
         1.01074219e-01, -3.43750000e-01,  3.45703125e-01, -1.35742188e-01,
        -7.61718750e-02,  2.20703125e-01,  2.34375000e-02, -8.88671875e-02,
         2.83203125e-01,  2.31445312e-01, -5.17578125e-02,  1.86523438e-01,
        -2.45361328e-02, -3.76953125e-01, -5.85937500e-02, -8.00781250e-02,
         2.10937500e-01, -3.14453125e-01, -5.71289062e-02, -5.37109375e-02,
         2.18750000e-01, -3.44238281e-02,  4.37011719e-02,  1.33789062e-01,
        -7.03125000e-02,  1.07421875e-02,  7.61718750e-02,  1.52343750e-01,
         2.21679688e-01, -2.92968750e-01, -5.20019531e-02,  2.23632812e-01,
        -6.07299805e-03,  2.50000000e-01,  9.03320312e-02, -1.45507812e-01,
```

```
         3.51562500e-02,  2.98828125e-01, -1.78710938e-01,  1.25000000e-01,
         1.67968750e-01, -2.32421875e-01,  1.67968750e-01,  1.88476562e-01,
         1.23535156e-01, -2.18750000e-01,  2.04101562e-01, -1.02050781e-01,
        -4.90722656e-02,  9.66796875e-02,  5.83496094e-02,  3.03955078e-02,
         2.07519531e-02, -2.63671875e-01,  1.71875000e-01,  5.54199219e-02,
         5.98144531e-02, -5.02929688e-02,  2.50000000e-01,  6.03027344e-02,
        -1.00097656e-01,  2.89306641e-02,  2.59765625e-01,  1.08886719e-01,
        -3.02734375e-01, -1.27929688e-01, -2.89062500e-01, -5.44433594e-02,
        -5.71289062e-02, -1.95312500e-01, -1.26953125e-01,  5.22460938e-02,
        -3.92578125e-01,  1.92382812e-01,  4.61425781e-02, -2.39257812e-01,
        -2.57812500e-01, -4.58984375e-02,  6.64062500e-02, -1.09863281e-01,
         8.59375000e-02, -6.20117188e-02,  6.15234375e-02,  1.32812500e-01,
         1.73828125e-01,  4.22363281e-02, -2.23632812e-01,  1.82617188e-01,
        -1.66015625e-02,  4.61425781e-02, -3.90625000e-02, -1.10839844e-01,
         1.00097656e-01,  5.44433594e-02, -1.57226562e-01,  6.44531250e-02,
        -3.16406250e-01,  6.93359375e-02,  2.55859375e-01, -2.60009766e-02,
         9.52148438e-03,  5.22460938e-02, -1.34765625e-01,  1.74804688e-01,
        -1.80664062e-01,  8.74023438e-02, -4.51660156e-03, -3.68652344e-02,
        -2.57492065e-04,  3.73046875e-01,  3.18359375e-01, -1.08032227e-02,
         1.53320312e-01,  1.18164062e-01,  2.65502930e-03, -2.28881836e-03,
         4.68750000e-02,  3.75000000e-01,  1.26953125e-01, -6.25000000e-02,
         9.17968750e-02, -6.88476562e-02, -1.25000000e-01, -8.30078125e-02,
         9.76562500e-02, -6.44531250e-02,  1.52343750e-01, -3.71093750e-02,
        -2.46582031e-02, -1.03149414e-02, -4.16015625e-01,  1.20605469e-01,
        -1.62109375e-01,  1.39648438e-01, -2.96875000e-01,  1.54296875e-01,
         1.96289062e-01, -1.35742188e-01, -1.75781250e-01,  1.80664062e-01,
         4.25781250e-01, -4.12109375e-01,  1.18652344e-01,  5.66406250e-02,
        -6.25000000e-02,  2.28515625e-01, -1.25000000e-01,  5.17578125e-02,
        -1.08886719e-01,  2.72216797e-02, -1.45507812e-01,  6.83593750e-02,
         5.22460938e-02, -2.12890625e-01,  2.24609375e-01,  1.79443359e-02,
        -1.37695312e-01, -2.91015625e-01, -1.98242188e-01, -1.02539062e-01,
         1.50390625e-01,  3.51562500e-02,  7.81250000e-02,  5.90820312e-02,
        -2.13623047e-02,  4.88281250e-02, -1.73828125e-01, -1.44531250e-01,
        -2.88085938e-02, -2.17773438e-01, -6.07910156e-02,  2.24609375e-02,
        -1.89453125e-01,  7.56835938e-02,  1.96289062e-01, -2.91015625e-01,
        -1.51367188e-01, -1.75781250e-02,  2.60009766e-02, -3.63281250e-01,
         1.22070312e-02, -2.75390625e-01, -2.75390625e-01, -5.76171875e-02,
        -7.56835938e-02,  1.42578125e-01, -2.09960938e-01,  1.64062500e-01,
        -1.31835938e-01, -6.68945312e-02,  1.85546875e-02,  1.64062500e-01,
        -1.21582031e-01, -2.05078125e-01, -3.36914062e-02,  2.50000000e-01,
         1.79443359e-02,  7.12890625e-02, -6.20117188e-02,  2.23388672e-02,
        -4.29687500e-02,  1.07910156e-01, -8.54492188e-02, -1.76757812e-01,
         7.86132812e-02, -4.02832031e-02,  1.68609619e-03, -1.22680664e-02,
        -1.24023438e-01,  7.76367188e-02, -5.29785156e-02,  3.34472656e-02,
         3.88183594e-02,  1.85546875e-02,  4.00390625e-02,  3.00781250e-01,
         2.40478516e-02,  1.09863281e-01, -8.10546875e-02,  1.81640625e-01,
        -1.02539062e-01,  6.73828125e-02,  5.54199219e-02, -1.59179688e-01,
        -2.05078125e-01, -4.12597656e-02, -1.38671875e-01, -6.68945312e-02,
        -5.61523438e-02,  1.16210938e-01,  8.97216797e-03,  2.98828125e-01,
         3.45703125e-01, -4.42504883e-03, -5.24902344e-02,  2.85644531e-02,
         1.64062500e-01,  3.88183594e-02, -2.53906250e-01, -1.54296875e-01,
         2.05078125e-01, -2.56347656e-02, -1.33789062e-01,  2.12890625e-0
1],
       dtype=float32),
 'acquired': array([ 6.39648438e-02,  2.92968750e-01, -1.51367188e-01,  1.1
8652344e-01,
        -1.40625000e-01, -2.09960938e-01, -8.10546875e-02,  1.81884766e-02,
         1.25000000e-01,  5.54199219e-02,  1.41601562e-01, -1.70898438e-01,
        -2.35351562e-01, -4.17480469e-02, -5.44433594e-02, -1.89453125e-01,
        -8.83789062e-02,  3.14453125e-01, -2.06054688e-01,  1.55273438e-01,
        -2.91015625e-01,  4.24804688e-02, -5.27343750e-02, -5.34667969e-02,
         3.00292969e-02,  1.09375000e-01, -1.66992188e-01, -2.31445312e-01,
        -2.63671875e-01,  9.66796875e-02,  1.25000000e-01, -2.21679688e-01,
        -1.59912109e-02,  1.52343750e-01, -6.44531250e-02,  1.39648438e-01,
```

```
-1.06201172e-02, -2.45117188e-01,  1.06445312e-01,  1.95312500e-02,
 1.05468750e-01, -5.15747070e-03,  1.33789062e-01,  3.34472656e-02,
 4.54101562e-02, -3.18359375e-01, -3.71093750e-02, -6.49414062e-02,
 1.38671875e-01,  1.32812500e-01,  1.63085938e-01, -3.80859375e-02,
 5.49316406e-02, -3.88671875e-01, -1.75781250e-01,  2.59765625e-01,
-1.50146484e-02,  1.27563477e-02,  9.22851562e-02,  1.40625000e-01,
 2.51953125e-01,  2.35351562e-01,  1.70898438e-01,  3.61328125e-02,
-5.54199219e-02,  7.61718750e-02, -1.79687500e-01, -1.15234375e-01,
-1.27929688e-01, -8.42285156e-03,  1.66015625e-01, -1.05957031e-01,
 6.44531250e-02, -7.27539062e-02,  6.44531250e-02,  8.49609375e-02,
 1.57226562e-01, -4.32128906e-02, -1.40625000e-01,  1.10839844e-01,
 3.16406250e-01, -1.04492188e-01, -4.44335938e-02,  8.30078125e-02,
 7.51953125e-02, -2.07031250e-01,  9.37500000e-02,  2.96875000e-01,
 3.54003906e-02,  1.14746094e-01,  1.08398438e-01, -8.49609375e-02,
 6.93359375e-02,  1.18652344e-01,  3.46679688e-02, -3.75366211e-03,
-1.83105469e-02,  2.13623047e-02,  1.42211914e-02, -1.03027344e-01,
 3.28125000e-01,  2.23388672e-02, -4.29687500e-01,  1.76757812e-01,
 2.11914062e-01, -1.89453125e-01, -2.67578125e-01,  6.00585938e-02,
-1.48437500e-01, -6.92749023e-03, -8.78906250e-02,  3.33984375e-01,
-3.68652344e-02, -3.18359375e-01,  2.31445312e-01,  1.11328125e-01,
 1.49414062e-01,  4.58984375e-01,  4.39453125e-01, -1.33789062e-01,
 1.60156250e-01, -2.03857422e-02, -1.64062500e-01, -1.81640625e-01,
-2.39257812e-01, -1.37695312e-01, -4.41894531e-02, -4.32128906e-02,
 1.75781250e-01, -5.61523438e-02,  1.23046875e-01,  2.24609375e-01,
-2.11914062e-01,  1.82617188e-01, -1.92382812e-01,  1.35742188e-01,
-1.03515625e-01, -5.18798828e-03, -2.83203125e-01,  1.95312500e-01,
 9.03320312e-02,  9.61914062e-02, -4.63867188e-02, -1.40625000e-01,
 1.50756836e-02, -1.07421875e-01,  2.24609375e-01,  1.57356262e-04,
 8.30078125e-02,  6.00585938e-02,  3.55468750e-01,  1.04492188e-01,
-2.07031250e-01,  2.18750000e-01, -1.28906250e-01,  9.32617188e-02,
-2.91015625e-01, -1.36718750e-01, -3.27148438e-02,  1.40625000e-01,
 2.67578125e-01,  1.53320312e-01, -1.71875000e-01, -5.78613281e-02,
-1.11816406e-01, -1.28906250e-01, -1.45507812e-01, -6.12792969e-02,
-1.16699219e-01, -6.68945312e-02, -8.05664062e-02, -2.01171875e-01,
 2.44140625e-01, -1.82617188e-01,  1.80664062e-01,  1.58203125e-01,
 2.11914062e-01, -1.62506104e-03,  1.77734375e-01, -2.47070312e-01,
-1.37695312e-01,  1.40625000e-01, -9.47265625e-02, -1.53808594e-02,
-1.30004883e-02, -8.39843750e-02, -1.51367188e-01,  4.05883789e-03,
 5.06591797e-03, -5.88378906e-02, -4.35546875e-01, -8.15429688e-02,
 1.67236328e-02,  1.45507812e-01,  1.16699219e-01,  1.24511719e-01,
 5.02929688e-02,  2.05078125e-01,  3.47656250e-01, -1.93359375e-01,
 7.22656250e-02,  2.73437500e-01,  2.18750000e-01,  1.33789062e-01,
-3.63281250e-01, -1.17675781e-01,  1.89453125e-01,  9.71679688e-02,
 3.35937500e-01, -9.86328125e-02,  3.36914062e-02,  1.40625000e-01,
 7.12890625e-02,  2.67578125e-01,  2.61718750e-01,  7.66601562e-02,
-1.95312500e-03, -1.60156250e-01,  2.73437500e-01,  5.12695312e-02,
 1.00585938e-01,  3.33984375e-01, -1.63085938e-01, -1.22680664e-02,
-4.32128906e-02,  2.07031250e-01, -3.12500000e-01, -4.98046875e-02,
-3.14453125e-01, -1.70898438e-01,  2.75390625e-01,  1.16210938e-01,
 2.23632812e-01,  1.76757812e-01,  1.57226562e-01,  2.20703125e-01,
 4.54101562e-02, -1.27929688e-01,  3.93066406e-02,  1.74804688e-01,
-2.49023438e-01, -1.97265625e-01, -3.19824219e-02, -1.86523438e-01,
 1.08886719e-01,  1.38671875e-01,  1.61132812e-01, -3.29589844e-02,
 6.68945312e-02, -2.83203125e-01,  2.05078125e-01, -1.98242188e-01,
-3.90625000e-02,  1.60156250e-01,  1.84570312e-01,  2.47802734e-02,
 1.28906250e-01, -3.80859375e-02, -3.02734375e-01,  1.22070312e-01,
 3.78417969e-02, -1.19140625e-01,  4.68750000e-02, -4.45556641e-03,
-7.17773438e-02, -1.49414062e-01, -8.39843750e-02, -1.63085938e-01,
-9.81445312e-02,  1.56250000e-01,  2.08007812e-01, -1.08886719e-01,
 2.30712891e-02, -4.49218750e-01,  2.04101562e-01,  2.30712891e-02,
-2.35351562e-01,  8.20312500e-02, -3.10546875e-01,  4.90722656e-02,
-1.71875000e-01,  1.38671875e-01, -1.33056641e-02, -8.20312500e-02,
-3.07617188e-02,  7.95898438e-02, -2.64892578e-02,  3.80859375e-01,
-6.34765625e-02, -8.15429688e-02,  2.34375000e-01,  2.11914062e-01,
```

```
        -3.43750000e-01,  1.69921875e-01,  1.42822266e-02,  1.91650391e-02,
         4.12109375e-01, -2.32421875e-01,  1.32812500e-01, -2.20703125e-0
1],
       dtype=float32),
 'iii': array([-0.2578125 , -0.0291748 ,  0.14453125,  0.17382812, -0.26953
125,
         0.01202393,  0.19433594,  0.09619141,  0.03417969, -0.27539062,
        -0.06298828, -0.20117188, -0.18261719,  0.16796875, -0.19628906,
         0.01190186, -0.09570312,  0.1328125 ,  0.13867188,  0.05981445,
        -0.22851562, -0.13476562, -0.21484375, -0.15039062,  0.08007812,
        -0.01550293, -0.47070312,  0.09765625,  0.13671875,  0.27734375,
         0.1875    , -0.50390625,  0.18164062,  0.00793457, -0.31640625,
         0.10400391, -0.27148438, -0.09033203,  0.03125   , -0.21679688,
        -0.171875  ,  0.15917969,  0.20117188, -0.05810547, -0.09667969,
        -0.35351562,  0.109375  , -0.14160156, -0.29882812, -0.16113281,
        -0.18652344,  0.22460938, -0.09960938,  0.0177002 , -0.26953125,
         0.25585938, -0.00205994, -0.21972656,  0.18261719, -0.08251953,
        -0.24023438,  0.01953125, -0.22949219,  0.00177002, -0.11376953,
        -0.19042969, -0.01696777,  0.20117188, -0.06176758, -0.07617188,
        -0.25390625, -0.22167969,  0.171875  ,  0.09521484, -0.19726562,
        -0.43945312, -0.08740234, -0.10595703, -0.06494141,  0.03198242,
        -0.25585938,  0.06640625, -0.23339844,  0.10693359,  0.17480469,
         0.11328125, -0.06884766,  0.2578125 ,  0.0111084 ,  0.24804688,
         0.03369141, -0.04785156,  0.14941406,  0.24707031,  0.20996094,
         0.1875    ,  0.04150391,  0.12890625,  0.19921875,  0.21289062,
         0.33007812, -0.16113281, -0.08154297, -0.09375   , -0.23339844,
        -0.23925781, -0.04174805,  0.27734375, -0.16210938,  0.10839844,
        -0.07275391, -0.14550781, -0.29492188,  0.04370117,  0.22070312,
         0.20703125, -0.16113281,  0.03515625,  0.28515625,  0.05908203,
         0.28320312,  0.10107422, -0.18261719, -0.06494141,  0.22753906,
         0.10595703, -0.0625    ,  0.0859375 , -0.1640625 ,  0.33398438,
         0.10205078, -0.04882812, -0.22558594,  0.15039062, -0.09130859,
        -0.16894531, -0.02575684, -0.05639648,  0.43359375,  0.03881836,
        -0.02990723,  0.01306152,  0.09521484,  0.18457031,  0.29492188,
         0.12792969,  0.00552368,  0.15429688, -0.1796875 ,  0.24511719,
         0.02368164, -0.30859375,  0.48632812,  0.04736328,  0.12304688,
        -0.13085938,  0.02807617,  0.02697754,  0.08398438,  0.02526855,
         0.19433594,  0.1171875 , -0.09570312,  0.29492188, -0.34375   ,
        -0.06542969, -0.06787109, -0.11621094,  0.00286865, -0.07421875,
        -0.05004883, -0.22167969,  0.14941406, -0.41992188, -0.26367188,
         0.03613281,  0.20117188, -0.0703125 , -0.11230469, -0.22265625,
        -0.09033203, -0.02832031,  0.02746582, -0.16894531, -0.23144531,
         0.1328125 ,  0.20410156,  0.04882812,  0.06933594,  0.17089844,
        -0.14941406, -0.07861328, -0.24707031,  0.09912109, -0.12792969,
        -0.02929688, -0.02587891,  0.01226807,  0.19726562, -0.5625    ,
        -0.1328125 ,  0.19238281, -0.14257812, -0.05908203, -0.2109375 ,
        -0.34179688,  0.05102539,  0.24804688, -0.14257812, -0.03076172,
         0.00509644,  0.05249023, -0.06396484, -0.09960938, -0.06494141,
         0.07128906,  0.01586914,  0.20996094, -0.10107422,  0.00300598,
        -0.046875  ,  0.25      , -0.08691406,  0.00866699, -0.00772095,
        -0.10449219,  0.05249023, -0.01928711,  0.2578125 , -0.05419922,
         0.04418945,  0.09179688,  0.27148438,  0.0859375 , -0.13867188,
        -0.06689453,  0.17285156,  0.03222656,  0.16699219, -0.01263428,
         0.04321289,  0.05029297,  0.48046875,  0.01312256, -0.05102539,
        -0.19628906, -0.35742188,  0.0625    ,  0.02038574,  0.00201416,
         0.25976562,  0.18652344, -0.24707031, -0.13769531,  0.08203125,
        -0.08349609,  0.078125  ,  0.08544922,  0.1328125 ,  0.0480957 ,
         0.01757812, -0.0324707 , -0.125     ,  0.04101562, -0.1796875 ,
         0.22460938,  0.06347656, -0.1796875 ,  0.16015625, -0.12988281,
        -0.22558594,  0.10498047, -0.04882812, -0.1640625 ,  0.00454712,
         0.09375   , -0.33789062, -0.06787109, -0.12304688,  0.10791016,
         0.11865234,  0.11376953,  0.16992188,  0.05419922,  0.06347656,
         0.16210938, -0.02233887, -0.01025391, -0.14941406,  0.12890625,
         0.16113281,  0.45507812, -0.0168457 ,  0.11767578,  0.26171875,
```

```
        -0.24902344, -0.1953125 , -0.09521484, -0.02026367,  0.17773438],
       dtype=float32),
 'condition': array([ 0.10302734,  0.03149414, -0.0625    , -0.10839844, -
0.22265625,
         0.09375   ,  0.24902344, -0.03613281,  0.10546875, -0.09667969,
        -0.18847656, -0.33203125, -0.1796875 ,  0.28710938,  0.02392578,
         0.17578125, -0.09326172,  0.19335938, -0.1171875 ,  0.15527344,
         0.12158203, -0.36523438, -0.16796875,  0.34570312,  0.03295898,
        -0.05883789, -0.30859375,  0.21582031, -0.09375   , -0.33007812,
        -0.07617188,  0.0390625 ,  0.15332031,  0.01123047, -0.17480469,
         0.3359375 ,  0.14648438, -0.1171875 , -0.25      , -0.28710938,
        -0.19726562, -0.08886719, -0.02294922,  0.20605469,  0.25585938,
        -0.11376953,  0.10644531, -0.13378906, -0.48242188,  0.05078125,
        -0.04516602,  0.05322266, -0.25      ,  0.06396484,  0.20117188,
         0.04638672, -0.17578125,  0.078125  ,  0.09326172, -0.08154297,
        -0.06982422,  0.05883789, -0.1640625 , -0.10742188,  0.11328125,
         0.1328125 ,  0.27929688,  0.22363281, -0.19238281, -0.00662231,
        -0.01342773,  0.06884766, -0.05053711,  0.03979492,  0.05126953,
         0.0859375 ,  0.03271484, -0.24511719,  0.20898438,  0.46289062,
         0.390625  ,  0.06347656,  0.07861328,  0.05664062, -0.00772095,
         0.07910156, -0.08691406,  0.16503906,  0.08544922, -0.22753906,
         0.13769531,  0.00256348,  0.08886719,  0.21191406,  0.20800781,
        -0.23925781,  0.2421875 ,  0.19042969,  0.05712891, -0.26953125,
         0.06738281,  0.02319336,  0.15527344, -0.22558594,  0.17578125,
        -0.0010376 , -0.13085938, -0.01165771, -0.30273438, -0.11425781,
         0.0480957 ,  0.06396484,  0.1953125 , -0.328125  ,  0.06225586,
        -0.01098633, -0.12353516, -0.05737305, -0.23730469,  0.39257812,
        -0.29296875, -0.05395508,  0.14941406,  0.12304688, -0.08349609,
        -0.06152344, -0.03881836, -0.19921875,  0.14257812,  0.04296875,
         0.14257812, -0.09765625, -0.13476562, -0.19238281, -0.23242188,
        -0.23828125, -0.06738281, -0.18359375, -0.22949219,  0.03222656,
         0.20507812,  0.12402344,  0.09423828, -0.11328125, -0.03173828,
        -0.18359375, -0.04467773, -0.19335938, -0.21777344,  0.01940918,
        -0.02770996,  0.01623535, -0.06884766,  0.19921875, -0.00338745,
        -0.04296875, -0.03491211,  0.078125  , -0.08837891, -0.11914062,
         0.17871094,  0.10205078,  0.23046875,  0.21386719, -0.21679688,
        -0.16894531,  0.08203125, -0.39648438,  0.31835938, -0.09863281,
         0.19335938,  0.14550781,  0.10742188, -0.12451172,  0.01031494,
        -0.13867188,  0.35351562, -0.33984375, -0.14257812,  0.02905273,
         0.12792969,  0.09326172,  0.04858398,  0.06176758,  0.17675781,
        -0.13867188,  0.125     ,  0.05664062, -0.08007812,  0.29296875,
        -0.1328125 , -0.05419922, -0.27734375,  0.01092529, -0.2734375 ,
         0.16503906,  0.10302734,  0.05102539, -0.19824219,  0.06738281,
        -0.171875  ,  0.13183594, -0.01263428,  0.00219727,  0.15625   ,
        -0.15039062,  0.08154297,  0.02648926,  0.22460938, -0.2109375 ,
        -0.18164062, -0.07080078, -0.03369141,  0.16601562, -0.09277344,
         0.13769531, -0.09375   ,  0.07275391, -0.12792969,  0.07470703,
         0.02026367,  0.05615234,  0.03564453,  0.03015137,  0.16210938,
        -0.20214844,  0.05249023, -0.03955078, -0.02539062,  0.12792969,
         0.44335938, -0.06738281,  0.01428223, -0.11230469, -0.03881836,
        -0.16699219,  0.16992188, -0.18359375,  0.10742188, -0.07421875,
         0.125     ,  0.15234375, -0.16015625, -0.13574219,  0.06689453,
         0.07714844, -0.13085938, -0.04199219,  0.10888672, -0.07958984,
         0.0559082 , -0.03930664,  0.19824219,  0.11279297,  0.0612793 ,
        -0.01928711,  0.01025391,  0.28515625, -0.11132812,  0.01831055,
         0.05883789, -0.11279297, -0.01025391,  0.08105469,  0.1953125 ,
         0.19726562, -0.21289062, -0.1953125 , -0.04052734, -0.41210938,
         0.02099609, -0.07714844,  0.10693359, -0.24121094, -0.05078125,
        -0.09960938,  0.11669922,  0.00335693, -0.24902344,  0.17773438,
         0.10742188,  0.19433594, -0.00379944,  0.09960938,  0.04907227,
        -0.26367188, -0.03271484, -0.11962891, -0.05371094,  0.10205078,
        -0.09765625,  0.06103516, -0.06176758, -0.38671875,  0.04125977,
         0.3671875 , -0.22949219,  0.15722656,  0.52734375, -0.26367188],
       dtype=float32),
```

```
 'fuel': array([ 8.69140625e-02,  4.96093750e-01, -6.10351562e-03,  8.64257
812e-02,
        -6.98242188e-02, -2.55859375e-01, -1.06933594e-01, -4.41406250e-01,
        -1.77001953e-02,  1.62109375e-01,  2.07031250e-01,  7.42187500e-02,
        -1.57226562e-01,  1.91650391e-02, -1.95312500e-01,  1.05957031e-01,
         9.52148438e-03, -1.74804688e-01,  5.05371094e-02,  7.23266602e-03,
         1.96533203e-02, -4.27246094e-02, -8.78906250e-02, -7.69042969e-03,
        -2.02636719e-02,  1.08398438e-01, -1.87500000e-01, -1.60217285e-04,
         2.46093750e-01, -1.19628906e-01, -9.27734375e-02, -1.81640625e-01,
        -4.78515625e-02,  2.33398438e-01,  2.45361328e-02,  4.07714844e-02,
         4.68750000e-02, -1.84326172e-02, -1.40625000e-01,  2.53906250e-01,
        -2.37304688e-01, -3.00781250e-01,  2.22656250e-01,  3.36914062e-02,
        -1.23046875e-01, -4.98046875e-02, -2.06054688e-01,  3.14453125e-01,
         1.44042969e-02,  2.56347656e-02, -3.49121094e-02,  6.39648438e-02,
        -6.88476562e-02, -1.17187500e-01, -4.02832031e-02, -1.81884766e-02,
        -3.02734375e-01,  2.62451172e-02,  2.50000000e-01, -2.67578125e-01,
         2.10937500e-01, -1.28906250e-01, -4.10156250e-01,  1.58203125e-01,
        -5.24902344e-02,  9.37500000e-02, -1.15234375e-01,  6.93359375e-02,
        -2.85156250e-01,  1.63085938e-01, -1.15966797e-02, -3.37890625e-01,
         1.45507812e-01, -2.91015625e-01, -1.28906250e-01, -1.34765625e-01,
         2.21679688e-01,  3.04687500e-01,  1.01074219e-01, -5.78613281e-02,
         2.13867188e-01,  3.19824219e-02, -2.59765625e-01,  1.22070312e-01,
         1.19140625e-01,  1.21093750e-01, -3.22265625e-02,  3.18359375e-01,
        -2.08984375e-01,  1.14746094e-01,  5.15136719e-02,  1.02539062e-01,
        -8.88671875e-02,  6.64062500e-02, -6.88476562e-02, -2.81250000e-01,
        -9.61914062e-02, -9.52148438e-02,  1.43554688e-01,  1.14746094e-01,
         2.28515625e-01, -5.00488281e-02,  4.08203125e-01, -7.61718750e-02,
         7.22656250e-02, -5.46875000e-02,  1.74560547e-02, -1.53808594e-02,
        -1.62353516e-02, -7.32421875e-02, -2.28515625e-01, -4.66796875e-01,
        -2.02148438e-01,  2.77343750e-01, -2.05078125e-01,  2.20703125e-01,
         1.57226562e-01, -7.71484375e-02, -1.34765625e-01,  8.59375000e-02,
        -3.95507812e-02, -7.37304688e-02, -5.95703125e-02, -1.16699219e-01,
        -2.12402344e-02, -2.86865234e-03,  1.80664062e-02, -2.42187500e-01,
        -8.25195312e-02, -6.83593750e-02, -3.67736816e-03, -1.23046875e-01,
         1.50390625e-01, -1.06445312e-01,  2.45117188e-01,  1.21093750e-01,
         1.91406250e-01, -1.70898438e-01, -2.41699219e-02,  1.29882812e-01,
         7.22656250e-02, -1.24511719e-01, -3.73535156e-02, -6.88476562e-02,
        -6.49414062e-02, -1.87500000e-01,  1.67968750e-01,  1.77734375e-01,
        -1.13281250e-01, -1.30859375e-01,  8.10546875e-02, -7.86132812e-02,
        -1.05468750e-01, -2.47070312e-01,  2.29492188e-01, -4.61425781e-02,
         3.06640625e-01, -1.16699219e-01, -2.25585938e-01, -3.90625000e-01,
         7.66601562e-02,  8.98437500e-02, -1.25976562e-01,  2.17773438e-01,
         1.89208984e-02,  6.77490234e-03, -5.02929688e-02,  2.92968750e-01,
         2.89062500e-01,  1.02050781e-01,  4.66308594e-02,  2.13623047e-03,
         1.25732422e-02, -1.74804688e-01, -1.17675781e-01, -3.30078125e-01,
         3.00292969e-02, -4.49218750e-01, -3.82812500e-01,  1.06445312e-01,
        -1.35742188e-01, -2.61718750e-01, -1.47460938e-01,  5.85937500e-02,
         1.39648438e-01, -3.32031250e-02, -2.08740234e-02,  3.20312500e-01,
         7.12890625e-02,  3.18359375e-01, -4.44335938e-02,  1.03027344e-01,
         1.23046875e-01, -1.66015625e-01, -1.71875000e-01,  1.56250000e-01,
        -2.57568359e-02, -1.72851562e-01, -1.73828125e-01, -2.19726562e-01,
         1.08886719e-01, -7.71484375e-02,  5.95092773e-03, -1.68945312e-01,
         9.76562500e-02, -1.12304688e-01, -1.80664062e-01, -2.10937500e-01,
         3.61328125e-02, -1.93359375e-01,  1.70898438e-02, -4.80957031e-02,
        -3.44238281e-02,  1.59179688e-01,  1.01562500e-01,  1.54296875e-01,
         9.42382812e-02,  1.15234375e-01, -1.83593750e-01,  5.85937500e-02,
         9.13085938e-02,  1.36108398e-02,  1.42578125e-01,  1.66015625e-01,
         1.48437500e-01,  1.04980469e-01, -8.98437500e-02,  4.24804688e-02,
        -9.27734375e-03,  1.50390625e-01,  2.38281250e-01,  1.33789062e-01,
         2.65625000e-01, -2.62451172e-03, -1.06933594e-01, -4.49218750e-02,
        -6.29882812e-02, -1.55273438e-01,  9.03320312e-02, -1.06933594e-01,
         7.27539062e-02,  4.25781250e-01, -1.13281250e-01, -6.83593750e-02,
        -5.17578125e-02, -2.23632812e-01,  4.78515625e-02, -1.98242188e-01,
        -6.29882812e-02, -4.46777344e-02,  1.45507812e-01,  1.05590820e-02,
```

```
        -1.22070312e-02, -9.42382812e-02,  7.71484375e-02,  5.24902344e-02,
         3.69140625e-01, -2.11181641e-02,  2.74658203e-02,  4.46777344e-02,
         2.35351562e-01,  7.37304688e-02, -1.09375000e-01,  1.26953125e-01,
        -2.29492188e-02, -4.22363281e-02, -3.56445312e-02, -3.12500000e-01,
         1.21307373e-03, -1.95312500e-02,  1.30859375e-01, -5.05371094e-02,
         3.93066406e-02,  9.32617188e-02, -4.00390625e-01, -8.93554688e-02,
        -8.74023438e-02, -8.64257812e-02,  2.12402344e-02, -1.48437500e-01,
         1.25732422e-02,  2.33398438e-01,  1.49414062e-01, -5.11718750e-01,
        -6.37817383e-03, -8.97216797e-03, -8.11767578e-03,  3.39843750e-01,
        -1.66015625e-02,  1.72851562e-01, -1.22558594e-01, -1.26953125e-01,
        -2.19726562e-01,  1.57226562e-01, -2.55126953e-02, -1.43554688e-01,
        -1.04492188e-01,  1.62109375e-01,  2.02148438e-01, -1.33056641e-0
2],
       dtype=float32),
 'successful': array([-1.34765625e-01,  1.33789062e-01, -1.24023438e-01, -
7.78198242e-03,
        -6.12792969e-02, -1.58203125e-01, -3.39355469e-02,  8.34960938e-02,
         2.30468750e-01,  9.52148438e-02,  1.14746094e-01,  5.44433594e-02,
         1.97265625e-01,  8.05664062e-02,  4.88281250e-02,  2.67578125e-01,
         2.08007812e-01, -7.08007812e-02,  1.13769531e-01,  1.56250000e-01,
        -9.82666016e-03,  2.50000000e-01, -1.02539062e-01,  5.07812500e-02,
         7.38525391e-03,  4.15039062e-02,  5.56640625e-02, -1.80664062e-01,
        -1.54418945e-02, -2.94189453e-02,  2.06054688e-01, -9.61914062e-02,
         1.55273438e-01, -2.74658203e-02,  7.17773438e-02,  2.27539062e-01,
        -1.46484375e-02, -1.18652344e-01,  1.61132812e-01, -1.57226562e-01,
         3.35937500e-01,  1.80664062e-02, -1.59179688e-01,  1.32812500e-01,
        -1.11816406e-01, -7.76367188e-02, -1.88476562e-01,  2.19726562e-02,
         1.21582031e-01, -1.43432617e-02, -6.10351562e-03, -7.42187500e-02,
         4.34570312e-02, -2.38037109e-02, -8.10546875e-02, -3.85742188e-02,
         2.80761719e-02, -2.45117188e-01,  1.80664062e-01, -1.20605469e-01,
        -7.08007812e-02, -7.12890625e-02, -2.23632812e-01, -6.34765625e-02,
         3.10058594e-02, -1.09375000e-01,  1.01562500e-01, -1.33789062e-01,
        -4.00390625e-02, -8.54492188e-02, -6.54296875e-02, -2.15820312e-01,
        -4.07714844e-02,  2.47070312e-01, -2.20947266e-02, -1.26953125e-01,
         2.24609375e-01,  2.57812500e-01,  2.00195312e-01,  2.83203125e-01,
        -1.92382812e-01, -1.34765625e-01,  1.72851562e-01, -2.20947266e-02,
         6.93359375e-02, -2.04101562e-01, -1.79687500e-01,  8.25195312e-02,
         1.36718750e-01,  1.67968750e-01, -1.31835938e-01, -9.03320312e-02,
        -3.22265625e-02, -2.26562500e-01,  1.70898438e-01, -6.98242188e-02,
         9.76562500e-02, -2.23632812e-01, -2.01416016e-02,  7.17773438e-02,
        -1.11328125e-01,  1.32812500e-01, -9.52148438e-02,  1.40625000e-01,
        -7.32421875e-02, -8.39843750e-02,  2.74658203e-02,  3.29589844e-02,
         2.46093750e-01, -2.19726562e-01,  2.34375000e-02,  3.22265625e-02,
        -1.85546875e-01, -2.17285156e-02,  2.31445312e-01, -8.34960938e-02,
        -7.66601562e-02, -2.20703125e-01,  1.67968750e-01, -1.66992188e-01,
        -2.28881836e-03, -1.11816406e-01,  2.08007812e-01,  1.11328125e-01,
        -1.03027344e-01, -4.37011719e-02,  2.03857422e-02, -3.73535156e-02,
        -3.73535156e-02,  2.06054688e-01, -7.66601562e-02, -6.59179688e-02,
        -4.29687500e-02,  1.37695312e-01, -2.33154297e-02,  1.15722656e-01,
         1.01562500e-01, -9.86328125e-02, -8.05664062e-02,  4.27734375e-01,
         4.63867188e-03, -3.58886719e-02,  6.68945312e-02,  4.37011719e-02,
         7.86132812e-02,  7.51953125e-02, -1.03027344e-01,  5.54199219e-02,
         4.34570312e-02, -2.61718750e-01, -5.56640625e-02,  1.45507812e-01,
         9.76562500e-03,  2.50000000e-01, -1.40625000e-01, -5.49316406e-02,
        -5.54199219e-02, -9.22851562e-02,  1.37695312e-01, -1.50756836e-02,
        -1.50390625e-01,  1.27929688e-01,  3.66210938e-02, -3.22265625e-02,
         2.28515625e-01, -2.55859375e-01,  2.61230469e-02, -1.40625000e-01,
        -1.04980469e-01, -2.52685547e-02, -6.59179688e-02, -3.10546875e-01,
        -1.55029297e-02, -5.11718750e-01,  1.26953125e-01,  1.18652344e-01,
         1.27929688e-01,  5.59082031e-02, -1.10351562e-01,  1.11328125e-01,
        -4.29687500e-02, -4.93164062e-02, -2.25585938e-01, -6.92749023e-03,
        -1.32812500e-01,  8.88671875e-02, -3.73535156e-02,  6.98242188e-02,
         8.05664062e-02, -2.99072266e-02, -1.58203125e-01,  1.60156250e-01,
         6.05468750e-02, -8.83789062e-02, -8.49609375e-02, -3.39843750e-01,
```

```
         5.85937500e-02, -2.25830078e-02,  2.91748047e-02, -4.76074219e-02,
         1.36718750e-01,  3.96484375e-01,  1.82617188e-01, -6.10351562e-02,
        -1.24511719e-01, -2.06054688e-01, -1.80664062e-01, -2.63671875e-01,
        -1.27563477e-02,  6.39648438e-02, -7.03125000e-02,  3.16406250e-01,
        -5.88378906e-02, -2.45666504e-03,  3.66210938e-02, -9.81445312e-02,
         1.49414062e-01, -1.67968750e-01,  3.39355469e-02,  2.67578125e-01,
         5.46875000e-02, -6.88476562e-02, -1.63085938e-01,  2.14843750e-01,
         2.08007812e-01, -1.32812500e-01,  1.83593750e-01, -2.04101562e-01,
         2.40478516e-02, -1.64062500e-01,  8.78906250e-02, -5.17578125e-02,
         2.42919922e-02, -9.76562500e-02, -9.86328125e-02, -1.68945312e-01,
        -1.00097656e-01, -1.03027344e-01,  5.32226562e-02, -1.63574219e-02,
        -2.53906250e-02, -1.11816406e-01, -7.22656250e-02, -4.24804688e-02,
         1.23535156e-01, -4.27246094e-02,  1.05957031e-01, -1.39648438e-01,
         1.13769531e-01, -2.19726562e-01, -1.24023438e-01,  6.93359375e-02,
         2.41699219e-02,  7.37304688e-02,  4.51660156e-02,  8.39843750e-02,
        -1.78527832e-03,  7.95898438e-02, -1.21582031e-01, -1.93359375e-01,
         1.10351562e-01, -6.44531250e-02,  1.31835938e-01,  2.45117188e-01,
         2.24609375e-01,  1.06445312e-01, -1.23535156e-01, -1.51367188e-01,
        -5.12695312e-02,  7.38525391e-03,  2.05078125e-02, -8.11767578e-03,
        -1.05957031e-01,  2.29492188e-01,  7.56835938e-02, -1.02050781e-01,
         2.12669373e-04,  1.01562500e-01,  2.49023438e-02, -1.83593750e-01,
         1.48925781e-02,  3.71093750e-01, -7.76367188e-02, -1.17797852e-02,
        -1.04492188e-01, -5.44433594e-02, -5.61523438e-02,  1.40991211e-02,
         5.12695312e-02, -1.41601562e-01, -8.00781250e-02,  1.11328125e-01,
        -8.05664062e-02, -4.24804688e-02,  1.17187500e-02,  1.67236328e-02,
         1.55273438e-01,  2.14843750e-02, -9.03320312e-02, -3.34472656e-0
2],
       dtype=float32),
 'high': array([ 0.07666016,  0.00970459, -0.08007812,  0.18164062, -0.0262
4512,
        -0.08447266, -0.00823975, -0.19140625,  0.07373047,  0.11914062,
        -0.05297852, -0.15136719,  0.21679688, -0.18652344,  0.02661133,
        -0.17773438, -0.06933594,  0.01190186, -0.07226562, -0.08935547,
        -0.16113281,  0.01324463, -0.10107422,  0.1171875 ,  0.02099609,
        -0.22167969, -0.1328125 ,  0.04833984,  0.08886719, -0.28320312,
         0.19433594, -0.17285156,  0.3671875 , -0.03198242, -0.18652344,
        -0.10693359, -0.15136719, -0.12695312,  0.10986328,  0.11865234,
         0.20996094, -0.02001953,  0.08105469, -0.02172852, -0.11035156,
         0.04516602,  0.07275391,  0.20898438,  0.08154297, -0.03063965,
         0.14453125,  0.04858398, -0.02038574,  0.03857422, -0.02429199,
        -0.078125  , -0.33789062, -0.04760742, -0.07958984, -0.11279297,
        -0.02185059,  0.0625    , -0.25195312, -0.03320312, -0.07128906,
         0.13671875, -0.14160156,  0.09863281,  0.11035156,  0.15234375,
        -0.09277344, -0.13476562,  0.08886719,  0.203125  , -0.14941406,
         0.07568359,  0.16113281,  0.26757812,  0.02746582,  0.15527344,
         0.00915527,  0.03369141, -0.0625    , -0.02392578,  0.22949219,
        -0.05053711, -0.20117188,  0.29101562, -0.02380371, -0.07861328,
         0.04614258, -0.0267334 , -0.140625  ,  0.08837891,  0.13964844,
         0.11035156,  0.20996094,  0.11962891, -0.09619141,  0.0625    ,
        -0.00500488,  0.01153564, -0.17089844, -0.28125   , -0.01031494,
         0.15332031,  0.00521851, -0.23242188,  0.06542969, -0.1484375 ,
         0.2421875 ,  0.04394531, -0.34375   ,  0.09033203,  0.16113281,
         0.06176758,  0.17382812,  0.10546875, -0.14453125,  0.09179688,
        -0.03588867, -0.01672363,  0.06982422, -0.12060547, -0.03271484,
         0.08984375, -0.08447266, -0.203125  ,  0.21777344,  0.10742188,
        -0.02709961,  0.07470703,  0.0039978 , -0.03112793, -0.06494141,
         0.04931641,  0.43164062, -0.11767578, -0.05102539, -0.01623535,
        -0.15039062, -0.11474609, -0.04418945,  0.07910156,  0.02624512,
         0.0402832 ,  0.15234375, -0.20410156, -0.00561523,  0.03088379,
         0.01696777,  0.171875  ,  0.0090332 ,  0.11474609, -0.265625  ,
         0.0378418 , -0.00756836,  0.05200195,  0.01965332, -0.11083984,
        -0.06005859,  0.09179688,  0.2734375 ,  0.00610352,  0.12890625,
         0.12890625,  0.09716797, -0.01220703, -0.09912109, -0.28515625,
        -0.37695312, -0.07177734, -0.11328125, -0.09082031,  0.04394531,
```

```
         0.015625  , -0.12255859,  0.09033203, -0.07714844,  0.06298828,
         0.00534058,  0.04370117,  0.03063965,  0.15917969,  0.11523438,
         0.0246582 , -0.16601562, -0.02758789,  0.04589844,  0.11035156,
        -0.08642578, -0.01251221, -0.05615234, -0.08447266, -0.09619141,
        -0.01391602, -0.0222168 ,  0.10107422,  0.10986328, -0.03686523,
         0.21289062,  0.10986328,  0.15625   ,  0.01489258, -0.10449219,
        -0.33984375, -0.17089844, -0.296875  , -0.16113281,  0.00283813,
        -0.16503906, -0.2421875 , -0.0390625 , -0.09423828, -0.14746094,
         0.06982422,  0.16113281, -0.01226807, -0.05078125, -0.08496094,
         0.05932617,  0.03222656, -0.15625   , -0.07519531,  0.12890625,
         0.00585938, -0.15722656,  0.05786133,  0.00334167,  0.05297852,
        -0.26953125, -0.0534668 ,  0.04174805, -0.16308594, -0.18164062,
        -0.04736328, -0.17871094, -0.02050781, -0.03540039,  0.07373047,
         0.05029297, -0.109375  ,  0.02868652, -0.12597656, -0.078125  ,
         0.01037598, -0.04394531, -0.26171875, -0.09082031, -0.12988281,
         0.00337219,  0.02380371,  0.20214844,  0.01989746, -0.09765625,
         0.03540039,  0.14550781,  0.10888672,  0.12792969,  0.1875    ,
         0.21386719, -0.04199219, -0.17480469, -0.04223633,  0.07763672,
         0.12890625, -0.11425781, -0.10986328, -0.00982666, -0.04980469,
        -0.14941406,  0.25195312, -0.01879883, -0.05273438, -0.11230469,
        -0.04711914, -0.03173828, -0.25585938, -0.05517578, -0.02746582,
        -0.203125  , -0.05297852, -0.08837891,  0.09179688,  0.015625  ,
         0.08935547, -0.1640625 ,  0.10351562,  0.03027344, -0.1640625 ,
         0.18847656, -0.02832031, -0.17578125,  0.16601562, -0.04833984,
        -0.07421875,  0.00151825,  0.03369141, -0.08935547, -0.02233887],
       dtype=float32),
 'possess': array([ 8.15429688e-02, -8.49609375e-02,  3.12500000e-02, -1.30
859375e-01,
        -1.99218750e-01,  9.52148438e-02,  1.50390625e-01, -1.08398438e-01,
        -1.94335938e-01,  6.44531250e-02, -1.42578125e-01, -3.93066406e-02,
        -2.07031250e-01,  2.30468750e-01, -1.93359375e-01,  1.57226562e-01,
         4.46777344e-02,  3.06640625e-01, -2.85156250e-01, -1.44531250e-01,
        -3.00781250e-01, -3.90625000e-01, -1.78527832e-03,  1.28906250e-01,
         1.70898438e-01, -1.43554688e-01, -1.09863281e-01,  1.66992188e-01,
        -2.44140625e-01, -1.10839844e-01,  1.51977539e-02,  4.24804688e-02,
        -1.54296875e-01, -3.14941406e-02,  1.05468750e-01,  1.89453125e-01,
        -7.81250000e-02,  9.03320312e-02, -1.67968750e-01,  1.31835938e-01,
         2.29492188e-01,  2.43164062e-01,  7.37304688e-02,  1.34765625e-01,
        -3.83377075e-04, -2.89062500e-01,  6.22558594e-02,  8.39843750e-02,
        -1.80664062e-01, -1.25976562e-01, -3.65234375e-01, -6.34765625e-02,
         1.70898438e-02, -1.47460938e-01,  2.46582031e-02,  1.02539062e-01,
         2.01171875e-01, -3.02734375e-01, -1.14746094e-01,  5.20019531e-02,
         2.83203125e-01,  2.74658203e-02, -1.58691406e-02, -9.03320312e-02,
        -7.42187500e-02,  8.49609375e-02, -1.08398438e-01,  1.66015625e-01,
        -1.91406250e-01,  1.04492188e-01, -1.18652344e-01,  1.20849609e-02,
         1.84570312e-01, -2.62451172e-02,  1.94335938e-01, -1.29882812e-01,
        -2.10937500e-01,  1.23046875e-01,  1.15234375e-01,  1.61132812e-01,
        -1.12792969e-01, -2.19726562e-01, -2.03857422e-02, -2.00195312e-02,
         9.91210938e-02,  4.85839844e-02, -3.55468750e-01,  1.10839844e-01,
        -1.15234375e-01,  3.08837891e-02, -2.57812500e-01, -1.93359375e-01,
         5.17578125e-02,  4.56542969e-02,  2.96875000e-01, -4.12109375e-01,
         1.98242188e-01,  2.43164062e-01, -2.02148438e-01,  1.04492188e-01,
         5.29785156e-02, -7.56835938e-02, -7.32421875e-03,  1.66015625e-01,
         2.25585938e-01, -2.71484375e-01, -3.90625000e-02, -8.74023438e-02,
         1.44531250e-01, -4.02832031e-02, -7.03125000e-02,  1.66015625e-01,
        -3.63281250e-01,  1.19140625e-01,  1.47705078e-02,  3.04687500e-01,
         3.02734375e-02, -3.29589844e-02, -2.02636719e-02, -5.03906250e-01,
        -1.86767578e-02, -2.10937500e-01,  1.87500000e-01,  4.41894531e-02,
        -3.53515625e-01, -5.07812500e-02,  3.32031250e-02, -1.96289062e-01,
         3.14941406e-02,  3.90625000e-02,  2.96875000e-01,  1.20117188e-01,
         4.58984375e-02,  1.38671875e-01, -5.17578125e-02, -1.42578125e-01,
         3.95507812e-02,  1.79443359e-02, -1.09375000e-01, -1.24023438e-01,
        -1.37695312e-01,  1.77001953e-02, -1.17187500e-01, -2.56347656e-02,
         1.82617188e-01,  7.95898438e-02,  2.62451172e-02, -8.83789062e-02,
```

```
        -1.54296875e-01, -4.68750000e-02,  2.16796875e-01, -2.77099609e-02,
        -2.02148438e-01, -2.41699219e-02, -1.17675781e-01,  1.06933594e-01,
        -2.55859375e-01, -4.90722656e-02,  1.15234375e-01, -9.91210938e-02,
         2.98828125e-01, -3.26171875e-01, -8.20312500e-02, -7.08007812e-02,
        -2.06298828e-02, -2.91015625e-01,  1.44531250e-01, -4.27246094e-02,
        -7.42187500e-02, -2.78320312e-02, -2.34375000e-01, -1.89453125e-01,
        -1.08398438e-01, -1.97265625e-01, -1.44531250e-01, -4.98046875e-02,
         5.66406250e-02, -1.20117188e-01, -1.51367188e-01, -3.80859375e-01,
        -1.41601562e-01,  7.86132812e-02,  1.53320312e-01, -1.10351562e-01,
        -3.30078125e-01, -2.29492188e-01,  5.39550781e-02, -5.11718750e-01,
        -8.98437500e-02,  1.16210938e-01, -1.14257812e-01,  4.83398438e-02,
        -4.93164062e-02, -4.15039062e-02, -6.86645508e-03,  3.75366211e-03,
         1.04492188e-01, -1.11816406e-01, -1.39648438e-01, -2.89062500e-01,
         1.25000000e-01,  2.22656250e-01, -9.08203125e-02,  9.52148438e-02,
        -2.28515625e-01,  1.42211914e-02,  7.56835938e-02,  4.24804688e-02,
         8.44726562e-02, -2.07031250e-01, -6.34765625e-02, -3.34472656e-02,
        -1.34765625e-01, -1.67083740e-03, -1.66992188e-01,  2.22656250e-01,
         2.84423828e-02, -8.15429688e-02, -2.43164062e-01, -5.49316406e-02,
         8.00781250e-02, -1.46484375e-01, -1.83593750e-01, -3.17382812e-02,
         2.04101562e-01,  1.63085938e-01,  2.73437500e-01, -1.95312500e-01,
        -3.63769531e-02,  1.96289062e-01,  3.02734375e-01, -1.58203125e-01,
         1.00585938e-01,  2.12890625e-01,  2.59765625e-01,  2.13867188e-01,
         3.54003906e-02, -2.61718750e-01,  3.93066406e-02, -7.22656250e-02,
        -1.10351562e-01,  1.57226562e-01, -1.91650391e-02, -6.07910156e-02,
        -6.03027344e-02,  1.57226562e-01, -9.71679688e-02, -6.29882812e-02,
         8.34960938e-02, -4.34570312e-02,  1.47460938e-01,  5.68847656e-02,
         3.27148438e-02,  5.89843750e-01,  5.81054688e-02,  4.19921875e-02,
        -1.38671875e-01,  1.21582031e-01, -1.58203125e-01,  2.57812500e-01,
         1.55273438e-01, -2.79296875e-01, -1.94335938e-01,  9.57031250e-02,
         5.76171875e-02,  8.25195312e-02, -6.73828125e-02, -5.51757812e-02,
        -1.97265625e-01, -2.94921875e-01, -3.14941406e-02,  1.11328125e-01,
         1.52343750e-01,  1.44531250e-01,  3.71093750e-02,  5.32226562e-02,
        -9.37500000e-02, -1.41601562e-01, -2.55859375e-01,  1.18164062e-01,
        -6.77490234e-03,  4.32128906e-02,  4.45312500e-01,  5.79833984e-03,
        -1.33789062e-01, -2.36328125e-01, -1.00585938e-01, -9.42382812e-02,
        -4.51660156e-02,  7.91015625e-02,  2.27539062e-01, -6.98242188e-02,
         8.30078125e-02,  1.34765625e-01, -1.80664062e-01, -2.45117188e-01,
        -5.17578125e-02, -3.67187500e-01,  1.10839844e-01,  9.66796875e-0
2],
       dtype=float32),
 'computer': array([ 1.07421875e-01, -2.01171875e-01,  1.23046875e-01,  2.1
1914062e-01,
        -9.13085938e-02,  2.16796875e-01, -1.31835938e-01,  8.30078125e-02,
         2.02148438e-01,  4.78515625e-02,  3.66210938e-02, -2.45361328e-02,
         2.39257812e-02, -1.60156250e-01, -2.61230469e-02,  9.71679688e-02,
        -6.34765625e-02,  1.84570312e-01,  1.70898438e-01, -1.63085938e-01,
        -1.09375000e-01,  1.49414062e-01, -4.65393066e-04,  9.61914062e-02,
         1.68945312e-01,  2.60925293e-03,  8.93554688e-02,  6.49414062e-02,
         3.56445312e-02, -6.93359375e-02, -1.46484375e-01, -1.21093750e-01,
        -2.27539062e-01,  2.45361328e-02, -1.24511719e-01, -3.18359375e-01,
        -2.20703125e-01,  1.30859375e-01,  3.66210938e-02, -3.63769531e-02,
        -1.13281250e-01,  1.95312500e-01,  9.76562500e-02,  1.26953125e-01,
         6.59179688e-02,  6.93359375e-02,  1.02539062e-02,  1.75781250e-01,
        -1.68945312e-01,  1.21307373e-03, -2.98828125e-01, -1.15234375e-01,
         5.66406250e-02, -1.77734375e-01, -2.08984375e-01,  1.76757812e-01,
         2.38037109e-02, -2.57812500e-01, -4.46777344e-02,  1.88476562e-01,
         5.51757812e-02,  5.02929688e-02, -1.06933594e-01,  1.89453125e-01,
        -1.16210938e-01,  8.49609375e-02, -1.71875000e-01,  2.45117188e-01,
        -1.73828125e-01, -8.30078125e-03,  4.56542969e-02, -1.61132812e-02,
         1.86523438e-01, -6.05468750e-02, -4.17480469e-02,  1.82617188e-01,
         2.20703125e-01, -1.22558594e-01, -2.55126953e-02, -3.08593750e-01,
         9.13085938e-02,  1.60156250e-01,  1.70898438e-01,  1.19628906e-01,
         7.08007812e-02, -2.64892578e-02, -3.08837891e-02,  4.06250000e-01,
        -1.01562500e-01,  5.71289062e-02, -7.26318359e-03, -9.17968750e-02,
```

```
        -1.50390625e-01, -2.55859375e-01,  2.16796875e-01, -3.63769531e-02,
         2.24609375e-01,  8.00781250e-02,  1.56250000e-01,  5.27343750e-02,
         1.50390625e-01, -1.14746094e-01, -8.64257812e-02,  1.19140625e-01,
        -7.17773438e-02,  2.73437500e-01, -1.64062500e-01,  7.29370117e-03,
         4.21875000e-01, -1.12792969e-01, -1.35742188e-01, -1.31835938e-01,
        -1.37695312e-01, -7.66601562e-02,  6.25000000e-02,  4.98046875e-02,
        -1.91406250e-01, -6.03027344e-02,  2.27539062e-01,  5.88378906e-02,
        -3.24218750e-01,  5.41992188e-02, -1.35742188e-01,  8.17871094e-03,
        -5.24902344e-02, -1.74713135e-03, -9.81445312e-02, -2.86865234e-02,
         3.61328125e-02,  2.15820312e-01,  5.98144531e-02, -3.08593750e-01,
        -2.27539062e-01,  2.61718750e-01,  9.86328125e-02, -5.07812500e-02,
         1.78222656e-02,  1.31835938e-01, -5.35156250e-01, -1.81640625e-01,
         1.38671875e-01, -3.10546875e-01, -9.71679688e-02,  1.31835938e-01,
        -1.16210938e-01,  7.03125000e-02,  2.85156250e-01,  3.51562500e-02,
        -1.01562500e-01, -3.75976562e-02,  1.41601562e-01,  1.42578125e-01,
        -5.68847656e-02,  2.65625000e-01, -2.09960938e-01,  9.64355469e-03,
        -6.68945312e-02, -4.83398438e-02, -6.10351562e-02,  2.45117188e-01,
        -9.66796875e-02,  1.78222656e-02, -1.27929688e-01, -4.78515625e-02,
        -7.26318359e-03,  1.79687500e-01,  2.78320312e-02, -2.10937500e-01,
        -1.43554688e-01, -1.27929688e-01,  1.73339844e-02, -3.60107422e-03,
        -2.04101562e-01,  3.63159180e-03, -1.19628906e-01, -6.15234375e-02,
         5.93261719e-02, -3.23486328e-03, -1.70898438e-01, -3.14941406e-02,
        -8.88671875e-02, -2.89062500e-01,  3.44238281e-02, -1.87500000e-01,
         2.94921875e-01,  1.58203125e-01, -1.19628906e-01,  7.61718750e-02,
         6.39648438e-02, -4.68750000e-02, -6.83593750e-02,  1.21459961e-02,
        -1.44531250e-01,  4.54101562e-02,  3.68652344e-02,  3.88671875e-01,
         1.45507812e-01, -2.55859375e-01, -4.46777344e-02, -1.33789062e-01,
        -1.38671875e-01,  6.59179688e-02,  1.37695312e-01,  1.14746094e-01,
         2.03125000e-01, -4.78515625e-02,  1.80664062e-02, -8.54492188e-02,
        -2.48046875e-01, -3.39843750e-01, -2.83203125e-02,  1.05468750e-01,
        -2.14843750e-01, -8.74023438e-02,  7.12890625e-02,  1.87500000e-01,
        -1.12304688e-01,  2.73437500e-01, -3.26171875e-01, -1.77734375e-01,
        -4.24804688e-02, -2.69531250e-01,  6.64062500e-02, -6.88476562e-02,
        -1.99218750e-01, -7.03125000e-02, -2.43164062e-01, -3.66210938e-02,
        -7.37304688e-02, -1.77734375e-01,  9.17968750e-02, -1.25000000e-01,
        -1.65039062e-01, -3.57421875e-01, -2.85156250e-01, -1.66992188e-01,
         1.97265625e-01, -1.53320312e-01,  2.31933594e-02,  2.06054688e-01,
         1.80664062e-01, -2.74658203e-02, -1.92382812e-01, -9.61914062e-02,
        -1.06811523e-02, -4.73632812e-02,  6.54296875e-02, -1.25732422e-02,
         1.78222656e-02, -8.00781250e-02, -2.59765625e-01,  9.37500000e-02,
        -7.81250000e-02,  4.68750000e-02, -2.22167969e-02,  1.86767578e-02,
         3.11279297e-02,  1.04980469e-02, -1.69921875e-01,  2.58789062e-02,
        -3.41796875e-02, -1.44042969e-02, -5.46875000e-02, -8.78906250e-02,
         1.96838379e-03,  2.23632812e-01, -1.36718750e-01,  1.75781250e-01,
        -1.63085938e-01,  1.87500000e-01,  3.44238281e-02, -5.63964844e-02,
        -2.27689743e-05,  4.27246094e-02,  5.81054688e-02, -1.07910156e-01,
        -3.88183594e-02, -2.69531250e-01,  3.34472656e-02,  9.81445312e-02,
         5.63964844e-02,  2.23632812e-01, -5.49316406e-02,  1.46484375e-01,
         5.93261719e-02, -2.19726562e-01,  6.39648438e-02,  1.66015625e-02,
         4.56542969e-02,  3.26171875e-01, -3.80859375e-01,  1.70898438e-01,
         5.66406250e-02, -1.04492188e-01,  1.38671875e-01, -1.57226562e-01,
         3.23486328e-03, -4.80957031e-02, -2.48046875e-01, -6.20117188e-0
2],
       dtype=float32),
 'adapt': array([-9.64355469e-03,  1.58203125e-01, -3.10546875e-01,  8.3007
8125e-02,
        -2.19726562e-01,  9.91210938e-02, -7.95898438e-02,  2.28515625e-01,
        -4.66308594e-02, -1.97753906e-02,  9.71679688e-02, -6.29882812e-02,
        -9.61914062e-02,  3.90625000e-02, -2.14843750e-01, -3.62396240e-04,
        -2.30468750e-01,  3.55468750e-01,  1.95312500e-01, -4.37011719e-02,
        -6.44531250e-02,  1.52343750e-01,  1.60156250e-01,  1.21093750e-01,
         2.71484375e-01,  2.45666504e-03,  9.27734375e-02, -2.19726562e-01,
         1.34765625e-01, -5.05371094e-02, -7.08007812e-02,  2.77343750e-01,
         1.24511719e-01, -1.75781250e-01,  7.27539062e-02, -5.73730469e-03,
```

```
-4.37011719e-02,  3.80859375e-02,  9.03320312e-02,  7.66601562e-02,
 3.20312500e-01,  1.06933594e-01, -5.56640625e-02,  6.78710938e-02,
 2.32421875e-01, -1.34765625e-01, -2.31445312e-01, -4.54101562e-02,
-1.29882812e-01,  8.15429688e-02, -3.28125000e-01, -1.28906250e-01,
-2.45117188e-01, -3.14453125e-01, -2.75390625e-01,  9.76562500e-02,
 4.51660156e-02, -3.10546875e-01,  1.29882812e-01, -1.93359375e-01,
-7.08007812e-02, -6.78710938e-02, -2.21679688e-01,  9.08203125e-02,
 2.24609375e-01,  5.27343750e-02,  2.08984375e-01,  7.22656250e-02,
 5.24902344e-02,  2.94921875e-01,  2.09960938e-02,  9.47265625e-02,
 3.32031250e-02, -5.24902344e-02, -3.28125000e-01, -2.21679688e-01,
 5.90820312e-02,  2.33398438e-01, -2.04101562e-01, -1.11083984e-02,
 3.32031250e-01,  2.59765625e-01, -2.20947266e-02,  2.16796875e-01,
 6.68945312e-02,  7.44628906e-03, -2.26562500e-01,  1.67968750e-01,
-5.20019531e-02,  2.85156250e-01,  1.90429688e-01, -5.41992188e-02,
-6.44531250e-02, -1.17675781e-01,  2.12669373e-04, -1.79687500e-01,
-2.77709961e-03, -2.50000000e-01, -5.24902344e-03, -3.02734375e-01,
-1.04980469e-01,  7.76367188e-02, -2.29492188e-02,  3.65234375e-01,
-1.21582031e-01, -4.37500000e-01,  1.51367188e-01, -8.00781250e-02,
-7.78198242e-03,  4.51660156e-02, -1.06933594e-01, -4.49218750e-02,
-3.35937500e-01, -6.00585938e-02,  1.70898438e-01, -7.27539062e-02,
 1.56250000e-01, -5.95703125e-02,  1.38671875e-01,  2.35351562e-01,
-2.75390625e-01, -2.51953125e-01,  1.34765625e-01,  2.16796875e-01,
 1.06201172e-02, -1.62109375e-01, -2.83203125e-01,  3.88183594e-02,
-1.88476562e-01,  2.55859375e-01,  2.43164062e-01, -9.13085938e-02,
-1.42578125e-01,  4.44335938e-02, -1.57470703e-02,  1.23046875e-01,
 2.19726562e-02,  6.71386719e-03,  1.04980469e-02, -1.36718750e-01,
 1.51367188e-01,  6.64062500e-02, -2.71484375e-01,  9.86328125e-02,
 3.02734375e-01, -1.78222656e-02,  1.76757812e-01,  7.42187500e-02,
 1.06445312e-01, -3.58886719e-02, -1.62109375e-01, -1.93359375e-01,
-3.93066406e-02,  7.76367188e-02,  6.88476562e-02, -1.09863281e-01,
-7.47070312e-02, -2.55126953e-02,  1.96533203e-02, -2.35351562e-01,
 3.47656250e-01,  4.46777344e-02, -2.33398438e-01, -3.00781250e-01,
-1.09863281e-01, -1.69921875e-01,  8.05664062e-02, -2.24609375e-01,
 2.27539062e-01,  1.12304688e-02, -9.86328125e-02,  8.83789062e-02,
-9.76562500e-02,  2.29492188e-02,  1.44531250e-01,  2.47070312e-01,
 1.81640625e-01, -1.40625000e-01, -2.49023438e-01,  4.58984375e-02,
-3.63769531e-02, -9.76562500e-02,  2.44140625e-01, -2.09960938e-01,
-2.08007812e-01, -2.61718750e-01, -1.96289062e-01, -3.80859375e-02,
-2.12890625e-01, -8.30078125e-02,  1.48437500e-01, -1.40380859e-02,
-1.50390625e-01,  2.50000000e-01, -4.80957031e-02, -1.77734375e-01,
 2.00195312e-01, -8.64257812e-02, -2.59765625e-01, -2.36328125e-01,
 1.09375000e-01,  1.33666992e-02, -2.07519531e-02,  9.57031250e-02,
-6.88476562e-02, -9.37500000e-02, -4.85839844e-02, -4.12597656e-02,
 6.44531250e-02,  4.46777344e-02, -1.28784180e-02,  1.75781250e-01,
 1.76757812e-01,  3.92913818e-04, -2.51953125e-01, -4.78515625e-02,
 4.86328125e-01, -1.84570312e-01, -1.26953125e-01, -1.61132812e-01,
-1.13769531e-01,  9.76562500e-02, -1.55273438e-01, -8.10546875e-02,
-3.68652344e-02, -7.56835938e-02,  1.07910156e-01, -2.23632812e-01,
-1.45507812e-01,  1.66015625e-01, -2.23388672e-02,  5.85937500e-02,
 3.55468750e-01, -1.85546875e-01,  5.42968750e-01, -2.13867188e-01,
-2.04101562e-01, -1.32812500e-01, -3.14941406e-02,  2.92968750e-01,
-3.67187500e-01, -1.34765625e-01,  4.58984375e-02, -8.93554688e-02,
-1.57470703e-02, -2.17285156e-02, -2.69531250e-01, -1.08032227e-02,
-3.78417969e-02, -2.67578125e-01,  2.17773438e-01,  3.16406250e-01,
-2.75390625e-01,  2.02148438e-01,  5.20019531e-02, -8.25195312e-02,
-1.15234375e-01,  9.03320312e-02, -1.51367188e-01, -6.68945312e-02,
-1.80664062e-01,  1.62109375e-01,  6.88476562e-02,  2.94921875e-01,
 4.19921875e-01, -2.13623047e-02,  1.22558594e-01, -1.27929688e-01,
-2.46093750e-01, -1.46484375e-01, -1.10351562e-01,  1.62109375e-01,
-4.02832031e-02, -4.95605469e-02,  3.44238281e-02, -1.14257812e-01,
-4.74609375e-01, -3.44238281e-02, -1.09375000e-01, -1.26953125e-01,
 6.44531250e-02,  1.74804688e-01,  4.63867188e-02, -1.05468750e-01,
 1.66992188e-01,  6.64062500e-02, -1.87988281e-02,  1.36718750e-01,
 1.47705078e-02,  3.43750000e-01, -3.16406250e-01,  2.55859375e-01,
```

```
        -1.12792969e-01, -2.01416016e-02,  3.38745117e-03,  8.34960938e-02,
         1.23046875e-01,  2.98828125e-01,  9.91210938e-02,  9.17968750e-0
2],
       dtype=float32),
 'proprietary': array([ 0.03222656, -0.03662109,  0.10400391,  0.09082031,
-0.31054688,
         0.01275635, -0.12109375,  0.06298828,  0.140625  ,  0.00415039,
        -0.31835938, -0.08837891,  0.05493164, -0.17871094, -0.12255859,
         0.09277344, -0.03198242,  0.00189209, -0.26367188, -0.06347656,
        -0.265625  ,  0.00094604, -0.19726562,  0.12792969, -0.00543213,
        -0.05371094,  0.14941406,  0.21386719, -0.10400391, -0.390625  ,
         0.20996094, -0.15136719,  0.17871094,  0.00671387,  0.13867188,
         0.18066406, -0.10058594, -0.27929688, -0.09179688, -0.54296875,
         0.08691406,  0.11865234,  0.07226562, -0.13964844, -0.01928711,
        -0.07421875, -0.30273438, -0.12597656, -0.09033203, -0.02648926,
         0.11181641,  0.05053711,  0.03100586, -0.3984375 , -0.11621094,
         0.265625  , -0.25195312, -0.42578125,  0.40234375, -0.13183594,
         0.12207031, -0.00674438, -0.03112793,  0.08251953, -0.39648438,
        -0.15136719, -0.08251953,  0.16699219,  0.16894531, -0.02844238,
        -0.05419922, -0.19335938,  0.34179688,  0.07519531,  0.01104736,
        -0.06933594,  0.48046875, -0.34570312,  0.14453125,  0.03515625,
         0.06787109, -0.03149414, -0.15039062, -0.13476562,  0.29492188,
         0.07128906, -0.1171875 ,  0.44140625, -0.21679688,  0.19824219,
        -0.08789062, -0.08642578, -0.07128906,  0.3671875 , -0.03637695,
        -0.07568359, -0.15820312, -0.25585938,  0.22851562, -0.03930664,
         0.24707031, -0.05615234,  0.07763672, -0.04956055,  0.07275391,
        -0.04858398, -0.04174805,  0.40039062,  0.17285156,  0.01696777,
         0.03393555,  0.07666016, -0.16699219, -0.11132812,  0.16601562,
         0.28125   , -0.19140625, -0.21582031,  0.17089844, -0.33984375,
        -0.06933594,  0.04638672, -0.07226562,  0.0534668 ,  0.09960938,
        -0.02050781, -0.30859375,  0.3203125 ,  0.08691406,  0.12255859,
         0.05224609, -0.02319336,  0.06494141, -0.05126953, -0.13964844,
         0.10644531,  0.27539062, -0.12207031,  0.0390625 , -0.06176758,
         0.04492188, -0.17382812, -0.14746094, -0.00149536,  0.20410156,
         0.02331543,  0.22851562, -0.04516602,  0.12353516, -0.08056641,
         0.25976562, -0.25195312,  0.02453613, -0.0402832 , -0.03833008,
        -0.23925781, -0.35351562, -0.0300293 , -0.21191406,  0.16699219,
        -0.09619141,  0.14550781, -0.37695312,  0.22265625,  0.03759766,
         0.03662109, -0.2734375 , -0.31640625, -0.13378906, -0.02233887,
         0.20410156, -0.34179688,  0.23730469,  0.17578125, -0.05200195,
        -0.19921875,  0.10107422, -0.28710938, -0.3125    , -0.22363281,
        -0.09619141, -0.11230469,  0.28515625, -0.08837891, -0.15429688,
         0.10009766,  0.00227356,  0.13476562,  0.16308594,  0.0703125 ,
        -0.4765625 , -0.23242188, -0.03125   , -0.15429688, -0.12988281,
        -0.02490234, -0.41015625, -0.39648438, -0.00964355, -0.20996094,
        -0.11230469,  0.0088501 ,  0.01806641,  0.375     , -0.41210938,
        -0.03320312,  0.11181641, -0.08447266, -0.33398438, -0.2109375 ,
        -0.0703125 ,  0.21484375, -0.00350952,  0.36132812,  0.13378906,
         0.13378906,  0.14550781,  0.08300781, -0.10644531,  0.03015137,
        -0.28710938,  0.05810547,  0.13769531, -0.15820312, -0.06835938,
         0.05615234,  0.12890625, -0.1015625 ,  0.04736328,  0.02172852,
        -0.15136719,  0.2265625 ,  0.11474609, -0.00509644, -0.34570312,
        -0.35351562, -0.09130859,  0.03344727, -0.05688477, -0.15722656,
         0.19921875, -0.07861328,  0.09521484, -0.04321289, -0.07080078,
        -0.05834961,  0.13378906,  0.27734375, -0.02539062, -0.26757812,
         0.00750732, -0.18847656,  0.10058594, -0.41601562, -0.16894531,
        -0.07519531, -0.11962891, -0.19921875, -0.07861328,  0.16699219,
        -0.02258301,  0.08300781,  0.01843262,  0.04223633, -0.16699219,
         0.0859375 , -0.12890625, -0.23925781, -0.22558594,  0.00367737,
        -0.02612305,  0.14160156, -0.14453125, -0.22167969, -0.03442383,
        -0.05859375, -0.03881836, -0.1640625 ,  0.11425781, -0.125     ,
        -0.2578125 ,  0.1953125 , -0.03320312,  0.1640625 ,  0.04077148,
         0.06298828,  0.02844238,  0.14746094, -0.09277344,  0.00964355,
         0.04345703,  0.25976562, -0.07275391,  0.26367188,  0.07275391,
```

```
         0.203125  ,  0.16015625,  0.03735352, -0.33203125,  0.17578125],
       dtype=float32),
 'software': array([ 0.20410156, -0.30078125, -0.01391602,  0.11914062, -0.
21875   ,
         0.08740234,  0.02490234,  0.296875  ,  0.10253906,  0.03588867,
        -0.03540039, -0.15527344, -0.00390625, -0.14941406,  0.05224609,
         0.04736328,  0.18066406,  0.05810547, -0.1640625 , -0.15136719,
        -0.03808594,  0.16308594, -0.09814453,  0.11035156, -0.02319336,
         0.07958984,  0.10986328,  0.11425781, -0.01025391, -0.24609375,
        -0.08300781, -0.1171875 , -0.11279297, -0.16894531, -0.0067749 ,
        -0.16601562, -0.15039062, -0.08007812,  0.25      ,  0.0098877 ,
         0.04125977,  0.12695312,  0.21777344,  0.05297852, -0.10839844,
         0.0378418 , -0.26171875, -0.21289062, -0.04248047,  0.22949219,
         0.06640625, -0.09716797, -0.01391602, -0.33007812, -0.10986328,
         0.18457031,  0.14257812, -0.1875    ,  0.12402344,  0.06225586,
         0.13085938, -0.01116943, -0.06591797,  0.00059891, -0.34570312,
         0.16015625, -0.13867188,  0.01647949, -0.08203125, -0.03198242,
        -0.05053711,  0.03515625, -0.1328125 ,  0.04174805,  0.08642578,
        -0.04858398,  0.09521484, -0.08837891,  0.03759766, -0.1015625 ,
         0.13769531,  0.04248047, -0.14746094,  0.07324219,  0.09472656,
        -0.296875  ,  0.17480469,  0.22949219, -0.06201172,  0.171875  ,
         0.01733398, -0.13183594, -0.18164062, -0.11523438, -0.10058594,
        -0.23046875, -0.03063965, -0.0612793 ,  0.25976562, -0.06298828,
         0.07666016, -0.06079102, -0.10400391,  0.0168457 , -0.05419922,
         0.37109375, -0.18652344,  0.32226562,  0.3046875 , -0.06005859,
        -0.10449219,  0.01074219, -0.22070312, -0.03564453,  0.08007812,
         0.1015625 , -0.08837891, -0.11669922,  0.37695312, -0.16015625,
        -0.36523438,  0.16503906, -0.19042969, -0.07861328,  0.20800781,
        -0.00958252, -0.26171875,  0.0291748 ,  0.18066406, -0.13574219,
        -0.02490234,  0.04736328, -0.04418945, -0.10693359, -0.05664062,
         0.04858398,  0.1953125 ,  0.13964844, -0.2734375 ,  0.0090332 ,
        -0.03491211, -0.25390625,  0.02368164,  0.18847656, -0.14257812,
        -0.09570312,  0.33203125,  0.06347656, -0.140625  , -0.11816406,
         0.00897217, -0.07666016, -0.08984375,  0.12402344, -0.09130859,
        -0.11279297, -0.17285156,  0.09960938, -0.265625  , -0.0456543 ,
        -0.02856445,  0.01324463, -0.265625  , -0.00367737,  0.109375  ,
        -0.04663086, -0.03198242, -0.07568359, -0.28515625, -0.03222656,
         0.00738525, -0.08740234,  0.02270508, -0.06445312,  0.04833984,
        -0.14160156,  0.296875  , -0.03613281, -0.25976562, -0.21972656,
        -0.23632812, -0.13867188, -0.0625    , -0.20019531, -0.01635742,
         0.13574219, -0.08935547,  0.234375  ,  0.04125977, -0.25195312,
        -0.26953125,  0.01379395, -0.28125   , -0.04516602, -0.26171875,
         0.05688477, -0.04541016, -0.10742188, -0.19238281, -0.27148438,
        -0.16210938, -0.06835938,  0.10693359,  0.15820312, -0.12304688,
        -0.04858398,  0.16015625, -0.04589844, -0.00390625, -0.41015625,
         0.0057373 ,  0.20117188,  0.00958252,  0.171875  , -0.13964844,
         0.04492188, -0.06640625,  0.12255859, -0.22558594, -0.21289062,
        -0.06982422, -0.25585938,  0.12158203, -0.04736328, -0.24414062,
        -0.0456543 , -0.19140625, -0.20019531,  0.16601562, -0.01599121,
        -0.06347656, -0.11083984, -0.17675781, -0.36523438, -0.30078125,
        -0.04199219, -0.03686523, -0.26757812,  0.08935547,  0.0480957 ,
         0.11376953, -0.09521484, -0.08544922,  0.07763672,  0.05078125,
        -0.34765625, -0.01696777,  0.12890625,  0.13769531, -0.17675781,
        -0.21679688,  0.02905273, -0.12011719,  0.04638672, -0.10888672,
         0.01867676, -0.12890625, -0.00497437, -0.14355469,  0.09082031,
         0.03564453,  0.02978516,  0.15332031, -0.07568359, -0.12597656,
        -0.01275635, -0.18457031,  0.0291748 , -0.31640625, -0.0546875 ,
         0.05981445, -0.10595703, -0.25195312, -0.05737305,  0.10205078,
        -0.02160645,  0.01330566, -0.01708984,  0.04492188, -0.0246582 ,
        -0.27929688,  0.12353516, -0.01324463,  0.24316406,  0.06689453,
        -0.16308594,  0.09863281,  0.06640625,  0.04248047,  0.28515625,
        -0.13867188,  0.14648438, -0.03515625, -0.01477051,  0.21484375,
         0.05981445,  0.10253906, -0.0144043 , -0.03735352,  0.10742188],
       dtype=float32),
```

```
 'verbal': array([-0.13964844, -0.12207031,  0.14550781,  0.03588867, -0.13
574219,
         0.00866699,  0.26367188,  0.08935547,  0.10058594,  0.34765625,
        -0.0279541 , -0.296875  , -0.06225586,  0.5       ,  0.10791016,
        -0.20019531,  0.12255859,  0.13085938,  0.07177734, -0.15234375,
         0.02893066,  0.21582031, -0.01428223, -0.00300598, -0.15917969,
        -0.390625  ,  0.07177734,  0.16796875,  0.11816406,  0.25      ,
         0.02197266, -0.08300781, -0.21289062, -0.09960938, -0.19433594,
        -0.06689453, -0.0378418 ,  0.17480469,  0.0559082 ,  0.02270508,
        -0.09033203, -0.109375  ,  0.27539062,  0.07910156, -0.22265625,
         0.05834961,  0.18164062, -0.08496094, -0.37304688,  0.125     ,
        -0.10351562,  0.2109375 , -0.43945312,  0.03735352,  0.10253906,
         0.15136719,  0.02038574, -0.4453125 , -0.16210938, -0.34765625,
        -0.10449219,  0.14160156,  0.265625  ,  0.18164062, -0.15039062,
         0.06591797, -0.171875  , -0.06591797, -0.23535156, -0.12890625,
         0.00805664, -0.29492188,  0.06176758,  0.15234375,  0.11035156,
         0.01483154, -0.02453613,  0.19824219, -0.06152344,  0.17871094,
         0.09277344,  0.20996094, -0.12304688, -0.0145874 ,  0.17675781,
        -0.21875   , -0.10644531, -0.07470703,  0.11621094, -0.02148438,
        -0.31445312, -0.16796875, -0.29492188,  0.01867676,  0.06298828,
        -0.00585938, -0.09716797,  0.08154297, -0.20507812,  0.02429199,
         0.11914062, -0.16503906, -0.16113281, -0.3515625 ,  0.22070312,
        -0.40429688,  0.29882812, -0.05249023,  0.05932617,  0.03881836,
        -0.62890625,  0.18359375,  0.24414062,  0.09716797, -0.015625  ,
         0.16210938,  0.16503906,  0.05151367,  0.05322266, -0.10107422,
        -0.26757812,  0.25      ,  0.06298828,  0.05126953, -0.05151367,
        -0.10009766, -0.31445312, -0.29492188,  0.13378906, -0.03833008,
        -0.2734375 , -0.22851562, -0.2890625 , -0.00283813, -0.15722656,
        -0.02099609,  0.17285156, -0.03320312, -0.01470947, -0.1328125 ,
        -0.16601562,  0.0144043 , -0.21777344, -0.32421875, -0.30273438,
        -0.10107422,  0.05957031,  0.09423828,  0.203125  ,  0.08300781,
         0.5859375 ,  0.41601562,  0.04077148, -0.31054688, -0.29101562,
        -0.03881836, -0.05541992,  0.01965332,  0.13671875,  0.04760742,
        -0.1171875 ,  0.15136719, -0.08740234,  0.03930664, -0.20019531,
        -0.16992188,  0.15429688, -0.46875   , -0.11767578, -0.06152344,
        -0.05419922, -0.07519531, -0.13378906, -0.23925781,  0.19335938,
        -0.07519531, -0.12158203,  0.01965332,  0.03173828, -0.01525879,
         0.38476562,  0.12597656,  0.10791016,  0.20019531,  0.04150391,
         0.03100586,  0.24804688, -0.24316406, -0.06445312, -0.03491211,
         0.15917969, -0.02050781, -0.03393555,  0.06494141,  0.07324219,
        -0.09863281, -0.08056641, -0.32617188, -0.29492188,  0.09082031,
        -0.26171875,  0.06542969, -0.140625  ,  0.34375   ,  0.2578125 ,
        -0.0255127 ,  0.19726562, -0.19921875,  0.22851562, -0.23632812,
         0.30273438, -0.19335938,  0.06494141, -0.0037384 ,  0.00637817,
        -0.23046875,  0.3203125 ,  0.21972656, -0.05517578,  0.1171875 ,
         0.18164062,  0.22265625, -0.11962891, -0.15039062,  0.33398438,
         0.17382812,  0.40429688,  0.3671875 ,  0.25585938, -0.13476562,
         0.00405884,  0.04003906, -0.03063965,  0.20898438,  0.19140625,
        -0.11376953,  0.05908203, -0.2734375 ,  0.17871094, -0.0625    ,
         0.25976562,  0.1484375 ,  0.06591797, -0.20507812,  0.11767578,
         0.06982422,  0.26171875, -0.16601562,  0.13476562, -0.20605469,
         0.296875  ,  0.08300781, -0.28710938,  0.06689453, -0.07568359,
        -0.29492188,  0.12597656,  0.15332031, -0.17578125,  0.12695312,
         0.140625  ,  0.05273438, -0.12060547, -0.16503906,  0.00830078,
        -0.00994873, -0.18359375, -0.05688477,  0.00145721, -0.0456543 ,
         0.16503906,  0.10498047,  0.10839844, -0.09716797,  0.10400391,
         0.20117188,  0.03320312, -0.02026367,  0.13867188,  0.2421875 ,
        -0.02624512,  0.05126953,  0.16210938, -0.25585938,  0.15625   ,
        -0.04248047,  0.16796875,  0.10839844,  0.24414062,  0.06738281,
        -0.04589844,  0.1015625 , -0.11230469, -0.18066406,  0.04223633,
         0.02929688, -0.00689697,  0.10888672, -0.22949219,  0.08398438],
       dtype=float32),
 'customer': array([-0.1484375 ,  0.12890625, -0.07373047,  0.14941406,  0.
08935547,
```

```
         0.09033203,  0.08007812,  0.28125   ,  0.13867188,  0.20898438,
        -0.30664062,  0.19921875,  0.09716797, -0.13671875,  0.05200195,
        -0.04296875,  0.12451172,  0.11132812,  0.01757812,  0.13867188,
        -0.01409912, -0.15527344,  0.08984375, -0.06054688, -0.00747681,
        -0.08447266, -0.21386719,  0.15332031,  0.265625  , -0.09228516,
         0.109375  , -0.05444336, -0.24609375, -0.02502441, -0.05859375,
        -0.19238281,  0.29492188, -0.06152344,  0.10009766, -0.1796875 ,
        -0.06835938, -0.05786133, -0.01000977, -0.15136719, -0.11230469,
        -0.33398438,  0.04931641,  0.01483154,  0.06201172,  0.12792969,
        -0.02148438, -0.04321289, -0.21972656,  0.00408936,  0.18164062,
         0.18261719, -0.23046875,  0.2890625 ,  0.24609375, -0.08984375,
        -0.08349609,  0.03417969, -0.31054688, -0.05908203, -0.1875    ,
         0.22753906, -0.25      , -0.14648438,  0.13867188, -0.05444336,
         0.08935547, -0.16308594,  0.02807617, -0.171875  , -0.20800781,
         0.07226562,  0.20117188,  0.13085938,  0.10058594, -0.17578125,
         0.05834961,  0.09033203,  0.10351562, -0.0612793 ,  0.05712891,
        -0.22460938, -0.15625   ,  0.29101562,  0.04272461,  0.20703125,
         0.13671875, -0.05249023, -0.38085938,  0.07568359, -0.1640625 ,
        -0.31054688, -0.19433594, -0.00964355,  0.12988281,  0.15625   ,
         0.17089844, -0.16503906,  0.08935547,  0.07324219,  0.06347656,
        -0.32226562, -0.14746094,  0.26953125,  0.01623535, -0.18847656,
        -0.23535156, -0.25976562, -0.3359375 , -0.24414062,  0.14941406,
         0.14746094, -0.18261719, -0.00689697,  0.41015625,  0.08740234,
        -0.04077148,  0.0201416 , -0.19335938,  0.18066406,  0.265625  ,
         0.13769531, -0.1171875 ,  0.17675781, -0.01953125,  0.16015625,
        -0.39453125,  0.10351562,  0.02026367, -0.13574219,  0.06738281,
        -0.11474609,  0.05444336, -0.18359375,  0.07666016,  0.01080322,
        -0.13671875, -0.08496094, -0.12890625,  0.19921875, -0.03881836,
         0.01879883,  0.13378906,  0.02099609, -0.140625  ,  0.08300781,
         0.16113281,  0.30273438, -0.11523438,  0.00628662, -0.19335938,
         0.02172852, -0.05541992,  0.21679688, -0.13476562,  0.07470703,
        -0.34570312, -0.08496094, -0.1875    ,  0.24804688, -0.14257812,
         0.0378418 , -0.00418091, -0.02319336,  0.06933594,  0.03662109,
        -0.15136719, -0.14257812,  0.15917969, -0.22558594, -0.15429688,
        -0.04931641,  0.34765625, -0.01916504, -0.17480469, -0.22949219,
         0.05810547,  0.01171875,  0.12792969, -0.33203125, -0.20019531,
        -0.03125   ,  0.09082031,  0.30273438, -0.31445312,  0.10058594,
        -0.37109375, -0.21875   , -0.05664062,  0.17089844, -0.06347656,
        -0.04272461,  0.20605469,  0.06005859, -0.13964844, -0.24316406,
        -0.06542969,  0.07861328, -0.09228516,  0.11376953, -0.11376953,
         0.17675781, -0.16113281, -0.22460938, -0.01403809, -0.15234375,
         0.25976562, -0.15722656, -0.10546875, -0.24804688,  0.04248047,
        -0.00946045,  0.16699219,  0.21386719, -0.29492188,  0.20800781,
         0.07080078,  0.03979492,  0.12158203, -0.00650024,  0.0014801 ,
        -0.02624512, -0.07763672, -0.09912109,  0.09375   , -0.28320312,
        -0.11865234, -0.07177734, -0.265625  , -0.19824219, -0.22753906,
        -0.01782227, -0.0100708 ,  0.09423828, -0.15429688,  0.11767578,
         0.20117188,  0.01477051, -0.125     , -0.22167969,  0.40039062,
        -0.09912109, -0.16210938,  0.09179688, -0.07910156, -0.17480469,
        -0.2734375 ,  0.09326172, -0.09667969, -0.14550781, -0.125     ,
        -0.12695312,  0.07861328,  0.09375   , -0.24316406,  0.06640625,
         0.07910156, -0.11230469, -0.22167969, -0.05224609, -0.140625  ,
        -0.04418945, -0.1328125 , -0.18847656, -0.26953125, -0.09277344,
        -0.03710938,  0.22949219, -0.35546875, -0.09716797, -0.23144531,
         0.19824219, -0.11865234,  0.13964844,  0.01019287, -0.19824219,
        -0.13476562,  0.01611328,  0.30859375,  0.13964844, -0.14941406,
         0.21289062, -0.08203125, -0.05859375,  0.05786133,  0.20214844,
         0.25      ,  0.24707031, -0.34765625,  0.0291748 ,  0.14453125,
         0.22851562,  0.16699219,  0.29296875,  0.20898438, -0.203125  ],
       dtype=float32),
 'excellent': array([-2.12890625e-01, -4.30297852e-03, -1.80664062e-01, -7.
56835938e-03,
         1.12792969e-01,  1.63085938e-01, -1.47094727e-02, -7.86132812e-02,
        -1.64062500e-01,  2.79296875e-01, -2.22656250e-01, -1.37329102e-02,
```

```
 1.45507812e-01, -4.56542969e-02,  5.85937500e-02,  1.85546875e-01,
 1.13769531e-01,  1.13769531e-01, -1.46484375e-01, -1.25122070e-02,
 8.78906250e-02,  1.44531250e-01, -6.88476562e-02,  1.68945312e-01,
 2.02148438e-01,  3.64685059e-03, -1.24023438e-01,  1.76757812e-01,
-4.24804688e-02, -3.54003906e-03,  4.93164062e-02, -1.74804688e-01,
 2.53906250e-01,  1.32812500e-01,  2.63671875e-01,  2.87109375e-01,
-1.98242188e-01, -9.81445312e-02, -1.18652344e-01, -1.43554688e-01,
 3.08593750e-01, -8.93554688e-02, -7.17163086e-03,  3.46679688e-02,
-7.86132812e-02, -1.50390625e-01,  2.15820312e-01, -1.17675781e-01,
 2.85644531e-02, -2.41210938e-01,  1.22558594e-01,  1.28906250e-01,
-9.27734375e-02,  1.16210938e-01,  3.29589844e-02,  6.49414062e-02,
-8.20312500e-02, -1.60156250e-01,  2.00195312e-01, -2.68554688e-02,
-1.57226562e-01,  1.26953125e-01, -5.42968750e-01, -3.24218750e-01,
-4.27246094e-03,  1.14746094e-01, -1.59179688e-01, -2.71484375e-01,
-2.23632812e-01,  1.78710938e-01, -1.20117188e-01,  4.78515625e-02,
 1.81640625e-01,  2.68554688e-02, -1.33789062e-01,  3.14941406e-02,
-1.73339844e-02,  2.90527344e-02,  1.13281250e-01,  3.95507812e-02,
-1.63085938e-01,  1.17187500e-01, -4.88281250e-02,  1.16699219e-01,
 6.25000000e-02, -2.07519531e-02, -1.59179688e-01,  9.27734375e-02,
-9.08203125e-02,  1.59912109e-02,  6.73828125e-02, -1.61132812e-01,
-7.51953125e-02,  2.10937500e-01, -6.00585938e-02, -6.68945312e-02,
-1.07910156e-01,  2.91015625e-01, -7.81250000e-02, -2.55859375e-01,
 7.93457031e-03,  3.02734375e-02, -1.39648438e-01, -8.30078125e-02,
 4.32128906e-02,  1.09375000e-01, -1.85546875e-02, -2.52685547e-02,
-1.19140625e-01, -1.89453125e-01, -5.66406250e-02,  1.58203125e-01,
-2.04101562e-01, -7.95898438e-02,  2.47070312e-01, -1.71875000e-01,
 9.37500000e-02, -2.26562500e-01, -2.75878906e-02, -1.04003906e-01,
-4.10156250e-02, -1.82617188e-01,  2.67578125e-01,  1.37695312e-01,
-1.04980469e-01,  5.79833984e-03, -1.53320312e-01, -2.26562500e-01,
-7.41577148e-03,  4.06250000e-01, -1.91406250e-01,  1.12304688e-02,
-2.10937500e-01,  2.10937500e-01, -8.16345215e-04, -6.20117188e-02,
 1.22070312e-01, -9.65118408e-04, -2.60009766e-02,  4.31640625e-01,
-1.76757812e-01,  2.53906250e-01,  5.41992188e-02,  2.27539062e-01,
-2.08984375e-01, -1.22558594e-01, -6.05468750e-02, -1.24511719e-01,
 2.29492188e-01,  3.93066406e-02,  1.64062500e-01,  1.52343750e-01,
-8.49609375e-02,  2.73437500e-01, -9.66796875e-02, -8.44726562e-02,
 1.63574219e-02, -5.51757812e-02, -3.61328125e-02, -8.78906250e-02,
-1.11816406e-01,  1.18652344e-01,  8.49609375e-02,  1.42578125e-01,
 3.12500000e-01, -4.49218750e-02, -4.17480469e-02, -2.00195312e-01,
-8.64257812e-02, -1.95312500e-01, -9.47265625e-02, -4.91333008e-03,
 1.16699219e-01,  7.86132812e-02, -2.76184082e-03,  1.19140625e-01,
-5.27954102e-03, -1.91406250e-01, -4.71191406e-02, -2.38037109e-02,
-2.49023438e-01, -3.18359375e-01,  1.29882812e-01, -1.21093750e-01,
-1.80664062e-01, -1.00585938e-01, -2.47070312e-01, -1.13769531e-01,
-1.13281250e-01, -5.81054688e-02, -4.02343750e-01,  6.29882812e-02,
 1.28906250e-01, -1.54296875e-01,  5.78613281e-02, -1.68945312e-01,
 1.72851562e-01, -2.29492188e-01, -8.44726562e-02, -8.69140625e-02,
 4.34570312e-02,  2.29492188e-01, -5.00488281e-02, -1.13769531e-01,
 1.35742188e-01, -8.88671875e-02, -6.64062500e-02, -1.26647949e-03,
-1.86767578e-02,  1.66992188e-01,  5.78613281e-02,  8.36181641e-03,
-2.83203125e-01,  9.86328125e-02,  6.83593750e-02, -1.34765625e-01,
 3.69140625e-01,  6.64062500e-02,  2.24609375e-01, -1.43554688e-01,
-7.42187500e-02,  9.47265625e-02, -2.43164062e-01, -1.26342773e-02,
 1.82617188e-01,  1.04980469e-01, -9.09423828e-03, -1.95312500e-01,
 5.02929688e-02, -1.33789062e-01, -8.34960938e-02, -1.86523438e-01,
 1.56250000e-01, -3.44238281e-02, -5.15136719e-02, -3.90625000e-02,
-9.17968750e-02, -3.95507812e-02, -9.61914062e-02, -1.97753906e-02,
-9.86328125e-02,  5.32226562e-02,  1.09375000e-01,  6.73828125e-02,
 7.17773438e-02,  6.59179688e-02,  1.44653320e-02, -1.27929688e-01,
-2.35351562e-01, -3.18359375e-01,  5.79833984e-03,  5.88378906e-02,
-2.86865234e-02,  2.53906250e-01,  1.71875000e-01, -2.24609375e-01,
-1.17187500e-02,  3.73535156e-02, -1.58203125e-01, -3.90625000e-02,
 3.78417969e-02,  1.10839844e-01, -8.44726562e-02,  5.56640625e-02,
 1.60156250e-01, -5.41992188e-02, -5.98144531e-03, -2.81250000e-01,
```

```
        -1.14135742e-02, -1.15234375e-01, -1.09863281e-01, -3.58886719e-02,
        -1.98242188e-01, -8.44726562e-02,  5.27343750e-02, -2.44140625e-03,
         2.65625000e-01, -2.34375000e-01, -8.74023438e-02,  1.81640625e-01,
         3.97949219e-02,  2.72216797e-02, -1.22558594e-01,  1.79687500e-01,
        -2.69531250e-01,  1.31835938e-01, -1.28906250e-01, -6.88476562e-02,
        -3.18908691e-03, -1.43432617e-02,  1.36718750e-01,  2.82287598e-04,
        -1.73828125e-01,  4.24194336e-03, -8.10546875e-02,  1.35498047e-02,
        -8.36181641e-03, -1.29882812e-01, -2.15820312e-01,  1.22680664e-0
2],
       dtype=float32),
 'attention': array([ 1.77734375e-01, -3.71093750e-02,  5.58471680e-03,  3.
14941406e-02,
        -7.27539062e-02, -7.95898438e-02,  2.71484375e-01, -4.31640625e-01,
        -8.34960938e-02, -2.98828125e-01,  5.20019531e-02,  1.70898438e-01,
         2.79296875e-01,  8.54492188e-02,  1.01562500e-01, -1.51367188e-01,
        -5.10253906e-02,  3.33984375e-01,  1.72851562e-01, -1.07421875e-02,
         1.96289062e-01,  3.44238281e-02,  3.02734375e-02,  1.05957031e-01,
        -1.34765625e-01, -1.85546875e-01,  2.75390625e-01,  6.21795654e-04,
         1.36718750e-01, -1.47460938e-01, -4.56542969e-02,  8.69140625e-02,
         4.37011719e-02, -2.50000000e-01,  1.35742188e-01, -1.75781250e-01,
         1.73339844e-02,  2.51953125e-01,  3.65234375e-01,  2.51953125e-01,
        -3.24707031e-02, -1.97753906e-02,  9.22851562e-02, -3.41796875e-01,
        -2.73437500e-01, -5.51757812e-02,  2.03125000e-01,  3.36914062e-02,
         8.00781250e-02, -1.22070312e-01, -2.16064453e-02,  5.02929688e-02,
         8.15429688e-02, -3.04687500e-01, -2.32421875e-01,  2.50000000e-01,
         4.39453125e-02, -2.02636719e-02,  7.86132812e-02, -1.87500000e-01,
        -6.83593750e-02,  1.53320312e-01,  3.88183594e-02, -3.59375000e-01,
         9.66796875e-02,  1.38671875e-01, -4.37500000e-01,  2.04101562e-01,
        -2.06054688e-01,  1.62109375e-01,  1.96289062e-01, -2.55859375e-01,
         2.45117188e-01,  1.59179688e-01, -7.37304688e-02,  1.60156250e-01,
         1.27929688e-01,  3.88183594e-02,  9.37500000e-02, -1.74560547e-02,
         2.57568359e-02,  3.49609375e-01,  8.30078125e-02,  1.15234375e-01,
        -2.21679688e-01, -1.44531250e-01, -9.09423828e-03,  1.94091797e-02,
        -1.66015625e-01, -1.80664062e-01,  1.23535156e-01, -1.40625000e-01,
        -1.27929688e-01, -1.75781250e-01, -6.49414062e-02, -2.24609375e-01,
        -1.51367188e-01,  4.15039062e-02,  1.92382812e-01,  1.25000000e-01,
        -1.41601562e-01, -1.79687500e-01,  2.46093750e-01, -4.54101562e-02,
         1.62109375e-01, -1.74804688e-01, -3.26171875e-01, -1.11816406e-01,
        -1.58203125e-01, -1.69921875e-01, -2.44140625e-02,  2.28515625e-01,
         5.78613281e-02,  2.43164062e-01,  1.12792969e-01, -2.92968750e-01,
        -1.41601562e-01, -4.83398438e-02,  1.16699219e-01,  1.59179688e-01,
        -6.48437500e-01,  8.74023438e-02, -2.11914062e-01, -1.24511719e-01,
        -1.74804688e-01,  2.08007812e-01,  2.71484375e-01,  3.28125000e-01,
        -1.04980469e-01, -7.76367188e-02, -1.44531250e-01, -3.90625000e-01,
         1.27929688e-01, -2.20947266e-02,  1.11816406e-01, -2.51770020e-03,
         1.38671875e-01,  5.73730469e-03, -8.66699219e-03, -1.28906250e-01,
         1.30859375e-01,  7.53784180e-03, -1.83593750e-01, -2.13867188e-01,
        -6.15234375e-02, -3.66210938e-02,  1.73828125e-01,  1.70898438e-01,
        -1.67968750e-01, -6.64062500e-02,  1.76757812e-01,  1.22070312e-01,
        -1.81640625e-01, -8.30078125e-02,  8.48388672e-03, -4.23828125e-01,
        -8.74023438e-02, -8.30078125e-03,  1.21582031e-01, -1.94335938e-01,
        -7.17163086e-03,  5.00000000e-01, -1.51367188e-01, -9.96093750e-02,
        -1.08886719e-01, -7.47070312e-02, -1.81640625e-01, -1.89453125e-01,
         2.57812500e-01,  8.78906250e-02,  6.68945312e-02, -7.81250000e-02,
        -1.29882812e-01, -5.82885742e-03, -9.15527344e-04, -1.27929688e-01,
        -3.27148438e-02, -1.79687500e-01, -4.30297852e-03, -5.27343750e-01,
         1.15722656e-01,  4.39453125e-02,  5.19531250e-01,  2.75390625e-01,
        -1.33789062e-01,  1.66015625e-01,  8.34960938e-02, -9.66796875e-02,
        -5.85937500e-03,  3.24218750e-01, -4.12597656e-02, -8.05664062e-02,
         1.77734375e-01, -3.46679688e-02, -1.80664062e-01,  1.00097656e-02,
        -7.95898438e-02,  6.88476562e-02, -1.15722656e-01,  1.74804688e-01,
         1.49414062e-01,  3.24218750e-01, -2.13867188e-01, -3.65234375e-01,
         5.34667969e-02, -5.49316406e-02, -2.50000000e-01, -4.27246094e-02,
         8.00781250e-02,  2.53906250e-01,  7.71484375e-02,  2.31445312e-01,
```

```
         2.17773438e-01, -9.52148438e-03,  4.80957031e-02, -5.81054688e-02,
         1.95312500e-01,  9.09423828e-03,  6.25000000e-02,  1.40625000e-01,
         5.15136719e-02,  5.24902344e-02, -3.39843750e-01,  1.00097656e-01,
        -1.43432617e-02, -1.25976562e-01, -1.69921875e-01,  3.88183594e-02,
         9.39941406e-03, -9.71679688e-02,  3.61328125e-02, -1.97265625e-01,
        -1.07421875e-01, -1.20117188e-01, -3.22265625e-02, -2.09960938e-01,
        -3.05175781e-02,  2.52685547e-02,  1.65039062e-01, -7.66601562e-02,
        -2.50000000e-01,  1.22558594e-01,  7.35473633e-03,  1.08398438e-01,
         2.79296875e-01, -1.50390625e-01,  1.34765625e-01,  1.96533203e-02,
         1.99218750e-01, -8.15429688e-02,  1.74804688e-01,  1.21093750e-01,
        -5.29785156e-02, -7.51953125e-02, -2.00195312e-01,  2.16796875e-01,
         5.88378906e-02,  2.26562500e-01, -1.49414062e-01,  1.91406250e-01,
        -1.09863281e-01, -1.34765625e-01, -5.31250000e-01,  1.37695312e-01,
         1.16699219e-01,  1.87500000e-01, -3.20312500e-01, -5.20019531e-02,
        -1.45507812e-01,  8.69140625e-02, -4.95605469e-02,  2.83203125e-01,
         2.63671875e-01,  8.78906250e-02,  3.26171875e-01,  1.62109375e-01,
        -2.73437500e-01, -2.32421875e-01, -2.48046875e-01, -1.36718750e-02,
         9.86328125e-02, -2.51953125e-01, -7.66601562e-02,  3.12500000e-01,
        -2.92968750e-01,  2.04101562e-01, -2.65625000e-01,  1.33789062e-01,
         1.16699219e-01, -2.08007812e-01, -2.92968750e-02, -2.30468750e-01,
        -3.00292969e-02, -1.26953125e-01,  1.06445312e-01,  2.45666504e-03,
         4.29687500e-02, -4.34570312e-02,  9.86328125e-02,  2.55859375e-0
1],
       dtype=float32),
 'recognize': array([-1.82617188e-01, -6.05468750e-02, -1.14746094e-01,  2.
40234375e-01,
        -9.32617188e-02, -1.82617188e-01,  2.16796875e-01, -1.13281250e-01,
         1.61132812e-01, -1.10351562e-01, -1.23535156e-01, -1.28906250e-01,
        -6.64062500e-02,  2.02148438e-01, -3.17382812e-02,  1.64062500e-01,
         7.08007812e-02,  2.24609375e-01,  4.83398438e-02, -2.02148438e-01,
         1.12792969e-01,  1.67236328e-02, -3.44238281e-02,  3.14941406e-02,
         1.52343750e-01, -1.12304688e-01,  5.83496094e-02, -1.08398438e-01,
         2.14843750e-01, -2.69531250e-01, -8.98437500e-02, -1.18164062e-01,
        -2.03125000e-01,  8.20312500e-02,  2.14843750e-01, -1.03027344e-01,
         1.18164062e-01, -1.31835938e-02,  3.63769531e-02,  1.60156250e-01,
         1.69921875e-01,  2.61718750e-01,  1.18652344e-01, -4.24804688e-02,
         1.32446289e-02, -7.71484375e-02, -2.33398438e-01, -1.21093750e-01,
        -2.09960938e-01, -1.84326172e-02, -2.33398438e-01,  6.10351562e-02,
        -1.92382812e-01, -5.71289062e-02, -1.58203125e-01,  1.42578125e-01,
        -3.90625000e-02, -9.27734375e-02,  2.20947266e-02,  1.15234375e-01,
        -7.03125000e-02,  2.69531250e-01,  5.02929688e-02, -1.77734375e-01,
         1.18652344e-01,  8.25195312e-02, -2.88085938e-02,  2.83203125e-01,
        -4.80957031e-02, -3.01513672e-02, -1.06201172e-02,  1.61132812e-01,
         2.90527344e-02, -5.90820312e-02,  1.25000000e-01, -2.10937500e-01,
         1.33789062e-01,  3.10546875e-01,  1.79687500e-01,  1.89453125e-01,
        -8.10546875e-02, -3.14941406e-02,  5.95703125e-02,  5.61523438e-02,
        -1.99218750e-01, -4.66308594e-02, -1.66992188e-01,  3.51562500e-02,
        -2.22656250e-01, -4.17480469e-02,  1.72119141e-02, -1.17675781e-01,
        -1.20117188e-01, -1.20117188e-01, -6.22558594e-02, -3.80859375e-02,
        -5.88989258e-03,  2.12890625e-01, -5.98144531e-02, -1.13281250e-01,
        -1.51367188e-01, -1.04492188e-01,  1.40625000e-01,  2.38281250e-01,
         1.24023438e-01, -1.25000000e-01, -4.90722656e-02, -1.72851562e-01,
         1.63085938e-01,  8.88671875e-02, -2.03125000e-01, -8.93554688e-02,
        -6.05468750e-02,  1.00097656e-01,  1.22070312e-01,  4.58984375e-02,
         2.39257812e-02, -5.76171875e-02, -1.24511719e-01,  2.00195312e-02,
         1.33056641e-02,  1.20605469e-01, -4.78515625e-02,  1.16699219e-01,
        -7.66601562e-02,  7.71484375e-02, -5.73730469e-02,  3.88183594e-02,
        -2.30407715e-03,  1.57226562e-01,  3.82812500e-01, -1.85546875e-01,
        -1.25976562e-01,  5.88989258e-03,  1.24023438e-01,  9.17968750e-02,
        -9.08203125e-02,  1.24511719e-01,  1.58203125e-01, -7.17773438e-02,
        -2.77343750e-01,  8.10546875e-02, -1.67968750e-01, -2.57812500e-01,
        -1.51367188e-01,  1.44531250e-01,  1.80664062e-01, -1.00585938e-01,
        -5.51757812e-02,  2.06054688e-01, -8.59375000e-02,  8.88671875e-02,
        -4.00390625e-02, -3.80859375e-02, -4.41894531e-02, -4.44335938e-02,
```

```
        -8.59375000e-02, -5.61523438e-02, -1.71875000e-01, -7.12890625e-02,
         2.14843750e-01,  7.37304688e-02, -1.93359375e-01, -2.98828125e-01,
         9.08203125e-02, -7.76367188e-02,  1.25976562e-01, -3.02734375e-01,
         6.78710938e-02,  1.24511719e-01, -4.93164062e-02, -1.84326172e-02,
         1.48437500e-01, -4.88281250e-02,  9.37500000e-02, -4.44335938e-02,
         1.38671875e-01,  4.76074219e-02, -8.44726562e-02, -2.12890625e-01,
        -4.56542969e-02, -9.81445312e-02,  1.42578125e-01, -1.31835938e-01,
        -1.59179688e-01,  3.66210938e-02, -2.08984375e-01,  2.49023438e-02,
        -7.66601562e-02,  2.44140625e-01, -1.70898438e-01, -6.04248047e-03,
         1.27929688e-01, -8.54492188e-02, -1.06933594e-01,  9.57031250e-02,
         4.78515625e-02, -1.24023438e-01, -3.51562500e-02, -1.99218750e-01,
         1.23535156e-01, -9.61914062e-02, -1.42578125e-01, -4.10156250e-02,
        -2.30468750e-01,  5.32226562e-02, -1.85546875e-02,  1.50390625e-01,
        -6.29882812e-02, -2.22656250e-01, -8.31604004e-04,  2.44140625e-01,
        -6.64062500e-02,  1.39648438e-01, -2.43164062e-01,  8.83789062e-02,
         3.08593750e-01, -2.01171875e-01,  3.78417969e-02, -1.69921875e-01,
         2.51464844e-02, -5.02929688e-02, -1.12792969e-01,  6.39648438e-02,
        -5.68389893e-04,  8.59375000e-02,  9.42382812e-02, -8.00781250e-02,
        -2.27050781e-02, -6.17675781e-02,  6.92749023e-03, -5.73730469e-02,
         1.70135498e-03,  5.07812500e-02,  2.29492188e-01, -7.91015625e-02,
        -6.05468750e-02, -1.05957031e-01,  2.16796875e-01,  1.01562500e-01,
        -3.30078125e-01, -1.64062500e-01,  9.08203125e-02,  3.45703125e-01,
        -1.09863281e-01, -9.39941406e-03,  7.81250000e-02,  1.82617188e-01,
        -3.14712524e-04, -9.17968750e-02, -5.03540039e-03,  1.94335938e-01,
        -1.24023438e-01, -6.49414062e-02, -3.15856934e-03, -4.54711914e-03,
         2.30407715e-03,  2.00195312e-01, -1.83593750e-01,  1.05957031e-01,
        -5.83496094e-02, -1.44531250e-01, -3.54003906e-02,  6.71386719e-03,
         2.96875000e-01,  1.25976562e-01,  5.81054688e-02,  1.22070312e-01,
        -3.14453125e-01, -8.98437500e-02, -4.54711914e-03,  1.65039062e-01,
         3.24218750e-01, -8.74023438e-02, -1.38671875e-01, -2.05078125e-01,
        -2.98828125e-01, -1.03515625e-01, -2.24609375e-01, -1.77734375e-01,
        -9.03320312e-02,  7.32421875e-02,  2.44140625e-01, -1.00585938e-01,
         7.56835938e-02, -1.24023438e-01, -1.58203125e-01, -1.82617188e-01,
         2.27050781e-02, -6.68334961e-03,  2.07031250e-01,  1.04492188e-01,
        -7.61718750e-02,  2.36816406e-02, -7.81250000e-02,  8.20312500e-02,
         5.24902344e-02,  1.14257812e-01,  2.77343750e-01,  6.03027344e-0
2],
       dtype=float32),
 'different': array([ 0.02685547, -0.07617188,  0.02697754,  0.13671875, -
0.06445312,
         0.02026367,  0.02612305,  0.11962891, -0.00052261,  0.10400391,
         0.18261719,  0.03417969,  0.06689453,  0.07324219, -0.36523438,
         0.26367188, -0.17089844,  0.2890625 , -0.06445312, -0.06933594,
        -0.17773438,  0.15332031, -0.14257812, -0.02172852, -0.09960938,
         0.20019531, -0.05053711, -0.07421875,  0.22753906,  0.01416016,
        -0.17480469,  0.08105469,  0.21582031,  0.13671875,  0.16015625,
        -0.13769531, -0.00567627, -0.1953125 , -0.16210938,  0.17578125,
         0.31445312,  0.02648926, -0.12988281, -0.04370117,  0.00476074,
        -0.125     , -0.06396484,  0.05371094,  0.02612305, -0.09179688,
        -0.05981445,  0.07275391, -0.1875    , -0.13476562, -0.20898438,
        -0.06298828,  0.17578125, -0.18652344,  0.1484375 , -0.15136719,
        -0.02624512,  0.08447266,  0.05786133, -0.23632812,  0.17285156,
        -0.11181641, -0.0111084 ,  0.21679688,  0.00300598,  0.01733398,
        -0.00445557, -0.16796875,  0.11035156,  0.09033203, -0.29492188,
         0.07470703,  0.18847656,  0.13085938,  0.00500488,  0.20898438,
         0.03613281, -0.11132812,  0.04003906,  0.10058594, -0.05908203,
        -0.23535156, -0.33007812,  0.02832031, -0.17871094,  0.23144531,
         0.0390625 ,  0.05004883, -0.29882812, -0.06396484, -0.13378906,
        -0.10546875,  0.24414062, -0.11083984, -0.08349609,  0.03039551,
         0.02453613, -0.02624512,  0.0534668 , -0.078125  , -0.06835938,
         0.00958252,  0.00671387, -0.13183594,  0.15429688, -0.07617188,
        -0.12597656,  0.05786133, -0.09667969, -0.125     ,  0.3046875 ,
         0.07177734,  0.04931641, -0.25390625,  0.17480469, -0.01745605,
        -0.34179688, -0.125     , -0.10839844,  0.09033203, -0.2578125 ,
```

```
        -0.296875  ,  0.03979492,  0.08691406, -0.09326172,  0.14453125,
        -0.17773438, -0.06494141, -0.06152344, -0.00732422,  0.08642578,
        -0.125     , -0.05761719, -0.23144531, -0.13769531,  0.08300781,
        -0.11279297,  0.31054688, -0.00408936,  0.24902344,  0.17382812,
         0.16601562, -0.18457031, -0.04956055, -0.07861328, -0.16503906,
        -0.13574219,  0.03051758, -0.43359375,  0.01074219, -0.05004883,
        -0.07275391, -0.07373047, -0.29296875, -0.02258301,  0.13183594,
        -0.15722656,  0.08300781,  0.01513672,  0.01165771,  0.19433594,
        -0.06542969,  0.06689453, -0.12207031,  0.07080078,  0.06640625,
        -0.328125  , -0.12011719, -0.13671875,  0.04638672,  0.22460938,
         0.140625  ,  0.04003906, -0.20898438, -0.16992188, -0.08544922,
        -0.296875  , -0.04370117, -0.08935547,  0.15234375,  0.05981445,
        -0.19140625,  0.00369263,  0.21386719, -0.12158203, -0.18164062,
         0.13378906, -0.03088379, -0.02258301, -0.13769531,  0.11279297,
        -0.18261719,  0.05664062, -0.02734375, -0.09863281, -0.03417969,
         0.2109375 ,  0.12353516,  0.10058594, -0.04882812, -0.05639648,
         0.01818848, -0.1015625 , -0.03344727, -0.01147461,  0.22753906,
         0.07617188, -0.04248047, -0.06054688, -0.06738281,  0.25195312,
        -0.22558594,  0.07714844, -0.10449219, -0.15527344, -0.05615234,
        -0.04711914, -0.12060547, -0.06787109, -0.19921875,  0.10839844,
        -0.20214844, -0.07373047,  0.10205078, -0.25      ,  0.30859375,
         0.07373047,  0.06933594,  0.09570312,  0.15039062,  0.14648438,
        -0.17675781, -0.04589844, -0.0859375 , -0.00344849,  0.44140625,
         0.13574219,  0.04882812,  0.04052734, -0.04443359, -0.07958984,
         0.09570312, -0.20703125,  0.02758789, -0.00439453, -0.05297852,
         0.08007812,  0.24804688,  0.00099945, -0.1796875 ,  0.16601562,
        -0.16308594, -0.17089844, -0.11914062,  0.34179688, -0.23828125,
        -0.06201172, -0.109375  , -0.09179688, -0.10498047,  0.2734375 ,
        -0.00402832, -0.0057373 , -0.00494385, -0.37890625, -0.08105469,
         0.08447266, -0.00909424,  0.1015625 , -0.05078125,  0.24707031,
        -0.16503906, -0.07617188, -0.05688477, -0.02209473, -0.08984375,
        -0.16113281, -0.03466797, -0.12792969, -0.17675781,  0.19824219,
         0.0390625 , -0.20507812, -0.07324219,  0.02478027,  0.234375  ,
         0.01660156,  0.06738281, -0.03881836,  0.06738281, -0.18066406,
         0.12792969,  0.17773438, -0.01647949, -0.21972656,  0.07568359],
       dtype=float32),
 'deliver': array([-0.03466797, -0.0546875 , -0.08642578, -0.00473022, -0.0
2758789,
        -0.11621094, -0.02734375,  0.02636719,  0.20507812,  0.2265625 ,
        -0.4296875 , -0.06591797,  0.04248047,  0.4375    ,  0.13183594,
         0.19726562, -0.2421875 ,  0.01940918,  0.109375  ,  0.02233887,
        -0.00982666,  0.19042969,  0.28515625,  0.31054688,  0.25195312,
        -0.40234375, -0.00723267, -0.19140625,  0.14160156, -0.08105469,
         0.08349609, -0.0534668 , -0.33789062, -0.01464844, -0.04907227,
         0.03686523, -0.13183594,  0.03393555, -0.08789062, -0.00268555,
         0.01647949,  0.1875    , -0.05981445,  0.10791016, -0.09082031,
        -0.31640625, -0.1953125 ,  0.05151367, -0.07861328,  0.20117188,
         0.10107422,  0.16015625, -0.20117188, -0.16894531,  0.06689453,
         0.04467773, -0.21386719, -0.18847656,  0.08642578,  0.02587891,
         0.13574219, -0.00689697, -0.265625  ,  0.0703125 ,  0.00063324,
         0.09277344, -0.05004883,  0.16796875,  0.08544922,  0.18457031,
         0.02514648,  0.11376953,  0.08056641, -0.078125  ,  0.10107422,
        -0.06542969,  0.10644531,  0.10693359,  0.04174805, -0.06835938,
        -0.00500488,  0.01574707, -0.19726562, -0.04492188,  0.234375  ,
        -0.20605469, -0.16015625, -0.16113281, -0.14257812,  0.30664062,
         0.10205078, -0.07617188,  0.08300781,  0.07128906, -0.11425781,
        -0.21777344,  0.02258301,  0.28125   ,  0.10107422,  0.00921631,
         0.00294495, -0.19726562,  0.05761719, -0.00631714, -0.12792969,
        -0.24511719,  0.11425781,  0.12695312,  0.03198242,  0.08886719,
         0.24511719, -0.05664062, -0.21777344,  0.05273438,  0.13671875,
         0.00231934,  0.04418945, -0.07373047,  0.08789062, -0.13671875,
         0.07421875, -0.12988281,  0.07373047,  0.06933594,  0.10693359,
         0.0625    ,  0.0213623 ,  0.0559082 , -0.03857422, -0.00263977,
         0.1171875 ,  0.10742188, -0.02001953, -0.06494141,  0.06054688,
```

```
         0.09179688,  0.19726562, -0.0062561 ,  0.04589844, -0.00469971,
        -0.01135254, -0.13183594, -0.171875  , -0.01525879,  0.04638672,
        -0.12207031, -0.03100586, -0.40820312, -0.00738525,  0.3203125 ,
         0.12597656,  0.140625  ,  0.08056641,  0.0402832 , -0.21875   ,
        -0.1484375 , -0.06982422,  0.06982422, -0.2578125 , -0.17382812,
        -0.22265625, -0.10791016, -0.21289062,  0.15917969,  0.04492188,
        -0.09326172, -0.06835938, -0.25195312, -0.06591797, -0.24609375,
        -0.33984375, -0.23730469, -0.11376953, -0.21679688, -0.04125977,
        -0.06640625,  0.23339844, -0.06738281, -0.33789062,  0.06591797,
        -0.08935547,  0.01342773,  0.14355469, -0.00799561, -0.28515625,
        -0.10693359, -0.10839844, -0.1953125 , -0.11279297, -0.05395508,
         0.10205078, -0.06640625,  0.16503906, -0.19140625, -0.06835938,
        -0.0300293 ,  0.22167969, -0.10693359,  0.01806641, -0.08837891,
        -0.01147461,  0.02441406, -0.07714844,  0.03369141, -0.27148438,
         0.02038574, -0.0201416 ,  0.00976562,  0.01422119, -0.33398438,
        -0.00350952, -0.06591797,  0.09277344,  0.19824219, -0.22265625,
         0.06298828,  0.28320312, -0.08007812, -0.23535156,  0.07714844,
         0.02539062,  0.05664062,  0.12109375,  0.17578125,  0.14648438,
         0.18066406, -0.11669922, -0.07421875,  0.17285156, -0.203125  ,
         0.13183594, -0.03125   ,  0.22753906, -0.06933594,  0.14160156,
         0.19042969, -0.15332031,  0.02026367,  0.11279297, -0.11328125,
        -0.43164062,  0.109375  , -0.15917969,  0.0071106 ,  0.13769531,
        -0.06176758,  0.00218201,  0.07080078,  0.00717163, -0.07177734,
        -0.02416992,  0.11523438, -0.13867188,  0.30273438, -0.01306152,
         0.1171875 , -0.17089844, -0.12304688, -0.08789062, -0.24511719,
        -0.02050781, -0.13085938,  0.09326172, -0.01239014, -0.04052734,
        -0.09863281,  0.23242188, -0.34765625, -0.08691406,  0.03686523,
         0.11132812,  0.11279297,  0.08105469, -0.02722168,  0.11572266,
         0.00364685, -0.18847656, -0.06494141, -0.03735352, -0.16601562,
         0.04443359, -0.01269531,  0.24902344,  0.11816406,  0.01013184,
         0.11132812, -0.07861328, -0.13378906,  0.04418945,  0.06396484,
         0.10839844,  0.01599121, -0.13183594,  0.18359375, -0.05200195,
         0.06591797, -0.02758789, -0.04052734,  0.15722656, -0.21875   ],
       dtype=float32),
 'pattern': array([ 0.08935547,  0.04394531, -0.21191406,  0.265625  , -0.1
1425781,
        -0.2578125 ,  0.00744629, -0.04223633, -0.11962891, -0.02856445,
        -0.10595703,  0.14550781,  0.1328125 , -0.04833984, -0.35742188,
         0.15039062, -0.30078125,  0.03222656, -0.21777344, -0.578125  ,
        -0.07421875,  0.09619141, -0.03222656, -0.07958984,  0.02209473,
        -0.00521851, -0.15234375,  0.15722656, -0.01940918,  0.20800781,
        -0.22363281, -0.1015625 ,  0.06152344, -0.18945312, -0.16601562,
         0.19140625,  0.1484375 , -0.10400391,  0.16113281,  0.03222656,
         0.16796875,  0.28515625, -0.10205078, -0.22167969,  0.01275635,
         0.13476562,  0.05859375, -0.09765625,  0.0859375 , -0.17089844,
         0.19433594, -0.296875  , -0.16601562, -0.05541992,  0.24023438,
         0.0039978 , -0.08935547, -0.11279297,  0.08251953, -0.3984375 ,
        -0.20996094,  0.33203125, -0.14257812,  0.06201172, -0.26171875,
         0.22460938, -0.00878906,  0.21484375, -0.09716797, -0.05786133,
         0.18554688, -0.01245117,  0.22851562, -0.203125  , -0.3359375 ,
         0.07861328,  0.078125  , -0.00149536,  0.14453125,  0.06591797,
         0.09765625, -0.15917969,  0.04760742, -0.265625  , -0.01623535,
         0.02697754, -0.00101471, -0.05712891,  0.27929688,  0.15332031,
         0.02783203, -0.05395508, -0.25390625,  0.28710938, -0.01818848,
         0.02905273,  0.16992188, -0.17675781,  0.16503906, -0.10791016,
         0.20800781, -0.26171875, -0.34375   ,  0.0378418 , -0.01586914,
        -0.20117188,  0.04272461, -0.01086426, -0.21484375, -0.03063965,
         0.05859375,  0.03662109,  0.01416016, -0.12060547,  0.1875    ,
        -0.19628906, -0.00762939,  0.15917969, -0.13769531,  0.21191406,
         0.00411987, -0.10058594,  0.33203125, -0.10839844,  0.11669922,
         0.22167969, -0.01385498,  0.18359375, -0.03112793,  0.13671875,
         0.03051758, -0.25585938,  0.12207031,  0.00230408,  0.18554688,
        -0.25195312, -0.13183594,  0.29101562, -0.06689453,  0.19335938,
         0.171875  , -0.0402832 ,  0.12402344,  0.30273438, -0.13671875,
```

```
         0.03063965,  0.04248047, -0.08105469, -0.16992188,  0.00248718,
         0.14453125,  0.02075195, -0.19824219,  0.29101562, -0.20507812,
        -0.26367188, -0.13183594, -0.02331543,  0.23535156,  0.03369141,
         0.01483154,  0.03662109, -0.02941895, -0.29296875, -0.31445312,
         0.16699219,  0.13476562, -0.15332031,  0.21679688,  0.10595703,
        -0.04907227,  0.00506592, -0.26953125,  0.25390625,  0.03613281,
         0.09667969,  0.16210938, -0.30664062,  0.14355469, -0.03076172,
        -0.33789062, -0.03955078, -0.08056641,  0.23730469, -0.01928711,
        -0.01220703,  0.0100708 ,  0.22558594,  0.10888672,  0.0625    ,
         0.25585938, -0.12988281,  0.12597656, -0.00415039, -0.26757812,
        -0.12695312,  0.03442383,  0.09472656, -0.32617188, -0.00442505,
         0.1640625 ,  0.10107422, -0.29296875, -0.12353516,  0.05151367,
        -0.02514648,  0.18066406, -0.03222656,  0.3125    , -0.13183594,
        -0.09619141,  0.02978516, -0.06933594,  0.02307129,  0.13964844,
        -0.08349609,  0.1015625 ,  0.23242188, -0.16601562,  0.21386719,
         0.17089844,  0.01507568, -0.09082031,  0.20996094, -0.23925781,
        -0.14355469,  0.28125   , -0.04760742,  0.25585938,  0.3203125 ,
         0.04296875, -0.08398438,  0.02600098,  0.08203125, -0.16015625,
        -0.06787109, -0.1875    ,  0.08447266,  0.2734375 ,  0.23925781,
         0.10644531, -0.19042969,  0.15234375, -0.11669922,  0.24609375,
         0.16699219,  0.02612305,  0.21386719,  0.07177734, -0.08984375,
         0.02832031,  0.01409912,  0.02661133, -0.21777344,  0.02062988,
        -0.13378906,  0.1328125 ,  0.33984375, -0.10595703, -0.36132812,
         0.33984375,  0.20703125, -0.12597656, -0.04589844, -0.00866699,
         0.31835938, -0.0612793 ,  0.10449219, -0.04956055, -0.2734375 ,
        -0.10107422,  0.32617188, -0.08691406,  0.14648438, -0.01672363,
         0.00297546, -0.35546875, -0.07080078,  0.140625  ,  0.03393555,
        -0.01745605,  0.28515625,  0.05761719, -0.16113281, -0.01153564,
        -0.1875    , -0.02490234, -0.20703125, -0.0039978 ,  0.01721191,
        -0.03320312,  0.07861328,  0.15136719, -0.1875    ,  0.16015625,
        -0.30859375,  0.11035156, -0.15136719,  0.10449219,  0.13964844],
       dtype=float32),
 'apply': array([-7.86132812e-02, -1.44531250e-01,  5.49316406e-03,  3.0517
5781e-02,
         3.14941406e-02,  1.07421875e-02,  9.52148438e-02,  6.25000000e-02,
        -1.25000000e-01, -8.49609375e-02, -1.20605469e-01, -1.40991211e-02,
        -2.83203125e-01,  2.60009766e-02, -8.88671875e-02,  9.37500000e-02,
         2.98828125e-01,  4.98046875e-02, -1.51367188e-02, -4.24804688e-02,
        -1.74804688e-01, -4.88281250e-03, -1.50390625e-01,  3.02734375e-01,
         2.30468750e-01,  4.44335938e-02,  5.88989258e-03,  1.69677734e-02,
        -1.01928711e-02,  1.30653381e-04, -7.95898438e-02, -8.25195312e-02,
        -7.95898438e-02, -6.68945312e-02, -2.12402344e-02, -8.34960938e-02,
         6.54296875e-02,  1.14135742e-02,  2.00195312e-01,  2.06054688e-01,
         3.02734375e-01,  1.66992188e-01,  1.39648438e-01, -7.81250000e-02,
        -7.17773438e-02, -2.17773438e-01, -1.33789062e-01,  8.39843750e-02,
        -3.03955078e-02,  1.13769531e-01, -6.78710938e-02, -6.39648438e-02,
        -4.76074219e-02, -1.43554688e-01,  1.02050781e-01, -9.22851562e-02,
        -1.56250000e-01, -4.54101562e-02, -1.45507812e-01, -7.37304688e-02,
        -3.49121094e-02, -1.68945312e-01, -7.47070312e-02, -6.44531250e-02,
        -2.17285156e-02,  5.27954102e-03, -7.76367188e-02,  2.16796875e-01,
         1.73828125e-01,  3.78417969e-02, -2.34375000e-02, -2.27539062e-01,
         3.18359375e-01,  7.27539062e-02, -7.08007812e-02, -3.59375000e-01,
         2.75390625e-01,  1.04003906e-01, -6.93359375e-02,  2.98828125e-01,
        -8.39843750e-02, -1.14135742e-02, -1.95312500e-01,  1.71875000e-01,
         7.22656250e-02,  1.59179688e-01, -3.26171875e-01,  1.04980469e-02,
        -1.40625000e-01, -7.71484375e-02, -3.41796875e-02,  1.68945312e-01,
         8.83789062e-02, -2.01171875e-01,  2.22656250e-01,  4.15039062e-02,
         1.23535156e-01,  5.17578125e-02,  1.33789062e-01,  1.04003906e-01,
        -1.33789062e-01, -9.91210938e-02, -8.20312500e-02,  1.69921875e-01,
        -2.49023438e-01, -4.39453125e-01, -1.16210938e-01, -1.61132812e-01,
         3.02734375e-01, -5.98144531e-02, -3.06396484e-02, -4.69207764e-04,
        -2.01171875e-01,  7.03125000e-02,  3.12500000e-01, -1.26953125e-01,
         5.71289062e-02, -6.44531250e-02,  1.19140625e-01, -1.32812500e-01,
         1.65039062e-01, -1.57226562e-01, -6.12792969e-02,  2.15820312e-01,
```

```
         6.73828125e-02,  9.91210938e-02, -7.47070312e-02,  3.75976562e-02,
         1.66992188e-01,  9.76562500e-02,  1.96289062e-01, -2.57812500e-01,
        -5.93261719e-02, -5.27343750e-02,  4.79125977e-03, -1.66992188e-01,
        -1.76757812e-01,  3.29589844e-02, -1.34277344e-02, -2.02636719e-02,
         6.17675781e-02,  1.21093750e-01, -3.00781250e-01,  2.53906250e-02,
         1.42578125e-01,  3.90625000e-02, -2.22656250e-01, -1.88476562e-01,
        -2.04101562e-01, -1.62109375e-01,  2.51953125e-01,  5.07812500e-02,
        -6.44531250e-02, -2.35351562e-01, -5.27954102e-03, -9.13085938e-02,
        -2.33398438e-01, -4.68750000e-02, -1.02539062e-01,  3.05175781e-02,
         3.57421875e-01,  4.78515625e-02, -7.51953125e-02, -4.27734375e-01,
         9.37500000e-02, -8.39843750e-02, -7.47680664e-04, -5.73730469e-02,
         1.05468750e-01, -6.93359375e-02, -7.47070312e-02, -3.28125000e-01,
        -2.37304688e-01,  1.66015625e-01,  1.85546875e-02,  7.87353516e-03,
         1.96289062e-01, -7.56835938e-02, -1.32812500e-01,  4.15039062e-02,
        -2.34375000e-01, -8.64257812e-02, -5.98144531e-02, -1.42669678e-03,
        -6.78710938e-02, -1.44531250e-01,  8.60595703e-03, -2.32421875e-01,
        -6.74438477e-03,  1.36718750e-01, -1.62109375e-01,  3.00292969e-02,
         9.13085938e-02,  3.32031250e-02,  2.16674805e-03,  1.65039062e-01,
         1.78710938e-01, -3.84765625e-01, -7.66601562e-02, -1.66992188e-01,
         7.95898438e-02,  1.64062500e-01,  2.22167969e-02,  5.54199219e-02,
        -3.84765625e-01,  6.12792969e-02, -8.93554688e-02,  1.44531250e-01,
         2.28271484e-02, -3.63769531e-02,  1.88476562e-01,  7.81250000e-02,
         2.79296875e-01,  2.63671875e-01, -8.54492188e-02,  2.37304688e-01,
         1.55639648e-03,  2.84423828e-02,  7.42187500e-02, -6.68945312e-02,
         5.79833984e-03, -1.50390625e-01,  1.58691406e-02, -6.73828125e-02,
         2.53906250e-01,  1.13281250e-01,  1.22070312e-01,  1.25976562e-01,
        -5.78613281e-02, -7.91015625e-02,  1.54296875e-01,  9.03320312e-02,
        -5.78613281e-02,  1.81640625e-01,  2.39257812e-01,  1.09375000e-01,
         1.02050781e-01, -1.84570312e-01,  3.12500000e-02,  1.85546875e-01,
        -6.53076172e-03,  1.50390625e-01, -1.25976562e-01,  8.64257812e-02,
        -1.37695312e-01, -1.55273438e-01, -3.86718750e-01,  1.66015625e-01,
        -9.61914062e-02, -1.90429688e-01,  7.41577148e-03,  1.06201172e-02,
        -1.84570312e-01,  9.71679688e-02,  7.22656250e-02,  1.56250000e-01,
        -1.64062500e-01,  2.41210938e-01,  1.51367188e-01,  1.01562500e-01,
        -6.12792969e-02, -1.28906250e-01, -1.80664062e-01, -6.05468750e-02,
         1.25976562e-01,  1.54418945e-02,  2.30468750e-01,  7.37304688e-02,
        -2.25585938e-01, -3.84765625e-01,  2.77343750e-01,  7.17773438e-02,
         1.38671875e-01,  2.23632812e-01,  8.10546875e-02, -3.10546875e-01,
        -1.18652344e-01, -1.76757812e-01, -1.17797852e-02,  1.05590820e-02,
        -1.84326172e-02,  1.36718750e-01,  2.42187500e-01,  1.68945312e-01,
         1.15234375e-01, -2.42919922e-02, -6.49414062e-02,  2.26562500e-01,
        -2.31445312e-01, -1.94091797e-02,  2.96630859e-02,  7.51953125e-02,
         8.74023438e-02,  5.44433594e-02,  8.74023438e-02,  1.85546875e-01,
         2.63671875e-01, -4.78515625e-02,  1.93359375e-01, -1.92871094e-0
2],
       dtype=float32),
 'heart': array([-0.15039062,  0.24316406,  0.06396484,  0.11132812, -0.328
125  ,
         0.19628906,  0.2890625 ,  0.02758789, -0.00405884,  0.15820312,
        -0.21191406, -0.00976562, -0.0480957 ,  0.06176758,  0.14550781,
         0.11230469, -0.21679688,  0.14648438, -0.05175781, -0.04785156,
         0.0022583 , -0.11181641,  0.03393555,  0.14648438,  0.16894531,
        -0.08105469,  0.01409912, -0.02185059,  0.11035156, -0.08398438,
         0.03051758, -0.00159454, -0.12255859,  0.00872803, -0.28515625,
        -0.04907227, -0.18652344,  0.12158203, -0.22851562,  0.18457031,
         0.15917969, -0.10986328, -0.359375  ,  0.0625    ,  0.3515625 ,
         0.1328125 ,  0.05444336,  0.14160156,  0.07226562,  0.10058594,
         0.07958984,  0.16894531, -0.07714844, -0.13867188,  0.12890625,
        -0.06835938, -0.14257812,  0.0255127 ,  0.10693359,  0.14453125,
         0.00939941,  0.06933594,  0.28515625,  0.17480469,  0.1484375 ,
        -0.17871094, -0.16503906,  0.04248047,  0.10107422,  0.00579834,
        -0.08105469, -0.20410156,  0.328125  , -0.24707031, -0.47851562,
        -0.09228516,  0.07128906, -0.0456543 ,  0.04785156,  0.40625   ,
         0.15332031, -0.01452637,  0.13183594, -0.1875    , -0.40625   ,
```

```
        -0.25      , -0.20117188,  0.17675781,  0.09423828, -0.04663086,
         0.13867188,  0.02526855,  0.02514648, -0.02612305, -0.18066406,
         0.00604248,  0.11425781, -0.24804688,  0.01116943, -0.15820312,
        -0.09960938, -0.17089844,  0.15332031, -0.09472656,  0.00144958,
        -0.28320312,  0.03930664, -0.03759766,  0.09716797, -0.08496094,
        -0.11523438,  0.11962891,  0.01318359, -0.09472656,  0.51171875,
         0.05395508, -0.11865234,  0.0859375 , -0.06298828, -0.00897217,
        -0.20703125,  0.06298828, -0.05078125, -0.09667969,  0.05322266,
        -0.23925781,  0.18457031, -0.16699219,  0.17480469, -0.12158203,
        -0.00640869, -0.02319336, -0.296875  , -0.13183594,  0.29492188,
        -0.06738281,  0.05297852,  0.01373291,  0.08300781,  0.15234375,
        -0.17089844, -0.20507812,  0.11376953, -0.18457031, -0.17773438,
        -0.0480957 , -0.13378906,  0.13183594, -0.26757812, -0.03833008,
         0.11865234,  0.01953125,  0.2265625 ,  0.30859375,  0.01080322,
         0.04345703,  0.10351562,  0.10058594,  0.12695312, -0.08935547,
         0.11328125,  0.21875   ,  0.19335938, -0.00141144,  0.16699219,
        -0.21289062,  0.20507812, -0.37890625,  0.11132812, -0.01550293,
        -0.10058594, -0.01831055,  0.11279297, -0.16210938, -0.14257812,
        -0.18261719, -0.01660156,  0.06054688,  0.0112915 , -0.09521484,
        -0.04394531, -0.25      ,  0.02685547,  0.15527344, -0.03198242,
        -0.03833008, -0.21191406, -0.08154297,  0.10644531,  0.14355469,
         0.01672363,  0.328125  ,  0.11865234,  0.05395508,  0.13183594,
         0.17382812, -0.03881836,  0.25195312,  0.12158203, -0.12304688,
        -0.28515625, -0.12695312,  0.19628906,  0.0703125 ,  0.37304688,
        -0.27539062, -0.04980469,  0.02099609,  0.0859375 , -0.08398438,
        -0.38085938,  0.08007812, -0.31640625,  0.22558594, -0.38085938,
        -0.23144531,  0.078125  ,  0.046875  , -0.19726562,  0.07470703,
        -0.09130859, -0.03271484,  0.0480957 , -0.140625  , -0.17382812,
        -0.03979492, -0.01513672, -0.1328125 , -0.09033203,  0.17382812,
        -0.10839844, -0.01086426, -0.22363281, -0.13085938,  0.10839844,
        -0.21972656,  0.17773438, -0.03295898,  0.22558594,  0.03540039,
         0.16503906, -0.10009766, -0.33984375, -0.10107422,  0.11914062,
        -0.03173828,  0.04980469,  0.03613281,  0.18554688, -0.12988281,
         0.07958984,  0.24023438, -0.08154297, -0.04931641,  0.10644531,
        -0.00537109, -0.19921875, -0.14941406, -0.18945312, -0.06445312,
        -0.04052734, -0.21972656,  0.03710938,  0.26953125, -0.20019531,
        -0.05493164,  0.05932617, -0.00631714, -0.10498047, -0.1328125 ,
        -0.12695312, -0.03759766, -0.01843262, -0.03198242,  0.14160156,
        -0.21582031, -0.05786133, -0.14355469,  0.02709961, -0.09619141,
         0.37304688,  0.03100586, -0.02282715,  0.02941895, -0.08105469,
         0.01397705,  0.00817871, -0.15820312,  0.05029297,  0.00723267,
        -0.03417969, -0.140625  , -0.12109375, -0.32226562,  0.06201172,
         0.00111389, -0.02624512,  0.140625  , -0.0612793 ,  0.28320312],
       dtype=float32),
 'developed': array([-1.82617188e-01,  1.22070312e-01,  4.56542969e-02,  1.
87500000e-01,
        -3.02734375e-01,  4.49218750e-02, -6.22558594e-03, -2.28515625e-01,
        -6.73828125e-02,  3.12500000e-02,  9.76562500e-04, -5.93261719e-02,
        -4.85839844e-02, -1.96289062e-01, -1.28784180e-02, -1.10351562e-01,
        -1.04980469e-01,  2.13867188e-01, -1.04980469e-01,  2.15820312e-01,
        -1.87500000e-01,  1.59179688e-01, -1.14746094e-01, -1.08886719e-01,
         3.03955078e-02, -4.54101562e-02,  2.16064453e-02,  2.07519531e-02,
        -1.97265625e-01, -1.14257812e-01, -1.22558594e-01, -9.66796875e-02,
         1.03515625e-01, -9.17968750e-02,  8.30078125e-02,  8.30078125e-02,
        -5.83496094e-02, -2.33398438e-01,  8.78906250e-02, -1.15722656e-01,
         8.83789062e-02,  1.99218750e-01, -5.66406250e-02, -3.01513672e-02,
         1.12304688e-01, -1.45507812e-01, -2.63671875e-01, -7.51953125e-02,
         1.57226562e-01,  5.66406250e-02, -2.92968750e-02, -8.30078125e-02,
        -1.60156250e-01, -2.59765625e-01,  9.27734375e-02,  1.60156250e-01,
        -1.64062500e-01, -3.69140625e-01,  1.77734375e-01, -3.58581543e-03,
         6.78710938e-02, -9.15527344e-03,  3.85742188e-02, -1.42822266e-02,
        -1.71875000e-01,  7.42187500e-02, -6.17675781e-02,  2.68554688e-02,
         8.15429688e-02, -1.01562500e-01,  2.63671875e-02, -1.13769531e-01,
         1.70898438e-01, -1.91650391e-02,  1.87988281e-02, -4.71191406e-02,
```

```
         1.18652344e-01,  5.21850586e-03, -9.08203125e-02,  3.24218750e-01,
         2.71484375e-01, -7.51953125e-02, -2.49023438e-02,  6.15234375e-02,
        -8.20312500e-02, -7.37304688e-02, -1.21093750e-01, -1.90734863e-04,
        -1.26953125e-01, -6.00585938e-02,  8.69140625e-02, -1.49414062e-01,
        -3.41796875e-02,  2.17773438e-01,  4.71191406e-02,  2.46582031e-02,
        -4.80957031e-02, -1.55273438e-01,  1.52343750e-01, -3.12500000e-02,
         2.97851562e-02, -1.82617188e-01, -8.64257812e-02,  2.32421875e-01,
         2.29492188e-01, -7.22656250e-02, -2.19726562e-01,  1.00585938e-01,
        -2.16064453e-02, -1.23535156e-01, -2.83203125e-01,  1.71875000e-01,
         2.50244141e-02, -6.88476562e-02,  5.76171875e-02,  2.88085938e-02,
        -1.49414062e-01, -1.18652344e-01,  3.57421875e-01, -1.33789062e-01,
        -1.14746094e-02, -2.14843750e-01, -2.04467773e-03, -4.39453125e-02,
        -1.97265625e-01, -1.81884766e-02, -7.71484375e-02, -2.37304688e-01,
         3.66210938e-02, -2.66113281e-02,  5.44433594e-02,  3.93066406e-02,
        -2.67333984e-02,  6.73828125e-02, -8.54492188e-02,  8.20312500e-02,
        -1.25122070e-02,  2.14843750e-02, -5.07812500e-02, -1.28784180e-02,
        -1.34765625e-01,  1.14746094e-01, -2.47070312e-01, -9.17968750e-02,
        -3.68652344e-02, -2.47802734e-02,  2.01416016e-02, -6.98242188e-02,
         1.32812500e-01, -1.02539062e-01,  2.59765625e-01, -1.09863281e-01,
         9.42382812e-02,  2.02636719e-02, -1.00585938e-01, -6.20117188e-02,
        -1.94335938e-01, -3.88183594e-02, -7.56835938e-02, -2.57568359e-02,
         2.94921875e-01,  6.54296875e-02, -1.04980469e-01, -4.27246094e-02,
        -1.31835938e-02,  4.37011719e-02,  4.49218750e-02, -4.83398438e-02,
        -5.27343750e-02, -1.76757812e-01,  3.24707031e-02, -1.03027344e-01,
        -1.31835938e-01,  4.19921875e-02,  2.35351562e-01,  4.24804688e-02,
         8.97216797e-03, -2.01171875e-01, -2.23632812e-01,  1.97265625e-01,
         3.14453125e-01, -1.47460938e-01,  2.67333984e-02,  5.63964844e-02,
         8.48388672e-03,  1.03515625e-01, -5.39550781e-02, -1.86523438e-01,
        -1.97265625e-01, -5.15136719e-02, -2.04101562e-01, -1.11694336e-02,
         1.77734375e-01, -1.31835938e-01, -1.24511719e-01,  9.76562500e-02,
         4.88281250e-02, -5.24902344e-02,  2.13867188e-01, -3.26171875e-01,
         6.29882812e-02,  8.20312500e-02,  5.02929688e-02,  2.41210938e-01,
        -2.75390625e-01, -3.85742188e-02,  2.80761719e-02, -2.75390625e-01,
         1.61132812e-01, -2.12402344e-02,  8.10546875e-02,  7.27539062e-02,
         1.78222656e-02,  1.47460938e-01,  9.86328125e-02, -2.21679688e-01,
         2.08984375e-01, -1.36718750e-01,  7.12890625e-02,  2.29492188e-01,
         6.19506836e-03, -7.27539062e-02,  3.49121094e-02,  3.02734375e-02,
         1.18652344e-01,  5.93261719e-02,  9.33837891e-03, -1.00097656e-01,
        -3.49609375e-01, -8.88671875e-02, -1.11816406e-01,  2.34375000e-02,
         2.96875000e-01, -9.27734375e-02,  3.90625000e-02, -1.53808594e-02,
         1.84326172e-02, -1.33056641e-02,  1.42578125e-01, -3.49121094e-02,
         1.19628906e-02, -1.38671875e-01,  1.52587891e-02, -1.61132812e-01,
         4.63867188e-02,  5.76171875e-02,  1.16699219e-01,  2.34375000e-02,
         5.17578125e-02, -1.70898438e-01, -7.47070312e-02,  2.94494629e-03,
         2.46582031e-02,  1.66015625e-02,  3.35693359e-03,  7.51953125e-02,
        -1.80664062e-01, -2.61718750e-01, -1.14746094e-01, -6.89697266e-03,
        -1.36718750e-01, -5.81054688e-02,  6.22558594e-02, -3.08837891e-02,
         1.79687500e-01, -1.05590820e-02, -7.47070312e-02, -2.96875000e-01,
        -1.40625000e-01, -1.05590820e-02, -2.11181641e-02,  4.83398438e-02,
        -3.41796875e-01, -1.11328125e-01,  5.93261719e-02, -1.71875000e-01,
        -1.76757812e-01, -9.96093750e-02, -5.95703125e-02, -1.42578125e-01,
        -9.57031250e-02,  1.78710938e-01,  4.56542969e-02, -7.01904297e-03,
         1.06445312e-01,  1.79443359e-02, -7.81250000e-02,  1.23535156e-01,
         7.81250000e-02, -6.37817383e-03, -2.65625000e-01,  1.39648438e-01,
        -2.65625000e-01, -6.25000000e-02, -1.34765625e-01,  5.10253906e-02,
         4.83398438e-02,  3.03955078e-02, -9.46044922e-03, -6.46972656e-0
3],
       dtype=float32),
 'engaged': array([ 4.61425781e-02,  1.74804688e-01, -1.38671875e-01, -6.34
765625e-02,
        -3.28125000e-01,  2.08984375e-01,  7.81250000e-03, -1.02050781e-01,
        -3.58581543e-03, -2.02148438e-01,  2.07519531e-02, -1.97753906e-02,
        -3.18359375e-01,  7.61718750e-02,  1.13281250e-01, -2.81982422e-02,
        -7.76367188e-02, -6.34765625e-02,  9.81445312e-02,  2.27355957e-03,
```

```
-1.29882812e-01, -3.66210938e-02,  4.90722656e-02,  5.63964844e-02,
-2.00195312e-02, -5.32226562e-02, -7.32421875e-02, -2.34985352e-03,
-1.34765625e-01, -2.08007812e-01,  2.91015625e-01, -2.19726562e-01,
 8.44726562e-02,  7.53784180e-03,  1.49414062e-01,  1.15722656e-01,
 1.11328125e-01, -4.51660156e-02,  5.32226562e-02, -8.25195312e-02,
-1.35742188e-01,  3.53515625e-01, -2.63671875e-01, -7.32421875e-02,
-1.88476562e-01,  6.29882812e-02, -3.71093750e-01, -2.00195312e-01,
-2.55126953e-02,  1.63085938e-01,  1.30859375e-01, -2.42614746e-03,
 4.30297852e-03,  3.75976562e-02,  7.17773438e-02,  7.56835938e-02,
 2.34375000e-01, -4.82421875e-01,  6.22558594e-03, -1.25000000e-01,
 6.39648438e-02, -4.07714844e-02, -1.98242188e-01,  1.51367188e-01,
-4.00390625e-01,  2.06054688e-01, -2.00195312e-01, -2.68554688e-02,
-1.42578125e-01, -1.75781250e-02, -1.23535156e-01, -1.33789062e-01,
 1.80664062e-01,  3.16406250e-01,  1.48437500e-01, -9.91210938e-02,
 7.12890625e-02,  6.44531250e-02, -9.96093750e-02,  1.10839844e-01,
-1.50390625e-01,  1.15234375e-01,  4.83398438e-02,  1.40625000e-01,
-1.23046875e-01, -1.16699219e-01,  2.69531250e-01, -3.95507812e-02,
 1.70898438e-01,  4.41894531e-02,  1.56250000e-01, -1.18164062e-01,
 9.17968750e-02,  1.25732422e-02, -1.73339844e-02, -2.41210938e-01,
-9.37500000e-02, -1.61132812e-01, -1.49414062e-01,  1.00585938e-01,
-2.67578125e-01, -1.25000000e-01, -5.29785156e-02,  1.91650391e-02,
 1.16210938e-01, -3.33984375e-01, -1.08032227e-02,  5.76782227e-03,
 1.64062500e-01,  5.07812500e-02, -1.67968750e-01,  3.96728516e-03,
-4.17480469e-02, -3.63769531e-02,  4.29687500e-02,  2.30712891e-02,
 2.42187500e-01,  1.11816406e-01,  3.75000000e-01,  9.04083252e-04,
 1.27929688e-01, -1.21582031e-01, -5.95703125e-02, -4.39453125e-02,
-1.43554688e-01,  6.17675781e-02, -9.47265625e-02, -1.54296875e-01,
-1.25000000e-01,  1.14746094e-01, -7.76367188e-02, -1.09863281e-01,
-2.83203125e-01,  5.34667969e-02, -4.73022461e-03,  1.96533203e-02,
 1.82617188e-01,  2.74658203e-02, -6.59179688e-02,  5.21850586e-03,
 1.35040283e-03,  4.85839844e-02,  5.66406250e-02,  1.70898438e-02,
-2.79296875e-01,  1.29882812e-01, -2.13867188e-01,  1.58203125e-01,
 1.74560547e-02, -2.01225281e-04,  2.61718750e-01,  3.18359375e-01,
-1.41601562e-01,  4.19921875e-02, -1.09863281e-01, -6.73828125e-02,
-3.41796875e-02, -2.21679688e-01,  2.22656250e-01, -5.70678711e-03,
-1.70898438e-02,  2.05078125e-01, -7.08007812e-03,  1.82617188e-01,
-1.71875000e-01, -1.25976562e-01, -2.78320312e-02, -8.88671875e-02,
 1.37695312e-01,  9.58251953e-03, -2.75390625e-01, -1.71875000e-01,
 1.43554688e-01, -3.75000000e-01,  2.09960938e-01, -8.10546875e-02,
-1.42578125e-01,  2.33459473e-03, -2.24609375e-01, -1.54296875e-01,
-1.19140625e-01,  5.40161133e-03, -7.91015625e-02,  6.78710938e-02,
 5.63964844e-02, -4.85839844e-02,  6.03027344e-02,  1.14257812e-01,
-1.34765625e-01,  1.25976562e-01,  4.76074219e-02,  3.88183594e-02,
 9.22851562e-02, -1.99218750e-01,  8.74023438e-02,  3.63281250e-01,
 4.00390625e-02,  3.80859375e-01,  6.25000000e-02, -1.12792969e-01,
 1.89453125e-01,  6.78710938e-02,  6.15234375e-02, -8.88671875e-02,
-1.14746094e-01, -6.88476562e-02,  1.25976562e-01,  6.00585938e-02,
-5.05371094e-02, -1.12304688e-01,  1.90429688e-01,  2.00195312e-01,
 1.26647949e-03, -5.10253906e-02,  2.94921875e-01, -6.16455078e-03,
 2.06298828e-02,  1.21093750e-01,  5.27343750e-02,  6.12792969e-02,
 7.12890625e-02,  1.20605469e-01, -2.94921875e-01,  1.38671875e-01,
 2.09960938e-01,  1.84570312e-01,  3.14453125e-01, -6.68945312e-02,
 7.53784180e-03,  2.91748047e-02,  3.17382812e-02, -2.11914062e-01,
 3.11279297e-03, -1.78222656e-02,  2.13623047e-02, -8.10546875e-02,
 6.54296875e-02, -1.09863281e-01,  2.13867188e-01,  2.38281250e-01,
-3.75976562e-02,  1.83593750e-01, -2.57812500e-01,  1.14257812e-01,
-8.69140625e-02,  8.10546875e-02, -1.09863281e-01,  1.92382812e-01,
 2.29492188e-01, -3.55468750e-01, -4.98046875e-02, -1.89453125e-01,
 3.00781250e-01,  4.36401367e-03, -1.90429688e-01,  4.00390625e-02,
 7.32421875e-02, -1.18652344e-01, -6.54296875e-02, -1.08886719e-01,
 6.59179688e-02,  7.76367188e-02,  3.18359375e-01, -7.62939453e-03,
 5.95703125e-02,  1.69921875e-01, -1.10839844e-01,  1.95312500e-01,
-5.93261719e-02,  1.09863281e-01,  6.78710938e-02,  3.22265625e-01,
 2.59765625e-01,  8.49609375e-02,  1.10351562e-01, -1.05468750e-01,
```

```
        -3.18359375e-01,  2.29492188e-01, -9.81445312e-02,  2.20703125e-01,
         2.49023438e-02,  1.08398438e-01,  1.42578125e-01, -9.76562500e-02,
         1.90429688e-01, -1.75781250e-01, -7.32421875e-02, -1.83105469e-02,
         5.07812500e-01, -5.10253906e-02, -1.57226562e-01,  1.30859375e-01,
        -1.17187500e-01, -7.75146484e-03, -2.01171875e-01, -2.09960938e-01,
         1.86767578e-02,  1.79687500e-01,  6.64062500e-02,  2.19726562e-0
1],
       dtype=float32),
 'able': array([ 0.1875    ,  0.06835938, -0.01123047,  0.17871094, -0.2070
3125,
        -0.10644531,  0.1953125 ,  0.03222656,  0.19335938, -0.12597656,
        -0.01269531, -0.02282715, -0.29492188, -0.20507812, -0.20605469,
        -0.11328125,  0.16992188, -0.03222656,  0.11474609, -0.02111816,
        -0.09375   ,  0.00179291,  0.13574219, -0.05029297, -0.08251953,
        -0.24707031, -0.05883789, -0.08203125, -0.13085938, -0.07617188,
         0.140625  , -0.00878906,  0.10351562, -0.28515625,  0.01239014,
         0.12890625,  0.08984375, -0.10839844, -0.00218201, -0.14550781,
         0.05200195, -0.02246094,  0.13183594, -0.09960938,  0.08203125,
        -0.10742188, -0.02844238,  0.06079102, -0.03857422, -0.21679688,
         0.00952148, -0.02941895, -0.10546875,  0.09716797, -0.01940918,
         0.0402832 , -0.01281738, -0.06103516,  0.30078125, -0.00497437,
         0.11181641, -0.13867188, -0.15527344, -0.09423828,  0.04736328,
         0.06982422, -0.06884766,  0.26953125, -0.0088501 , -0.02062988,
         0.01489258,  0.06640625,  0.00343323, -0.08886719, -0.1875    ,
        -0.171875  ,  0.29296875,  0.16601562,  0.04785156, -0.25390625,
         0.04614258,  0.07861328,  0.10888672,  0.07275391, -0.15625   ,
        -0.05957031, -0.16015625,  0.06640625, -0.12353516,  0.17089844,
         0.07714844, -0.09423828, -0.00241089, -0.11767578, -0.08349609,
        -0.12255859,  0.06738281,  0.20019531, -0.03540039,  0.046875  ,
         0.04492188, -0.12060547, -0.03295898,  0.140625  , -0.02111816,
         0.03881836, -0.15234375, -0.18652344,  0.0859375 ,  0.03320312,
        -0.21191406,  0.01446533, -0.04760742, -0.18554688,  0.01611328,
         0.10498047, -0.01342773, -0.15722656,  0.14160156, -0.01672363,
        -0.12597656, -0.10205078,  0.26367188, -0.07177734, -0.12988281,
        -0.02124023, -0.20605469, -0.29101562, -0.25      , -0.06396484,
         0.0300293 , -0.01000977, -0.08642578,  0.09570312, -0.12011719,
        -0.31445312,  0.16992188,  0.02893066,  0.21484375,  0.1328125 ,
        -0.19238281, -0.21875   , -0.02832031, -0.13378906,  0.14257812,
         0.12451172, -0.02246094, -0.17773438,  0.19335938, -0.09814453,
         0.06933594,  0.25390625, -0.18847656,  0.16796875,  0.09521484,
         0.20507812, -0.15136719,  0.05419922, -0.3125    ,  0.0111084 ,
         0.09619141,  0.11669922,  0.046875  ,  0.0703125 , -0.02502441,
        -0.296875  ,  0.0859375 ,  0.13378906,  0.12353516, -0.0456543 ,
        -0.203125  ,  0.07519531, -0.06396484, -0.09082031,  0.07861328,
         0.01745605,  0.21191406, -0.11376953, -0.38085938,  0.10107422,
        -0.11279297,  0.13574219,  0.15917969,  0.0123291 , -0.19335938,
        -0.14648438, -0.03393555, -0.11230469,  0.13183594, -0.12988281,
        -0.04711914, -0.0300293 , -0.03759766, -0.13085938,  0.07324219,
         0.08154297,  0.2265625 , -0.00173187, -0.12402344, -0.28710938,
         0.12792969,  0.40039062,  0.06201172,  0.04223633,  0.04003906,
         0.0112915 , -0.11425781,  0.0456543 ,  0.20605469,  0.05151367,
        -0.12792969,  0.39257812, -0.07275391,  0.16992188,  0.12792969,
        -0.04907227,  0.14941406, -0.05297852, -0.08447266,  0.06298828,
         0.07861328,  0.01098633, -0.19335938, -0.13867188, -0.0378418 ,
         0.01171875,  0.23828125, -0.0378418 , -0.18359375, -0.12695312,
         0.01733398, -0.0703125 ,  0.18847656, -0.05053711,  0.15136719,
        -0.02001953,  0.04199219, -0.02563477, -0.02966309,  0.14355469,
        -0.0859375 , -0.03637695, -0.0009613 , -0.19140625,  0.05639648,
        -0.02624512,  0.01495361,  0.00476074,  0.14746094, -0.18652344,
        -0.00265503, -0.05200195,  0.16503906,  0.11621094,  0.15527344,
         0.12890625,  0.23046875, -0.07080078, -0.19042969, -0.05151367,
        -0.14453125,  0.00297546, -0.09082031,  0.18457031,  0.12988281,
        -0.0100708 ,  0.23144531, -0.02050781, -0.08349609,  0.18261719,
         0.23242188,  0.0402832 ,  0.17480469,  0.10546875,  0.15527344,
```

```
        -0.09619141,  0.04785156, -0.10253906, -0.08007812,  0.265625  ,
        -0.15527344,  0.08642578,  0.16796875,  0.03417969, -0.07617188,
        -0.046875  , -0.01586914,  0.00191498,  0.08496094,  0.03076172,
        -0.11621094,  0.10205078, -0.08886719, -0.1171875 , -0.11181641,
         0.11767578,  0.1015625 ,  0.00552368, -0.02185059, -0.1796875 ],
       dtype=float32),
 'authentic': array([ 0.00854492, -0.2265625 ,  0.09179688, -0.02453613, -
0.10644531,
         0.3828125 ,  0.07958984, -0.07617188,  0.07861328,  0.12792969,
        -0.15625   , -0.29882812,  0.01928711,  0.25      , -0.13378906,
         0.265625  , -0.00811768,  0.09423828,  0.0703125 ,  0.04711914,
         0.00448608,  0.15722656, -0.06079102,  0.0045166 , -0.3125    ,
        -0.2734375 , -0.20605469, -0.0018692 ,  0.20214844, -0.23535156,
         0.14453125, -0.02429199, -0.09667969,  0.36914062, -0.0300293 ,
        -0.171875  ,  0.1953125 , -0.10546875, -0.20800781,  0.03588867,
        -0.01599121, -0.0534668 , -0.03881836,  0.12255859,  0.15527344,
        -0.29296875, -0.21289062,  0.33789062,  0.11669922, -0.01177979,
         0.08837891,  0.45703125, -0.22070312, -0.23925781,  0.00131989,
         0.15527344, -0.00259399, -0.22949219,  0.07324219, -0.26171875,
         0.04052734, -0.06738281, -0.3203125 , -0.17773438, -0.04785156,
        -0.01818848, -0.27148438, -0.07470703,  0.30078125, -0.00238037,
         0.08740234,  0.3125    , -0.01147461, -0.12158203,  0.02954102,
         0.07373047,  0.10351562,  0.11425781,  0.18261719,  0.00308228,
        -0.07373047, -0.23730469,  0.12792969, -0.03564453, -0.1484375 ,
        -0.06396484, -0.11621094,  0.1640625 ,  0.07226562,  0.23730469,
        -0.18164062, -0.0279541 , -0.15917969,  0.01544189,  0.1328125 ,
         0.03686523, -0.13085938,  0.04785156, -0.08398438, -0.29296875,
        -0.08642578,  0.30273438,  0.10253906,  0.09960938,  0.08203125,
        -0.16210938,  0.328125  , -0.05444336,  0.06298828, -0.17871094,
        -0.234375  ,  0.296875  , -0.296875  ,  0.0222168 , -0.13964844,
         0.13378906, -0.04296875,  0.00128174,  0.02282715, -0.18164062,
        -0.14257812, -0.26953125,  0.27148438,  0.06542969,  0.0039978 ,
         0.10107422,  0.01544189, -0.14160156, -0.29296875,  0.15234375,
        -0.22753906,  0.11621094, -0.25195312,  0.3671875 , -0.10644531,
         0.12011719, -0.06884766, -0.10742188,  0.10839844,  0.31054688,
        -0.15722656, -0.04907227,  0.03344727,  0.15527344, -0.13378906,
        -0.14453125,  0.03015137,  0.03063965, -0.08398438,  0.06689453,
        -0.24511719,  0.32226562,  0.04296875,  0.06884766, -0.09423828,
        -0.11523438, -0.15722656,  0.006073  , -0.31054688, -0.04467773,
        -0.07861328, -0.05908203, -0.0456543 ,  0.08935547, -0.08544922,
         0.15429688,  0.00756836, -0.05688477,  0.07958984,  0.22851562,
        -0.16699219,  0.07275391,  0.07324219, -0.23632812,  0.20898438,
         0.19628906, -0.19140625,  0.06396484, -0.02514648, -0.09960938,
        -0.390625  , -0.1875    , -0.0480957 , -0.390625  , -0.06933594,
        -0.16796875, -0.13867188, -0.12402344, -0.08007812, -0.00860596,
        -0.06176758,  0.2734375 , -0.00964355, -0.12695312,  0.12890625,
        -0.20019531,  0.20214844, -0.04003906, -0.19726562,  0.0246582 ,
         0.25195312,  0.04882812, -0.16113281,  0.18847656,  0.07519531,
        -0.10058594,  0.08984375, -0.22851562, -0.03320312, -0.0300293 ,
        -0.12695312,  0.19042969, -0.07275391,  0.06201172,  0.03735352,
        -0.02783203,  0.06298828,  0.03710938, -0.06494141, -0.03759766,
         0.15625   ,  0.21386719, -0.14355469,  0.10205078,  0.16210938,
         0.13378906,  0.05078125,  0.12890625, -0.0859375 ,  0.00772095,
         0.15722656, -0.07080078, -0.06591797,  0.11181641,  0.20410156,
        -0.07910156,  0.17480469,  0.09326172, -0.06054688,  0.04638672,
         0.35546875, -0.24902344, -0.12890625,  0.16210938,  0.05761719,
         0.11083984, -0.01159668,  0.07080078, -0.04199219, -0.15039062,
         0.16308594,  0.1953125 ,  0.04077148, -0.03125   ,  0.09570312,
        -0.33789062, -0.16308594, -0.36523438,  0.08447266, -0.515625  ,
        -0.0267334 ,  0.00842285,  0.23632812, -0.08251953, -0.05126953,
         0.0291748 , -0.2109375 , -0.31835938, -0.00778198, -0.19824219,
         0.03076172,  0.12792969,  0.14257812,  0.17089844,  0.07617188,
         0.00634766, -0.03613281, -0.09619141, -0.15625   ,  0.15234375,
        -0.05249023, -0.109375  ,  0.00386047, -0.04272461, -0.0456543 ,
```

```
        -0.03039551, -0.15820312, -0.01287842, -0.08544922, -0.06396484,
        -0.12792969, -0.20410156, -0.08740234,  0.17871094,  0.10351562,
         0.23535156,  0.17773438, -0.34960938, -0.0559082 , -0.02490234],
       dtype=float32),
 'self': array([ 8.54492188e-02,  1.40625000e-01, -1.80664062e-02,  8.78906
250e-02,
        -8.78906250e-02,  1.28906250e-01,  2.13623047e-02, -5.12695312e-02,
        -2.58789062e-02,  6.00585938e-02,  2.20703125e-01, -6.10351562e-02,
        -9.13085938e-02,  1.61132812e-01,  8.11767578e-03,  5.37109375e-02,
         7.95898438e-02,  1.66992188e-01, -1.69677734e-02,  1.16210938e-01,
         2.08984375e-01, -1.68945312e-01, -3.02734375e-01,  3.63281250e-01,
         1.74804688e-01,  2.43164062e-01, -8.98437500e-02,  1.96289062e-01,
         3.80859375e-01, -6.20117188e-02, -5.44433594e-02, -2.12890625e-01,
        -2.44140625e-01,  9.13085938e-02,  3.12500000e-02, -2.20947266e-02,
         1.62109375e-01, -9.27734375e-02,  1.21582031e-01,  1.97753906e-02,
         2.07031250e-01,  1.25000000e-01, -4.37011719e-02,  1.17187500e-01,
         1.20605469e-01, -2.94921875e-01, -5.10253906e-02, -2.62451172e-02,
        -1.24023438e-01,  3.90625000e-01, -2.55107880e-05,  1.66015625e-01,
        -1.05957031e-01, -6.49414062e-02,  1.19628906e-01,  2.48046875e-01,
        -1.66015625e-01, -8.44726562e-02, -1.77734375e-01, -2.55859375e-01,
         1.31835938e-01,  2.92968750e-01,  4.10156250e-02,  1.14135742e-02,
        -1.93359375e-01, -3.01513672e-02,  8.74023438e-02,  5.66406250e-02,
        -3.88183594e-02,  7.71484375e-02,  1.39648438e-01, -1.64062500e-01,
         2.33398438e-01,  1.15722656e-01, -2.64892578e-02, -8.49609375e-02,
         1.34277344e-02, -7.56835938e-02,  2.05078125e-01,  1.29882812e-01,
         2.02148438e-01,  1.40625000e-01, -7.76367188e-02, -2.63671875e-01,
         7.81250000e-02,  5.37109375e-03,  2.91748047e-02,  2.77343750e-01,
         2.24609375e-01, -1.33789062e-01, -1.15234375e-01,  6.77490234e-03,
        -2.01171875e-01, -1.88476562e-01,  3.28125000e-01, -1.20605469e-01,
         1.49414062e-01, -1.85546875e-01, -2.36328125e-01, -2.12402344e-02,
         1.70898438e-01,  7.44628906e-03, -2.42187500e-01,  2.01416016e-02,
         3.27148438e-02,  1.80664062e-01, -4.29687500e-01,  2.03125000e-01,
         3.06640625e-01, -2.50000000e-01, -2.33398438e-01, -2.53906250e-01,
        -2.37304688e-01,  2.29492188e-02,  9.32617188e-02,  2.12890625e-01,
        -2.16796875e-01, -1.39648438e-01,  1.64062500e-01,  2.22656250e-01,
        -6.74438477e-03,  1.15356445e-02, -5.22460938e-02, -9.71679688e-02,
         6.34765625e-02,  2.71484375e-01,  3.45703125e-01,  1.81640625e-01,
         2.89062500e-01,  2.28271484e-02,  7.51953125e-02,  1.24023438e-01,
        -3.90625000e-01,  1.11328125e-01, -7.22656250e-02,  1.57226562e-01,
         4.39453125e-01,  1.01562500e-01,  1.28906250e-01,  1.58203125e-01,
        -9.52148438e-02, -3.41796875e-01,  1.91406250e-01, -7.95898438e-02,
        -1.47460938e-01, -2.15820312e-01, -2.08984375e-01,  1.89453125e-01,
        -9.66796875e-02,  5.83496094e-02, -7.47070312e-02,  1.88476562e-01,
         2.63671875e-01, -6.13403320e-03,  5.78613281e-02,  1.07421875e-01,
        -1.75781250e-02, -1.25976562e-01,  1.01562500e-01, -5.32226562e-02,
         2.04101562e-01, -1.28906250e-01,  3.56445312e-02,  1.37695312e-01,
         3.75976562e-02, -2.21679688e-01, -1.35498047e-02,  1.80664062e-01,
         1.64062500e-01,  5.51757812e-02, -1.34887695e-02, -1.30859375e-01,
         2.65625000e-01,  7.87353516e-03,  1.51367188e-02,  1.77734375e-01,
        -1.15722656e-01, -1.03027344e-01, -1.34765625e-01, -5.90820312e-02,
        -1.75781250e-01, -4.57031250e-01, -3.00781250e-01, -6.78710938e-02,
        -2.61718750e-01,  1.21093750e-01, -2.27539062e-01, -1.20117188e-01,
         1.64062500e-01, -6.98242188e-02, -3.29589844e-02,  8.39843750e-02,
         6.44531250e-02, -2.57812500e-01, -1.04980469e-01, -2.73437500e-01,
        -3.08593750e-01, -2.20947266e-02, -2.20703125e-01,  1.68945312e-01,
        -1.18652344e-01,  1.16699219e-01, -1.45507812e-01,  2.20947266e-02,
        -1.23535156e-01, -1.50390625e-01, -1.01562500e-01, -1.92382812e-01,
        -4.17480469e-02, -1.90429688e-01,  2.41699219e-02,  1.14746094e-01,
        -8.74023438e-02,  3.85742188e-02, -8.39843750e-02,  5.66406250e-02,
         2.75878906e-02,  1.27929688e-01, -3.51562500e-01,  1.69921875e-01,
        -5.39550781e-02, -1.94335938e-01, -1.76757812e-01, -2.45117188e-01,
         1.30859375e-01, -3.80859375e-02,  1.82617188e-01,  6.64062500e-02,
         3.12500000e-01, -1.16210938e-01,  3.10546875e-01, -1.71875000e-01,
         1.08642578e-02,  2.15820312e-01, -7.37304688e-02,  1.49414062e-01,
```

```
         7.95898438e-02,  7.17773438e-02, -1.53320312e-01,  2.75878906e-02,
         4.76562500e-01, -2.77343750e-01,  1.54296875e-01, -2.06054688e-01,
         7.47070312e-02,  5.44433594e-02,  4.93164062e-02, -1.63574219e-02,
        -2.42919922e-02,  6.15234375e-02,  1.21582031e-01, -1.18652344e-01,
         6.59179688e-02,  2.15820312e-01,  1.24511719e-02,  4.34570312e-02,
         7.51953125e-02,  1.48437500e-01,  7.95898438e-02,  1.25976562e-01,
         3.63769531e-02,  3.63159180e-03,  3.97949219e-02, -2.32421875e-01,
        -9.08203125e-02,  3.12500000e-01,  1.17187500e-01,  1.64794922e-02,
        -2.03125000e-01, -1.83105469e-02,  3.00292969e-02,  4.66308594e-02,
         2.94921875e-01,  5.15747070e-03, -9.27734375e-02,  1.44531250e-01,
        -2.26562500e-01, -6.78710938e-02,  8.72802734e-03,  1.45507812e-01,
         1.89453125e-01,  7.51953125e-02,  2.53906250e-01, -2.57812500e-01,
         1.22558594e-01, -4.56542969e-02, -8.15429688e-02, -3.80859375e-02,
         8.34960938e-02,  3.33984375e-01, -1.48437500e-01,  1.98974609e-02,
        -1.58203125e-01, -8.83789062e-02, -4.23828125e-01, -1.08886719e-01,
         1.95312500e-01, -8.63075256e-05,  4.95605469e-02, -6.25000000e-0
2],
       dtype=float32),
 'invest': array([-5.55419922e-03,  9.61914062e-02,  6.73828125e-02, -4.858
39844e-02,
         4.61425781e-02,  2.25585938e-01,  1.06445312e-01, -3.02734375e-01,
         1.48437500e-01,  1.18652344e-01, -1.07421875e-01,  1.87500000e-01,
        -2.94921875e-01,  2.21679688e-01, -1.52343750e-01, -8.30078125e-03,
        -2.59765625e-01,  2.33398438e-01, -1.53320312e-01,  2.51953125e-01,
        -8.00781250e-02,  1.63085938e-01,  1.41601562e-01,  2.40234375e-01,
         7.51953125e-02,  5.37109375e-02,  1.00097656e-02,  5.73730469e-02,
        -1.64062500e-01, -6.64062500e-02,  2.54821777e-03,  6.54296875e-02,
        -3.18359375e-01, -2.13867188e-01,  3.07617188e-02, -1.80664062e-01,
         4.46777344e-02,  1.73339844e-02, -1.53320312e-01,  3.32031250e-01,
         2.40234375e-01,  2.53906250e-01,  8.83789062e-02, -1.36718750e-01,
        -1.34765625e-01, -1.86523438e-01, -1.99218750e-01,  1.97753906e-02,
        -3.20312500e-01,  8.20312500e-02,  3.00781250e-01, -3.75976562e-02,
        -9.91210938e-02, -1.89453125e-01, -1.51367188e-02, -5.00000000e-01,
         5.56640625e-02, -2.27539062e-01,  7.29370117e-03, -1.56250000e-01,
         5.81054688e-02, -2.44140625e-01, -6.54296875e-02,  7.76367188e-02,
        -2.33154297e-02, -2.39257812e-01, -3.26171875e-01, -8.69140625e-02,
         4.17968750e-01,  7.27539062e-02, -1.95312500e-01, -8.44726562e-02,
         2.50000000e-01,  9.13085938e-02,  1.25122070e-02, -1.82617188e-01,
        -1.46484375e-01,  7.12890625e-02, -2.50000000e-01,  1.45874023e-02,
        -3.41796875e-01, -8.64257812e-02, -1.14257812e-01,  2.16796875e-01,
        -1.44042969e-02,  2.50000000e-01,  5.32226562e-02,  3.12500000e-01,
         5.05371094e-02,  2.65625000e-01,  3.73046875e-01,  5.46875000e-02,
         8.59375000e-02, -1.19628906e-02,  3.24707031e-02, -2.89062500e-01,
         8.88671875e-02,  2.01171875e-01, -3.32031250e-02, -7.95898438e-02,
        -8.20312500e-02, -2.27539062e-01, -8.00781250e-02,  9.27734375e-02,
         4.00390625e-02, -3.16406250e-01,  3.66210938e-02, -1.00585938e-01,
         2.38037109e-02,  2.13867188e-01,  1.49536133e-02,  4.95605469e-02,
        -1.50390625e-01,  5.37872314e-04,  2.55859375e-01,  1.62353516e-02,
        -8.11767578e-03, -1.71875000e-01,  2.18750000e-01, -8.39843750e-02,
         4.41406250e-01, -1.83593750e-01, -3.49609375e-01,  3.24218750e-01,
        -2.83203125e-01, -1.39648438e-01,  3.61328125e-02, -1.23535156e-01,
        -8.98437500e-02,  5.85937500e-02, -2.85156250e-01,  2.91015625e-01,
         2.38281250e-01, -1.30859375e-01,  1.67968750e-01,  1.79687500e-01,
        -5.10253906e-02,  1.83593750e-01, -6.03027344e-02,  1.96289062e-01,
         1.64062500e-01, -8.59375000e-02, -7.17773438e-02,  1.21582031e-01,
         3.36914062e-02, -3.46679688e-02, -1.80664062e-02, -1.55273438e-01,
         9.13085938e-02, -3.35937500e-01, -9.52148438e-02, -3.49609375e-01,
         6.12792969e-02, -5.07812500e-02, -2.12890625e-01,  1.34277344e-02,
        -1.06933594e-01, -6.05468750e-02, -7.22656250e-02, -1.25000000e-01,
         1.88476562e-01, -6.73828125e-02, -2.57812500e-01, -3.49121094e-02,
         4.15039062e-02, -4.85839844e-02, -2.35595703e-02, -1.99218750e-01,
         3.51562500e-01, -3.00781250e-01, -1.20117188e-01, -4.85839844e-02,
        -9.27734375e-02, -7.91015625e-02,  2.38281250e-01, -1.93359375e-01,
         2.57812500e-01,  1.15234375e-01, -1.23046875e-01,  1.33666992e-02,
```

```
        -2.92968750e-01, -3.49609375e-01, -2.53906250e-01, -1.14746094e-01,
         1.79443359e-02, -4.66796875e-01, -3.34472656e-02,  1.78710938e-01,
        -1.33789062e-01, -1.62353516e-02, -1.33789062e-01, -1.62109375e-01,
        -3.75000000e-01,  5.63964844e-02, -2.17773438e-01,  1.87500000e-01,
         2.97851562e-02,  8.20312500e-02,  1.44531250e-01, -1.50390625e-01,
        -1.99218750e-01,  1.11328125e-01,  1.18164062e-01, -2.05078125e-02,
        -4.57031250e-01, -2.94921875e-01,  3.78417969e-02, -1.18652344e-01,
        -1.32812500e-01, -2.59765625e-01,  1.74804688e-01,  2.17773438e-01,
         1.83593750e-01,  3.06640625e-01, -5.39550781e-02,  4.94140625e-01,
         2.69531250e-01,  1.23901367e-02,  2.12402344e-02, -4.22363281e-02,
        -1.49414062e-01, -2.23388672e-02, -1.51367188e-01,  1.36718750e-01,
         7.42187500e-02, -6.56127930e-03,  8.10546875e-02, -1.44531250e-01,
        -2.24609375e-01, -4.07714844e-02, -2.20703125e-01, -8.49609375e-02,
        -9.32617188e-02,  1.55273438e-01,  2.31445312e-01,  1.92871094e-02,
        -7.32421875e-02,  6.78710938e-02,  2.28515625e-01, -2.63671875e-01,
        -3.59375000e-01,  6.62231445e-03, -1.90429688e-01,  1.09863281e-01,
         2.09960938e-01, -6.78710938e-02,  1.18652344e-01,  1.78710938e-01,
         1.73828125e-01, -2.18750000e-01, -1.97753906e-02,  7.32421875e-02,
         4.24804688e-02,  2.57812500e-01, -5.88378906e-02,  1.17797852e-02,
         1.30859375e-01,  3.20312500e-01, -2.75390625e-01,  7.08007812e-02,
         1.19140625e-01,  1.06201172e-02,  5.10253906e-02,  2.04101562e-01,
         9.22851562e-02,  2.21679688e-01, -1.16699219e-01, -1.66992188e-01,
        -2.61718750e-01, -5.76171875e-02, -1.60156250e-01,  2.59765625e-01,
         6.34765625e-02, -9.37500000e-02,  1.00097656e-02,  1.56250000e-02,
        -4.58984375e-02,  2.09960938e-02, -3.08593750e-01, -3.97949219e-02,
        -1.09863281e-01, -1.14135742e-02,  2.18750000e-01,  9.03320312e-02,
         1.66015625e-01,  1.65039062e-01,  1.19140625e-01, -1.32812500e-01,
         3.80859375e-02, -2.58789062e-02, -9.27734375e-02,  5.74218750e-01,
        -6.49414062e-02,  3.96728516e-04,  1.15966797e-02, -2.01171875e-01,
         1.47705078e-02,  5.22460938e-02,  3.61328125e-02, -4.37011719e-0
2],
       dtype=float32),
 'workforce': array([-0.20800781, -0.21191406, -0.0177002 , -0.2890625 ,
0.23046875,
        -0.12158203, -0.03198242,  0.03271484,  0.17675781, -0.01464844,
        -0.02954102,  0.13476562, -0.07275391, -0.03271484,  0.00891113,
        -0.09472656, -0.06933594,  0.20214844,  0.05053711,  0.12890625,
        -0.22949219, -0.30273438,  0.29296875, -0.421875  , -0.08544922,
         0.16992188, -0.31640625, -0.01470947, -0.14257812, -0.12402344,
         0.20703125, -0.2421875 , -0.23242188, -0.00100708,  0.12109375,
        -0.22558594,  0.13769531,  0.12451172, -0.08886719,  0.08642578,
        -0.16992188, -0.10839844,  0.01171875, -0.00158691,  0.01733398,
        -0.21875   , -0.12792969,  0.01635742, -0.20117188,  0.3046875 ,
         0.08544922, -0.32617188, -0.06982422,  0.16992188,  0.2734375 ,
        -0.33007812,  0.0625    ,  0.02331543, -0.07080078,  0.171875  ,
        -0.05932617,  0.03808594, -0.34179688, -0.21484375, -0.00273132,
        -0.05786133, -0.02392578,  0.06738281,  0.0480957 ,  0.13476562,
        -0.51171875, -0.13183594,  0.0703125 ,  0.01794434,  0.07470703,
        -0.08447266,  0.06640625,  0.01531982,  0.10302734, -0.06884766,
         0.11083984, -0.09326172, -0.08691406,  0.11279297,  0.0088501 ,
        -0.05761719, -0.1171875 ,  0.41015625,  0.39453125, -0.0267334 ,
         0.02160645, -0.16796875, -0.265625  , -0.07128906,  0.04443359,
        -0.28515625,  0.05834961, -0.1171875 ,  0.296875  , -0.07373047,
        -0.07080078, -0.43554688, -0.2578125 ,  0.34179688, -0.09765625,
        -0.55859375, -0.08935547,  0.08105469,  0.109375  , -0.203125  ,
         0.04736328, -0.20898438, -0.40039062, -0.0300293 , -0.0222168 ,
         0.11279297,  0.13476562, -0.20996094,  0.31640625, -0.12402344,
        -0.13574219,  0.27148438, -0.19921875,  0.18164062,  0.421875  ,
        -0.00245667, -0.33398438, -0.22070312, -0.26757812,  0.15625   ,
        -0.19921875,  0.0625    , -0.09472656, -0.140625  ,  0.09667969,
         0.09814453, -0.40625   ,  0.10546875, -0.02575684, -0.1640625 ,
        -0.03588867, -0.28710938,  0.05957031,  0.2578125 ,  0.00878906,
        -0.02270508,  0.11767578,  0.28710938,  0.25      ,  0.22167969,
         0.16113281, -0.03393555,  0.13769531,  0.27539062, -0.21875   ,
```

```
        -0.07373047,  0.01202393, -0.15234375, -0.22167969, -0.39648438,
         0.10351562,  0.00778198,  0.06005859, -0.2421875 ,  0.26171875,
        -0.00704956, -0.34960938, -0.18554688,  0.13183594,  0.10839844,
         0.16796875,  0.03125   , -0.13476562, -0.05126953,  0.25      ,
        -0.06738281,  0.22558594,  0.22070312, -0.09228516,  0.04370117,
        -0.21972656, -0.29492188, -0.25      , -0.38671875, -0.21972656,
         0.20703125, -0.16503906,  0.27734375,  0.22460938,  0.02819824,
        -0.38671875, -0.30859375, -0.23730469, -0.11816406, -0.19628906,
         0.1171875 , -0.04052734,  0.21777344,  0.17578125,  0.05566406,
        -0.27148438,  0.12402344, -0.04492188, -0.17480469, -0.328125  ,
        -0.203125  ,  0.09277344, -0.03344727,  0.19726562, -0.12695312,
         0.10009766, -0.203125  ,  0.01446533,  0.05737305,  0.21875   ,
         0.14257812,  0.02453613,  0.03662109, -0.08203125,  0.37890625,
        -0.06201172, -0.00765991,  0.23828125,  0.11669922,  0.0703125 ,
        -0.44335938,  0.00817871, -0.29882812,  0.00823975, -0.10498047,
        -0.06445312, -0.08789062,  0.09326172, -0.37109375,  0.19335938,
        -0.15917969,  0.03613281, -0.06884766,  0.04907227,  0.03393555,
        -0.00848389,  0.12304688, -0.19433594, -0.24121094,  0.11914062,
        -0.06689453, -0.21289062,  0.11132812, -0.26953125, -0.13378906,
        -0.27734375, -0.17285156, -0.25390625,  0.27929688, -0.01977539,
        -0.46875   ,  0.265625  , -0.02233887, -0.296875  ,  0.28320312,
         0.20507812, -0.27148438, -0.14746094,  0.3359375 , -0.19824219,
         0.10644531,  0.0378418 ,  0.00646973, -0.33398438,  0.16601562,
        -0.08789062,  0.16699219, -0.08642578, -0.2578125 , -0.03271484,
        -0.05249023,  0.21289062,  0.05053711, -0.23730469,  0.10986328,
        -0.33203125, -0.11425781, -0.07470703,  0.01953125, -0.07763672,
         0.00176239,  0.0222168 , -0.16113281,  0.26953125,  0.04492188,
        -0.25      ,  0.17871094, -0.27148438,  0.10986328,  0.07763672,
         0.06005859,  0.10986328, -0.06640625,  0.06054688, -0.16210938],
       dtype=float32),
 'invention': array([ 5.88378906e-02, -1.38671875e-01,  9.03320312e-02,  1.
05468750e-01,
        -3.68652344e-02,  1.70898438e-02,  1.72851562e-01, -4.62890625e-01,
         1.27929688e-01,  8.59375000e-02,  4.51660156e-02, -2.75390625e-01,
        -6.07910156e-02, -1.26953125e-01, -7.56835938e-02,  3.44238281e-02,
         2.09960938e-01,  6.10351562e-02,  7.56835938e-02,  1.40625000e-01,
        -1.01562500e-01,  9.27734375e-02, -9.27734375e-02,  1.05957031e-01,
        -8.44726562e-02,  1.88476562e-01, -4.83398438e-02, -3.51562500e-02,
        -1.52587891e-02,  1.33789062e-01,  3.97949219e-02, -2.94921875e-01,
         2.14843750e-01,  1.60156250e-01,  3.63281250e-01,  1.44531250e-01,
         1.78710938e-01, -2.07031250e-01,  3.32031250e-01,  1.20605469e-01,
         4.46777344e-02,  4.76562500e-01,  1.12304688e-01,  1.19018555e-02,
         7.71484375e-02, -4.19921875e-02, -2.37304688e-01,  8.54492188e-02,
        -8.64257812e-02, -2.69775391e-02, -2.91015625e-01,  9.33837891e-03,
        -1.39648438e-01, -2.77343750e-01,  2.14843750e-01,  7.61718750e-02,
         2.03125000e-01, -6.17187500e-01, -7.22656250e-02, -8.98437500e-02,
         3.39355469e-02, -4.58984375e-02, -1.79687500e-01, -3.49609375e-01,
         1.51977539e-02, -3.73535156e-02, -3.10546875e-01, -1.36718750e-01,
        -2.40478516e-02,  4.17480469e-02, -3.61328125e-02, -1.64062500e-01,
        -3.01513672e-02, -1.52343750e-01, -4.51660156e-02, -5.93261719e-02,
        -2.55126953e-02,  1.90429688e-01, -2.50244141e-02, -4.66308594e-02,
         2.17773438e-01, -1.37695312e-01,  2.01171875e-01,  4.95605469e-02,
         6.15234375e-02,  8.39843750e-02,  2.24609375e-01,  3.32031250e-01,
        -1.42578125e-01,  5.64575195e-03, -1.96289062e-01, -7.12890625e-02,
        -2.11914062e-01, -1.62109375e-01,  2.26562500e-01,  2.32421875e-01,
        -1.94335938e-01, -1.56250000e-01,  3.41796875e-01,  6.88476562e-02,
        -1.32812500e-01, -4.56542969e-02,  4.37011719e-02,  6.39648438e-02,
         1.04980469e-01, -2.94189453e-02, -2.96875000e-01,  1.98242188e-01,
        -9.22851562e-02,  7.86132812e-02,  2.67333984e-02,  3.71093750e-01,
         7.71484375e-02,  1.56250000e-01,  8.69140625e-02, -1.96289062e-01,
         6.49414062e-02, -9.86328125e-02, -2.74658203e-02, -1.50390625e-01,
         7.71484375e-02, -5.34057617e-03, -7.53784180e-03, -2.37304688e-01,
        -7.71484375e-02,  1.02539062e-01, -2.50000000e-01, -4.61425781e-02,
         9.03320312e-03,  2.08984375e-01,  1.48437500e-01, -5.34667969e-02,
```

```
        -2.46093750e-01,  3.71093750e-02,  5.34667969e-02,  1.60156250e-01,
        -4.90722656e-02, -1.61132812e-01, -2.63671875e-01,  2.79541016e-02,
         3.75000000e-01, -9.81445312e-02, -1.28906250e-01,  5.17578125e-02,
         1.57470703e-02,  2.15820312e-01, -5.44433594e-02,  1.20544434e-03,
        -9.08203125e-02,  4.58984375e-02,  6.34765625e-02, -3.22265625e-01,
        -1.95312500e-02,  3.58886719e-02, -1.55029297e-02, -2.01171875e-01,
        -2.45117188e-01, -4.44335938e-02,  6.34765625e-02, -2.46093750e-01,
         8.25195312e-02, -1.15234375e-01, -2.03125000e-01, -6.98242188e-02,
         1.23046875e-01, -1.14257812e-01,  2.37304688e-01, -1.17675781e-01,
        -4.37011719e-02, -1.80664062e-01,  3.41796875e-01, -2.28271484e-02,
        -1.37695312e-01, -1.31835938e-01, -2.01171875e-01, -2.02636719e-02,
         1.04003906e-01, -3.22265625e-01,  1.98364258e-03, -1.63574219e-02,
         2.01416016e-02, -1.62353516e-02, -3.93066406e-02, -3.67187500e-01,
         8.83789062e-02, -2.92968750e-02, -1.05468750e-01, -2.27539062e-01,
        -5.20019531e-02,  2.24609375e-01, -9.81445312e-02,  3.22265625e-01,
         2.13867188e-01,  8.15429688e-02, -4.85839844e-02,  1.01318359e-02,
        -3.18359375e-01, -6.59179688e-02, -2.39257812e-01, -7.56835938e-02,
        -9.47265625e-02, -5.61523438e-02, -3.85742188e-02,  2.71484375e-01,
        -6.49414062e-02,  1.10351562e-01,  5.66406250e-02,  2.64892578e-02,
        -1.72851562e-01, -9.47265625e-02,  1.11816406e-01,  1.33789062e-01,
        -1.79687500e-01, -3.19824219e-02,  1.54418945e-02,  7.47070312e-02,
         7.32421875e-02, -1.06933594e-01, -5.12695312e-02,  2.62451172e-02,
        -2.06054688e-01,  2.80761719e-02,  2.69531250e-01,  1.22558594e-01,
        -1.29882812e-01,  3.20312500e-01,  4.44335938e-02, -4.00390625e-02,
        -1.50390625e-01, -6.34765625e-02,  1.34765625e-01,  1.67968750e-01,
        -2.07519531e-02, -1.36718750e-01,  2.81982422e-02, -6.07910156e-02,
         1.25976562e-01, -4.32128906e-02,  7.66601562e-02, -1.64062500e-01,
         2.04101562e-01, -3.00781250e-01,  1.40380859e-03, -5.34667969e-02,
         3.08593750e-01,  3.47656250e-01, -1.35742188e-01,  3.75976562e-02,
         2.85156250e-01, -3.14453125e-01, -4.93164062e-02, -3.16406250e-01,
         2.26562500e-01,  2.03857422e-02,  1.45912170e-04,  1.54876709e-03,
         2.61230469e-02, -8.74023438e-02, -8.98437500e-02, -3.71093750e-02,
         7.71484375e-02, -2.38037109e-03, -2.08007812e-01,  3.71093750e-02,
        -6.98242188e-02,  1.54296875e-01,  1.70898438e-01, -3.33984375e-01,
        -2.83203125e-01, -1.61132812e-01,  6.73828125e-02, -8.54492188e-02,
         1.99218750e-01, -1.45507812e-01,  5.34667969e-02, -1.11328125e-01,
        -1.62109375e-01,  1.63085938e-01,  3.29589844e-02,  1.27563477e-02,
         1.48437500e-01,  2.61718750e-01,  3.47656250e-01,  7.47070312e-02,
        -5.88378906e-02,  1.32812500e-01,  1.58203125e-01,  1.35742188e-01,
        -1.56250000e-01,  2.81250000e-01, -3.08593750e-01, -1.16699219e-01,
        -4.84375000e-01, -1.85546875e-01, -6.03027344e-02, -8.59375000e-02,
         6.20117188e-02, -4.02832031e-02, -1.87500000e-01, -8.48388672e-0
3],
       dtype=float32),
 'revolutionized': array([ 0.109375  , -0.04541016,  0.03015137, -0.0883789
1, -0.06542969,
        -0.1171875 , -0.24121094, -0.38867188,  0.03491211, -0.1484375 ,
         0.03686523, -0.2890625 ,  0.04296875, -0.16699219,  0.11962891,
         0.10302734,  0.30273438,  0.28710938,  0.22363281,  0.0213623 ,
        -0.07226562,  0.01672363,  0.03320312,  0.08740234, -0.0065918 ,
         0.45898438,  0.19726562,  0.21679688,  0.07177734, -0.18457031,
         0.02441406, -0.16113281,  0.109375  ,  0.16796875,  0.65234375,
         0.31640625,  0.01202393, -0.296875  ,  0.11132812, -0.01123047,
        -0.17871094,  0.06689453,  0.04589844, -0.02648926,  0.47265625,
        -0.16015625, -0.23535156, -0.06176758,  0.37695312, -0.03344727,
        -0.12597656, -0.1875    ,  0.0222168 , -0.5546875 , -0.17675781,
         0.21386719,  0.03979492, -0.30078125,  0.29492188, -0.03686523,
        -0.19628906,  0.20605469,  0.02246094, -0.21679688,  0.11621094,
        -0.09863281, -0.20800781,  0.22070312,  0.04638672,  0.07080078,
        -0.29101562, -0.15039062,  0.28125   ,  0.24707031, -0.3359375 ,
        -0.25      ,  0.16503906, -0.03833008, -0.18359375,  0.17480469,
         0.07958984, -0.00631714,  0.15917969,  0.12158203, -0.07226562,
        -0.00170898, -0.11328125,  0.02294922,  0.09228516,  0.15136719,
         0.00653076,  0.11962891,  0.21582031, -0.23925781, -0.07910156,
```

```
         0.00915527, -0.24511719, -0.01904297,  0.265625  , -0.06494141,
         0.16113281,  0.12597656, -0.375     ,  0.24804688, -0.31445312,
        -0.06689453, -0.078125  ,  0.20507812,  0.17773438, -0.20898438,
        -0.12353516,  0.43945312,  0.11962891,  0.09179688,  0.4765625 ,
        -0.0480957 , -0.25585938, -0.21972656,  0.22851562,  0.00842285,
         0.0390625 ,  0.04467773, -0.15625   ,  0.01556396,  0.05712891,
        -0.06494141,  0.0703125 ,  0.22753906, -0.22753906,  0.3984375 ,
         0.05322266, -0.01928711, -0.06884766,  0.01507568,  0.39453125,
         0.27734375,  0.15625   ,  0.12988281, -0.27734375, -0.07666016,
         0.1328125 , -0.078125  ,  0.03466797,  0.390625  , -0.28515625,
        -0.14746094,  0.12890625, -0.15234375,  0.15136719, -0.02453613,
         0.09765625,  0.11035156, -0.46875   ,  0.06689453, -0.05761719,
         0.06005859, -0.15820312,  0.14355469, -0.15039062, -0.4140625 ,
         0.0456543 , -0.00686646, -0.09375   , -0.08105469, -0.00145721,
        -0.00836182, -0.25195312, -0.20996094, -0.17871094, -0.0546875 ,
         0.16308594,  0.08105469,  0.10351562,  0.22460938,  0.234375  ,
         0.14355469,  0.10742188, -0.04663086, -0.2734375 ,  0.359375  ,
        -0.33984375,  0.02636719,  0.05224609, -0.35546875, -0.12451172,
         0.1484375 ,  0.19335938,  0.04736328, -0.390625  ,  0.140625  ,
        -0.00518799,  0.421875  ,  0.20019531,  0.04077148,  0.05786133,
        -0.05102539, -0.05786133,  0.04956055,  0.10302734, -0.07226562,
         0.00500488,  0.04418945,  0.234375  ,  0.18359375, -0.06396484,
         0.11376953,  0.2109375 , -0.16210938, -0.33007812, -0.11328125,
        -0.13085938,  0.02819824, -0.04711914, -0.00878906,  0.28320312,
        -0.22558594,  0.25390625, -0.02050781, -0.18066406, -0.12353516,
        -0.20214844, -0.03833008,  0.04321289, -0.0098877 ,  0.09716797,
         0.171875  , -0.10253906, -0.38085938, -0.453125  , -0.125     ,
        -0.14648438,  0.01757812,  0.22167969,  0.13671875,  0.03613281,
        -0.17675781, -0.14550781, -0.00799561, -0.00830078, -0.04736328,
         0.16210938, -0.31640625, -0.04248047, -0.07080078, -0.09619141,
         0.12255859,  0.00637817,  0.2578125 ,  0.0222168 , -0.6171875 ,
         0.34375   , -0.18847656,  0.23046875,  0.140625  ,  0.15820312,
         0.10107422, -0.28710938, -0.03027344,  0.12597656, -0.44335938,
         0.04736328, -0.21484375, -0.06884766,  0.12695312,  0.17578125,
         0.14160156,  0.22851562, -0.34570312,  0.16992188,  0.12158203,
        -0.2109375 ,  0.38867188, -0.359375  , -0.29296875,  0.09912109,
        -0.3125    , -0.1484375 ,  0.27734375, -0.04443359, -0.29492188,
        -0.07910156,  0.58203125, -0.06030273,  0.20996094,  0.04638672,
         0.23730469, -0.15039062,  0.1875    ,  0.08691406,  0.26953125,
        -0.3203125 , -0.0625    , -0.18359375, -0.04541016, -0.12792969,
        -0.28515625,  0.06347656, -0.11865234, -0.27734375,  0.24316406],
       dtype=float32),
 'century': array([ 0.04418945,  0.30273438,  0.0234375 ,  0.40234375,  0.0
4174805,
        -0.32617188,  0.13378906, -0.25390625,  0.48242188,  0.00592041,
         0.07714844, -0.20703125,  0.32421875, -0.02368164,  0.19726562,
         0.11523438, -0.05371094, -0.11962891, -0.13867188,  0.15234375,
        -0.17578125, -0.2890625 ,  0.20410156, -0.30664062, -0.12109375,
         0.44140625,  0.06591797,  0.16796875, -0.0213623 , -0.06201172,
         0.02368164, -0.09179688, -0.25390625,  0.20898438,  0.29101562,
         0.421875  , -0.15917969, -0.20898438,  0.22753906,  0.12597656,
         0.02868652, -0.00515747,  0.19140625, -0.06738281,  0.16796875,
         0.11523438,  0.06591797,  0.21484375, -0.05444336,  0.05639648,
         0.10449219, -0.09521484, -0.23242188, -0.36523438, -0.0072937 ,
         0.23925781, -0.01904297, -0.20605469, -0.15429688, -0.17773438,
         0.13867188,  0.04711914, -0.18457031, -0.36132812, -0.29101562,
         0.17773438,  0.09375   , -0.10253906,  0.06787109, -0.04321289,
        -0.06884766, -0.03417969, -0.33203125, -0.11132812, -0.15820312,
        -0.15722656,  0.14941406,  0.0100708 ,  0.328125  , -0.14550781,
         0.11523438, -0.21484375, -0.25390625,  0.02758789, -0.1875    ,
         0.31445312, -0.09326172, -0.13769531, -0.01928711,  0.203125  ,
        -0.0098877 , -0.18652344, -0.34960938,  0.02807617, -0.44726562,
        -0.04223633, -0.08544922, -0.15332031,  0.09863281, -0.09619141,
        -0.03173828, -0.03271484, -0.25      , -0.06542969, -0.01586914,
```

```
        -0.26953125, -0.16308594,  0.21191406, -0.046875  ,  0.06738281,
         0.04174805,  0.29492188, -0.09863281,  0.10107422,  0.12207031,
        -0.33789062, -0.22949219, -0.13476562, -0.02478027,  0.1328125 ,
        -0.08056641,  0.13183594,  0.0291748 ,  0.01239014, -0.08203125,
        -0.00994873,  0.34570312, -0.16015625, -0.21289062,  0.35351562,
        -0.11572266, -0.16210938, -0.203125  , -0.0112915 , -0.28125   ,
         0.16992188, -0.27539062, -0.08398438, -0.35351562,  0.16894531,
         0.17285156, -0.40429688, -0.15722656,  0.35546875, -0.15722656,
         0.15722656,  0.04101562,  0.05834961, -0.04956055,  0.10546875,
        -0.08007812, -0.26367188, -0.3203125 ,  0.11621094,  0.05615234,
        -0.12597656, -0.15039062,  0.0612793 ,  0.21484375, -0.3828125 ,
        -0.11035156,  0.02868652,  0.0324707 , -0.46875   ,  0.16015625,
         0.11474609,  0.10595703, -0.22460938,  0.0279541 , -0.06396484,
        -0.29101562,  0.24804688,  0.08056641, -0.36914062,  0.03808594,
        -0.04785156, -0.31445312,  0.2265625 ,  0.10302734, -0.09667969,
        -0.35351562, -0.00982666, -0.11230469, -0.17675781, -0.26171875,
         0.13476562,  0.04516602, -0.30273438,  0.25      ,  0.20214844,
         0.12060547,  0.34765625,  0.13574219, -0.06787109, -0.09082031,
         0.04174805, -0.04296875,  0.09179688,  0.20117188,  0.14453125,
        -0.12792969,  0.11523438, -0.06445312,  0.10693359,  0.28710938,
         0.20605469,  0.08935547, -0.09765625, -0.17382812,  0.02893066,
        -0.07910156,  0.10107422, -0.09423828, -0.09472656,  0.09863281,
        -0.10107422, -0.17578125,  0.06005859,  0.00872803,  0.2890625 ,
        -0.09423828, -0.03808594,  0.28710938, -0.03710938,  0.05541992,
        -0.02612305,  0.06982422, -0.13085938, -0.15039062, -0.09960938,
        -0.03344727,  0.19042969,  0.14160156, -0.02075195,  0.13574219,
        -0.09033203, -0.01342773, -0.0057373 ,  0.24804688, -0.07470703,
         0.39257812, -0.02453613,  0.328125  , -0.18847656, -0.15917969,
        -0.06347656,  0.36328125,  0.15429688,  0.00830078,  0.09130859,
         0.16113281,  0.23925781, -0.12109375,  0.12304688,  0.20996094,
        -0.25195312, -0.2890625 , -0.28125   , -0.12890625,  0.125     ,
        -0.23730469, -0.00964355,  0.09033203,  0.25390625,  0.14453125,
         0.01977539,  0.10302734,  0.01733398, -0.05712891, -0.20898438,
         0.23242188,  0.02929688,  0.22460938, -0.00775146, -0.08300781,
        -0.40625   , -0.09619141, -0.2890625 , -0.09375   , -0.20214844,
        -0.06298828,  0.21191406,  0.11035156,  0.26367188,  0.17089844,
         0.03039551,  0.02246094,  0.29296875, -0.11669922,  0.11425781,
        -0.04394531, -0.04492188, -0.22558594,  0.0546875 ,  0.05419922,
        -0.45117188, -0.15722656,  0.27929688,  0.25195312,  0.14160156],
       dtype=float32),
 'going': array([ 0.15136719,  0.2421875 ,  0.09326172,  0.15625   , -0.104
00391,
         0.01062012,  0.04614258, -0.10058594,  0.13183594,  0.13574219,
        -0.0088501 , -0.06079102, -0.10107422, -0.15527344, -0.19042969,
        -0.04833984,  0.09716797,  0.08740234,  0.15625   , -0.09765625,
        -0.21777344,  0.05981445,  0.24609375, -0.05712891,  0.05541992,
        -0.00427246,  0.00209045, -0.08154297, -0.04077148,  0.00494385,
         0.04394531,  0.06079102,  0.08300781, -0.15722656, -0.05249023,
         0.00567627, -0.03662109, -0.00738525,  0.046875  ,  0.04882812,
         0.11621094, -0.15429688,  0.24511719, -0.09423828, -0.11865234,
         0.01806641,  0.0859375 , -0.12011719, -0.0378418 , -0.05810547,
        -0.05151367,  0.23632812,  0.00952148,  0.05151367,  0.14160156,
         0.03881836,  0.03515625, -0.01165771,  0.23632812, -0.125     ,
        -0.02368164,  0.00540161, -0.08886719, -0.09179688, -0.00134277,
         0.00946045, -0.02160645,  0.26953125, -0.02319336, -0.12597656,
        -0.02722168,  0.04443359,  0.13183594, -0.00053406, -0.2734375 ,
        -0.12158203,  0.12109375,  0.15917969, -0.05786133,  0.07617188,
         0.02868652, -0.11083984,  0.09082031,  0.0625    , -0.01745605,
        -0.12988281, -0.00860596,  0.28710938,  0.07861328,  0.05737305,
         0.15527344,  0.10253906, -0.00384521, -0.11279297, -0.1484375 ,
        -0.17578125,  0.22558594,  0.10644531, -0.01190186, -0.01495361,
        -0.265625  ,  0.04443359,  0.08203125, -0.00286865, -0.06201172,
        -0.02966309, -0.10351562, -0.17285156, -0.03063965, -0.00315857,
         0.00352478, -0.16503906, -0.15625   , -0.015625  ,  0.02160645,
```

```
         0.03686523,  0.11328125, -0.01611328,  0.11425781,  0.05029297,
        -0.15332031,  0.08398438,  0.05517578,  0.14648438, -0.03173828,
        -0.03588867, -0.1796875 , -0.06542969, -0.23730469, -0.10595703,
        -0.07373047, -0.15332031, -0.12988281,  0.15039062, -0.05664062,
        -0.19824219,  0.10546875,  0.16113281,  0.09130859,  0.20605469,
        -0.04443359, -0.08203125,  0.1796875 , -0.01672363,  0.06689453,
         0.16601562, -0.13183594, -0.31445312, -0.03442383, -0.15039062,
        -0.03491211,  0.19824219, -0.12597656,  0.12255859,  0.02709961,
         0.09912109,  0.03515625, -0.10498047, -0.1328125 ,  0.16796875,
         0.0135498 ,  0.09619141,  0.11816406,  0.171875  , -0.02368164,
        -0.19921875,  0.01623535,  0.00759888,  0.20703125, -0.13183594,
        -0.2421875 , -0.03588867,  0.04785156, -0.0859375 , -0.0612793 ,
         0.04321289,  0.15039062, -0.06152344, -0.0291748 ,  0.19433594,
        -0.0025177 , -0.07617188,  0.15820312,  0.17285156,  0.03881836,
        -0.10107422, -0.02526855,  0.11865234,  0.25585938, -0.08007812,
         0.22363281,  0.22363281,  0.11230469,  0.046875  , -0.05004883,
         0.03222656, -0.09130859,  0.12158203, -0.03930664, -0.15136719,
         0.01904297,  0.09814453,  0.06933594,  0.0480957 ,  0.03027344,
         0.23632812, -0.08154297, -0.1328125 ,  0.11816406, -0.00811768,
         0.012146  ,  0.27539062, -0.02368164,  0.04223633, -0.05712891,
        -0.01177979,  0.203125  ,  0.0324707 , -0.09179688,  0.02832031,
        -0.0859375 ,  0.03344727, -0.04052734, -0.00031662,  0.13183594,
        -0.12060547,  0.27539062, -0.01672363, -0.0612793 ,  0.00878906,
        -0.08447266, -0.10009766,  0.01586914,  0.1015625 , -0.03759766,
        -0.00823975, -0.10205078, -0.12988281,  0.22753906,  0.06640625,
         0.16113281,  0.10498047, -0.07910156, -0.125     , -0.07666016,
        -0.08398438, -0.10449219,  0.05737305,  0.17675781, -0.0456543 ,
         0.01409912,  0.00256348,  0.22167969,  0.0189209 ,  0.17285156,
        -0.07324219,  0.03063965, -0.0390625 , -0.12207031, -0.20703125,
        -0.1953125 ,  0.02587891,  0.09326172,  0.05297852,  0.02404785,
         0.02563477,  0.1875    , -0.04296875, -0.05688477,  0.15136719,
        -0.0071106 ,  0.19042969,  0.25976562,  0.22558594,  0.03466797,
        -0.06201172,  0.00759888, -0.0016098 , -0.09326172,  0.04199219,
        -0.1484375 , -0.23730469, -0.08300781,  0.09912109, -0.05712891,
        -0.08496094,  0.09765625, -0.08007812,  0.22363281,  0.05395508,
        -0.23925781,  0.16308594, -0.24707031,  0.09277344,  0.0168457 ,
         0.03930664,  0.06396484, -0.06201172,  0.05517578, -0.16992188],
       dtype=float32),
 'forward': array([ 0.04101562,  0.03442383,  0.24609375,  0.08349609,  0.0
4614258,
        -0.08105469,  0.17675781, -0.17480469,  0.14941406,  0.05981445,
        -0.01782227,  0.16308594, -0.01141357,  0.14550781,  0.12451172,
        -0.17089844,  0.14257812,  0.03710938,  0.05200195, -0.14941406,
        -0.05004883,  0.0213623 ,  0.0255127 , -0.02502441,  0.03369141,
         0.29882812,  0.04321289, -0.09667969,  0.02319336,  0.15234375,
         0.15332031,  0.0291748 ,  0.08105469,  0.15039062, -0.10986328,
        -0.10351562, -0.04052734,  0.09814453, -0.1328125 ,  0.03088379,
         0.03222656, -0.06542969,  0.08740234,  0.18457031,  0.14648438,
        -0.18359375, -0.10595703, -0.0612793 ,  0.12011719, -0.02185059,
         0.171875  ,  0.21386719, -0.13867188, -0.05737305, -0.10693359,
         0.18847656,  0.17871094, -0.05493164,  0.00933838, -0.03491211,
        -0.32421875, -0.12158203, -0.33789062, -0.11328125, -0.09521484,
         0.16113281,  0.21582031,  0.359375  , -0.00299072,  0.36523438,
        -0.13769531, -0.26757812,  0.00735474, -0.05395508,  0.03662109,
        -0.02050781,  0.15039062,  0.02856445,  0.27734375,  0.16503906,
        -0.00494385,  0.03857422,  0.15527344, -0.18359375,  0.42382812,
        -0.16796875, -0.29492188,  0.04418945,  0.421875  ,  0.16015625,
         0.1328125 ,  0.14257812,  0.00056076, -0.14257812,  0.21289062,
        -0.05786133,  0.12597656, -0.05859375, -0.08837891, -0.10351562,
        -0.04345703, -0.04101562,  0.33789062,  0.09570312, -0.13867188,
        -0.14746094,  0.16308594, -0.09619141,  0.09863281,  0.04711914,
        -0.07324219,  0.265625  ,  0.12060547,  0.17578125,  0.109375  ,
         0.10107422,  0.17480469,  0.03295898,  0.15039062,  0.07910156,
         0.01928711, -0.01086426, -0.16210938,  0.12304688, -0.27148438,
```

```
        -0.0625    , -0.38476562,  0.02490234, -0.12695312,  0.10205078,
        -0.21972656, -0.13867188, -0.11376953,  0.09814453, -0.15917969,
         0.22851562,  0.27539062,  0.18457031,  0.05224609,  0.51171875,
        -0.02734375, -0.03369141,  0.00299072,  0.1328125 , -0.05566406,
        -0.11474609,  0.00183105,  0.02966309,  0.03735352,  0.09228516,
         0.26367188,  0.21191406, -0.21191406,  0.25585938,  0.2421875 ,
         0.46484375,  0.01416016, -0.01055908,  0.12597656,  0.06689453,
        -0.02807617,  0.13476562,  0.15136719,  0.19140625,  0.20214844,
        -0.04833984,  0.05761719,  0.04370117, -0.03930664,  0.0055542 ,
         0.0279541 , -0.04760742,  0.04223633,  0.01361084,  0.15917969,
        -0.11132812,  0.27929688,  0.05273438,  0.03198242,  0.08496094,
         0.00067902, -0.00747681,  0.15527344, -0.04663086, -0.05395508,
        -0.18554688,  0.0045166 ,  0.22363281,  0.01074219,  0.04663086,
         0.06396484,  0.14648438,  0.10449219, -0.16894531,  0.07324219,
         0.1171875 , -0.10498047,  0.20214844, -0.05737305, -0.24609375,
        -0.04418945, -0.19335938,  0.18554688,  0.10302734, -0.09423828,
        -0.08398438,  0.16601562, -0.03112793,  0.04492188,  0.15136719,
        -0.00662231,  0.07128906,  0.02416992,  0.12109375, -0.06225586,
         0.03491211,  0.02954102,  0.03930664, -0.00073624,  0.04663086,
        -0.06933594, -0.07421875, -0.16796875,  0.07958984,  0.09082031,
        -0.16308594, -0.03637695,  0.07617188,  0.13671875, -0.05908203,
         0.125     ,  0.14355469,  0.14648438, -0.03930664, -0.10595703,
         0.00234985, -0.12109375,  0.07910156,  0.06738281,  0.3671875 ,
        -0.16210938,  0.10839844, -0.17089844, -0.08300781,  0.08154297,
         0.21679688, -0.08984375, -0.25195312, -0.01660156,  0.12255859,
        -0.02636719,  0.10009766,  0.05102539, -0.0222168 , -0.1328125 ,
        -0.13476562,  0.07568359,  0.18847656, -0.40039062, -0.16601562,
         0.00939941,  0.05664062, -0.01092529, -0.07910156,  0.1875    ,
         0.17089844, -0.00848389,  0.00994873, -0.21777344, -0.21289062,
         0.11767578,  0.19726562,  0.1953125 , -0.07910156,  0.23242188,
         0.07958984, -0.04101562, -0.19042969,  0.00202942, -0.13867188,
        -0.23925781, -0.09667969, -0.15234375,  0.15722656, -0.00154877,
         0.24609375, -0.14648438, -0.22167969,  0.12695312, -0.09765625,
         0.09277344,  0.09326172, -0.01879883,  0.00723267, -0.23730469,
         0.18457031,  0.07910156,  0.3046875 , -0.1953125 , -0.20214844],
       dtype=float32),
 'tomorrow': array([-2.00195312e-02,  1.13525391e-02,  1.88476562e-01, -1.8
2617188e-01,
         4.73632812e-02,  4.10156250e-02,  1.78222656e-02,  2.00271606e-04,
         8.88671875e-02,  1.01074219e-01, -3.71093750e-02,  1.74804688e-01,
         7.86132812e-02,  7.41577148e-03, -1.48437500e-01,  1.97265625e-01,
         1.52343750e-01,  1.21582031e-01,  2.83203125e-01,  7.61718750e-02,
        -7.95898438e-02, -4.05273438e-02,  7.86132812e-02, -4.19921875e-02,
        -1.14257812e-01,  1.81640625e-01,  1.15722656e-01, -1.16210938e-01,
         3.46679688e-02,  3.90625000e-02,  2.23388672e-02,  7.27539062e-02,
        -1.22558594e-01, -2.26562500e-01, -3.11279297e-02,  1.70898438e-01,
        -5.90820312e-02,  3.97949219e-02,  4.39453125e-02, -1.62109375e-01,
        -6.25000000e-02, -3.67187500e-01,  4.19921875e-01,  9.57031250e-02,
         5.56640625e-02, -3.83300781e-02,  3.87573242e-03,  1.23291016e-02,
        -1.10351562e-01, -2.67333984e-02,  7.47070312e-02,  3.78906250e-01,
         2.41699219e-02,  1.66015625e-01,  5.59082031e-02, -2.10937500e-01,
        -7.37304688e-02, -2.75390625e-01,  2.28515625e-01, -6.29882812e-02,
        -2.51953125e-01, -1.27929688e-01, -1.14746094e-01, -1.92382812e-01,
        -2.99072266e-02,  3.71093750e-02, -1.38549805e-02,  3.16406250e-01,
         9.47265625e-02,  5.56640625e-02,  1.90429688e-02,  2.08984375e-01,
         2.61718750e-01, -2.73437500e-02, -5.83496094e-02, -2.07519531e-02,
         2.89306641e-02,  8.00781250e-02,  5.05371094e-02, -7.22656250e-02,
         7.95898438e-02, -1.25976562e-01,  1.46484375e-01,  1.66015625e-02,
         2.19726562e-01, -1.41601562e-01, -1.56250000e-01,  4.49218750e-02,
         1.61132812e-01,  2.79296875e-01,  1.50390625e-01, -3.29589844e-02,
        -9.42382812e-02, -2.02148438e-01, -3.41796875e-01, -3.26171875e-01,
         2.31445312e-01,  9.42382812e-02,  1.09863281e-02, -3.24218750e-01,
         1.05468750e-01, -3.46679688e-02,  1.74804688e-01, -4.68750000e-02,
        -2.71484375e-01, -2.75390625e-01, -8.74023438e-02, -1.03515625e-01,
```

```
        -2.23388672e-02, -4.95605469e-02,  3.02734375e-01, -1.04980469e-01,
        -2.39257812e-02, -1.14746094e-01, -8.34960938e-02, -4.69970703e-03,
         1.32812500e-01, -9.57031250e-02, -8.88671875e-02,  1.63085938e-01,
         9.47265625e-02, -8.34960938e-02,  1.31835938e-01,  1.12792969e-01,
        -8.69140625e-02, -4.83398438e-02, -2.94921875e-01,  5.98144531e-02,
        -1.78710938e-01, -6.98242188e-02, -6.00585938e-02, -1.38671875e-01,
        -2.24609375e-02, -1.64062500e-01, -2.22656250e-01, -1.49414062e-01,
         2.03125000e-01,  2.00195312e-01,  2.53906250e-02,  3.33984375e-01,
         1.55273438e-01,  1.95312500e-02,  2.11914062e-01, -3.51562500e-01,
        -3.46679688e-02,  5.95703125e-02,  1.20239258e-02, -3.65234375e-01,
         2.19726562e-02, -5.24902344e-02, -7.27539062e-02,  1.06445312e-01,
        -7.03125000e-02, -4.83398438e-02,  1.66992188e-01, -2.73437500e-01,
         6.88476562e-02, -1.26953125e-01, -2.30468750e-01, -6.34765625e-02,
         3.54003906e-02, -1.68945312e-01,  3.27148438e-02,  4.58984375e-02,
         2.87109375e-01, -1.19140625e-01,  1.78710938e-01,  1.25000000e-01,
         2.56347656e-02, -1.37695312e-01, -1.30859375e-01,  6.34765625e-02,
         2.16064453e-02,  3.63159180e-03, -2.23388672e-02, -9.03320312e-02,
         2.02148438e-01, -7.61718750e-02,  9.66796875e-02,  2.62451172e-02,
        -1.86523438e-01, -1.29882812e-01, -1.10351562e-01,  7.42187500e-02,
        -2.29492188e-01,  6.64062500e-02,  1.13769531e-01, -4.76074219e-02,
         2.83203125e-01, -1.24023438e-01,  1.16210938e-01,  1.96289062e-01,
        -1.79443359e-02, -9.81445312e-02, -5.10253906e-02, -8.98437500e-02,
         1.78222656e-02, -1.69677734e-02, -1.28906250e-01,  8.60595703e-03,
         3.19824219e-02,  1.33056641e-02, -1.32812500e-01, -7.17163086e-03,
         5.95703125e-02,  7.91015625e-02, -6.54296875e-02,  1.97265625e-01,
         2.51953125e-01, -6.34765625e-02, -7.81250000e-02, -4.29687500e-02,
         1.79687500e-01, -9.61914062e-02, -1.83593750e-01, -7.61718750e-02,
        -8.78906250e-03, -2.43164062e-01, -2.98828125e-01,  5.22460938e-02,
         3.08837891e-02, -1.24511719e-01, -2.47802734e-02,  1.66015625e-02,
        -8.69140625e-02, -3.14453125e-01, -1.49414062e-01,  1.29882812e-01,
        -1.71875000e-01,  4.95605469e-02,  9.57031250e-02,  5.78613281e-02,
        -7.56835938e-02,  4.02832031e-03,  1.87500000e-01,  8.78906250e-02,
        -1.59179688e-01, -6.37817383e-03,  1.45507812e-01,  1.67968750e-01,
         1.70898438e-01,  1.34277344e-02, -1.13769531e-01,  6.25610352e-03,
        -2.38281250e-01, -1.55273438e-01,  5.61523438e-03,  4.63867188e-02,
         1.79687500e-01, -4.39453125e-03, -1.80664062e-01,  1.41601562e-01,
         1.66992188e-01,  3.69262695e-03,  9.81445312e-02, -2.36816406e-02,
         2.55859375e-01,  7.66601562e-02, -9.32617188e-02, -3.27148438e-02,
         2.19726562e-03, -1.00097656e-02,  1.11816406e-01,  8.23974609e-03,
         1.46484375e-01,  1.47460938e-01,  1.32446289e-02,  4.61425781e-02,
         1.68457031e-02, -1.20605469e-01, -1.23291016e-02,  1.90429688e-01,
         1.78710938e-01,  2.39257812e-02,  1.74804688e-01, -9.71679688e-02,
         7.22656250e-02, -1.19140625e-01, -1.15234375e-01,  1.78710938e-01,
        -1.04980469e-01, -7.51953125e-02, -8.54492188e-02,  1.11816406e-01,
         1.24023438e-01, -1.67968750e-01,  5.05371094e-02, -5.24902344e-02,
         9.09423828e-03,  3.51562500e-02,  1.80664062e-01, -1.37695312e-01,
        -2.81250000e-01,  2.06298828e-02, -2.33154297e-02,  7.32421875e-04,
        -9.22851562e-02, -2.19726562e-02,  7.66601562e-02, -1.68945312e-0
1],
       dtype=float32),
 'push': array([ 0.05102539,  0.16894531, -0.13183594, -0.10546875, -0.0498
0469,
        -0.1484375 , -0.03076172, -0.0402832 ,  0.00111389,  0.07324219,
        -0.18457031,  0.06396484, -0.00442505, -0.01879883, -0.0625    ,
        -0.10400391,  0.14257812,  0.06689453,  0.10498047, -0.15722656,
         0.12890625,  0.24707031,  0.12988281,  0.07910156,  0.10986328,
         0.01281738, -0.11621094, -0.01647949,  0.09814453,  0.07373047,
         0.04541016,  0.20410156, -0.06445312, -0.19921875, -0.06640625,
        -0.20117188,  0.16015625,  0.09814453,  0.18652344, -0.00317383,
         0.07666016, -0.03686523,  0.06298828, -0.11621094, -0.2890625 ,
        -0.1328125 , -0.1640625 , -0.12597656,  0.12109375, -0.03881836,
         0.07373047, -0.0135498 ,  0.00653076, -0.02062988,  0.12255859,
         0.22265625,  0.04003906, -0.22949219, -0.1171875 , -0.11572266,
        -0.17382812, -0.10400391, -0.16113281,  0.06640625,  0.02050781,
```

```
         0.09326172, -0.10009766,  0.25195312, -0.17675781,  0.25195312,
        -0.11132812,  0.14453125, -0.01794434,  0.00772095, -0.17773438,
        -0.24414062,  0.23828125,  0.16992188, -0.03466797,  0.10107422,
         0.04931641, -0.07568359,  0.05859375,  0.07617188,  0.2109375 ,
         0.20507812, -0.13769531,  0.06884766, -0.25976562,  0.09326172,
         0.17480469,  0.1484375 , -0.17773438, -0.14941406,  0.34570312,
        -0.03979492,  0.09082031,  0.24511719,  0.00952148,  0.06689453,
        -0.13574219, -0.01538086,  0.10302734, -0.0546875 ,  0.03735352,
        -0.1953125 , -0.07666016, -0.2421875 ,  0.07177734,  0.01916504,
         0.234375  , -0.18554688, -0.13964844,  0.01293945, -0.11669922,
         0.05615234,  0.01300049, -0.08886719, -0.01611328,  0.01574707,
         0.16308594,  0.14257812, -0.03076172,  0.32421875, -0.20019531,
        -0.03125   ,  0.15722656, -0.0088501 , -0.03295898, -0.00125885,
         0.09179688, -0.01916504,  0.20117188,  0.02453613,  0.10595703,
         0.12451172,  0.15625   ,  0.17285156, -0.13671875, -0.08740234,
         0.171875  , -0.20117188, -0.17089844, -0.04248047,  0.20117188,
         0.140625  , -0.06982422, -0.21289062, -0.04321289, -0.09277344,
         0.06347656, -0.16699219,  0.10351562,  0.14257812,  0.11035156,
        -0.09326172,  0.02490234, -0.00202942, -0.23730469, -0.04052734,
         0.01940918, -0.10546875,  0.0043335 , -0.18847656,  0.0213623 ,
        -0.1484375 ,  0.11230469, -0.07714844,  0.03833008, -0.15332031,
        -0.22851562, -0.06542969, -0.07861328, -0.14257812,  0.1328125 ,
         0.08056641,  0.04760742,  0.09667969,  0.08496094,  0.28515625,
        -0.21191406, -0.15039062, -0.03320312,  0.09277344,  0.08398438,
        -0.10595703, -0.03112793,  0.10546875,  0.17089844, -0.11962891,
         0.18261719, -0.10498047,  0.25976562,  0.06494141, -0.15527344,
         0.01806641, -0.04052734,  0.10546875, -0.13378906, -0.09716797,
        -0.04321289,  0.23632812,  0.00546265,  0.00576782,  0.06347656,
        -0.11425781,  0.19921875, -0.2890625 ,  0.14550781, -0.06396484,
         0.05688477,  0.17773438, -0.01123047,  0.29296875, -0.19335938,
        -0.07080078,  0.21972656,  0.02075195, -0.08300781, -0.10302734,
        -0.25      , -0.12890625,  0.11865234,  0.0168457 ,  0.01037598,
         0.02478027,  0.10351562, -0.08056641,  0.328125  ,  0.05908203,
        -0.03271484,  0.16601562, -0.03613281,  0.1875    , -0.07617188,
         0.18847656, -0.22363281, -0.19824219,  0.20800781, -0.07958984,
         0.17285156,  0.14160156, -0.16308594, -0.07373047,  0.10693359,
         0.08251953, -0.08105469, -0.01184082,  0.18457031,  0.21386719,
        -0.08691406,  0.13671875, -0.06176758, -0.07910156,  0.12207031,
         0.12792969,  0.02770996, -0.0559082 ,  0.0703125 ,  0.00732422,
        -0.13964844,  0.09570312, -0.06494141,  0.15722656,  0.18164062,
        -0.10986328,  0.0859375 , -0.16113281, -0.10546875, -0.0378418 ,
        -0.16113281,  0.19335938,  0.19628906, -0.14160156,  0.03149414,
        -0.06152344, -0.22167969, -0.17480469, -0.20898438,  0.10449219,
        -0.05908203, -0.00174713,  0.07617188,  0.23144531, -0.13378906,
         0.07373047, -0.18066406,  0.17285156,  0.08544922, -0.03686523,
        -0.03173828,  0.05297852, -0.02526855, -0.04125977, -0.21289062,
        -0.2109375 , -0.03100586,  0.09570312,  0.12304688, -0.13378906],
       dtype=float32),
 'boundary': array([-0.171875  , -0.13769531,  0.24609375,  0.17675781, -0.
29882812,
        -0.4453125 , -0.08251953, -0.16503906, -0.00227356, -0.01171875,
        -0.00138092, -0.25195312,  0.14453125, -0.24414062, -0.1171875 ,
        -0.03564453,  0.01513672,  0.00970459,  0.12695312, -0.02880859,
        -0.2734375 , -0.03979492,  0.04394531,  0.11181641,  0.12011719,
        -0.26757812, -0.11865234,  0.33984375,  0.29492188, -0.20117188,
        -0.08447266, -0.05200195,  0.07617188,  0.05126953, -0.16210938,
        -0.10009766, -0.05444336,  0.0065918 ,  0.59375   , -0.15332031,
        -0.08496094,  0.15234375,  0.27539062, -0.15917969, -0.20019531,
         0.18847656,  0.16894531, -0.15722656,  0.00872803, -0.08789062,
        -0.05639648, -0.1875    , -0.06396484, -0.22363281, -0.01745605,
         0.15234375, -0.16601562, -0.10888672, -0.06835938, -0.10791016,
         0.07861328, -0.15429688,  0.02856445, -0.390625  , -0.22753906,
         0.29101562, -0.04516602,  0.1015625 , -0.01965332,  0.02563477,
        -0.09912109, -0.13964844,  0.07373047, -0.46679688, -0.2734375 ,
```

```
        -0.25585938,  0.00592041, -0.01171875, -0.07373047,  0.00604248,
         0.19042969,  0.1796875 , -0.22070312,  0.10986328,  0.19628906,
         0.21679688,  0.20996094, -0.23242188,  0.3125    , -0.14648438,
         0.07958984, -0.03540039, -0.07958984,  0.234375  , -0.13183594,
         0.2578125 , -0.01794434, -0.16992188, -0.16796875,  0.09082031,
         0.03417969, -0.27148438,  0.00201416,  0.26367188,  0.22753906,
        -0.33203125,  0.10546875,  0.03173828, -0.02392578, -0.04150391,
        -0.296875  , -0.02380371,  0.34960938,  0.00082016,  0.02880859,
        -0.125     , -0.02807617,  0.30859375, -0.04931641, -0.26171875,
         0.16113281,  0.40039062, -0.11376953,  0.54296875, -0.21875   ,
        -0.03540039, -0.39257812, -0.03808594,  0.28125   , -0.12353516,
        -0.08935547, -0.00534058, -0.17871094, -0.08984375, -0.0039978 ,
         0.28515625,  0.08398438,  0.09814453,  0.02685547,  0.26367188,
         0.00367737, -0.06542969,  0.14746094,  0.43554688, -0.46289062,
         0.05541992, -0.08984375,  0.10742188, -0.13671875,  0.54296875,
        -0.07128906, -0.18554688, -0.06079102,  0.140625  , -0.09228516,
        -0.12890625,  0.02539062, -0.04931641, -0.19921875,  0.04541016,
        -0.35351562,  0.22558594,  0.13378906, -0.24804688, -0.26367188,
         0.25976562,  0.28125   , -0.28320312, -0.04370117,  0.15234375,
        -0.03222656,  0.11035156,  0.23046875, -0.09033203,  0.265625  ,
        -0.00306702, -0.12988281,  0.11181641, -0.10546875, -0.05566406,
        -0.34570312, -0.01953125,  0.06542969, -0.00289917, -0.04370117,
         0.02758789,  0.22558594,  0.08056641,  0.34765625,  0.13867188,
         0.05957031,  0.02539062,  0.04516602, -0.14257812, -0.01416016,
         0.02990723,  0.09179688,  0.07128906,  0.2109375 , -0.08837891,
         0.36523438,  0.0300293 ,  0.03808594, -0.12304688,  0.07128906,
         0.27929688,  0.12988281, -0.11962891,  0.22949219,  0.05810547,
        -0.140625  , -0.11083984, -0.21191406, -0.14160156, -0.06591797,
        -0.25976562, -0.15234375,  0.22851562, -0.04052734,  0.34570312,
        -0.07617188,  0.17285156,  0.11767578, -0.19433594, -0.06884766,
         0.17089844,  0.234375  ,  0.02246094,  0.24609375,  0.13476562,
         0.00640869, -0.02233887, -0.06054688,  0.13671875,  0.16699219,
         0.08007812,  0.04296875, -0.15332031,  0.32226562, -0.0246582 ,
         0.19238281, -0.234375  ,  0.4375    , -0.3046875 ,  0.07861328,
         0.36132812, -0.00402832,  0.14453125,  0.19042969,  0.19140625,
         0.03955078,  0.23144531,  0.10595703,  0.23339844,  0.41015625,
        -0.05908203,  0.07568359,  0.05224609,  0.11328125,  0.15527344,
        -0.04199219, -0.265625  ,  0.03442383,  0.01977539,  0.546875  ,
        -0.171875  ,  0.00454712,  0.2265625 , -0.21582031, -0.48242188,
        -0.05932617, -0.0222168 , -0.15527344,  0.09667969,  0.15820312,
         0.01348877,  0.14941406, -0.29882812, -0.07080078, -0.07617188,
         0.0703125 ,  0.15332031,  0.03710938,  0.22460938,  0.25976562,
        -0.09228516,  0.0065918 ,  0.23242188, -0.09765625,  0.26367188,
        -0.06982422, -0.01672363, -0.05932617, -0.10986328,  0.14355469,
         0.1328125 , -0.16699219,  0.13574219, -0.06494141, -0.04272461],
       dtype=float32),
 'today': array([-7.47070312e-02, -5.88378906e-02,  4.56542969e-02, -1.2988
2812e-01,
        -8.17871094e-03, -3.54003906e-02,  2.06298828e-02,  5.18798828e-03,
         1.31835938e-01,  1.55273438e-01, -7.42187500e-02, -8.30078125e-02,
         5.63964844e-02, -1.77001953e-02, -1.26342773e-02, -2.55126953e-02,
         9.61914062e-02,  2.97546387e-03,  7.71484375e-02,  5.51757812e-02,
        -1.00097656e-01, -3.58886719e-02, -4.12597656e-02, -2.07031250e-01,
        -4.15039062e-02,  1.24023438e-01,  1.60156250e-01,  5.61523438e-02,
         6.98242188e-02, -2.51464844e-02,  9.27734375e-02,  6.39648438e-02,
        -3.63769531e-02, -1.33789062e-01,  2.06298828e-02,  1.92382812e-01,
        -4.39453125e-02, -7.95898438e-02,  6.29882812e-02,  9.39941406e-03,
        -2.94189453e-02, -6.64062500e-02,  1.13281250e-01,  8.44726562e-02,
         4.68750000e-02, -3.05175781e-02,  2.92968750e-02,  4.19921875e-02,
        -1.37695312e-01,  5.22460938e-02,  5.05371094e-02,  8.39843750e-02,
        -3.39355469e-02,  1.44042969e-02, -1.87988281e-02,  4.15039062e-02,
        -1.49414062e-01, -1.56250000e-01,  4.37011719e-02, -3.90625000e-02,
        -2.27539062e-01,  4.54711914e-03, -1.15234375e-01, -1.04003906e-01,
        -3.97949219e-02,  5.82885742e-03,  1.12304688e-02,  2.48046875e-01,
```

```
         7.66601562e-02,  7.22656250e-02, -3.75976562e-02,  1.28906250e-01,
         3.69262695e-03,  7.42187500e-02,  5.39550781e-02,  2.96630859e-02,
         1.21582031e-01,  1.13281250e-01,  4.80957031e-02,  8.39843750e-02,
         6.22558594e-02, -3.58886719e-02,  8.30078125e-02,  2.24609375e-02,
         7.17773438e-02, -1.39648438e-01, -1.81640625e-01, -6.83593750e-02,
        -2.03857422e-02,  4.56542969e-02,  9.61914062e-02,  8.15429688e-02,
         5.46264648e-03, -5.27343750e-02, -3.30078125e-01, -1.76757812e-01,
         2.22167969e-02,  2.96630859e-02,  3.95507812e-02, -1.79687500e-01,
         3.29589844e-02, -4.90722656e-02,  3.27148438e-02,  1.03515625e-01,
        -1.76757812e-01, -1.42578125e-01,  1.00097656e-02, -3.46374512e-03,
        -1.08886719e-01, -9.13085938e-02,  1.43554688e-01,  4.49218750e-02,
        -1.70898438e-01, -1.48925781e-02, -3.17382812e-02,  7.37304688e-02,
         7.91015625e-02, -1.10351562e-01,  6.88476562e-02,  8.74023438e-02,
        -2.20947266e-02, -1.14257812e-01, -1.29882812e-01,  7.08007812e-03,
        -8.59375000e-02, -6.34765625e-02, -6.15234375e-02,  1.10839844e-01,
         1.59912109e-02, -8.05664062e-02,  3.97949219e-02, -7.66601562e-02,
        -1.49414062e-01, -1.04980469e-01, -2.24609375e-02, -7.27539062e-02,
         2.63671875e-01,  9.27734375e-02,  8.91113281e-03,  4.71191406e-02,
         3.29589844e-03, -3.15856934e-03,  1.66015625e-01, -1.85546875e-01,
        -1.35742188e-01, -1.23291016e-02,  9.17968750e-02, -2.34375000e-01,
        -1.03759766e-02,  3.63159180e-03, -6.49414062e-02,  2.51464844e-02,
        -3.66210938e-02, -4.41894531e-02,  2.41699219e-02, -1.46484375e-01,
        -5.85937500e-03, -1.09375000e-01, -1.46484375e-01, -6.68945312e-02,
         6.44531250e-02, -6.73828125e-02, -9.86328125e-02,  5.24902344e-02,
         1.14746094e-01, -4.85839844e-02,  9.17968750e-02,  4.39453125e-02,
        -4.00390625e-02, -6.54296875e-02,  3.75976562e-02,  3.34472656e-02,
        -9.76562500e-02, -5.76171875e-02,  1.96533203e-02, -1.35742188e-01,
         4.10156250e-02,  2.74658203e-02, -1.31225586e-03, -1.29882812e-01,
        -1.55273438e-01, -6.64062500e-02, -1.08886719e-01,  2.41699219e-02,
        -2.61230469e-02, -4.45556641e-03,  2.00195312e-02, -7.86132812e-02,
         1.19628906e-01, -2.14843750e-02,  7.56835938e-02,  1.29882812e-01,
        -1.47460938e-01, -1.56250000e-01, -9.52148438e-02, -1.75781250e-01,
        -4.95605469e-02, -5.37109375e-02,  6.17675781e-02, -6.64062500e-02,
        -9.66796875e-02, -1.73339844e-02,  1.70898438e-02,  9.46044922e-04,
         5.12695312e-02, -3.68652344e-02,  5.93261719e-02,  1.19140625e-01,
         8.59375000e-02, -5.12695312e-02,  2.67333984e-02, -6.20117188e-02,
         1.28906250e-01, -1.14746094e-02, -1.33789062e-01,  1.83593750e-01,
         8.39843750e-02, -9.52148438e-02, -1.70898438e-01,  7.71484375e-02,
         9.22851562e-02,  1.47094727e-02,  2.52685547e-02, -6.54296875e-02,
        -1.48315430e-02, -1.55273438e-01, -1.34887695e-02, -5.07812500e-02,
        -9.37500000e-02,  9.61914062e-02,  6.00585938e-02, -1.56250000e-02,
        -1.06334686e-04, -1.39648438e-01,  1.32812500e-01,  2.23388672e-02,
        -9.76562500e-02,  9.08203125e-02,  1.07910156e-01,  7.56835938e-02,
         4.51660156e-02, -1.25000000e-01, -1.31835938e-01,  4.63867188e-02,
        -3.07617188e-02, -1.94091797e-02,  7.12890625e-02,  1.10351562e-01,
         1.08886719e-01, -5.29785156e-02, -5.17578125e-02,  5.88378906e-02,
         1.07910156e-01,  8.54492188e-03,  6.59179688e-02, -4.37011719e-02,
         1.95312500e-01,  2.95410156e-02,  9.66796875e-02, -1.18652344e-01,
         2.33398438e-01, -4.85839844e-02,  1.33789062e-01,  5.15136719e-02,
         1.03515625e-01,  2.17773438e-01,  7.17773438e-02,  1.63574219e-02,
         4.58984375e-02,  8.05664062e-02, -7.76367188e-02,  1.49414062e-01,
         1.59179688e-01, -1.09375000e-01,  1.53320312e-01,  1.04370117e-02,
         8.23974609e-03, -3.34472656e-02, -4.93164062e-02, -2.27050781e-02,
        -1.17675781e-01,  9.03320312e-02, -1.26953125e-01,  4.27246094e-02,
         2.30712891e-02, -9.66796875e-02, -8.05664062e-02, -1.32812500e-01,
         6.03027344e-02,  7.22656250e-02,  3.01513672e-02, -7.61718750e-02,
        -1.48437500e-01, -2.30789185e-04,  1.18652344e-01, -1.35742188e-01,
        -3.44238281e-02,  9.37500000e-02,  2.79541016e-02, -1.15234375e-0
1],
       dtype=float32),
 'prioritize': array([-1.38549805e-02,  8.34960938e-02,  1.21582031e-01,
6.59179688e-02,
        -2.24609375e-01, -1.46484375e-01, -5.00488281e-02, -2.19726562e-02,
         4.51660156e-02, -3.04687500e-01, -1.02050781e-01, -3.29589844e-02,
```

```
 1.60156250e-01,  3.65234375e-01,  3.34167480e-03,  1.35498047e-02,
-2.24609375e-01,  5.44433594e-02, -2.16796875e-01,  1.53320312e-01,
 1.55029297e-02,  5.76171875e-02, -1.14746094e-01,  3.33984375e-01,
 2.17285156e-02, -1.07910156e-01,  2.53906250e-01,  5.90820312e-02,
 3.56674194e-04, -1.13769531e-01,  1.63085938e-01,  1.12792969e-01,
-8.54492188e-03, -3.08593750e-01, -3.75976562e-02, -2.96875000e-01,
 8.25195312e-02,  6.10351562e-02,  2.37304688e-01,  9.32617188e-02,
 1.05468750e-01,  2.47070312e-01,  1.42578125e-01,  6.54296875e-02,
-1.46484375e-01, -1.03027344e-01, -4.63867188e-03, -1.82617188e-01,
-2.50000000e-01, -2.18505859e-02,  2.89306641e-02, -3.95507812e-02,
-2.61718750e-01, -1.22558594e-01, -4.00390625e-01, -1.56250000e-01,
-3.75000000e-01, -3.10546875e-01,  3.08837891e-02,  1.55273438e-01,
-2.75390625e-01,  7.95898438e-02, -1.48437500e-01,  1.73828125e-01,
 2.09960938e-01,  6.78710938e-02, -2.45117188e-01,  1.28906250e-01,
 1.05468750e-01, -1.87500000e-01, -6.39648438e-02, -8.78906250e-02,
 2.25585938e-01, -7.17773438e-02, -9.76562500e-02, -1.67968750e-01,
-6.86645508e-03,  2.47070312e-01, -1.48437500e-01,  1.14746094e-01,
-1.92382812e-01,  2.06054688e-01,  8.78906250e-02, -2.59765625e-01,
 1.25976562e-01, -7.56835938e-02, -8.20312500e-02,  5.88378906e-02,
-1.90429688e-02,  1.90429688e-01,  2.79296875e-01, -1.26953125e-01,
-8.44726562e-02, -1.57226562e-01,  7.22656250e-02, -8.15429688e-02,
-8.98437500e-02,  8.17871094e-03,  5.71289062e-02,  6.93359375e-02,
-7.27539062e-02,  4.37011719e-02,  5.56640625e-02,  2.60009766e-02,
-1.19140625e-01, -1.63085938e-01, -2.00195312e-01, -4.88281250e-02,
 1.93359375e-01,  2.12890625e-01,  5.15136719e-02, -2.81250000e-01,
 3.39355469e-02, -8.34960938e-02,  2.85156250e-01,  3.71093750e-02,
 1.84570312e-01, -1.84570312e-01,  1.53320312e-01,  7.12890625e-02,
-1.31835938e-01,  1.20117188e-01, -1.72851562e-01,  2.30468750e-01,
-8.30078125e-02,  9.76562500e-02, -2.46093750e-01, -8.39843750e-02,
-6.39648438e-02, -7.81250000e-02,  4.95605469e-02, -1.20605469e-01,
 1.44531250e-01, -7.03125000e-02,  7.56835938e-02, -2.01171875e-01,
-1.31835938e-01,  3.08593750e-01,  1.63085938e-01,  2.78320312e-02,
 1.20605469e-01, -9.61914062e-02, -2.51953125e-01,  1.76757812e-01,
-5.73730469e-03, -8.00781250e-02, -4.76074219e-03, -1.96289062e-01,
-1.59912109e-02, -1.92382812e-01,  6.34765625e-02,  2.51953125e-01,
-2.52685547e-02,  1.08398438e-01,  5.00488281e-02, -6.78710938e-02,
-6.07910156e-02, -6.98242188e-02, -2.14843750e-01, -2.08984375e-01,
-8.97216797e-03, -2.80761719e-02, -2.49023438e-01, -5.95703125e-02,
-1.55273438e-01,  1.28906250e-01, -1.28906250e-01, -1.43554688e-01,
 2.45117188e-01, -9.03320312e-02, -3.81469727e-03,  7.42187500e-02,
-3.02734375e-01, -5.39550781e-02,  1.58203125e-01,  1.02539062e-01,
 2.89062500e-01, -2.97851562e-02, -4.25781250e-01,  2.06054688e-01,
-2.49023438e-01,  2.56347656e-02,  2.57568359e-02,  2.05993652e-03,
-7.66601562e-02, -9.42382812e-02, -1.30859375e-01,  1.70898438e-02,
-1.35498047e-02,  6.54296875e-02, -7.95898438e-02, -2.83203125e-01,
-6.00585938e-02,  2.91748047e-02,  9.47265625e-02, -2.21679688e-01,
 3.02734375e-01,  3.71093750e-02,  2.13623047e-02, -9.91210938e-02,
 1.89208984e-02,  6.34765625e-02, -4.23431396e-04, -2.00195312e-01,
-1.58203125e-01, -1.48925781e-02, -3.33984375e-01, -1.01562500e-01,
 2.71484375e-01, -3.37890625e-01,  4.88281250e-03, -6.86645508e-03,
-5.29785156e-02,  2.31445312e-01, -3.14453125e-01, -1.08886719e-01,
 1.83593750e-01, -5.59082031e-02,  2.37304688e-01,  2.23388672e-02,
-1.97265625e-01, -1.46484375e-01, -2.50244141e-02,  1.31835938e-01,
 1.07910156e-01, -1.21093750e-01,  5.51757812e-02,  9.17968750e-02,
 2.70080566e-03,  1.23535156e-01,  3.32031250e-02,  1.15234375e-01,
-2.26562500e-01, -1.97753906e-02,  1.57226562e-01, -2.42919922e-02,
-1.04492188e-01, -2.55859375e-01,  2.55126953e-02, -3.27148438e-02,
-3.53515625e-01,  1.31835938e-01, -2.61718750e-01, -1.02050781e-01,
-1.14257812e-01, -2.41210938e-01, -1.68945312e-01,  6.78710938e-02,
-3.28125000e-01, -2.53906250e-01, -3.22265625e-01,  2.69531250e-01,
-1.84570312e-01,  1.45507812e-01, -3.54003906e-02, -7.95898438e-02,
-1.34765625e-01, -1.46484375e-02, -4.61425781e-02, -2.81250000e-01,
-3.44848633e-03, -7.91015625e-02, -1.07421875e-01, -1.40625000e-01,
 1.71875000e-01,  1.11816406e-01, -1.60156250e-01,  1.00585938e-01,
```

```
        -4.51171875e-01, -2.22167969e-02, -9.17968750e-02,  3.51562500e-01,
        -6.40869141e-03,  2.35351562e-01, -5.90820312e-02,  2.97851562e-02,
        -7.22656250e-02, -3.02734375e-01, -1.43554688e-01, -9.71679688e-02,
         9.27734375e-03, -1.33789062e-01,  2.40234375e-01,  7.91015625e-02,
         8.36181641e-03,  3.28125000e-01, -6.44531250e-02,  2.16796875e-01,
         2.96875000e-01,  1.25976562e-01, -2.22167969e-02,  1.63085938e-01,
         1.43432617e-02, -3.46679688e-02, -2.92968750e-01, -9.52148438e-02,
         1.15722656e-01,  1.59179688e-01,  1.06445312e-01, -5.56640625e-0
2],
       dtype=float32),
 'rewarding': array([-1.65039062e-01,  3.29589844e-02, -1.62109375e-01,  1.
82617188e-01,
         1.38671875e-01, -1.08398438e-01,  9.32617188e-02,  1.03515625e-01,
        -1.79687500e-01, -4.44335938e-02,  2.08984375e-01, -2.89062500e-01,
         2.29492188e-01,  5.05371094e-02,  9.52148438e-02,  3.65234375e-01,
         1.74804688e-01,  2.99072266e-02, -7.38525391e-03, -4.00390625e-02,
         1.90429688e-01,  9.81445312e-02, -3.05175781e-02,  1.59179688e-01,
         1.12792969e-01, -2.53906250e-01, -6.78710938e-02, -2.70996094e-02,
        -1.61132812e-02, -2.38037109e-02,  3.14941406e-02, -5.12695312e-02,
         2.31445312e-01,  3.22265625e-02,  3.16406250e-01, -1.78710938e-01,
         1.54296875e-01, -5.10253906e-02,  2.00195312e-01, -6.98242188e-02,
         3.41796875e-01,  5.71289062e-02, -1.85546875e-01, -8.05664062e-02,
        -1.39648438e-01, -2.69775391e-02,  7.66601562e-02,  3.47656250e-01,
        -1.17187500e-01, -1.81640625e-01,  1.07421875e-01, -6.83593750e-02,
        -2.17285156e-02,  2.21679688e-01,  1.63085938e-01,  1.66992188e-01,
         1.53320312e-01, -1.92382812e-01,  1.94335938e-01, -7.17773438e-02,
        -1.07910156e-01,  1.31835938e-01, -1.34765625e-01,  1.23046875e-01,
        -5.90820312e-02,  1.31835938e-01, -4.12597656e-02, -1.73828125e-01,
        -2.42919922e-02, -1.88476562e-01,  4.49218750e-02, -1.12792969e-01,
         1.06811523e-02, -5.24902344e-02,  2.05078125e-01, -4.53125000e-01,
         1.17675781e-01,  4.45312500e-01,  2.11914062e-01,  1.80664062e-01,
        -2.31445312e-01, -3.27148438e-02, -8.30078125e-02,  1.48437500e-01,
        -7.42187500e-02, -1.47460938e-01, -2.21679688e-01,  1.08642578e-02,
         1.66992188e-01,  3.17382812e-02, -4.22363281e-02, -9.81445312e-02,
         1.04370117e-02, -3.49121094e-02,  5.21850586e-03, -1.73828125e-01,
         1.65039062e-01,  1.16699219e-01, -5.98144531e-02, -1.97265625e-01,
        -1.87500000e-01,  8.49609375e-02, -9.61914062e-02,  6.10351562e-02,
        -1.01562500e-01, -1.56250000e-01,  4.39453125e-01, -1.76757812e-01,
         2.96875000e-01, -4.14062500e-01,  5.34667969e-02,  2.35595703e-02,
         9.08203125e-02,  5.02929688e-02,  3.71093750e-01, -1.78710938e-01,
         2.55126953e-02, -1.30859375e-01, -5.12695312e-02, -4.80957031e-02,
        -1.54495239e-04,  8.69140625e-02,  7.86132812e-02, -9.39941406e-03,
        -2.07031250e-01,  1.25976562e-01, -1.02050781e-01,  7.61718750e-02,
        -2.44140625e-01,  2.42187500e-01, -2.10937500e-01, -2.08007812e-01,
        -7.76367188e-02, -1.60217285e-04, -8.25195312e-02, -5.34667969e-02,
        -6.07910156e-02, -6.93359375e-02, -9.27734375e-02,  4.00390625e-01,
         1.34277344e-02,  3.41796875e-02, -9.71679688e-02, -1.14257812e-01,
        -3.30078125e-01, -3.19824219e-02, -9.61914062e-02, -8.64257812e-02,
        -1.31835938e-01, -4.45312500e-01,  1.47460938e-01,  1.71875000e-01,
        -1.18164062e-01,  1.55273438e-01, -3.02734375e-02,  1.19140625e-01,
         2.08007812e-01,  9.76562500e-03, -2.46093750e-01, -6.29882812e-02,
        -9.39941406e-03,  1.31835938e-01, -1.59179688e-01,  2.61718750e-01,
         1.35742188e-01, -1.21093750e-01,  4.49218750e-02, -2.61718750e-01,
         5.90820312e-02,  1.08886719e-01, -1.53320312e-01,  5.46875000e-02,
        -1.42578125e-01, -1.80664062e-01, -1.55639648e-02,  1.10839844e-01,
        -1.47460938e-01,  7.08007812e-02, -2.44140625e-01, -2.67333984e-02,
        -2.79296875e-01, -4.44335938e-02, -6.49414062e-02, -1.00097656e-01,
        -3.04687500e-01, -7.37304688e-02, -1.80664062e-01,  1.75781250e-01,
        -4.46777344e-02, -2.63671875e-01, -1.53320312e-01,  2.29492188e-02,
         1.92382812e-01, -2.43164062e-01, -1.18652344e-01, -8.98437500e-02,
         1.01074219e-01,  2.13623047e-02, -3.07617188e-02, -2.02148438e-01,
         4.22363281e-02,  1.36718750e-01, -6.20117188e-02, -1.97265625e-01,
        -9.52148438e-02, -4.49218750e-02, -4.12109375e-01,  3.49121094e-02,
        -2.87109375e-01, -1.74804688e-01,  1.13769531e-01,  1.94335938e-01,
```

```
        -2.28515625e-01,  2.05078125e-01,  1.60156250e-01,  9.91210938e-02,
         2.05078125e-01,  1.13769531e-01,  5.56640625e-02,  2.05078125e-02,
         1.70898438e-01, -7.71484375e-02, -1.81640625e-01,  2.20703125e-01,
         5.17578125e-02,  1.06445312e-01,  4.17480469e-02, -2.61718750e-01,
        -3.66210938e-02, -7.66601562e-02, -1.47460938e-01,  1.39648438e-01,
         2.05078125e-01, -1.81884766e-02,  1.14257812e-01, -1.14257812e-01,
        -9.57031250e-02, -1.11328125e-01, -7.17773438e-02,  9.76562500e-02,
         8.11767578e-03, -2.31445312e-01, -1.06445312e-01, -2.49023438e-01,
        -2.07519531e-02,  3.63769531e-02, -6.15234375e-02, -4.08935547e-03,
        -1.64062500e-01, -1.90429688e-01, -1.48437500e-01,  1.81884766e-02,
         3.06396484e-02,  9.42382812e-02, -7.08007812e-02,  2.70996094e-02,
         1.01562500e-01, -2.18505859e-02, -1.46484375e-01, -1.47460938e-01,
         1.64062500e-01,  4.24804688e-02,  1.07421875e-01,  2.29492188e-01,
         3.24707031e-02,  8.59375000e-02, -1.14440918e-04, -1.12304688e-01,
        -2.55859375e-01,  7.53784180e-03,  7.37304688e-02,  1.99218750e-01,
         1.83593750e-01,  2.43164062e-01, -5.59082031e-02, -1.67968750e-01,
        -2.69531250e-01,  3.22265625e-01, -1.30859375e-01, -9.86328125e-02,
        -1.87683105e-03,  6.04248047e-03, -3.20312500e-01,  1.80664062e-02,
         7.27539062e-02,  2.02148438e-01, -1.92382812e-01, -1.68945312e-01,
         1.76757812e-01,  1.80664062e-02, -2.73437500e-01,  4.04296875e-01,
        -2.08984375e-01, -1.25732422e-02, -3.45703125e-01, -1.58691406e-02,
         1.23046875e-01,  1.62109375e-01,  1.10351562e-01,  1.83593750e-0
1],
       dtype=float32),
 'embrace': array([ 7.81250000e-02,  3.56445312e-02,  4.51660156e-02,  1.35
742188e-01,
        -2.39257812e-01, -1.45263672e-02,  1.90429688e-01, -1.87500000e-01,
        -3.36914062e-02,  2.38281250e-01, -2.39257812e-01, -7.81250000e-02,
        -1.38671875e-01,  7.56835938e-02, -4.41894531e-02,  1.60156250e-01,
         1.91406250e-01,  7.43865967e-05,  2.32421875e-01, -6.25000000e-02,
         1.56250000e-02,  1.16210938e-01,  1.80664062e-01,  1.08886719e-01,
         2.12890625e-01,  6.74438477e-03, -8.83789062e-02,  8.44726562e-02,
         2.91015625e-01, -2.38281250e-01,  1.48925781e-02,  1.25000000e-01,
        -2.92968750e-01,  2.44140625e-02,  2.25830078e-02,  1.15966797e-03,
         1.75781250e-01, -6.93359375e-02,  1.07421875e-01,  1.29882812e-01,
         2.46093750e-01,  1.08398438e-01, -9.47265625e-02,  2.41699219e-02,
        -1.17675781e-01, -8.93554688e-02, -3.76953125e-01,  2.17773438e-01,
         1.34765625e-01,  1.72851562e-01,  1.14257812e-01,  1.87500000e-01,
        -2.29492188e-01, -1.23046875e-01,  9.57031250e-02,  1.97265625e-01,
         9.57031250e-02, -8.97216797e-03, -8.83789062e-02,  6.22558594e-02,
         1.12915039e-02,  8.54492188e-02, -8.05664062e-02,  6.34765625e-02,
        -5.39550781e-02, -1.36108398e-02, -2.21679688e-01,  1.70898438e-01,
         5.78613281e-02,  2.61718750e-01, -6.73828125e-02, -4.95605469e-02,
         1.21093750e-01,  1.79687500e-01, -1.85546875e-02, -2.92968750e-01,
         1.41601562e-01,  2.25585938e-01,  1.40625000e-01,  2.69531250e-01,
         4.41894531e-02,  6.73828125e-02,  5.68847656e-02,  2.91748047e-02,
        -1.07421875e-01,  1.07421875e-01, -1.11816406e-01, -1.56250000e-01,
         5.98144531e-02,  4.90722656e-02, -7.17773438e-02, -3.41796875e-02,
        -3.08837891e-02, -1.04003906e-01,  1.25976562e-01,  1.54296875e-01,
        -9.81445312e-02,  2.13867188e-01, -2.42919922e-02, -2.38281250e-01,
        -2.71484375e-01, -1.18652344e-01,  1.64062500e-01,  3.26171875e-01,
        -1.76757812e-01, -2.44140625e-01,  1.38671875e-01,  1.28173828e-02,
         9.47265625e-02,  5.78613281e-02, -1.71875000e-01,  3.00292969e-02,
        -5.39550781e-02,  3.44238281e-02,  3.75000000e-01,  1.20117188e-01,
         1.49414062e-01, -1.12792969e-01,  1.26953125e-01,  1.08886719e-01,
         8.15429688e-02, -8.15429688e-02, -6.64062500e-02, -1.66015625e-02,
        -4.71191406e-02, -3.06640625e-01,  2.26562500e-01,  2.17773438e-01,
        -4.76074219e-02,  1.79687500e-01,  7.95898438e-02,  4.17480469e-02,
         8.54492188e-02, -1.17675781e-01,  1.87988281e-02,  2.15820312e-01,
         3.06396484e-02, -1.92871094e-02,  1.32812500e-01,  1.53808594e-02,
        -1.74804688e-01, -1.16699219e-01, -3.49609375e-01,  8.54492188e-02,
        -3.61328125e-02,  1.26953125e-01,  1.33789062e-01, -1.30859375e-01,
         4.63867188e-03,  1.05468750e-01,  1.05957031e-01, -4.32128906e-02,
         8.64257812e-02, -3.88183594e-02,  4.98046875e-02, -1.70898438e-02,
```

```
        -1.86523438e-01, -1.08398438e-01, -5.49316406e-02, -2.21679688e-01,
         8.54492188e-02,  2.79541016e-02, -2.43164062e-01, -2.69531250e-01,
         6.59179688e-02, -2.19726562e-01, -5.37109375e-03, -3.37219238e-03,
         9.03320312e-02,  3.66210938e-02,  8.59375000e-02,  1.24359131e-03,
         8.05664062e-02,  3.99780273e-03,  2.04101562e-01,  2.04101562e-01,
         3.26538086e-03, -4.76074219e-02, -1.99218750e-01, -1.41906738e-03,
        -1.92382812e-01, -2.77343750e-01,  2.05078125e-01, -1.92382812e-01,
        -1.61132812e-01, -9.27734375e-02, -4.80468750e-01, -7.27539062e-02,
        -1.07910156e-01,  1.67968750e-01,  1.47460938e-01, -7.81250000e-03,
         2.08007812e-01,  1.77001953e-02, -1.84570312e-01,  1.00585938e-01,
        -1.56250000e-01,  1.40625000e-01, -2.02148438e-01, -1.05957031e-01,
         2.69775391e-02,  1.10473633e-02,  2.17773438e-01, -9.66796875e-02,
        -2.23632812e-01,  3.12500000e-02,  6.39648438e-02, -8.59375000e-02,
        -4.76074219e-02, -1.17187500e-01, -6.34765625e-02,  3.94531250e-01,
         1.31835938e-01,  2.01171875e-01, -3.47656250e-01,  9.22851562e-02,
         1.10351562e-01, -1.03515625e-01,  8.78906250e-02, -1.15722656e-01,
        -8.98437500e-02, -3.80859375e-02, -9.08203125e-02,  3.46679688e-02,
        -7.03125000e-02, -2.81982422e-02,  1.30859375e-01, -1.45507812e-01,
         7.66601562e-02,  7.95898438e-02, -9.61914062e-02,  1.70898438e-01,
        -4.88281250e-02, -1.52343750e-01,  3.94531250e-01,  1.54296875e-01,
        -8.25195312e-02,  4.73632812e-02,  1.85546875e-01,  1.23535156e-01,
        -2.50000000e-01, -8.39843750e-02, -1.17187500e-01,  1.31835938e-02,
        -1.44531250e-01, -4.58984375e-02, -1.35742188e-01,  2.13867188e-01,
         7.99560547e-03,  6.34765625e-03,  1.92260742e-03,  3.24218750e-01,
         3.46679688e-02,  1.10351562e-01, -1.09863281e-01,  3.27148438e-02,
        -1.09863281e-01,  1.41601562e-01, -1.27929688e-01,  1.09863281e-01,
        -2.87109375e-01,  5.76171875e-02, -2.41210938e-01,  2.29492188e-01,
         3.12500000e-01,  4.71191406e-02,  5.78613281e-02,  8.93554688e-02,
        -3.63281250e-01,  9.08203125e-02, -1.55273438e-01,  2.19726562e-01,
         2.04101562e-01, -1.08886719e-01,  1.30859375e-01, -2.03125000e-01,
        -3.37890625e-01,  1.60980225e-03, -2.21679688e-01, -1.53320312e-01,
         2.21679688e-01,  3.29589844e-02,  6.68945312e-02, -1.79687500e-01,
         1.50390625e-01,  3.49121094e-02, -3.17382812e-02,  7.76367188e-02,
        -1.59179688e-01, -3.25012207e-03, -1.70898438e-01, -1.56402588e-03,
         9.57031250e-02, -5.27343750e-02, -8.83789062e-02, -2.57812500e-01,
         3.33984375e-01,  1.66015625e-01,  7.27539062e-02,  2.09960938e-0
1],
       dtype=float32),
 'reflects': array([-1.65039062e-01,  1.99218750e-01,  5.05371094e-02, -3.6
8652344e-02,
         4.00390625e-02, -1.03027344e-01,  2.49023438e-01, -1.70898438e-01,
         1.21093750e-01,  9.42382812e-02, -3.32031250e-01, -1.07910156e-01,
         2.19726562e-01,  2.94921875e-01,  2.47802734e-02, -1.77001953e-02,
         6.73828125e-02,  1.66015625e-01, -4.15039062e-02, -1.34765625e-01,
        -2.89062500e-01,  6.78710938e-02, -1.58203125e-01,  1.75781250e-02,
        -1.75781250e-01, -1.28906250e-01,  4.68750000e-02,  2.69531250e-01,
         3.39843750e-01,  6.25000000e-02,  3.37890625e-01, -1.99218750e-01,
        -1.21459961e-02,  5.54687500e-01,  3.82812500e-01, -6.88476562e-02,
        -1.12792969e-01,  1.52343750e-01,  5.27343750e-02, -3.08837891e-02,
         9.13085938e-02,  2.50000000e-01, -8.00781250e-02,  2.13867188e-01,
         1.92382812e-01, -1.26953125e-01, -1.43554688e-01, -8.05664062e-03,
        -5.32226562e-02, -2.21679688e-01,  6.68945312e-02, -3.39355469e-02,
        -7.95898438e-02, -7.66601562e-02, -1.23046875e-01,  2.23632812e-01,
        -1.95312500e-01,  1.40625000e-01,  7.56835938e-02, -1.36108398e-02,
        -1.25976562e-01,  6.54296875e-02, -1.80664062e-01, -4.63867188e-02,
         3.43750000e-01,  2.50000000e-01, -9.27734375e-02,  1.16210938e-01,
         8.10546875e-02, -1.85546875e-01, -1.94091797e-02, -2.09960938e-01,
         2.79296875e-01,  1.08398438e-01, -4.24194336e-03,  2.66113281e-02,
         3.86718750e-01,  3.84765625e-01, -5.07812500e-02,  2.48046875e-01,
        -7.61718750e-02, -9.57031250e-02, -2.45361328e-02,  5.44433594e-02,
         1.35742188e-01, -1.41601562e-01, -3.06640625e-01,  7.56835938e-02,
         1.11694336e-02,  2.87109375e-01,  3.12500000e-01, -2.31445312e-01,
         1.56250000e-02,  7.47070312e-02,  6.83593750e-02, -1.38671875e-01,
        -1.59179688e-01,  1.72851562e-01, -3.61328125e-02, -5.73730469e-02,
```

```
         1.37695312e-01, -3.10058594e-02, -1.20605469e-01,  1.25976562e-01,
        -2.12890625e-01, -1.67968750e-01, -1.06201172e-02, -1.62109375e-01,
        -1.98242188e-01, -1.35742188e-01, -2.81250000e-01, -2.87109375e-01,
        -1.59179688e-01, -1.68609619e-03,  1.21093750e-01,  3.96484375e-01,
        -1.12792969e-01,  7.72094727e-03, -5.68847656e-02,  1.86523438e-01,
        -6.25000000e-02, -6.17675781e-02, -4.90722656e-02,  9.96093750e-02,
         1.23535156e-01,  1.17187500e-02, -7.17773438e-02, -1.96289062e-01,
         7.86132812e-02,  2.17773438e-01,  6.83593750e-02, -1.09863281e-01,
        -1.30859375e-01,  6.83593750e-02,  1.65039062e-01, -2.31933594e-02,
         1.14746094e-01,  2.79296875e-01,  1.38671875e-01, -1.98242188e-01,
        -5.85937500e-02, -1.18408203e-02, -7.37304688e-02,  1.07910156e-01,
        -1.33789062e-01,  1.63085938e-01, -5.27954102e-03, -4.27246094e-02,
        -7.66601562e-02,  5.93261719e-02,  3.75000000e-01, -1.03515625e-01,
         2.61718750e-01,  1.26953125e-02,  2.21252441e-04,  9.22851562e-02,
         7.12890625e-02,  1.42578125e-01, -2.73437500e-01, -1.44531250e-01,
         2.91015625e-01, -2.48046875e-01, -9.57031250e-02,  9.03320312e-02,
         1.68945312e-01,  4.51660156e-03,  2.48046875e-01, -5.37109375e-02,
         1.35742188e-01,  2.44140625e-01,  2.64892578e-02, -1.25000000e-01,
         3.88671875e-01, -6.15234375e-02, -1.44531250e-01,  1.36718750e-01,
         6.88476562e-02,  7.32421875e-02,  2.10937500e-01, -1.83593750e-01,
        -2.14843750e-01,  4.66308594e-02,  1.72851562e-01, -3.49121094e-02,
        -2.26562500e-01,  4.51660156e-02,  8.60595703e-03,  9.86328125e-02,
         6.37817383e-03,  1.38671875e-01, -3.08837891e-02, -7.27539062e-02,
         2.28881836e-03, -1.06933594e-01, -2.06054688e-01,  2.87109375e-01,
        -1.64062500e-01,  5.54199219e-02,  9.96093750e-02,  5.15136719e-02,
        -4.39453125e-02, -3.04687500e-01, -1.36718750e-01,  2.83813477e-03,
        -3.35937500e-01,  1.17675781e-01, -2.09960938e-01,  2.96875000e-01,
         5.56640625e-02, -6.68945312e-02, -8.98437500e-02,  1.97265625e-01,
        -4.51660156e-02,  1.30859375e-01, -2.53906250e-01, -1.67968750e-01,
         2.12890625e-01,  1.35742188e-01, -9.13085938e-02,  8.74023438e-02,
         1.08886719e-01,  7.76367188e-02,  1.34887695e-02,  3.89099121e-03,
         1.61132812e-01, -1.20117188e-01, -1.71875000e-01, -2.23632812e-01,
        -3.88183594e-02,  1.06933594e-01, -1.56250000e-01, -4.76074219e-02,
         2.30468750e-01,  2.30468750e-01,  1.23046875e-01,  3.58886719e-02,
         1.96289062e-01, -8.93554688e-02,  1.59179688e-01,  2.73437500e-01,
        -7.23266602e-03, -1.28906250e-01,  3.82812500e-01,  7.56835938e-02,
        -6.64062500e-02, -1.12792969e-01, -1.39648438e-01,  3.24218750e-01,
        -2.85644531e-02, -3.12500000e-02, -7.12890625e-02,  1.15234375e-01,
        -2.17773438e-01, -4.93164062e-02, -9.71679688e-02, -1.17187500e-02,
        -2.21679688e-01,  1.33789062e-01, -4.83398438e-02,  6.44531250e-02,
        -2.73437500e-01,  2.24609375e-02,  1.26953125e-01,  3.75976562e-02,
         1.25000000e-01,  4.08203125e-01, -1.39648438e-01, -3.78906250e-01,
        -4.27246094e-03, -5.32226562e-02, -2.83203125e-01,  1.25976562e-01,
        -6.59179688e-02, -2.08984375e-01, -2.03857422e-02, -1.00097656e-02,
        -1.64062500e-01, -9.13085938e-02, -1.69921875e-01,  6.07910156e-02,
        -4.41894531e-02, -1.33789062e-01, -1.20117188e-01,  1.97753906e-02,
         2.06054688e-01, -9.81445312e-02,  8.74023438e-02,  4.95605469e-02,
        -7.81250000e-02, -1.14257812e-01, -3.49609375e-01,  1.84570312e-01,
        -1.54296875e-01,  3.16406250e-01, -5.02929688e-02, -4.58984375e-02,
         1.19140625e-01,  1.57226562e-01,  3.02734375e-01,  4.27246094e-0
2],
       dtype=float32),
 'input': array([-2.92968750e-01, -2.08984375e-01, -2.63671875e-01,  4.6142
5781e-02,
        -2.63671875e-01,  2.06054688e-01, -1.05468750e-01, -1.61132812e-01,
         1.03515625e-01, -2.42919922e-02, -1.59912109e-02,  2.65625000e-01,
         8.39843750e-02, -6.10351562e-02, -5.81054688e-02,  5.73730469e-02,
         1.63085938e-01,  2.10937500e-01,  3.36914062e-02, -3.18359375e-01,
        -1.29882812e-01,  3.16406250e-01, -8.44726562e-02,  8.20312500e-02,
        -2.01171875e-01, -2.05993652e-03,  5.54199219e-02,  3.93066406e-02,
         3.14941406e-02, -1.46484375e-01, -1.40380859e-02, -1.13281250e-01,
        -2.63671875e-01, -6.92749023e-03,  1.21582031e-01, -2.55859375e-01,
         2.39257812e-01,  6.49414062e-02, -1.10351562e-01, -1.42578125e-01,
        -8.10546875e-02,  2.61718750e-01,  7.61718750e-02,  1.45507812e-01,
```

```
-8.88671875e-02, -1.45507812e-01, -1.72851562e-01, -5.46264648e-03,
-1.72851562e-01, -1.75781250e-02, -1.22070312e-01, -1.78710938e-01,
-4.51660156e-02, -5.46875000e-02, -2.14843750e-01, -5.93261719e-02,
-3.46679688e-02, -1.14746094e-01,  1.68945312e-01,  6.83593750e-02,
-1.57226562e-01, -1.02050781e-01, -1.01562500e-01, -8.64257812e-02,
 1.47460938e-01, -8.59375000e-02, -1.36718750e-01,  2.50000000e-01,
-2.18505859e-02,  1.90429688e-01, -7.29370117e-03, -3.61328125e-01,
 2.73437500e-01, -4.45312500e-01,  6.25610352e-03,  2.63671875e-02,
 6.73828125e-02, -1.21582031e-01,  1.01318359e-02,  1.04003906e-01,
 1.51367188e-01, -1.19628906e-02,  1.51367188e-01,  1.51367188e-01,
 3.16406250e-01,  4.17480469e-02, -4.04296875e-01,  2.62451172e-02,
 1.65039062e-01,  1.45507812e-01,  2.85156250e-01,  8.10546875e-02,
-1.29882812e-01, -1.11816406e-01,  1.52343750e-01, -2.73437500e-01,
-5.31250000e-01,  1.52343750e-01,  1.35498047e-02, -6.88476562e-02,
-1.20605469e-01, -1.80664062e-01,  2.36328125e-01,  2.81982422e-02,
 1.01562500e-01,  6.64062500e-02, -2.27050781e-02, -3.85742188e-02,
-1.47094727e-02, -3.94531250e-01,  4.93164062e-02, -2.00195312e-01,
-3.54003906e-02,  4.07714844e-02,  1.86523438e-01,  1.03759766e-03,
-3.29589844e-02, -1.22558594e-01,  1.44531250e-01, -2.14843750e-01,
-1.10839844e-01,  3.35937500e-01, -2.89062500e-01,  2.02148438e-01,
 9.47265625e-02, -1.66015625e-01, -1.66015625e-01, -5.63964844e-02,
 1.18164062e-01,  3.71093750e-01, -1.55273438e-01, -7.42187500e-02,
-2.04101562e-01,  1.01074219e-01,  1.64062500e-01,  1.20605469e-01,
-4.95605469e-02,  1.73950195e-03,  2.27050781e-02, -6.64062500e-02,
 1.39648438e-01,  2.83203125e-01, -4.00390625e-01, -6.12792969e-02,
-9.27734375e-02,  1.58203125e-01,  7.91015625e-02, -3.32031250e-02,
 1.16699219e-01, -6.12792969e-02, -2.29492188e-02, -5.09643555e-03,
-1.54296875e-01,  5.19531250e-01,  2.63671875e-01, -2.33398438e-01,
 8.30078125e-02, -6.00585938e-02, -6.44531250e-02, -1.24511719e-01,
-1.99218750e-01,  3.86718750e-01,  3.80859375e-02,  7.27539062e-02,
-3.71093750e-01,  1.14135742e-02, -1.01074219e-01,  1.30859375e-01,
-3.78417969e-02, -2.13623047e-02, -8.59375000e-02,  2.26562500e-01,
-2.80761719e-02, -7.95898438e-02,  3.20312500e-01, -7.22656250e-02,
-1.59912109e-02, -3.24218750e-01, -2.85156250e-01,  6.22558594e-02,
-1.21093750e-01,  5.49316406e-02,  1.98242188e-01,  2.83203125e-01,
 2.29492188e-01, -1.33789062e-01, -1.79687500e-01, -4.10156250e-02,
 1.99218750e-01, -1.09252930e-02, -1.18164062e-01,  4.51660156e-02,
 3.90625000e-03, -2.26562500e-01, -7.12890625e-02, -1.37695312e-01,
 3.07083130e-04, -2.98828125e-01, -1.98974609e-02,  6.83593750e-02,
 6.39648438e-02, -5.24902344e-02, -3.75976562e-02, -1.03027344e-01,
-1.24023438e-01, -2.10937500e-01, -1.33789062e-01, -4.78515625e-01,
 1.57226562e-01,  2.08984375e-01,  2.69531250e-01,  6.05468750e-02,
 1.68945312e-01, -7.81250000e-02, -1.79687500e-01, -2.98828125e-01,
 2.13867188e-01,  1.56250000e-01,  1.86523438e-01, -2.44140625e-02,
-3.14453125e-01,  4.46777344e-02, -3.65234375e-01, -1.17675781e-01,
-2.08984375e-01, -8.05664062e-02, -2.14843750e-01,  1.59179688e-01,
-5.85937500e-02,  2.47070312e-01, -2.55859375e-01,  6.73828125e-02,
-7.81250000e-02, -5.56640625e-02,  7.71484375e-02, -2.22656250e-01,
 2.28515625e-01, -2.49023438e-01,  1.58203125e-01, -4.15039062e-02,
-2.42187500e-01,  4.54101562e-02,  1.55273438e-01,  1.39160156e-02,
-7.61718750e-02, -5.76171875e-02,  3.93676758e-03,  4.29153442e-04,
 1.29882812e-01,  1.62109375e-01,  3.49609375e-01,  1.95312500e-01,
 3.24707031e-02, -8.69140625e-02, -1.01074219e-01, -5.59082031e-02,
 1.19628906e-01, -1.72851562e-01, -2.61718750e-01, -8.30078125e-02,
 6.86645508e-03, -4.51660156e-02, -3.04687500e-01,  6.22558594e-02,
-3.85742188e-02, -4.56542969e-02, -1.84570312e-01,  7.27539062e-02,
-2.24609375e-01, -1.39648438e-01, -1.34765625e-01,  3.58886719e-02,
 2.12890625e-01, -1.25000000e-01, -1.65039062e-01, -1.63085938e-01,
 4.49218750e-02, -1.30615234e-02, -2.07519531e-02,  2.71484375e-01,
 1.57470703e-02, -7.66601562e-02,  2.27539062e-01,  3.63281250e-01,
-7.71484375e-02, -1.01074219e-01,  1.59912109e-02,  1.39648438e-01,
 2.71484375e-01,  2.29835510e-04, -1.36718750e-01,  1.14746094e-01,
 2.48046875e-01,  2.53906250e-01,  1.77001953e-02,  1.99218750e-01,
-1.53320312e-01, -2.04101562e-01, -2.46093750e-01,  3.68652344e-0
```

```
2],
       dtype=float32),
 'expect': array([ 0.05102539,  0.19921875, -0.00209045,  0.18847656, -0.13
183594,
        -0.09179688,  0.27734375, -0.00695801,  0.03833008,  0.06738281,
        -0.17285156, -0.08154297, -0.0625    ,  0.04272461, -0.07666016,
         0.14160156,  0.12158203,  0.21582031,  0.06445312, -0.10498047,
        -0.35546875, -0.03076172,  0.14941406, -0.2109375 ,  0.17578125,
         0.01397705,  0.12890625,  0.04907227,  0.10400391,  0.22070312,
         0.03808594, -0.00939941, -0.14453125, -0.1796875 , -0.08984375,
         0.06079102, -0.04980469,  0.05224609, -0.15332031,  0.01324463,
         0.14550781, -0.11376953,  0.09912109,  0.15722656, -0.27929688,
        -0.42578125, -0.11914062, -0.17773438, -0.12304688, -0.05419922,
         0.04345703, -0.11523438, -0.11865234,  0.27929688,  0.12597656,
         0.11865234,  0.05395508,  0.00363159,  0.2578125 ,  0.0072937 ,
        -0.20605469,  0.06079102, -0.20800781, -0.0324707 ,  0.12890625,
         0.08447266, -0.09667969,  0.25      , -0.05932617,  0.12890625,
         0.05102539,  0.02636719,  0.23535156,  0.09960938, -0.14746094,
        -0.21679688,  0.12597656,  0.17480469,  0.0112915 , -0.01464844,
        -0.05737305, -0.10205078, -0.09082031,  0.13671875, -0.1015625 ,
        -0.05786133, -0.09326172,  0.03198242,  0.00259399, -0.01696777,
         0.20117188, -0.20117188, -0.1875    , -0.08447266, -0.05541992,
        -0.29492188, -0.03540039,  0.23339844, -0.13964844,  0.15136719,
        -0.05664062, -0.1875    , -0.07373047,  0.08007812,  0.06201172,
        -0.28125   , -0.03808594, -0.11083984, -0.05444336,  0.06640625,
        -0.03369141,  0.04931641, -0.05053711,  0.0402832 , -0.02697754,
        -0.10009766,  0.06640625, -0.12255859, -0.06884766,  0.10839844,
         0.06298828, -0.02429199, -0.03295898,  0.01586914, -0.0177002 ,
        -0.14355469, -0.26367188, -0.09033203, -0.23242188, -0.12597656,
         0.0145874 , -0.06884766, -0.07470703,  0.12353516,  0.07177734,
        -0.11962891,  0.05078125,  0.16894531,  0.09667969,  0.21972656,
        -0.09521484, -0.20898438, -0.07324219,  0.06982422,  0.0279541 ,
        -0.0009079 ,  0.26367188, -0.296875  ,  0.01092529, -0.24511719,
        -0.02600098,  0.17773438, -0.09179688,  0.08203125, -0.0378418 ,
         0.01531982, -0.15625   ,  0.1796875 , -0.25      ,  0.00933838,
         0.23046875,  0.05493164,  0.11279297, -0.05297852,  0.234375  ,
         0.02111816,  0.00811768, -0.20117188,  0.00927734, -0.109375  ,
        -0.3515625 , -0.1484375 ,  0.02331543,  0.05151367, -0.04370117,
        -0.20996094,  0.14453125,  0.20996094, -0.07568359,  0.10791016,
        -0.15039062,  0.01165771,  0.16015625,  0.18945312, -0.17480469,
        -0.26953125,  0.08447266, -0.17675781,  0.1875    ,  0.24414062,
         0.19238281, -0.0222168 ,  0.10058594, -0.09667969,  0.00939941,
        -0.0222168 ,  0.07373047,  0.00878906, -0.06176758, -0.20507812,
         0.06103516,  0.24121094, -0.11035156,  0.1328125 , -0.09619141,
         0.09130859, -0.14355469, -0.15136719,  0.15039062,  0.02209473,
         0.10839844,  0.16308594,  0.13085938, -0.02258301, -0.33203125,
        -0.17285156,  0.0267334 , -0.02075195, -0.08789062, -0.10791016,
         0.12109375, -0.16796875, -0.32421875, -0.04711914,  0.03112793,
         0.03112793,  0.21191406, -0.07617188,  0.11474609, -0.0324707 ,
         0.03295898, -0.02770996,  0.04101562,  0.00823975,  0.1484375 ,
         0.2265625 , -0.01989746, -0.04882812,  0.24511719,  0.15917969,
        -0.05224609,  0.11621094,  0.07666016, -0.12695312, -0.25976562,
         0.03833008,  0.04394531,  0.08349609,  0.15917969, -0.125     ,
        -0.05053711,  0.09375   ,  0.37695312,  0.01794434, -0.13476562,
         0.05737305,  0.02294922,  0.07470703, -0.14160156, -0.11083984,
         0.0300293 ,  0.03979492, -0.05444336,  0.24121094,  0.07763672,
         0.07568359,  0.1015625 , -0.10498047,  0.05273438, -0.01672363,
         0.453125  ,  0.15625   ,  0.26757812, -0.13183594, -0.10644531,
         0.10644531, -0.0144043 ,  0.0559082 ,  0.140625  , -0.00069427,
        -0.13574219,  0.07714844, -0.05957031,  0.04760742,  0.10498047,
        -0.16601562,  0.09423828, -0.12255859,  0.12255859,  0.12988281,
        -0.02905273,  0.04394531,  0.09082031, -0.10058594,  0.07666016,
        -0.08740234,  0.02172852, -0.11523438,  0.18066406, -0.12109375],
       dtype=float32),
```

```
 'contemporary': array([ 5.27343750e-02, -2.46582031e-02,  4.10156250e-02,
-3.36914062e-02,
         7.51953125e-02, -6.98242188e-02,  2.13867188e-01, -1.67968750e-01,
         1.46484375e-01,  1.05957031e-01, -3.32031250e-02, -1.62109375e-01,
         1.63085938e-01,  8.59375000e-02, -1.64062500e-01, -2.24609375e-02,
         4.39453125e-02,  6.05468750e-02,  8.69140625e-02, -1.52587891e-02,
        -7.12890625e-02,  1.01928711e-02,  1.10626221e-03, -1.18164062e-01,
        -1.32812500e-01,  9.08203125e-02, -3.78417969e-02,  8.88671875e-02,
         3.80859375e-02, -1.66015625e-01, -9.88769531e-03,  1.04980469e-01,
        -1.31835938e-01,  1.06933594e-01,  8.78906250e-02, -1.70898438e-01,
        -6.68334961e-03, -1.91650391e-02,  2.91824341e-04, -4.10156250e-02,
         3.03955078e-02,  7.71484375e-02, -1.66015625e-01,  2.98828125e-01,
         8.20312500e-02,  1.84570312e-01, -6.49414062e-02,  1.37939453e-02,
         2.50000000e-01, -7.86132812e-02,  1.47705078e-02,  2.61718750e-01,
        -3.98437500e-01, -2.53906250e-01,  1.41601562e-01,  1.46484375e-01,
        -3.12500000e-02,  5.76171875e-02,  2.62451172e-02, -1.30859375e-01,
         1.27929688e-01, -9.42382812e-02, -1.41601562e-01, -4.41406250e-01,
         1.01074219e-01, -8.83789062e-02, -2.37304688e-01,  7.95898438e-02,
         3.12500000e-02,  1.73828125e-01,  9.61914062e-02,  5.34667969e-02,
         1.58203125e-01,  7.93457031e-03, -2.27539062e-01,  1.29882812e-01,
        -5.85937500e-03,  2.87109375e-01,  1.01074219e-01, -4.61425781e-02,
        -8.15429688e-02, -3.19824219e-02,  1.70898438e-01,  7.95898438e-02,
        -1.61132812e-01,  1.87500000e-01, -1.96289062e-01,  2.03857422e-02,
         2.00271606e-04,  2.47070312e-01, -2.89306641e-02, -3.08593750e-01,
        -8.39843750e-02, -2.29492188e-02, -1.29882812e-01, -3.72314453e-03,
         1.08886719e-01, -1.08886719e-01,  4.07714844e-02, -2.33398438e-01,
        -3.49121094e-02,  1.95312500e-01, -5.76171875e-02, -1.94091797e-02,
        -1.24511719e-01, -1.92382812e-01,  2.25585938e-01, -3.51562500e-02,
        -7.81250000e-02, -2.05993652e-03, -2.53906250e-01,  2.77343750e-01,
        -2.45117188e-01,  9.22851562e-02,  1.41601562e-01,  4.85839844e-02,
         2.22167969e-02, -8.64257812e-02,  2.75390625e-01,  1.94335938e-01,
        -1.72851562e-01,  8.20312500e-02,  2.91015625e-01,  8.74023438e-02,
        -2.85644531e-02,  1.38671875e-01, -2.42919922e-02,  1.09375000e-01,
        -2.07031250e-01,  6.71386719e-03,  5.61523438e-02, -1.44531250e-01,
        -4.15039062e-02,  3.06640625e-01,  3.22265625e-02,  1.38671875e-01,
        -3.34472656e-02,  8.54492188e-03,  1.85546875e-01,  2.38281250e-01,
         1.61132812e-01,  2.78320312e-02, -7.42187500e-02,  1.56250000e-01,
         8.00781250e-02, -8.20312500e-02,  1.66992188e-01,  3.37890625e-01,
        -1.83593750e-01,  1.50390625e-01,  2.02636719e-02, -1.43554688e-01,
         2.95410156e-02,  4.39453125e-02,  8.78906250e-02, -1.80664062e-01,
        -8.30078125e-02, -8.30078125e-02,  3.41796875e-02, -3.65234375e-01,
        -1.10351562e-01,  2.89306641e-02, -1.97265625e-01,  9.57031250e-02,
         7.56835938e-02,  2.75390625e-01,  1.87500000e-01, -1.73828125e-01,
        -6.00585938e-02, -3.75976562e-02, -1.84570312e-01,  8.39843750e-02,
         1.04003906e-01, -6.83593750e-02,  3.14453125e-01, -3.44238281e-02,
         3.24707031e-02, -5.98144531e-02, -2.31445312e-01,  6.54296875e-02,
        -1.46484375e-01,  2.34375000e-02, -2.36328125e-01, -2.14843750e-01,
        -4.90722656e-02,  1.25000000e-01,  5.37109375e-02, -1.35742188e-01,
        -4.66918945e-03,  1.58203125e-01, -7.56835938e-02,  2.06298828e-02,
         1.70898438e-01, -6.07910156e-02,  3.54003906e-02, -4.78515625e-02,
         6.34765625e-02,  2.34375000e-01, -1.71875000e-01,  8.05664062e-02,
        -8.20312500e-02, -1.15966797e-02, -2.99072266e-02,  7.42187500e-02,
        -3.70788574e-03, -1.98974609e-02,  6.39648438e-02, -5.78613281e-02,
        -5.78613281e-02,  5.05371094e-02, -2.09960938e-01, -4.66308594e-02,
         1.16210938e-01, -1.66015625e-02, -1.14746094e-01, -1.06445312e-01,
        -1.72851562e-01,  1.55273438e-01, -3.61328125e-02, -1.10351562e-01,
        -9.71679688e-02,  2.38281250e-01, -2.27539062e-01,  2.57812500e-01,
         7.03125000e-02, -7.99560547e-03, -1.94335938e-01, -1.12792969e-01,
        -2.55859375e-01,  1.14257812e-01, -1.11816406e-01, -8.93554688e-02,
        -3.49609375e-01,  2.67578125e-01,  2.87109375e-01, -9.09423828e-03,
         1.13769531e-01,  1.31835938e-01,  1.53198242e-02,  1.49414062e-01,
         2.63671875e-01, -2.65625000e-01,  1.47094727e-02, -1.74560547e-02,
        -1.26953125e-01,  7.71484375e-02,  2.68554688e-02,  2.39257812e-02,
        -1.34765625e-01, -7.61718750e-02,  1.37695312e-01,  2.45117188e-01,
```

```
         2.20947266e-02,  4.46777344e-02,  1.09863281e-01, -1.03515625e-01,
        -4.46777344e-02,  4.43458557e-05,  2.10937500e-01, -9.17968750e-02,
        -9.70458984e-03, -4.07714844e-02,  7.27539062e-02, -2.63671875e-01,
         9.81445312e-02,  3.28125000e-01, -1.96533203e-02, -2.25585938e-01,
        -1.36718750e-01,  8.00781250e-02, -1.84570312e-01,  1.14746094e-01,
        -1.29882812e-01, -7.12890625e-02,  2.87109375e-01,  2.83203125e-01,
        -1.98974609e-02, -8.36181641e-03, -7.95898438e-02,  2.39257812e-01,
        -6.05468750e-02,  9.61914062e-02,  7.27539062e-02, -1.31835938e-01,
         1.40625000e-01,  5.66406250e-02,  4.17480469e-02,  2.50244141e-02,
        -9.46044922e-03,  2.71484375e-01, -2.39257812e-01, -2.84423828e-02,
        -2.22656250e-01,  1.30859375e-01, -1.11083984e-02, -5.00488281e-02,
         2.35351562e-01, -3.51562500e-02,  1.98242188e-01,  5.56640625e-0
2],
       dtype=float32),
 'wellbeing': array([-9.86328125e-02,  3.47137451e-04,  6.59179688e-02, -3.
12500000e-02,
        -9.37500000e-02,  5.78613281e-02, -4.68750000e-02, -1.09375000e-01,
         2.71484375e-01,  1.06445312e-01, -3.78417969e-02, -1.68945312e-01,
         1.90429688e-01,  5.78125000e-01,  1.20605469e-01, -2.54821777e-03,
        -2.20947266e-02,  3.33984375e-01,  7.03125000e-02,  3.08837891e-02,
         2.45117188e-01, -2.89062500e-01, -1.31225586e-02,  3.90625000e-01,
        -2.60009766e-02, -1.48925781e-02, -2.31445312e-01,  1.31835938e-01,
         1.15722656e-01, -3.28125000e-01, -9.76562500e-02, -2.16796875e-01,
        -3.61328125e-02, -1.49414062e-01,  1.85546875e-02, -1.87500000e-01,
         9.39941406e-03,  3.28125000e-01, -1.79687500e-01, -8.49609375e-02,
        -2.92968750e-01,  6.54296875e-02, -3.80859375e-01,  1.74804688e-01,
         1.12792969e-01, -6.49414062e-02,  2.89306641e-02,  1.17675781e-01,
         1.84326172e-02, -1.13769531e-01, -2.07519531e-02,  3.02734375e-01,
         5.34667969e-02,  4.12597656e-02,  1.66992188e-01, -1.26953125e-01,
        -3.41796875e-01, -1.35742188e-01, -3.75000000e-01, -5.91278076e-04,
        -3.51562500e-02,  3.67187500e-01,  1.29882812e-01,  2.28271484e-02,
         1.00097656e-01,  3.22265625e-02, -3.88183594e-02,  5.78613281e-02,
        -4.10156250e-02, -1.59179688e-01, -3.94531250e-01, -2.89062500e-01,
         1.95312500e-01,  1.83593750e-01, -3.12500000e-02, -5.89843750e-01,
        -2.21679688e-01, -4.07714844e-02,  2.52685547e-02,  2.63671875e-01,
        -5.00488281e-02, -2.16064453e-02, -3.12500000e-02,  7.17773438e-02,
         6.64062500e-02,  8.78906250e-03, -1.07421875e-01,  1.89208984e-02,
        -1.13769531e-01, -3.49121094e-02,  2.01171875e-01, -2.50000000e-01,
        -2.29492188e-01, -2.94921875e-01, -1.53320312e-01, -2.31445312e-01,
         3.84765625e-01,  3.19824219e-02,  3.02734375e-01,  4.07714844e-02,
         2.51953125e-01,  7.66601562e-02,  1.66015625e-01,  2.34375000e-01,
         5.51757812e-02, -1.27929688e-01,  3.61633301e-03,  2.79296875e-01,
        -1.91650391e-02, -8.30078125e-02,  7.81250000e-02,  1.04492188e-01,
         5.76171875e-02,  2.28515625e-01, -5.56640625e-02, -2.79296875e-01,
        -1.31835938e-01, -9.96093750e-02, -2.51953125e-01,  8.39843750e-02,
        -3.43750000e-01,  1.66015625e-01, -3.35937500e-01,  1.58203125e-01,
        -2.71484375e-01,  2.87109375e-01, -1.94335938e-01,  3.29589844e-02,
        -1.34277344e-02,  1.20117188e-01,  5.20019531e-02,  4.02832031e-02,
        -3.12500000e-01, -1.11816406e-01, -1.11816406e-01, -1.32812500e-01,
        -6.63757324e-04,  8.44726562e-02,  1.70898438e-02,  1.37695312e-01,
         1.17675781e-01,  1.20117188e-01, -1.41601562e-01, -1.81640625e-01,
        -2.65625000e-01, -9.32617188e-02, -7.03125000e-02,  1.89453125e-01,
        -5.95703125e-02,  4.02832031e-02,  7.66601562e-02,  3.08837891e-02,
         1.07910156e-01,  1.44531250e-01, -1.73339844e-02, -1.40991211e-02,
        -8.23974609e-03, -3.43750000e-01, -4.10156250e-02, -4.43359375e-01,
        -1.67968750e-01,  1.60156250e-01,  4.90722656e-02,  2.81250000e-01,
         4.34570312e-02, -1.82617188e-01, -2.18750000e-01, -2.63671875e-02,
         4.82177734e-03, -9.82666016e-03,  6.39648438e-02,  1.38671875e-01,
         1.90429688e-01, -3.97949219e-02,  1.19628906e-02,  2.03125000e-01,
         4.33593750e-01, -1.00585938e-01,  4.78515625e-02,  1.84570312e-01,
        -7.12890625e-02,  4.51660156e-02,  4.66308594e-02, -4.64843750e-01,
        -5.12695312e-02, -1.41601562e-01, -4.51171875e-01,  5.71289062e-02,
         1.29882812e-01, -2.60009766e-02, -1.67968750e-01, -1.52343750e-01,
         1.48315430e-02, -2.51953125e-01, -9.52148438e-02, -1.44531250e-01,
```

```
         1.01562500e-01,  3.20312500e-01, -2.99072266e-02, -8.34960938e-02,
        -5.15136719e-02,  1.24511719e-01, -2.94921875e-01, -4.08203125e-01,
        -1.29882812e-01, -4.15039062e-02, -1.87988281e-02,  1.03027344e-01,
         1.28784180e-02, -2.24609375e-01, -1.15234375e-01, -5.73730469e-02,
         6.25000000e-02,  2.80761719e-02,  2.91015625e-01, -1.14257812e-01,
         1.74804688e-01, -1.62109375e-01, -6.20117188e-02,  2.51953125e-01,
        -7.87353516e-03, -2.33154297e-02,  3.05175781e-02, -1.26953125e-02,
        -1.62109375e-01, -1.20117188e-01,  2.46093750e-01, -1.79687500e-01,
        -2.33398438e-01,  1.70898438e-01,  1.27929688e-01,  7.42187500e-02,
        -4.71191406e-02, -8.00781250e-02,  5.59082031e-02,  1.83593750e-01,
         2.79296875e-01,  8.34960938e-02,  1.41601562e-01, -3.76953125e-01,
        -9.52148438e-02,  7.12890625e-02,  3.20312500e-01,  1.04003906e-01,
         2.50000000e-01, -8.05664062e-02, -1.94335938e-01, -9.22851562e-02,
        -2.51953125e-01,  1.08886719e-01, -1.16210938e-01,  4.73632812e-02,
         2.57812500e-01,  1.07910156e-01,  1.58691406e-02, -1.86523438e-01,
         1.33789062e-01,  1.73339844e-02, -1.28906250e-01,  2.59765625e-01,
         6.34765625e-03, -1.53320312e-01, -2.83203125e-01,  2.36328125e-01,
        -2.06054688e-01,  6.93359375e-02, -2.04101562e-01,  6.00585938e-02,
        -2.92968750e-01, -1.54296875e-01, -1.65039062e-01,  4.05273438e-02,
         3.71093750e-02,  9.17968750e-02,  2.73132324e-03, -2.75390625e-01,
         6.78710938e-02, -1.62109375e-01, -2.69531250e-01,  2.71484375e-01,
         2.24609375e-01, -2.34375000e-01,  7.05718994e-04,  1.19628906e-01,
         4.85839844e-02, -1.69921875e-01, -2.63671875e-01, -2.46582031e-02,
         3.75000000e-01,  1.91406250e-01, -2.89062500e-01,  2.73437500e-01,
        -3.15856934e-03, -1.62109375e-01, -2.18750000e-01,  1.89453125e-01,
         1.13769531e-01, -1.02050781e-01,  9.22851562e-02, -6.22558594e-0
2],
       dtype=float32),
 'activity': array([ 6.83593750e-02, -7.95898438e-02,  1.29882812e-01,  2.8
3203125e-01,
        -6.29882812e-02, -2.09960938e-01, -2.22656250e-01, -4.07714844e-02,
         8.98437500e-02, -5.41992188e-02,  8.74023438e-02, -1.19628906e-01,
        -1.94335938e-01,  2.60925293e-03,  1.64794922e-02, -3.64685059e-03,
        -2.40234375e-01, -7.12890625e-02,  2.51953125e-01, -4.00390625e-01,
        -3.49121094e-02, -2.83203125e-01, -4.96093750e-01,  2.87109375e-01,
        -1.64062500e-01, -2.24609375e-02, -1.56250000e-01,  2.46093750e-01,
        -1.56250000e-01,  1.04980469e-01,  1.40625000e-01, -5.39062500e-01,
         1.51367188e-01, -6.29882812e-02,  3.44238281e-02,  1.12304688e-01,
        -8.49609375e-02, -7.27539062e-02,  1.88476562e-01,  9.22851562e-02,
        -1.17187500e-02,  1.01562500e-01,  4.27246094e-02,  3.90625000e-02,
        -5.59082031e-02,  7.44628906e-03, -3.75976562e-02, -1.11328125e-01,
        -1.80664062e-01, -1.98974609e-02,  2.30468750e-01, -1.29882812e-01,
         6.03027344e-02,  1.24511719e-01,  3.55468750e-01, -4.11987305e-03,
         4.10156250e-02, -2.08007812e-01, -7.22656250e-02, -5.17578125e-02,
        -2.61718750e-01, -7.47070312e-02, -2.71484375e-01, -5.88989258e-03,
        -3.49609375e-01,  8.44726562e-02, -1.45507812e-01, -3.22265625e-02,
        -1.23535156e-01,  1.04492188e-01,  1.07421875e-01, -2.06054688e-01,
         2.57812500e-01,  3.02734375e-01,  1.32812500e-01, -1.81640625e-01,
         1.99218750e-01, -2.29492188e-01,  1.95312500e-01,  1.20605469e-01,
        -3.97949219e-02, -3.12500000e-02,  2.04101562e-01, -3.88183594e-02,
         7.37304688e-02, -5.41992188e-02, -1.19140625e-01,  3.96484375e-01,
        -1.48437500e-01,  3.78417969e-02, -7.38525391e-03, -2.77343750e-01,
        -7.56835938e-02, -2.02148438e-01,  1.60156250e-01,  1.07910156e-01,
         2.85156250e-01,  1.13769531e-01,  3.90625000e-02,  9.33837891e-03,
         1.53320312e-01, -2.18750000e-01,  2.95410156e-02, -1.16577148e-02,
         1.70898438e-01, -1.89453125e-01, -1.34765625e-01,  1.22558594e-01,
        -1.17187500e-01, -1.13769531e-01, -1.10351562e-01, -6.12792969e-02,
         1.12304688e-01, -1.26953125e-01, -9.96093750e-02, -8.25195312e-02,
         1.53320312e-01,  1.65039062e-01,  8.25195312e-02, -8.88671875e-02,
        -1.66015625e-01,  4.32128906e-02,  1.20605469e-01,  1.53320312e-01,
        -8.98437500e-02,  1.37695312e-01, -1.02539062e-01,  1.02050781e-01,
        -4.22363281e-02,  3.26171875e-01, -1.70898438e-01, -1.04003906e-01,
         3.22265625e-01, -1.66015625e-01,  1.05285645e-03, -1.40625000e-01,
         3.69140625e-01,  9.42382812e-02, -1.44531250e-01, -1.12304688e-01,
```

```
         7.42187500e-02, -7.12890625e-02, -7.66601562e-02,  1.95312500e-01,
        -9.61914062e-02, -1.88476562e-01,  1.53320312e-01,  1.37695312e-01,
        -2.03125000e-01, -2.59765625e-01,  9.21630859e-03, -1.42578125e-01,
        -1.25976562e-01,  2.53906250e-01, -5.66406250e-02,  1.17187500e-01,
         2.05078125e-02, -1.60156250e-01,  1.56250000e-01, -1.25976562e-01,
         1.47460938e-01,  2.00195312e-01, -1.61132812e-01,  7.17773438e-02,
        -1.56250000e-01, -8.64257812e-02,  9.27734375e-02, -1.84570312e-01,
         1.95312500e-01,  2.33398438e-01, -3.88671875e-01, -1.09863281e-02,
        -1.89208984e-02,  6.88476562e-02,  3.83300781e-02,  1.94335938e-01,
         2.66113281e-02,  8.25195312e-02,  2.65625000e-01,  1.03149414e-02,
        -9.71679688e-02, -2.28515625e-01, -3.83300781e-02, -1.19140625e-01,
         8.44726562e-02, -7.22656250e-02, -5.10253906e-02,  1.15722656e-01,
         1.87500000e-01,  1.55273438e-01, -1.85546875e-01, -1.76757812e-01,
        -3.66210938e-02,  1.38671875e-01, -1.19140625e-01, -9.70458984e-03,
        -8.25195312e-02,  4.27246094e-02, -9.15527344e-03, -2.40234375e-01,
         7.42187500e-02,  1.76757812e-01, -3.49609375e-01, -3.51562500e-01,
         1.27929688e-01, -7.37304688e-02,  4.29687500e-02,  6.44531250e-02,
         6.59179688e-02,  2.24609375e-02,  7.65991211e-03, -8.44726562e-02,
        -4.31640625e-01,  2.67578125e-01, -1.39648438e-01,  2.96630859e-02,
         4.24194336e-03,  1.09375000e-01, -4.73632812e-02,  3.19824219e-02,
         2.04101562e-01, -2.55126953e-02, -7.76367188e-02, -8.23974609e-03,
        -1.94335938e-01,  1.47460938e-01,  1.88476562e-01,  4.05273438e-02,
         1.37695312e-01,  1.39648438e-01,  8.30078125e-02,  2.88085938e-02,
        -3.54003906e-02, -1.66992188e-01,  1.43432617e-03, -2.07031250e-01,
         1.01562500e-01,  8.64257812e-02,  3.28125000e-01, -1.70898438e-01,
         1.02050781e-01,  9.15527344e-03,  1.04980469e-01,  3.19824219e-02,
         4.32128906e-02, -1.54296875e-01,  8.34960938e-02, -4.23431396e-04,
         1.65039062e-01, -6.34765625e-02,  1.19140625e-01, -5.71289062e-02,
        -8.69140625e-02,  6.98242188e-02,  1.45874023e-02,  2.13867188e-01,
         2.29492188e-01, -2.81250000e-01,  6.49414062e-02, -1.60156250e-01,
        -1.08642578e-02, -2.94921875e-01,  5.52368164e-03,  6.37817383e-03,
        -3.06640625e-01,  1.94335938e-01, -1.88476562e-01,  2.30468750e-01,
        -1.10839844e-01,  2.30712891e-02,  3.79943848e-03,  1.71875000e-01,
         2.08007812e-01, -8.10546875e-02, -2.17773438e-01, -4.90234375e-01,
        -1.45507812e-01,  2.02636719e-02, -2.27050781e-02,  4.15039062e-02,
        -3.44238281e-02,  7.42187500e-02,  9.76562500e-02,  8.39843750e-02,
         1.81640625e-01, -2.20947266e-02,  3.63769531e-02, -8.34960938e-02,
         1.04980469e-01,  8.20312500e-02, -2.71484375e-01, -5.82885742e-03,
         3.61328125e-01, -1.28906250e-01,  2.23632812e-01,  8.25195312e-02,
         1.20117188e-01,  6.62231445e-03,  1.09375000e-01, -3.39355469e-0
2],
       dtype=float32),
 'private': array([-0.07861328, -0.03491211,  0.02807617,  0.07666016, -0.1
4746094,
        -0.171875  , -0.05200195, -0.10595703,  0.21289062, -0.12890625,
         0.14746094, -0.11816406, -0.02490234, -0.06176758, -0.24707031,
         0.23339844,  0.07373047,  0.14160156,  0.01037598,  0.12207031,
         0.02001953, -0.10400391, -0.01867676,  0.36328125, -0.17578125,
         0.22851562, -0.16015625,  0.18457031, -0.11621094, -0.08642578,
         0.00263977, -0.03662109,  0.00439453, -0.21191406, -0.02844238,
        -0.17773438,  0.07373047, -0.11914062, -0.11083984, -0.03088379,
         0.06835938,  0.15332031,  0.07324219,  0.13574219,  0.03491211,
        -0.12988281, -0.05395508, -0.02307129, -0.08154297, -0.03686523,
         0.26367188,  0.12255859, -0.01916504, -0.08300781, -0.13964844,
         0.15722656, -0.12402344,  0.00231934,  0.08251953, -0.06738281,
         0.04443359,  0.01269531, -0.10351562,  0.04931641, -0.04199219,
         0.07519531,  0.02966309,  0.08886719,  0.08837891,  0.04760742,
        -0.16503906, -0.17285156,  0.28515625,  0.20605469,  0.09228516,
         0.10351562, -0.06933594,  0.0859375 , -0.01538086,  0.06933594,
         0.01586914, -0.11035156, -0.01635742,  0.04467773, -0.0480957 ,
         0.05078125, -0.04541016,  0.16015625, -0.0300293 ,  0.22851562,
        -0.06689453, -0.03369141, -0.06884766, -0.12304688,  0.03173828,
        -0.1484375 ,  0.17285156, -0.04052734, -0.07861328, -0.20117188,
        -0.02331543, -0.14160156,  0.11962891, -0.06787109,  0.07666016,
```

```
         0.04296875,  0.10009766,  0.14746094,  0.22949219,  0.04516602,
        -0.09716797,  0.07421875, -0.17675781, -0.11621094,  0.11425781,
        -0.00531006,  0.14941406, -0.22363281,  0.24316406,  0.35742188,
         0.08886719,  0.00309753, -0.03759766,  0.06347656,  0.05297852,
        -0.08154297,  0.03955078, -0.15039062,  0.29492188,  0.00915527,
        -0.15039062,  0.06176758,  0.00239563, -0.07714844,  0.18652344,
        -0.19238281, -0.06982422, -0.171875  ,  0.05297852, -0.14648438,
        -0.03930664, -0.2109375 , -0.08740234, -0.04492188, -0.07324219,
        -0.0456543 , -0.234375  ,  0.04907227,  0.140625  , -0.12255859,
         0.25585938,  0.08447266, -0.20703125,  0.06787109,  0.08056641,
         0.02233887,  0.03881836, -0.28710938, -0.10253906,  0.00230408,
        -0.19140625, -0.05004883, -0.01660156,  0.04272461, -0.03662109,
         0.24609375, -0.19726562, -0.17285156, -0.15234375, -0.13769531,
        -0.17382812, -0.0010376 ,  0.04614258, -0.11328125,  0.02331543,
        -0.05273438,  0.12011719, -0.04956055, -0.18945312, -0.10253906,
        -0.17675781, -0.01062012, -0.18847656,  0.04101562, -0.08642578,
         0.12207031,  0.22753906,  0.05639648,  0.05566406,  0.03100586,
        -0.06445312,  0.06298828,  0.06445312, -0.04541016, -0.24023438,
        -0.10839844, -0.15625   , -0.02966309,  0.15429688,  0.0703125 ,
         0.17871094,  0.2578125 ,  0.20019531, -0.13671875, -0.10986328,
        -0.05615234, -0.07519531, -0.01159668, -0.16015625, -0.08496094,
        -0.05273438, -0.125     ,  0.17871094, -0.05004883, -0.00750732,
         0.06787109, -0.02258301,  0.23828125, -0.03344727, -0.02819824,
        -0.05883789, -0.125     ,  0.02758789, -0.01452637,  0.08105469,
         0.01550293,  0.15722656,  0.19921875,  0.04248047, -0.09960938,
        -0.05688477, -0.19921875, -0.06347656, -0.02075195,  0.07421875,
        -0.03466797,  0.20996094, -0.07861328,  0.10839844, -0.01721191,
         0.12011719, -0.07568359,  0.03588867,  0.09326172, -0.01367188,
         0.02758789,  0.25      ,  0.04199219,  0.14648438, -0.13671875,
        -0.0246582 , -0.05932617,  0.14746094, -0.12792969,  0.03613281,
         0.11914062, -0.00643921,  0.15722656, -0.20019531,  0.26757812,
        -0.10742188,  0.16308594,  0.02722168,  0.23535156,  0.03833008,
         0.14746094, -0.24511719,  0.171875  , -0.08007812,  0.21679688,
        -0.04150391, -0.08496094,  0.375     , -0.140625  ,  0.01239014,
        -0.22851562,  0.18457031, -0.08642578,  0.23242188,  0.02282715,
        -0.30664062, -0.13183594,  0.11035156, -0.0234375 ,  0.06542969,
         0.14160156, -0.08740234,  0.07470703,  0.06494141,  0.16601562,
        -0.23730469, -0.03759766, -0.12597656,  0.13183594, -0.06494141,
         0.03295898, -0.05444336,  0.07324219, -0.03955078, -0.11914062],
       dtype=float32),
 'medical': array([-1.37695312e-01,  1.48437500e-01, -1.54418945e-02,  4.76
074219e-02,
        -1.64794922e-02,  1.16210938e-01,  3.27148438e-02, -1.81640625e-01,
        -1.16210938e-01, -3.96484375e-01, -4.73632812e-02, -6.78710938e-02,
         1.39770508e-02,  2.71484375e-01, -5.12695312e-02,  1.89453125e-01,
         1.14746094e-01,  1.00585938e-01, -5.56640625e-02,  1.37695312e-01,
         6.73828125e-02, -2.74658203e-02,  9.22851562e-02,  8.39843750e-02,
        -2.89306641e-02, -9.57031250e-02, -1.44531250e-01,  6.25000000e-02,
        -1.05285645e-03, -3.20312500e-01, -3.29589844e-02, -1.99218750e-01,
        -6.64062500e-02, -1.60156250e-01, -2.02148438e-01, -6.22558594e-02,
         1.29882812e-01,  1.43554688e-01, -9.52148438e-02, -4.37011719e-02,
        -4.76074219e-02, -8.78906250e-03, -1.12304688e-01, -5.79833984e-03,
         3.49121094e-02, -2.40234375e-01,  1.05468750e-01,  1.32812500e-01,
        -4.29687500e-02,  1.15234375e-01, -7.32421875e-02, -1.05468750e-01,
        -1.21582031e-01,  7.91015625e-02, -1.24023438e-01,  1.36718750e-01,
         7.12890625e-02,  2.28515625e-01,  1.03515625e-01, -1.98242188e-01,
        -1.17187500e-01,  6.31713867e-03,  2.75390625e-01, -8.88671875e-02,
         1.76757812e-01,  3.14453125e-01,  1.43432617e-02,  3.10546875e-01,
        -2.03125000e-01, -1.74804688e-01, -9.96093750e-02, -3.39355469e-02,
         1.56250000e-01, -1.12792969e-01, -2.57812500e-01,  1.62109375e-01,
        -7.27539062e-02, -5.95092773e-04, -1.09252930e-02,  1.05957031e-01,
        -3.52478027e-03,  1.86523438e-01, -9.71679688e-02,  9.32617188e-02,
        -5.29785156e-02, -3.86718750e-01, -1.66992188e-01,  3.19824219e-02,
        -2.89062500e-01, -8.49609375e-02,  4.58984375e-01,  5.90820312e-02,
```

```
         2.41210938e-01, -1.04003906e-01,  1.53320312e-01, -4.11987305e-03,
         3.08593750e-01,  7.81250000e-02,  8.97216797e-03, -4.29687500e-02,
         2.53295898e-03, -2.28515625e-01,  1.86523438e-01,  4.34570312e-02,
         4.98046875e-02,  5.00488281e-02,  2.24609375e-01, -1.68945312e-01,
         1.74804688e-01, -1.22558594e-01,  1.19140625e-01,  1.25000000e-01,
        -1.25976562e-01, -1.00097656e-01,  1.64794922e-02,  2.01416016e-02,
         2.66113281e-02, -5.68847656e-02,  2.67578125e-01,  1.80664062e-01,
        -2.57812500e-01, -2.71484375e-01, -4.76074219e-02, -6.34765625e-02,
         1.21093750e-01, -1.12304688e-01, -1.42578125e-01, -2.85156250e-01,
         7.51953125e-02,  2.00195312e-01, -3.75976562e-02, -3.93066406e-02,
        -1.67968750e-01, -1.73828125e-01, -7.17773438e-02, -2.06298828e-02,
        -1.75781250e-01, -3.46679688e-02, -2.70996094e-02,  1.87988281e-02,
         6.12792969e-02, -1.58203125e-01,  2.03132629e-04,  1.74804688e-01,
        -4.00390625e-02,  5.92041016e-03,  1.52343750e-01,  6.07910156e-02,
        -4.04296875e-01, -7.91015625e-02,  1.55273438e-01,  3.07617188e-02,
        -1.44531250e-01, -4.44335938e-02, -7.61718750e-02, -1.34765625e-01,
         6.15234375e-02, -1.95312500e-01,  5.51757812e-02, -2.83203125e-01,
         7.81250000e-02, -4.46777344e-02,  1.09863281e-01, -1.18408203e-02,
        -3.88183594e-02, -1.62109375e-01, -4.80957031e-02, -2.01171875e-01,
        -5.56640625e-02, -4.92187500e-01,  2.77343750e-01,  2.80761719e-02,
         1.35742188e-01, -2.50000000e-01,  2.05078125e-02, -3.32031250e-02,
         1.04003906e-01,  1.77001953e-03, -1.72851562e-01, -8.44726562e-02,
        -8.78906250e-02, -1.67968750e-01, -8.39843750e-02, -1.76757812e-01,
         1.75781250e-01, -2.50244141e-02, -3.32031250e-02,  6.44531250e-02,
         1.06445312e-01,  1.09375000e-01,  6.59179688e-03,  1.43554688e-01,
        -1.26342773e-02, -5.00488281e-02, -2.85644531e-02,  4.80957031e-02,
        -6.59179688e-02, -1.98242188e-01, -6.59179688e-02, -9.76562500e-02,
        -1.97265625e-01,  1.94335938e-01,  1.07910156e-01, -2.80761719e-02,
        -8.15429688e-02, -1.37695312e-01,  1.48437500e-01, -2.00195312e-01,
         1.81640625e-01, -1.91406250e-01,  3.71093750e-02, -8.39843750e-02,
        -1.11389160e-03, -4.44335938e-02,  2.31933594e-02, -4.98046875e-02,
         2.41699219e-02,  9.47265625e-02, -2.22656250e-01, -2.02148438e-01,
        -6.59179688e-02, -1.66992188e-01,  1.18164062e-01, -2.12890625e-01,
         1.79687500e-01, -5.93261719e-02, -8.93554688e-02, -6.29882812e-02,
        -9.71679688e-02,  6.73828125e-02,  1.76757812e-01,  2.03125000e-01,
         3.56445312e-02, -2.39257812e-01, -1.87500000e-01, -6.88476562e-02,
         5.71289062e-02,  2.36328125e-01, -2.78320312e-02, -1.07421875e-01,
         2.04101562e-01, -2.01171875e-01,  9.52148438e-02, -1.37695312e-01,
        -3.83300781e-02,  2.28515625e-01,  7.71484375e-02, -5.00488281e-02,
        -1.44531250e-01, -8.88671875e-02,  9.47265625e-02, -2.53906250e-01,
         2.50000000e-01,  1.49414062e-01,  7.17773438e-02,  2.43164062e-01,
         4.68750000e-02,  7.81250000e-02,  1.02050781e-01,  3.41796875e-01,
        -5.39550781e-02, -5.98144531e-02, -2.06054688e-01,  1.87988281e-02,
        -6.78710938e-02, -1.09375000e-01,  5.59082031e-02, -2.44140625e-01,
        -1.34765625e-01, -3.88183594e-02,  3.76892090e-03, -7.32421875e-02,
         2.15820312e-01, -1.57470703e-02,  1.18652344e-01, -9.47265625e-02,
        -1.05957031e-01, -3.30078125e-01, -1.23901367e-02,  4.51660156e-02,
         2.17773438e-01,  5.10253906e-02,  2.12890625e-01,  1.69921875e-01,
        -1.28906250e-01,  1.28906250e-01,  1.38549805e-02,  3.56445312e-02,
         2.28515625e-01,  2.35595703e-02, -2.53906250e-02, -1.11816406e-01,
        -1.78710938e-01,  2.34375000e-01,  1.58691406e-02,  2.35351562e-01,
        -1.05468750e-01,  1.18652344e-01,  1.96289062e-01,  1.98242188e-0
1],
       dtype=float32),
 'option': array([ 1.79687500e-01,  5.12695312e-03,  2.49023438e-01,  3.496
09375e-01,
        -1.41601562e-01,  1.57226562e-01,  2.65625000e-01, -1.52343750e-01,
         1.71875000e-01, -1.29882812e-01, -2.15820312e-01, -3.59375000e-01,
         2.49023438e-01, -1.36718750e-01, -9.58251953e-03,  2.22656250e-01,
         1.89453125e-01, -2.67578125e-01,  9.96093750e-02, -2.28515625e-01,
         8.78906250e-02,  1.24511719e-01, -1.97265625e-01,  1.76757812e-01,
         1.50146484e-02,  1.38671875e-01, -2.53906250e-01,  2.75390625e-01,
        -1.86523438e-01,  5.09643555e-03,  2.91015625e-01,  1.63085938e-01,
         8.64257812e-02, -9.37500000e-02,  1.71875000e-01,  1.31835938e-01,
```

```
 2.44140625e-01, -2.32421875e-01, -1.69921875e-01, -4.32128906e-02,
 1.25976562e-01, -1.25000000e-01,  8.49609375e-02,  7.47070312e-02,
-1.96289062e-01,  2.31933594e-02,  1.77734375e-01, -5.17578125e-02,
-2.41210938e-01, -7.62939453e-03, -2.72216797e-02, -1.36718750e-01,
 5.83496094e-02, -2.39257812e-01, -1.92382812e-01,  6.59179688e-02,
 1.15966797e-02,  2.80761719e-02, -1.80664062e-02, -1.28906250e-01,
-1.51367188e-01, -1.33789062e-01, -2.08007812e-01,  1.79687500e-01,
-1.04980469e-01, -1.31835938e-01, -2.65625000e-01,  1.97265625e-01,
-1.15722656e-01,  1.51367188e-01, -7.66601562e-02,  9.22851562e-02,
 1.44531250e-01, -5.92041016e-03, -5.29785156e-02, -4.66796875e-01,
-3.54003906e-03, -1.13281250e-01, -2.01171875e-01,  8.34960938e-02,
 1.77734375e-01,  2.40478516e-02,  1.74804688e-01,  9.81445312e-02,
 5.29785156e-02,  1.03515625e-01, -7.17773438e-02,  1.96289062e-01,
 3.43750000e-01, -6.68945312e-02,  1.30004883e-02,  1.62109375e-01,
-1.08886719e-01,  6.34765625e-02,  4.66308594e-02,  7.51953125e-02,
-1.29882812e-01,  1.49414062e-01,  6.64062500e-02, -1.96289062e-01,
 7.76367188e-02, -1.88476562e-01, -2.48046875e-01,  1.39648438e-01,
 2.80761719e-02, -1.37695312e-01,  7.81250000e-02, -2.91015625e-01,
-8.15429688e-02, -2.19726562e-03,  2.07031250e-01, -1.92871094e-02,
 1.36718750e-01, -6.64062500e-02,  7.42187500e-02,  1.06445312e-01,
 3.10546875e-01, -4.66308594e-02,  7.42187500e-02,  1.79687500e-01,
 2.85156250e-01,  7.37304688e-02,  4.00390625e-02,  3.08593750e-01,
-2.67333984e-02, -1.82617188e-01,  8.30078125e-02, -1.14257812e-01,
 1.11816406e-01,  1.10839844e-01,  5.63964844e-02, -6.64062500e-02,
-4.93164062e-02,  1.07421875e-01,  7.91015625e-02, -9.76562500e-02,
-1.40625000e-01, -6.49414062e-02,  1.00585938e-01,  2.92968750e-01,
 1.64062500e-01,  1.59912109e-02,  1.86523438e-01,  7.17773438e-02,
 2.06054688e-01, -1.64062500e-01, -2.12890625e-01, -1.54418945e-02,
-1.29882812e-01,  1.66015625e-02,  7.37304688e-02,  1.52343750e-01,
 5.85937500e-02, -1.88476562e-01, -5.24902344e-02,  9.58251953e-03,
-4.07714844e-02, -2.37304688e-01, -1.40625000e-01, -9.57031250e-02,
 5.27343750e-02,  2.28515625e-01,  2.10937500e-01, -9.52148438e-02,
-1.66015625e-01, -4.56542969e-02, -2.57812500e-01,  6.77490234e-03,
-1.38671875e-01, -2.08007812e-01, -4.78515625e-02,  1.80664062e-02,
-1.50390625e-01, -3.81469727e-03,  9.13085938e-02,  2.69775391e-02,
 1.63085938e-01, -3.41796875e-01,  2.78320312e-02,  1.11816406e-01,
-2.83203125e-01, -1.60156250e-01, -1.79687500e-01,  1.98974609e-02,
 1.08398438e-01, -1.28906250e-01,  1.41601562e-01,  6.93359375e-02,
 2.12890625e-01, -2.75390625e-01, -3.30078125e-01, -1.37695312e-01,
 4.05273438e-02, -2.18750000e-01, -2.38281250e-01,  1.34887695e-02,
-8.64257812e-02,  9.52148438e-02,  7.03125000e-02, -2.29492188e-01,
 3.75976562e-02, -8.15429688e-02, -7.12890625e-02, -1.66992188e-01,
 1.50390625e-01, -3.54003906e-02, -5.12695312e-02, -4.95605469e-02,
 1.41601562e-01, -6.17675781e-02,  1.47460938e-01,  2.27539062e-01,
-1.90429688e-01,  2.63671875e-01, -1.39648438e-01,  1.38671875e-01,
 2.61718750e-01, -8.44726562e-02, -4.56542969e-02,  1.42822266e-02,
 4.98046875e-02,  6.34765625e-02, -2.00195312e-01,  1.53320312e-01,
 1.16577148e-02,  2.06298828e-02, -9.46044922e-03, -1.12304688e-01,
-2.99072266e-02,  1.15722656e-01,  3.49121094e-02,  1.67968750e-01,
 3.24218750e-01,  1.21093750e-01, -1.17187500e-01,  2.41210938e-01,
 5.85937500e-02, -8.59375000e-02,  8.20312500e-02,  1.90429688e-01,
-1.33789062e-01, -1.47460938e-01,  3.54003906e-02, -8.34960938e-02,
 1.56250000e-01,  7.51953125e-02, -9.91210938e-02,  4.44335938e-02,
 1.66015625e-01, -1.18652344e-01, -1.07910156e-01, -3.36914062e-02,
 7.95898438e-02, -1.44531250e-01,  3.44238281e-02,  1.22558594e-01,
-8.00781250e-02,  7.50732422e-03, -1.57226562e-01,  9.39941406e-03,
 2.55126953e-02,  3.22265625e-01, -2.15820312e-01,  1.88350677e-05,
-1.86523438e-01,  6.88476562e-02, -3.90625000e-02,  1.32812500e-01,
-3.51562500e-01, -1.50390625e-01,  2.40234375e-01, -8.34960938e-02,
 1.49414062e-01, -3.78417969e-02, -4.63867188e-02,  1.79687500e-01,
 1.36718750e-01, -5.10253906e-02,  7.27539062e-02, -2.62451172e-02,
-7.59887695e-03,  6.34765625e-02, -2.34375000e-02, -6.12792969e-02,
-1.74804688e-01, -2.35595703e-02,  2.57812500e-01,  4.71191406e-02,
 9.03320312e-02, -1.77734375e-01, -1.90429688e-02,  2.22656250e-01,
```

```
        -7.22656250e-02, -5.20019531e-02,  7.86132812e-02,  2.33398438e-01,
        -8.05664062e-02, -7.17163086e-03, -1.42578125e-01,  2.85156250e-0
1],
       dtype=float32),
 'net': array([-0.13574219,  0.05029297, -0.07421875,  0.07568359,  0.05615
234,
        -0.28125   ,  0.09814453, -0.06640625,  0.3046875 ,  0.01123047,
        -0.10302734, -0.12353516,  0.02990723,  0.02197266, -0.03491211,
        -0.30859375,  0.04223633,  0.07763672,  0.08349609,  0.05126953,
         0.109375  ,  0.06347656, -0.14355469,  0.07421875,  0.25      ,
         0.02416992, -0.14941406, -0.05737305, -0.06079102,  0.05810547,
        -0.22851562, -0.04199219,  0.20410156,  0.02319336,  0.06298828,
        -0.07470703, -0.23925781, -0.05712891,  0.04321289,  0.2734375 ,
         0.09033203, -0.06298828,  0.09082031,  0.07324219, -0.00823975,
        -0.15722656,  0.10058594,  0.00793457,  0.20410156,  0.06494141,
        -0.03613281,  0.11328125,  0.13085938, -0.01287842,  0.05444336,
        -0.00386047,  0.24023438,  0.08740234, -0.05322266,  0.08300781,
        -0.06787109,  0.12988281, -0.09472656,  0.07470703,  0.12890625,
         0.07226562,  0.25      , -0.26953125,  0.28320312,  0.03955078,
         0.05175781, -0.33984375,  0.29882812, -0.16308594, -0.18066406,
        -0.06982422,  0.10839844,  0.00570679, -0.01928711, -0.09179688,
         0.05810547, -0.19140625, -0.24707031,  0.16210938,  0.22265625,
        -0.04248047,  0.13476562, -0.07910156,  0.04418945, -0.17089844,
         0.27539062,  0.08349609, -0.04077148,  0.11474609, -0.09765625,
        -0.09130859, -0.13378906, -0.09619141, -0.18945312,  0.08642578,
         0.06787109, -0.16894531,  0.16503906,  0.23730469,  0.31054688,
         0.01635742,  0.06738281,  0.12402344,  0.15039062, -0.03759766,
        -0.02111816,  0.16992188, -0.17871094,  0.09423828, -0.14648438,
         0.12060547, -0.0534668 ,  0.13769531, -0.13476562, -0.02697754,
         0.2890625 , -0.16113281, -0.375     , -0.00793457, -0.04101562,
         0.02770996, -0.04394531,  0.00793457,  0.18554688,  0.04077148,
        -0.0100708 , -0.00665283, -0.28710938, -0.04907227, -0.02368164,
         0.01916504,  0.18066406,  0.18945312, -0.19042969,  0.18066406,
         0.12011719, -0.14550781,  0.28125   ,  0.12060547,  0.05493164,
        -0.02978516, -0.01867676,  0.20410156, -0.07324219,  0.11230469,
         0.28320312,  0.01818848,  0.04077148,  0.16894531, -0.16992188,
         0.25585938, -0.04296875,  0.02441406,  0.15234375, -0.140625  ,
        -0.31640625,  0.30859375, -0.07421875, -0.28710938, -0.11865234,
         0.17773438, -0.00205994,  0.29492188,  0.00393677, -0.14648438,
        -0.09326172,  0.11083984, -0.24902344, -0.31640625, -0.06640625,
        -0.2421875 ,  0.33203125,  0.08398438, -0.13085938, -0.31835938,
        -0.2578125 , -0.26367188,  0.11621094,  0.22363281, -0.140625  ,
        -0.2421875 , -0.06054688,  0.11376953,  0.07226562,  0.2578125 ,
         0.14648438, -0.11083984, -0.296875  ,  0.14453125, -0.25585938,
         0.27539062, -0.02148438, -0.00469971, -0.06738281, -0.17089844,
        -0.34960938,  0.1484375 ,  0.22949219, -0.24414062,  0.07519531,
        -0.15917969, -0.25      ,  0.13769531, -0.04589844,  0.02722168,
        -0.109375  ,  0.29101562, -0.14648438,  0.45703125, -0.00741577,
         0.12011719,  0.04711914,  0.1875    ,  0.10400391, -0.19335938,
        -0.00390625,  0.25      , -0.02197266, -0.01623535, -0.04711914,
        -0.19140625,  0.07617188, -0.05297852,  0.3671875 , -0.08935547,
         0.07226562,  0.29101562,  0.01733398, -0.1640625 ,  0.31835938,
         0.18945312, -0.03613281, -0.45117188, -0.03344727,  0.02746582,
         0.26171875, -0.06933594,  0.34375   , -0.02880859, -0.06982422,
         0.15136719, -0.24316406,  0.13085938, -0.15039062,  0.02868652,
         0.11376953, -0.44335938,  0.01135254,  0.04052734,  0.16503906,
        -0.2421875 ,  0.09082031, -0.03344727, -0.17285156,  0.03271484,
         0.16503906,  0.19238281,  0.02197266, -0.15429688, -0.27734375,
         0.04663086, -0.01538086, -0.08837891,  0.03222656, -0.11816406,
         0.16210938, -0.05957031,  0.00778198, -0.23632812,  0.18457031,
         0.30273438, -0.38085938,  0.02478027,  0.11816406,  0.24707031,
        -0.13476562, -0.10791016, -0.17089844, -0.0625    , -0.07421875,
        -0.11425781,  0.0859375 ,  0.06982422,  0.08837891,  0.07714844,
        -0.04394531,  0.30664062, -0.14160156,  0.12792969, -0.06347656,
```

```
         0.01647949,  0.38671875, -0.140625  , -0.12060547, -0.42578125],
       dtype=float32),
 'tailored': array([-2.61718750e-01, -4.58984375e-02, -7.81250000e-02,  9.4
2382812e-02,
        -1.46484375e-01, -1.42211914e-02, -9.33837891e-03,  1.77383423e-04,
         1.30859375e-01, -2.08984375e-01, -2.67578125e-01,  1.70898438e-01,
        -3.93066406e-02,  1.02050781e-01,  4.78515625e-02,  1.29882812e-01,
        -2.57812500e-01,  3.28125000e-01,  1.45507812e-01, -6.64062500e-02,
         9.22851562e-02,  7.37304688e-02, -2.83203125e-01,  2.22656250e-01,
        -7.08007812e-02, -1.99218750e-01,  3.51562500e-02,  1.09863281e-01,
         3.19824219e-02, -1.71875000e-01, -4.80957031e-02,  9.61914062e-02,
         9.27734375e-02,  7.51953125e-02, -6.93359375e-02, -1.97265625e-01,
         1.26953125e-01, -2.85156250e-01, -1.66015625e-01, -1.10351562e-01,
         3.44238281e-02,  2.71484375e-01, -2.85156250e-01, -1.33789062e-01,
         1.27929688e-01, -4.33593750e-01, -9.81445312e-02,  2.16796875e-01,
         1.92382812e-01, -4.44335938e-02,  8.00781250e-02, -8.78906250e-02,
        -2.39257812e-01,  8.05664062e-02,  1.56250000e-02,  1.12304688e-01,
        -1.35742188e-01, -3.04687500e-01,  2.18750000e-01, -1.34765625e-01,
        -5.07812500e-02, -8.10546875e-02, -1.19140625e-01, -9.27734375e-02,
         1.72851562e-01, -1.21459961e-02, -3.02734375e-01, -4.49218750e-02,
         2.59765625e-01,  4.90722656e-02,  1.50390625e-01,  7.61718750e-02,
         1.51367188e-01,  1.92382812e-01, -1.36718750e-01,  4.66308594e-02,
         3.37890625e-01,  1.75781250e-01, -1.32812500e-01,  2.77343750e-01,
         1.65039062e-01,  1.15722656e-01, -3.67187500e-01,  1.75781250e-01,
        -4.37011719e-02, -1.84570312e-01, -1.91406250e-01, -1.52587891e-02,
         5.64575195e-03,  5.15136719e-02,  2.01171875e-01, -2.79296875e-01,
        -1.69921875e-01,  6.93359375e-02,  2.89062500e-01, -2.91015625e-01,
         8.97216797e-03, -2.67578125e-01, -2.63671875e-01, -1.02050781e-01,
        -5.12695312e-02, -1.29882812e-01, -2.89062500e-01,  5.46875000e-02,
        -2.51953125e-01, -2.67333984e-02,  2.69531250e-01,  1.60156250e-01,
         2.11914062e-01, -4.07714844e-02, -5.85937500e-02, -2.16796875e-01,
        -2.96875000e-01,  7.47070312e-02,  4.37500000e-01, -3.78417969e-02,
        -1.46484375e-01,  1.57470703e-02,  1.67968750e-01,  2.94921875e-01,
        -3.16406250e-01, -2.04101562e-01,  1.96289062e-01,  6.83593750e-02,
         2.27539062e-01,  4.73632812e-02, -9.37500000e-02, -7.27539062e-02,
         1.14746094e-01, -2.41088867e-03, -1.85546875e-01, -1.05957031e-01,
         1.70898438e-02,  2.63671875e-02, -1.79687500e-01, -8.72802734e-03,
         1.13281250e-01,  8.05664062e-02, -1.11328125e-01, -1.67968750e-01,
         1.49414062e-01, -9.22851562e-02, -1.58203125e-01,  1.50390625e-01,
         9.96093750e-02, -1.24511719e-02, -1.43554688e-01, -1.11816406e-01,
         2.08007812e-01,  4.98046875e-02, -1.03515625e-01, -9.86328125e-02,
        -2.81982422e-02, -3.75000000e-01, -2.43164062e-01, -2.59765625e-01,
        -1.96289062e-01,  1.58203125e-01, -1.10839844e-01, -6.68945312e-02,
         3.78417969e-02, -1.01562500e-01, -4.93164062e-02, -1.03759766e-02,
         4.83398438e-02,  8.25195312e-02,  1.53808594e-02,  5.46875000e-02,
        -8.59375000e-02,  1.02050781e-01, -1.94335938e-01, -2.02148438e-01,
        -1.25976562e-01, -1.81640625e-01,  8.44726562e-02,  4.83398438e-02,
         3.75000000e-01, -2.87109375e-01, -5.97656250e-01, -4.22363281e-02,
        -2.67578125e-01, -2.71484375e-01, -1.42578125e-01,  9.71679688e-02,
        -2.91015625e-01, -3.26171875e-01, -2.77343750e-01,  8.64257812e-02,
        -2.39257812e-01, -2.04101562e-01, -1.09375000e-01, -5.63964844e-02,
         2.71484375e-01, -2.00195312e-01, -2.50244141e-02, -1.15722656e-01,
         1.94335938e-01,  8.74023438e-02,  4.63867188e-02, -1.13769531e-01,
         1.19628906e-01,  1.33666992e-02, -1.65039062e-01,  4.61425781e-02,
        -2.13867188e-01, -7.95898438e-02,  1.83105469e-02,  3.54003906e-02,
         9.32617188e-02, -1.16699219e-01, -1.70898438e-02,  2.42919922e-02,
        -1.41601562e-02, -1.16699219e-01,  2.77343750e-01, -1.57226562e-01,
         2.57812500e-01, -7.51953125e-02, -1.20605469e-01,  7.69042969e-03,
        -1.21582031e-01, -3.34167480e-03, -2.96875000e-01, -2.49023438e-01,
        -4.32128906e-02, -2.01171875e-01,  3.80859375e-02, -1.85546875e-01,
        -1.81640625e-01, -1.28906250e-01, -5.39550781e-02, -1.07910156e-01,
         6.64062500e-02, -3.96728516e-03,  4.88281250e-02, -9.32617188e-02,
        -2.16796875e-01,  2.69531250e-01,  1.06445312e-01,  1.66015625e-01,
         1.57226562e-01,  6.93359375e-02, -1.00097656e-01,  5.83496094e-02,
```

```
         3.80859375e-01, -1.68945312e-01, -2.75390625e-01,  2.30468750e-01,
        -8.10546875e-02, -1.72851562e-01, -1.09863281e-01,  3.22265625e-01,
         1.19628906e-02,  2.18750000e-01,  1.83593750e-01,  8.39843750e-02,
        -2.73437500e-01, -3.00781250e-01, -4.83398438e-02, -1.04980469e-01,
        -8.88671875e-02,  1.75781250e-01, -7.32421875e-02, -1.62109375e-01,
         8.05664062e-02,  1.02539062e-01, -3.66210938e-02, -6.68945312e-02,
        -3.04687500e-01, -1.45507812e-01, -1.81640625e-01,  8.25195312e-02,
        -2.07031250e-01,  2.42187500e-01,  1.04492188e-01, -3.35937500e-01,
        -1.18652344e-01, -1.89208984e-02,  2.22167969e-02,  4.80957031e-02,
        -3.51562500e-01,  5.24902344e-02,  9.52148438e-02, -1.39617920e-03,
        -1.27929688e-01,  2.49023438e-01, -4.27246094e-02,  1.31835938e-01,
         3.78906250e-01, -6.49414062e-02, -1.01074219e-01, -3.19824219e-02,
         7.66601562e-02, -1.12792969e-01,  2.89062500e-01,  3.10058594e-02,
         1.73828125e-01,  8.39843750e-02,  1.38671875e-01,  1.11816406e-0
1],
       dtype=float32),
 'financial': array([-0.09277344, -0.02441406, -0.14550781, -0.01843262,
0.12109375,
        -0.15625   , -0.0055542 , -0.05493164,  0.12255859, -0.08496094,
        -0.24707031,  0.02929688, -0.17871094,  0.21289062,  0.07617188,
         0.17578125, -0.10546875,  0.04882812, -0.05639648, -0.10205078,
        -0.08789062,  0.05639648,  0.07275391, -0.203125  ,  0.29296875,
         0.06738281, -0.01879883,  0.07666016,  0.12402344, -0.0625    ,
         0.02404785, -0.11376953,  0.17675781, -0.03588867,  0.00646973,
         0.00842285,  0.20800781,  0.08203125,  0.00343323,  0.01953125,
         0.12109375,  0.03466797, -0.09716797, -0.05004883, -0.0559082 ,
        -0.1953125 ,  0.16015625,  0.1875    , -0.12988281,  0.3671875 ,
         0.20800781,  0.07763672, -0.22167969,  0.03735352,  0.03417969,
         0.21679688, -0.10986328, -0.00765991,  0.21386719, -0.14746094,
        -0.15527344,  0.02429199,  0.0177002 ,  0.00970459, -0.02453613,
        -0.2109375 ,  0.17480469,  0.20605469,  0.13378906, -0.01373291,
         0.05126953, -0.09960938,  0.18164062, -0.15625   ,  0.13574219,
         0.03295898,  0.08300781,  0.21679688, -0.02502441, -0.1328125 ,
        -0.19140625,  0.08496094, -0.2578125 ,  0.17871094, -0.0050354 ,
         0.17773438, -0.06689453, -0.14257812, -0.31835938, -0.11572266,
         0.45703125, -0.26757812,  0.22363281,  0.01940918, -0.14355469,
        -0.28710938,  0.15527344,  0.05224609,  0.20800781,  0.09130859,
         0.03466797,  0.08349609, -0.01696777,  0.07421875, -0.07666016,
         0.02978516, -0.13671875,  0.25      ,  0.19726562, -0.12597656,
         0.02929688,  0.12695312, -0.05273438, -0.24609375, -0.05957031,
        -0.06030273, -0.06738281, -0.01049805,  0.49609375,  0.27148438,
        -0.06982422, -0.08105469, -0.171875  ,  0.05102539,  0.13183594,
        -0.11181641, -0.21972656, -0.12060547,  0.01080322,  0.0703125 ,
        -0.16796875, -0.12890625, -0.24023438, -0.12890625,  0.11425781,
         0.01049805,  0.05200195, -0.10644531, -0.01159668,  0.20507812,
         0.02526855, -0.18066406,  0.0402832 ,  0.08105469,  0.00537109,
         0.0546875 ,  0.21386719,  0.18066406, -0.02319336,  0.25976562,
         0.0255127 , -0.01574707,  0.03051758,  0.02941895, -0.06835938,
        -0.12353516, -0.0859375 , -0.19238281,  0.02612305, -0.01806641,
         0.1328125 , -0.13085938,  0.13769531,  0.06176758,  0.07666016,
         0.02368164, -0.1328125 , -0.12597656, -0.01660156, -0.04833984,
        -0.02270508, -0.19042969,  0.21289062, -0.1953125 ,  0.00279236,
        -0.11279297,  0.11816406,  0.26757812, -0.078125  , -0.32421875,
        -0.14160156, -0.11328125, -0.00964355, -0.13867188,  0.17675781,
        -0.32617188, -0.23046875,  0.17871094,  0.1875    ,  0.20214844,
        -0.20800781, -0.078125  , -0.10693359, -0.02770996, -0.08300781,
        -0.02624512, -0.140625  , -0.359375  ,  0.14257812, -0.33789062,
        -0.34375   ,  0.10009766,  0.05493164,  0.05078125,  0.17675781,
         0.07763672,  0.04663086, -0.03857422,  0.01904297, -0.08789062,
        -0.10595703,  0.04272461,  0.04199219,  0.24414062,  0.08837891,
        -0.02258301, -0.19824219,  0.05932617, -0.11083984, -0.21875   ,
         0.02246094, -0.09814453, -0.0378418 , -0.10205078,  0.05444336,
        -0.15234375,  0.17480469,  0.03198242,  0.00787354,  0.05175781,
        -0.06494141,  0.00291443,  0.07617188, -0.03442383, -0.01867676,
```

```
         0.03564453,  0.13769531, -0.19921875, -0.0144043 ,  0.02832031,
         0.12695312,  0.02050781, -0.07421875,  0.03198242, -0.01263428,
        -0.18457031,  0.14355469, -0.31835938,  0.01708984, -0.140625  ,
        -0.14648438, -0.00570679, -0.06030273,  0.09326172, -0.01000977,
        -0.07763672,  0.07128906,  0.09228516, -0.04980469,  0.24023438,
        -0.02282715, -0.07666016,  0.08251953,  0.08691406, -0.34765625,
         0.234375  , -0.12207031, -0.04101562, -0.38085938, -0.07568359,
        -0.10107422,  0.18066406,  0.08935547, -0.00184631, -0.1640625 ,
         0.03344727,  0.02832031, -0.03833008, -0.05029297, -0.00086975,
        -0.17578125, -0.02624512,  0.03979492, -0.13769531,  0.00805664,
         0.11572266, -0.18066406,  0.10449219,  0.171875  ,  0.01306152,
        -0.22070312,  0.14941406, -0.14746094, -0.11376953, -0.05810547,
         0.10888672, -0.18359375,  0.29296875, -0.04638672, -0.15917969],
       dtype=float32),
 'elected': array([-0.01080322, -0.18554688,  0.06396484,  0.05834961, -0.2
1289062,
        -0.4921875 , -0.03735352, -0.10742188,  0.18066406, -0.02636719,
        -0.0703125 ,  0.02380371, -0.26953125, -0.00427246, -0.02832031,
         0.13476562,  0.17675781,  0.25976562,  0.07421875, -0.04125977,
        -0.05981445,  0.11572266,  0.03613281, -0.20898438, -0.09082031,
        -0.28125   , -0.07177734,  0.07177734, -0.12890625,  0.01623535,
         0.26757812,  0.07714844, -0.07080078,  0.08447266,  0.20214844,
        -0.08935547,  0.1796875 ,  0.05444336, -0.20019531,  0.3203125 ,
         0.25976562, -0.00897217,  0.19433594, -0.24902344, -0.43554688,
        -0.14160156,  0.2578125 ,  0.03417969, -0.36523438,  0.24023438,
        -0.05004883, -0.0390625 ,  0.11865234,  0.08154297, -0.140625  ,
         0.17675781, -0.11914062,  0.22851562, -0.00173187, -0.11279297,
        -0.00878906,  0.08544922, -0.13574219,  0.06542969, -0.04199219,
         0.11474609, -0.07226562,  0.32617188,  0.23144531, -0.04516602,
         0.28515625,  0.06933594, -0.11474609, -0.11767578, -0.16210938,
        -0.23632812,  0.01965332,  0.02770996,  0.21289062, -0.15234375,
        -0.11328125, -0.04614258,  0.18554688,  0.12792969, -0.16503906,
        -0.16113281, -0.10986328, -0.1796875 ,  0.15429688,  0.08007812,
         0.33398438, -0.27148438, -0.07763672,  0.15917969, -0.13378906,
         0.02160645, -0.05444336,  0.07421875,  0.15332031,  0.05883789,
        -0.04882812, -0.07470703,  0.00289917,  0.13476562, -0.05151367,
        -0.22460938, -0.08935547, -0.19726562,  0.04736328, -0.10058594,
        -0.11474609, -0.02307129, -0.1953125 ,  0.09716797,  0.01086426,
        -0.2890625 ,  0.25390625, -0.17382812,  0.05444336, -0.12597656,
        -0.13085938,  0.10449219,  0.0324707 , -0.01013184, -0.09472656,
        -0.05517578, -0.08789062, -0.24804688,  0.02941895, -0.12890625,
         0.07226562, -0.25585938, -0.08203125,  0.03039551, -0.07714844,
         0.01116943, -0.45703125,  0.01416016,  0.24023438,  0.29296875,
        -0.29882812,  0.22363281, -0.2734375 , -0.11572266, -0.12353516,
         0.11181641, -0.17382812, -0.21679688,  0.52734375,  0.11767578,
        -0.04711914, -0.0246582 , -0.10595703,  0.49414062,  0.31445312,
         0.08203125, -0.22363281, -0.12207031,  0.21679688, -0.24316406,
         0.04052734,  0.20214844,  0.0480957 , -0.06738281, -0.21386719,
        -0.21484375,  0.05249023,  0.13769531,  0.15234375,  0.10742188,
        -0.17382812,  0.13378906,  0.06152344, -0.08691406,  0.07324219,
        -0.07763672, -0.02758789, -0.04956055, -0.22363281, -0.19921875,
        -0.10351562,  0.17871094, -0.11865234, -0.19238281,  0.23828125,
         0.0546875 ,  0.11035156,  0.11523438,  0.0088501 ,  0.25585938,
         0.01324463,  0.23828125, -0.12695312,  0.08886719,  0.06176758,
         0.03076172,  0.10791016,  0.20605469,  0.125     , -0.04663086,
        -0.296875  ,  0.17773438,  0.19238281, -0.25      , -0.171875  ,
        -0.09082031,  0.23925781, -0.23242188, -0.01831055, -0.19824219,
        -0.02270508,  0.4140625 ,  0.00836182,  0.0090332 ,  0.06103516,
        -0.03051758, -0.26953125, -0.22558594,  0.11669922, -0.16308594,
         0.00276184,  0.07421875, -0.0703125 ,  0.3828125 ,  0.43359375,
         0.02172852,  0.05078125,  0.2578125 ,  0.04370117,  0.13183594,
        -0.09570312,  0.03808594,  0.13769531, -0.10058594,  0.0324707 ,
         0.27734375,  0.10888672, -0.20117188,  0.08740234,  0.11865234,
        -0.02905273, -0.15429688,  0.14746094, -0.02844238,  0.11376953,
```

```
        -0.07177734,  0.03955078,  0.02978516, -0.02233887, -0.07958984,
        -0.34375   , -0.07617188,  0.06835938,  0.18261719, -0.07714844,
         0.265625  ,  0.10595703, -0.02172852,  0.09326172, -0.13671875,
        -0.09033203,  0.13964844,  0.01647949,  0.10595703,  0.13671875,
        -0.22070312,  0.15429688,  0.23925781, -0.34960938, -0.09667969,
         0.09814453, -0.06005859, -0.1328125 , -0.13964844, -0.0703125 ,
        -0.07128906, -0.03979492, -0.06640625, -0.09765625,  0.12890625,
         0.02526855, -0.12792969, -0.06079102,  0.09667969, -0.02050781,
         0.01409912, -0.20898438,  0.08105469,  0.3046875 , -0.01300049,
        -0.04467773, -0.11279297, -0.23046875, -0.18164062, -0.21679688,
        -0.10986328,  0.04833984,  0.00139618, -0.03955078, -0.16210938],
       dtype=float32),
 'voluntary': array([-8.00781250e-02, -1.20117188e-01,  2.17773438e-01,  9.
76562500e-02,
        -3.58886719e-02, -4.66308594e-02,  4.05273438e-02,  1.46484375e-01,
         3.51562500e-01,  1.62109375e-01,  7.86132812e-02, -8.10546875e-02,
        -5.51757812e-02,  1.53320312e-01, -3.32031250e-01,  5.46875000e-02,
         2.53906250e-01, -1.66320801e-03, -1.39648438e-01,  4.10156250e-02,
         1.10839844e-01, -8.20312500e-02, -2.94921875e-01,  2.77343750e-01,
        -6.68945312e-02,  3.03955078e-02, -3.10546875e-01,  1.85546875e-01,
         2.13867188e-01, -9.17968750e-02, -2.22656250e-01, -2.26562500e-01,
         1.59179688e-01, -1.65039062e-01, -1.22070312e-01, -2.05078125e-01,
         7.27539062e-02,  1.26953125e-01,  1.42578125e-01, -4.12597656e-02,
        -2.07031250e-01, -3.29589844e-02, -5.31005859e-03,  2.94189453e-02,
        -1.60156250e-01, -2.38281250e-01, -2.51953125e-01, -3.00781250e-01,
         3.90625000e-03, -9.52148438e-02,  5.76171875e-02, -2.87109375e-01,
        -1.93359375e-01,  1.92382812e-01,  4.44335938e-02,  1.61132812e-02,
        -2.83203125e-01, -1.10839844e-01, -2.51953125e-01, -1.36718750e-01,
        -1.80664062e-01,  4.24804688e-02, -2.65625000e-01, -6.43920898e-03,
         2.26562500e-01, -3.17382812e-02,  1.57470703e-02,  2.87109375e-01,
         6.64062500e-02, -1.89453125e-01,  7.42187500e-02, -7.81250000e-02,
         1.58691406e-02,  2.19726562e-01,  9.76562500e-02, -3.16406250e-01,
         2.65625000e-01, -1.16210938e-01,  1.26953125e-01, -5.49316406e-02,
        -9.22851562e-02, -3.32031250e-01, -2.91748047e-02, -1.79443359e-02,
         4.66308594e-02,  9.32617188e-02,  1.94091797e-02, -1.67968750e-01,
         3.63281250e-01, -8.78906250e-02,  1.09375000e-01,  6.49414062e-02,
        -5.37109375e-02, -2.77343750e-01,  2.38281250e-01,  2.85156250e-01,
         4.54101562e-02, -1.08398438e-01, -9.52148438e-03, -2.13867188e-01,
         3.24707031e-02,  1.08398438e-01, -2.02148438e-01,  2.92968750e-01,
         3.83300781e-02, -2.03125000e-01,  4.71191406e-02,  7.66601562e-02,
         2.11914062e-01, -1.32812500e-01, -1.49414062e-01,  1.61132812e-01,
        -2.31445312e-01, -2.24609375e-02,  5.27343750e-02,  5.56640625e-02,
         1.43554688e-01,  3.80859375e-02,  2.67578125e-01,  2.24609375e-01,
         1.51367188e-01,  2.16796875e-01, -2.57812500e-01,  1.20117188e-01,
        -3.73535156e-02,  7.32421875e-02,  3.61328125e-01, -1.07421875e-01,
         7.86132812e-02,  1.60156250e-01, -2.28515625e-01, -1.34277344e-03,
        -7.76367188e-02, -2.79296875e-01, -1.83593750e-01, -1.16210938e-01,
        -2.61718750e-01,  5.73730469e-02, -1.36108398e-02, -1.68945312e-01,
        -6.25000000e-02, -6.98242188e-02, -7.71484375e-02, -1.14257812e-01,
        -6.44531250e-02,  1.90429688e-01, -5.12695312e-02,  1.26953125e-01,
        -7.91015625e-02, -1.78710938e-01,  3.78906250e-01,  1.67236328e-02,
        -9.57031250e-02,  1.66015625e-01,  1.97265625e-01, -1.18164062e-01,
         2.85156250e-01, -1.21582031e-01, -4.32128906e-02,  2.34375000e-01,
        -6.03027344e-02,  3.97949219e-02, -2.84423828e-02, -1.74560547e-02,
         1.36718750e-01,  3.54003906e-02, -2.30468750e-01, -1.29882812e-01,
         2.23388672e-02, -2.09960938e-01,  1.08398438e-01, -2.89062500e-01,
        -1.31835938e-01, -1.52343750e-01,  1.16699219e-01, -6.54296875e-02,
         3.41796875e-01, -1.22558594e-01, -7.91015625e-02,  1.84570312e-01,
        -3.20312500e-01, -2.81250000e-01, -1.23901367e-02,  1.71875000e-01,
         9.52148438e-02,  1.23535156e-01, -3.49121094e-02,  2.92968750e-02,
        -1.27563477e-02,  3.97949219e-02, -4.49218750e-01,  2.32421875e-01,
         2.08007812e-01, -1.31835938e-01, -2.05078125e-01, -1.19140625e-01,
        -1.01562500e-01, -8.88671875e-02, -7.91015625e-02,  1.73828125e-01,
         9.22851562e-02, -3.81469727e-03,  5.59082031e-02,  1.08398438e-01,
```

```
         2.35595703e-02,  6.49414062e-02, -5.68389893e-04,  1.37939453e-02,
         4.19921875e-02, -2.67578125e-01,  7.37304688e-02, -1.03027344e-01,
         1.32812500e-01,  7.95898438e-02,  1.36718750e-01, -4.63867188e-02,
         2.27539062e-01,  1.14746094e-01, -1.53198242e-02, -5.39550781e-02,
        -1.79687500e-01, -1.75781250e-01,  3.66210938e-02,  1.96289062e-01,
         1.72851562e-01, -9.03320312e-02,  3.80859375e-01, -1.35742188e-01,
         1.99218750e-01,  4.44335938e-02,  7.08007812e-02,  1.81640625e-01,
         3.37890625e-01,  2.92968750e-03,  2.07031250e-01, -1.60156250e-01,
        -1.25122070e-02, -4.95605469e-02,  4.76074219e-02, -1.11816406e-01,
        -4.41894531e-02, -1.19628906e-01,  1.92382812e-01,  9.22851562e-02,
        -2.59765625e-01, -6.07910156e-02,  1.20117188e-01,  1.40625000e-01,
         6.98242188e-02, -2.45117188e-01,  1.22680664e-02,  4.07714844e-02,
        -8.44726562e-02, -1.89453125e-01,  1.70898438e-01, -2.11914062e-01,
         1.45507812e-01, -8.97216797e-03,  4.68750000e-02,  3.59375000e-01,
         1.02539062e-01, -9.03320312e-02, -2.34375000e-02,  4.07714844e-02,
        -5.81054688e-02, -8.64257812e-02,  4.66918945e-03,  2.09960938e-01,
        -2.79296875e-01,  5.40161133e-03,  1.02050781e-01,  2.80761719e-02,
         2.73437500e-01,  9.21630859e-03, -6.68945312e-02, -1.99218750e-01,
        -1.07421875e-01, -1.58203125e-01,  2.07031250e-01,  2.90527344e-02,
        -2.37304688e-01,  3.03649902e-03,  2.67333984e-02, -2.77343750e-01,
         1.06933594e-01,  8.15429688e-02,  5.46875000e-02,  2.29835510e-04,
         1.21093750e-01,  1.46484375e-01, -3.10546875e-01,  5.73730469e-02,
        -5.51757812e-02,  5.56640625e-02, -2.65625000e-01,  1.04980469e-01,
        -6.05468750e-02,  2.61718750e-01,  3.35693359e-03, -2.08984375e-0
1],
       dtype=float32),
 'provides': array([-0.13085938, -0.22167969, -0.1328125 , -0.17089844,  0.
15722656,
         0.0546875 ,  0.06933594, -0.06835938,  0.02832031,  0.06591797,
        -0.41796875, -0.08251953, -0.0625    ,  0.203125  ,  0.33789062,
         0.31640625, -0.21191406,  0.27929688, -0.29882812, -0.00970459,
        -0.14941406,  0.05200195, -0.34960938,  0.35742188, -0.06689453,
        -0.17480469, -0.14941406,  0.31835938, -0.17578125, -0.0456543 ,
         0.07958984, -0.25      , -0.16796875,  0.0324707 ,  0.1328125 ,
         0.10058594, -0.23144531, -0.16015625, -0.14355469, -0.08935547,
         0.03088379,  0.17773438,  0.04052734,  0.18554688, -0.25390625,
        -0.28710938, -0.15234375, -0.04931641,  0.09179688,  0.08398438,
        -0.18847656, -0.02746582,  0.1171875 , -0.10449219, -0.06982422,
         0.11181641, -0.19921875, -0.05078125,  0.11767578,  0.00976562,
         0.13476562, -0.02929688, -0.21777344, -0.37304688, -0.10546875,
        -0.0145874 , -0.08447266, -0.05981445,  0.04614258, -0.078125  ,
         0.15625   ,  0.04492188,  0.16308594,  0.0390625 ,  0.24023438,
        -0.34960938,  0.09423828,  0.10595703,  0.07958984,  0.28710938,
        -0.0402832 ,  0.04052734, -0.08837891,  0.16210938,  0.0559082 ,
        -0.00793457, -0.31445312, -0.203125  ,  0.03637695, -0.15332031,
         0.00744629, -0.25      ,  0.18261719, -0.0045166 , -0.125     ,
        -0.08056641,  0.0703125 ,  0.31640625,  0.17382812,  0.0612793 ,
         0.11865234, -0.04052734, -0.30664062,  0.09960938, -0.375     ,
         0.11425781,  0.01611328,  0.19238281, -0.21679688,  0.0625    ,
        -0.28125   ,  0.02783203, -0.20410156, -0.06298828,  0.17480469,
         0.28125   , -0.12255859,  0.23828125,  0.32617188,  0.06787109,
         0.16210938, -0.18554688, -0.09960938,  0.16210938,  0.21484375,
         0.13085938, -0.23046875, -0.11669922,  0.18066406,  0.29101562,
        -0.01312256,  0.16113281, -0.14160156,  0.03100586,  0.08203125,
        -0.09716797,  0.48828125,  0.0088501 , -0.11181641, -0.11083984,
         0.1875    ,  0.09912109, -0.01965332,  0.1484375 ,  0.03088379,
        -0.14355469, -0.22460938, -0.28515625,  0.02600098, -0.0201416 ,
         0.20214844,  0.03979492, -0.04248047, -0.20800781, -0.10351562,
        -0.00613403,  0.29101562,  0.09960938, -0.22265625, -0.27929688,
         0.2421875 , -0.00415039, -0.23535156,  0.03540039, -0.03320312,
        -0.02197266, -0.02331543, -0.13378906,  0.0267334 , -0.21679688,
        -0.16992188, -0.16796875,  0.21972656,  0.04077148,  0.06445312,
        -0.06591797, -0.06787109, -0.20996094, -0.15234375,  0.2890625 ,
        -0.44140625, -0.14941406,  0.20703125, -0.19238281, -0.48242188,
```

```
        -0.18066406, -0.13867188, -0.12695312,  0.08007812,  0.00285339,
        -0.01696777, -0.15234375,  0.17382812, -0.24511719, -0.07226562,
         0.12695312, -0.21777344, -0.41015625,  0.07910156, -0.40234375,
         0.10058594, -0.02185059, -0.23242188,  0.01507568, -0.13476562,
         0.06982422,  0.05004883,  0.12890625,  0.09326172, -0.04663086,
         0.06152344,  0.0402832 ,  0.15136719,  0.13183594,  0.07128906,
         0.17871094,  0.18261719,  0.23632812, -0.17675781,  0.07275391,
         0.12792969, -0.16601562,  0.03662109,  0.10693359, -0.10107422,
         0.18652344, -0.06933594, -0.25390625, -0.11328125,  0.12988281,
        -0.08886719, -0.03515625,  0.18359375,  0.17089844, -0.09277344,
         0.15625   , -0.01586914,  0.08251953,  0.01745605,  0.09326172,
         0.06298828,  0.11816406,  0.06835938, -0.13671875, -0.07568359,
         0.1015625 , -0.04003906,  0.40234375,  0.08691406, -0.31445312,
        -0.10644531, -0.07958984, -0.07128906,  0.07470703, -0.13574219,
         0.17773438, -0.10742188, -0.20019531, -0.24316406,  0.24316406,
        -0.04638672, -0.15136719,  0.14453125, -0.11279297, -0.19628906,
         0.26367188,  0.02355957, -0.203125  , -0.12792969, -0.05639648,
         0.00358582,  0.1484375 , -0.19726562, -0.02844238,  0.2578125 ,
        -0.04370117,  0.10351562, -0.08496094,  0.0177002 , -0.0378418 ,
        -0.3203125 , -0.125     , -0.05126953,  0.37304688, -0.02429199,
         0.02709961, -0.0612793 ,  0.02404785, -0.02563477, -0.09619141,
        -0.13476562, -0.04101562,  0.05883789,  0.28320312, -0.1796875 ,
         0.24902344,  0.21191406,  0.07861328,  0.16210938,  0.19628906],
       dtype=float32),
 'solution': array([ 2.69775391e-02, -2.41210938e-01, -3.36914062e-02,  2.4
4140625e-01,
        -9.71679688e-02,  2.11914062e-01,  3.08593750e-01, -1.75781250e-01,
         1.04492188e-01,  2.01416016e-02,  1.04980469e-02, -3.10546875e-01,
         7.03125000e-02, -1.80664062e-01,  1.40991211e-02,  2.05078125e-01,
         1.71875000e-01, -1.56250000e-01, -5.27343750e-02, -3.39843750e-01,
         1.66015625e-01,  3.02734375e-01, -9.61914062e-02,  1.75781250e-01,
        -1.69921875e-01,  1.51367188e-01, -2.00195312e-01,  4.29687500e-02,
         7.08007812e-02, -2.98828125e-01,  1.83593750e-01,  1.26953125e-01,
        -2.32421875e-01,  1.89208984e-02,  2.29492188e-01, -1.42822266e-02,
         1.09375000e-01, -2.69531250e-01,  1.73828125e-01,  3.66210938e-02,
        -1.75476074e-03,  6.07910156e-02, -5.95703125e-02, -7.27539062e-02,
        -2.53906250e-01, -5.46875000e-02, -1.95312500e-01, -1.39648438e-01,
        -2.38281250e-01,  1.29882812e-01,  3.88183594e-02, -2.78320312e-02,
        -1.87500000e-01, -3.22265625e-01,  1.91406250e-01,  1.89208984e-02,
        -8.88671875e-02, -8.74023438e-02,  1.08886719e-01, -2.11914062e-01,
         1.59179688e-01,  1.30859375e-01, -2.17773438e-01,  7.81250000e-02,
        -1.53320312e-01,  1.99218750e-01, -1.75781250e-01,  1.80664062e-01,
         7.42187500e-02,  4.00390625e-02,  1.33789062e-01,  2.26562500e-01,
         7.12890625e-02, -4.34570312e-02, -4.79125977e-03, -2.27539062e-01,
         1.36718750e-02,  7.56835938e-03,  5.54199219e-02,  7.12890625e-02,
         1.19628906e-01,  2.08984375e-01, -2.49862671e-04, -1.66015625e-01,
         3.22265625e-01,  2.46582031e-02, -8.74023438e-02, -1.95312500e-02,
         2.23632812e-01,  3.43322754e-03,  2.21679688e-01, -2.11914062e-01,
        -1.17675781e-01,  1.37695312e-01, -2.43164062e-01, -1.02539062e-01,
        -2.03125000e-01,  8.20312500e-02,  9.32617188e-02,  6.10351562e-02,
        -1.55273438e-01, -2.38037109e-02, -6.54296875e-02, -5.90820312e-02,
        -1.39770508e-02,  1.11816406e-01,  1.35742188e-01, -1.28906250e-01,
         1.69921875e-01, -1.70898438e-01,  2.65625000e-01, -2.40234375e-01,
         7.66601562e-02,  5.46875000e-02,  1.35498047e-02,  2.09960938e-01,
        -5.59082031e-02, -1.46484375e-01,  6.00585938e-02,  2.41088867e-03,
        -9.37500000e-02,  1.19628906e-01, -3.73535156e-02, -2.65625000e-01,
         1.15966797e-02, -6.80541992e-03, -1.24023438e-01,  7.91015625e-02,
         2.27539062e-01, -1.37695312e-01,  1.57226562e-01,  2.19726562e-01,
        -5.68847656e-02, -4.63867188e-02, -6.73828125e-02, -3.73535156e-02,
         1.86523438e-01, -5.37109375e-02,  2.38281250e-01,  1.23046875e-01,
         3.12500000e-02, -2.12890625e-01,  3.80859375e-01,  1.64062500e-01,
         3.63769531e-02, -2.01171875e-01, -3.39843750e-01, -1.60156250e-01,
         3.17382812e-02,  9.96093750e-02,  1.08886719e-01,  4.51660156e-02,
         3.75976562e-02, -1.95312500e-01,  1.31835938e-01, -1.94335938e-01,
```

```
        -2.36816406e-02,  1.74804688e-01, -1.95312500e-01, -2.02148438e-01,
        -6.39648438e-02, -1.14746094e-01, -1.28906250e-01, -3.35937500e-01,
         7.47070312e-02,  1.43554688e-01,  1.84326172e-02,  3.41796875e-02,
        -1.42578125e-01,  1.43554688e-01,  1.33789062e-01,  2.69531250e-01,
         9.47265625e-02, -1.46484375e-01,  1.28906250e-01,  5.34057617e-03,
         2.92968750e-01, -5.31005859e-03, -3.41796875e-01,  2.40478516e-02,
        -3.26171875e-01, -1.23535156e-01,  1.52343750e-01,  2.63671875e-02,
        -3.56445312e-02, -9.42382812e-02, -1.67968750e-01,  7.32421875e-02,
        -5.63964844e-02,  2.01171875e-01, -4.88281250e-01, -1.18652344e-01,
         1.56250000e-01, -9.42382812e-02, -2.59765625e-01, -2.22167969e-02,
         4.97436523e-03,  8.93554688e-02,  1.16210938e-01, -3.49609375e-01,
         1.83593750e-01,  8.44726562e-02,  8.20312500e-02,  2.11181641e-02,
        -8.48388672e-03, -5.46875000e-02, -5.56640625e-02,  6.29882812e-02,
         2.28515625e-01, -1.38671875e-01, -2.50244141e-02,  5.49316406e-02,
        -1.99218750e-01,  1.45507812e-01, -2.05078125e-01,  3.14941406e-02,
         9.32617188e-02, -1.06445312e-01, -2.00195312e-01,  4.41406250e-01,
         6.48498535e-04, -9.71679688e-02, -5.24902344e-02,  2.87109375e-01,
        -2.30468750e-01,  1.38671875e-01, -6.17675781e-02, -1.66992188e-01,
        -1.58203125e-01,  1.57226562e-01, -4.10156250e-02,  1.01074219e-01,
         1.40625000e-01, -3.53515625e-01, -8.49609375e-02, -4.15039062e-02,
        -3.02734375e-01,  3.37890625e-01,  1.25976562e-01,  2.83203125e-01,
         5.02929688e-02,  1.01074219e-01, -7.22656250e-02,  8.44726562e-02,
         1.73828125e-01,  1.48437500e-01, -9.52148438e-02,  2.32421875e-01,
         8.00781250e-02, -8.44726562e-02, -6.44531250e-02, -1.93359375e-01,
        -2.51953125e-01,  1.36718750e-01,  4.12597656e-02,  1.63574219e-02,
        -1.99218750e-01, -1.41601562e-01, -6.00585938e-02, -5.29785156e-02,
         3.16406250e-01,  1.34765625e-01,  1.51977539e-02,  8.78906250e-02,
         5.46875000e-02,  9.61914062e-02, -5.66406250e-02, -5.15136719e-02,
        -4.80468750e-01,  5.06591797e-03,  1.32812500e-01, -1.66015625e-02,
        -5.29785156e-02,  1.11816406e-01, -1.93359375e-01,  1.83593750e-01,
        -1.50390625e-01,  5.85937500e-02,  9.15527344e-03, -2.81250000e-01,
        -2.73437500e-01,  4.39453125e-03,  2.07031250e-01,  1.61132812e-01,
         4.85839844e-02, -1.25976562e-01,  4.44335938e-02, -5.41992188e-02,
         6.54296875e-02,  7.38525391e-03, -3.16406250e-01,  2.12890625e-01,
         4.98046875e-02,  1.42578125e-01, -1.47094727e-02,  3.82812500e-01,
        -1.36718750e-01,  8.59375000e-02, -4.07714844e-02,  5.59082031e-0
2],
       dtype=float32),
 'industrial': array([-0.01721191,  0.03613281, -0.01501465,  0.10302734, -
0.11572266,
         0.06396484, -0.08203125, -0.19335938,  0.04248047,  0.12060547,
        -0.03564453,  0.11962891, -0.10595703, -0.24511719, -0.07470703,
        -0.08105469, -0.12451172,  0.01953125,  0.15332031, -0.0402832 ,
        -0.22167969, -0.140625  ,  0.00439453,  0.15625   ,  0.08496094,
         0.07324219,  0.13574219,  0.171875  ,  0.0255127 ,  0.02685547,
        -0.13085938, -0.33398438, -0.15820312, -0.05615234,  0.03442383,
        -0.00619507,  0.2421875 , -0.08154297,  0.10595703,  0.26171875,
         0.06835938,  0.14160156,  0.27734375,  0.17382812, -0.1796875 ,
        -0.12353516, -0.13378906,  0.20019531, -0.20800781,  0.09570312,
         0.00964355,  0.14355469, -0.10058594,  0.18359375,  0.20019531,
        -0.00135803, -0.01165771, -0.22070312,  0.07763672, -0.03125   ,
        -0.39453125,  0.12988281, -0.28125   ,  0.00376892, -0.09619141,
        -0.10009766, -0.17089844,  0.07470703,  0.16015625, -0.0090332 ,
        -0.13085938, -0.0703125 ,  0.19042969, -0.16503906, -0.24511719,
         0.01513672,  0.05932617, -0.05419922, -0.08007812, -0.18359375,
        -0.02380371, -0.02392578, -0.05249023,  0.05566406,  0.30664062,
        -0.09814453, -0.3125    ,  0.1015625 , -0.13964844, -0.19335938,
        -0.02392578, -0.15332031,  0.01855469,  0.06201172, -0.375     ,
        -0.23242188,  0.11425781, -0.08154297,  0.05419922, -0.24902344,
         0.0859375 , -0.04907227, -0.10791016,  0.0112915 ,  0.1796875 ,
        -0.27734375,  0.00228882,  0.04370117,  0.11572266,  0.0133667 ,
        -0.01757812, -0.08203125, -0.06884766, -0.02270508,  0.10302734,
        -0.04663086, -0.09521484,  0.40625   ,  0.30273438,  0.02441406,
        -0.01025391, -0.01391602, -0.15429688, -0.22949219, -0.15527344,
```

```
        -0.06152344,  0.01092529, -0.40039062,  0.10302734, -0.14160156,
         0.19335938,  0.12255859, -0.0189209 ,  0.00421143,  0.10986328,
         0.09179688, -0.17675781, -0.17382812, -0.10302734, -0.203125  ,
         0.0703125 , -0.02685547, -0.07910156,  0.21777344,  0.00482178,
        -0.06933594, -0.1484375 ,  0.28710938, -0.08349609, -0.1171875 ,
         0.21875   , -0.22851562, -0.00872803,  0.09667969, -0.25585938,
         0.08105469,  0.04785156, -0.04492188,  0.09912109, -0.29101562,
         0.01916504, -0.15625   , -0.14550781,  0.00976562,  0.16113281,
         0.30859375,  0.0067749 , -0.15527344, -0.11425781, -0.2421875 ,
        -0.20898438,  0.03344727, -0.04736328,  0.06982422,  0.09863281,
        -0.20898438, -0.02600098, -0.15234375, -0.19238281, -0.26367188,
        -0.11962891, -0.19335938, -0.2578125 , -0.00393677,  0.33984375,
         0.04516602, -0.02392578,  0.23535156,  0.28710938,  0.19238281,
        -0.21191406,  0.05444336,  0.08789062,  0.13183594,  0.10253906,
        -0.09863281,  0.02246094, -0.15332031,  0.20703125, -0.08984375,
        -0.07568359, -0.01867676, -0.00640869,  0.0222168 , -0.12158203,
         0.05053711,  0.09912109, -0.12060547, -0.06787109, -0.13671875,
         0.41015625, -0.25195312,  0.07421875,  0.1328125 , -0.01843262,
        -0.16699219, -0.01312256,  0.15234375,  0.00177002,  0.2890625 ,
         0.12255859, -0.02160645, -0.18847656, -0.05200195, -0.01916504,
        -0.13378906,  0.00723267,  0.04736328, -0.10253906,  0.02941895,
        -0.05834961,  0.01062012, -0.12695312, -0.12890625, -0.09277344,
         0.06494141, -0.01153564,  0.01123047,  0.33398438,  0.03039551,
         0.30078125, -0.19824219,  0.12597656,  0.11181641,  0.06640625,
        -0.1484375 , -0.19824219, -0.09423828, -0.36328125, -0.07275391,
        -0.25      ,  0.09960938,  0.16796875,  0.01953125, -0.11132812,
        -0.15136719,  0.08300781, -0.10742188, -0.171875  ,  0.25      ,
        -0.18847656, -0.44335938, -0.04858398,  0.13085938,  0.3515625 ,
         0.10595703, -0.1953125 , -0.08300781, -0.12060547,  0.06298828,
        -0.11865234, -0.16601562,  0.04736328, -0.296875  ,  0.16699219,
        -0.16113281, -0.02160645, -0.11669922,  0.05371094,  0.0456543 ,
        -0.14550781,  0.04931641,  0.34765625, -0.0100708 , -0.10351562,
         0.20117188, -0.10986328, -0.08740234,  0.00309753,  0.02685547,
        -0.34960938, -0.14355469, -0.125     ,  0.17382812, -0.02172852,
        -0.13964844, -0.04052734,  0.07714844,  0.02355957, -0.10400391],
       dtype=float32),
 'worldwide': array([ 1.59179688e-01, -1.32812500e-01, -3.32031250e-02,  1.
68945312e-01,
        -3.37890625e-01, -1.31225586e-02, -1.01562500e-01, -2.89062500e-01,
         3.14453125e-01,  1.12792969e-01, -3.22265625e-01, -6.73828125e-02,
         2.00195312e-01, -7.81250000e-02, -2.95410156e-02, -1.75781250e-01,
        -1.60156250e-01,  2.13867188e-01, -1.15234375e-01,  9.86328125e-02,
        -1.44531250e-01, -1.51367188e-01,  1.04370117e-02, -1.79687500e-01,
        -1.61132812e-01,  4.80957031e-02, -1.47460938e-01, -4.15039062e-02,
         9.27734375e-03, -1.47460938e-01,  1.48437500e-01, -1.35742188e-01,
        -1.57226562e-01, -1.84570312e-01,  3.63281250e-01, -1.09375000e-01,
        -1.27929688e-01, -1.36718750e-01,  1.07910156e-01, -8.15429688e-02,
         3.18359375e-01, -5.00488281e-02, -7.56835938e-02,  2.21679688e-01,
        -9.03320312e-03,  8.10546875e-02, -1.38671875e-01, -1.56250000e-02,
         1.31835938e-01,  1.36718750e-01,  8.17871094e-03,  9.52148438e-02,
         4.17480469e-02,  9.58251953e-03,  2.69531250e-01,  1.92382812e-01,
        -8.64257812e-02, -3.22265625e-01,  1.42822266e-02,  2.53295898e-03,
         5.05371094e-02,  5.95703125e-02,  1.94335938e-01,  5.12695312e-02,
         1.44958496e-03, -2.05039978e-05,  4.56542969e-02, -6.00585938e-02,
         1.60156250e-01,  7.17163086e-03, -3.65234375e-01,  9.76562500e-02,
         2.25585938e-01,  2.51953125e-01,  1.55273438e-01, -8.83789062e-02,
        -2.08740234e-02, -4.19921875e-02,  5.10253906e-02,  3.46679688e-02,
        -1.23535156e-01, -2.92968750e-01, -6.05468750e-02,  1.77734375e-01,
        -1.23046875e-01, -1.37695312e-01, -3.88183594e-02,  1.53808594e-02,
        -5.78613281e-02,  1.31835938e-01,  3.39843750e-01, -3.85742188e-02,
        -2.55859375e-01, -7.17163086e-04, -5.15136719e-02, -1.96289062e-01,
         5.02929688e-02, -1.83593750e-01,  3.24218750e-01,  1.05957031e-01,
        -5.37109375e-02,  2.07031250e-01, -1.51367188e-01,  1.44531250e-01,
        -1.24023438e-01, -7.27539062e-02, -2.09960938e-01,  3.66210938e-03,
```

```
         1.26953125e-01, -2.77709961e-03, -4.49218750e-02, -1.92871094e-02,
        -1.25976562e-01,  4.12597656e-02,  1.66015625e-01,  1.01318359e-02,
        -2.79296875e-01, -1.50390625e-01,  3.61328125e-01,  7.71484375e-02,
        -2.83203125e-01, -4.12597656e-02, -7.42187500e-02, -7.86132812e-02,
         1.19140625e-01, -9.86328125e-02,  1.11328125e-01,  2.52685547e-02,
        -7.81250000e-02,  2.59765625e-01,  2.77343750e-01,  2.75390625e-01,
        -1.69921875e-01, -1.27929688e-01,  1.63574219e-02, -6.88476562e-02,
         1.36718750e-01, -3.56445312e-02,  1.25122070e-03, -1.42578125e-01,
         2.00195312e-01,  6.78710938e-02,  1.14257812e-01,  4.93164062e-02,
         1.63085938e-01, -2.91748047e-02,  2.73437500e-01,  1.24511719e-01,
        -9.17968750e-02, -1.80664062e-01,  1.11328125e-01, -1.06933594e-01,
        -1.58203125e-01, -1.16699219e-01, -1.19140625e-01, -1.61132812e-01,
        -2.34375000e-01,  1.50390625e-01,  5.98144531e-02, -1.92382812e-01,
         5.63964844e-02, -4.22363281e-02, -1.52343750e-01, -6.20117188e-02,
         4.56542969e-02,  7.91015625e-02, -1.34765625e-01, -1.31835938e-01,
        -3.34472656e-02,  6.05468750e-02, -2.46582031e-02,  9.32617188e-02,
         2.10937500e-01, -2.00195312e-01, -1.52343750e-01, -2.61718750e-01,
        -7.91015625e-02, -1.31835938e-01, -2.48046875e-01, -1.71875000e-01,
        -2.00195312e-01, -1.73828125e-01, -3.39355469e-02, -3.14453125e-01,
         1.41601562e-01,  8.64257812e-02, -3.41796875e-02, -1.68945312e-01,
         1.06445312e-01,  3.28125000e-01,  3.87573242e-03, -1.52343750e-01,
        -8.83789062e-02, -4.31640625e-01, -3.26171875e-01, -2.92968750e-02,
         6.22558594e-02, -1.53320312e-01, -1.69921875e-01, -3.57421875e-01,
         2.78320312e-02,  1.01074219e-01,  1.62109375e-01,  9.47265625e-02,
         1.76757812e-01,  1.35498047e-02, -5.73730469e-02,  6.83593750e-02,
        -2.13867188e-01,  1.81640625e-01, -2.58789062e-02,  1.88476562e-01,
         7.08007812e-02,  2.08984375e-01,  1.45507812e-01, -1.49414062e-01,
        -7.59887695e-03,  1.37695312e-01, -1.86523438e-01,  1.16699219e-01,
        -2.35595703e-02, -5.90820312e-02,  7.37304688e-02,  5.81054688e-02,
         2.94494629e-03, -6.78710938e-02, -1.73828125e-01, -2.39257812e-01,
         2.71484375e-01, -2.53906250e-01, -1.64794922e-02, -9.81445312e-02,
         2.50000000e-01, -1.98242188e-01, -2.32421875e-01,  1.42578125e-01,
        -1.92382812e-01,  5.68847656e-02, -1.89208984e-02, -6.88476562e-02,
         1.39648438e-01, -1.12792969e-01,  4.37011719e-02,  1.11694336e-02,
        -1.86767578e-02,  1.38671875e-01,  9.64355469e-03, -9.71679688e-02,
        -1.25000000e-01, -2.41210938e-01,  1.62353516e-02, -8.93554688e-02,
        -6.78710938e-02, -8.93554688e-02,  2.06054688e-01, -1.76757812e-01,
        -7.47070312e-02, -1.45507812e-01, -8.49609375e-02, -1.45507812e-01,
        -1.76757812e-01, -9.17968750e-02, -1.51367188e-01,  6.29882812e-02,
         2.77099609e-02,  4.00390625e-02, -5.76171875e-02,  1.78710938e-01,
         8.59375000e-02,  2.38037109e-02,  1.91650391e-02, -1.25732422e-02,
        -2.30712891e-02, -2.53906250e-01,  1.53320312e-01,  5.66406250e-02,
        -3.43750000e-01,  1.77734375e-01,  2.65625000e-01, -5.00488281e-02,
        -1.82617188e-01, -9.33837891e-03,  5.71289062e-02,  4.29687500e-02,
         1.23535156e-01,  4.29687500e-01, -5.59082031e-02, -1.36718750e-02,
         2.42187500e-01, -1.55029297e-02,  1.43554688e-01,  1.73828125e-01,
        -2.50000000e-01,  3.00781250e-01,  6.10351562e-02, -1.05957031e-01,
         2.69775391e-02,  2.63671875e-01,  1.16699219e-01, -9.22851562e-0
2],
       dtype=float32),
 'built': array([-0.04760742,  0.31640625,  0.12597656,  0.13183594, -0.067
87109,
        -0.18652344,  0.02648926, -0.09082031,  0.1484375 ,  0.2421875 ,
         0.00921631,  0.08984375, -0.22460938, -0.16015625,  0.04956055,
        -0.13671875, -0.09912109, -0.05078125, -0.18652344,  0.1953125 ,
        -0.15527344,  0.16796875, -0.06835938, -0.08886719,  0.16992188,
        -0.13964844, -0.0703125 ,  0.14257812, -0.17382812, -0.42382812,
         0.03662109,  0.02758789, -0.1796875 , -0.05541992,  0.28125   ,
        -0.24414062,  0.109375  , -0.12255859,  0.00323486, -0.0378418 ,
         0.03710938,  0.13574219,  0.18359375, -0.02368164,  0.20800781,
        -0.19628906, -0.17871094,  0.171875  ,  0.01177979,  0.10302734,
         0.17578125,  0.06005859, -0.14550781, -0.34179688,  0.05151367,
         0.03613281, -0.20605469, -0.31054688,  0.09326172, -0.05297852,
         0.10498047, -0.10693359,  0.01818848, -0.23144531, -0.01550293,
```

```
        0.04638672, -0.13574219,  0.04736328, -0.12304688, -0.00172424,
        0.23925781, -0.02990723,  0.00527954, -0.17285156, -0.08740234,
       -0.13769531,  0.01721191, -0.11767578, -0.07226562,  0.05297852,
        0.13378906, -0.13378906,  0.03979492, -0.0378418 , -0.05908203,
       -0.03637695,  0.01745605,  0.13964844, -0.265625  , -0.08984375,
        0.14746094, -0.10791016, -0.01318359,  0.29882812,  0.11962891,
       -0.08740234, -0.22558594,  0.05737305, -0.02160645, -0.0111084 ,
       -0.0098877 , -0.02294922,  0.03979492,  0.23535156,  0.04492188,
        0.13867188, -0.10986328,  0.14550781, -0.15039062,  0.00393677,
       -0.06884766,  0.09326172, -0.12304688, -0.01757812,  0.14257812,
       -0.06494141, -0.03637695,  0.06542969,  0.26757812,  0.04980469,
        0.09228516, -0.3046875 ,  0.15917969,  0.06738281, -0.02099609,
        0.00164032, -0.06494141, -0.2578125 , -0.00213623, -0.10888672,
        0.02050781,  0.00210571,  0.10546875,  0.11572266,  0.01464844,
        0.06591797, -0.03491211,  0.05664062, -0.21875   ,  0.00897217,
       -0.26367188,  0.08837891,  0.03088379, -0.14550781,  0.07666016,
       -0.14746094,  0.05639648, -0.20800781,  0.0213623 , -0.16503906,
        0.10205078, -0.17089844,  0.08056641, -0.00463867, -0.16503906,
        0.203125  , -0.25585938, -0.07275391,  0.04296875, -0.01916504,
        0.16796875, -0.07861328, -0.10009766, -0.15429688, -0.04345703,
        0.04907227,  0.04736328,  0.11230469, -0.21386719, -0.05517578,
       -0.25      , -0.1484375 , -0.00396729, -0.12255859,  0.15039062,
        0.09765625, -0.03088379, -0.10595703, -0.06689453,  0.3046875 ,
       -0.04174805, -0.14550781, -0.15722656, -0.05249023,  0.06347656,
       -0.12792969,  0.14355469, -0.13671875, -0.12890625,  0.03271484,
       -0.12011719,  0.02563477,  0.3125    ,  0.0390625 , -0.20019531,
        0.06103516, -0.09326172,  0.18359375,  0.16699219, -0.01525879,
        0.14941406,  0.17675781,  0.078125  , -0.06689453, -0.14746094,
        0.0625    ,  0.11572266, -0.29101562,  0.203125  ,  0.06933594,
       -0.04248047,  0.09472656, -0.08105469, -0.01599121,  0.09667969,
        0.02929688,  0.15820312, -0.09375   , -0.04296875,  0.18261719,
        0.01977539,  0.09130859, -0.07763672, -0.08837891,  0.15332031,
       -0.02819824, -0.0291748 ,  0.10400391, -0.31445312, -0.05639648,
       -0.15917969, -0.19140625,  0.24414062,  0.04345703, -0.06298828,
       -0.0534668 ,  0.00744629, -0.09814453,  0.19921875, -0.00228882,
        0.02600098, -0.07861328, -0.14160156, -0.38085938,  0.09619141,
       -0.14550781, -0.01574707,  0.08349609, -0.02514648, -0.15039062,
        0.09423828,  0.15429688,  0.0703125 ,  0.19921875,  0.20507812,
        0.12109375, -0.12695312, -0.22460938, -0.23925781,  0.02539062,
       -0.08740234,  0.04272461,  0.10498047,  0.12890625,  0.00361633,
       -0.04516602,  0.14355469, -0.3515625 , -0.07617188,  0.06054688,
       -0.06738281, -0.16894531, -0.09912109, -0.16503906, -0.02978516,
       -0.19824219, -0.078125  , -0.21484375, -0.06298828, -0.15722656,
       -0.27929688, -0.04272461,  0.06542969,  0.11621094,  0.12207031,
       -0.09277344, -0.18945312,  0.07128906,  0.1484375 ,  0.11181641,
       -0.3359375 ,  0.44726562, -0.29296875, -0.05517578, -0.03417969,
       -0.109375  , -0.08349609, -0.15722656, -0.03015137, -0.23535156],
      dtype=float32),
 ...}
```

In [ ]:
```
# Initialize the dataframe to countthe required skills
individual_skill_counts_word_embeddings = individual_skill_counts_df.copy()
```

In [ ]:
```
def count_skills_word_embeddings(job_descriptions, skill_keywords, model, sk

    """Function to detect skills from the job descriptions using Rule-based

    # Start the timer
    start = time.time()

    # Iterate over the skill keyword and detect the keyword from job descrip
    lemmatizer = WordNetLemmatizer()
    for i, words in enumerate(job_descriptions['JD_uni_bi_grams']):
        for word in words:
```

```
            for skill in skill_keywords.keys():
                converted_skill = lemmatizer.lemmatize(skill.lower())
                if converted_skill in model.key_to_index and word in model.k
                    sim_score = model.similarity(word, converted_skill)
                    if sim_score > 0.5:
                        skill_counts_df.loc[i, skill] = 1
        if (i + 1) % 5 == 0 or i == len(job_descriptions) - 1:
            print(f"Done {i + 1} jobs")

    # Stop the timer & Display the total execution time
    end = time.time()
    execution_time = end - start
    print(f"{execution_time} seconds to complete the word embeddings approac

    return skill_counts_df

# Call the function to count the required skills using word embeddings appro
individual_skill_counts_word_embeddings = count_skills_word_embeddings(jd_ur

# Save to .csv file
individual_skill_counts_word_embeddings.to_csv('/content/individual_skill_co
files.download('/content/individual_skill_counts_word_embeddings.csv')
```

```
Done 5 jobs
Done 10 jobs
Done 15 jobs
Done 20 jobs
Done 25 jobs
Done 30 jobs
Done 35 jobs
Done 40 jobs
Done 45 jobs
Done 50 jobs
Done 55 jobs
Done 60 jobs
Done 65 jobs
Done 70 jobs
Done 75 jobs
Done 80 jobs
Done 85 jobs
Done 90 jobs
Done 95 jobs
Done 100 jobs
Done 105 jobs
Done 110 jobs
Done 115 jobs
Done 120 jobs
Done 125 jobs
Done 130 jobs
Done 135 jobs
Done 140 jobs
Done 145 jobs
Done 150 jobs
Done 155 jobs
Done 160 jobs
Done 165 jobs
Done 170 jobs
Done 175 jobs
Done 180 jobs
Done 185 jobs
Done 190 jobs
Done 195 jobs
Done 200 jobs
Done 205 jobs
Done 210 jobs
Done 215 jobs
Done 220 jobs
Done 225 jobs
Done 230 jobs
Done 235 jobs
Done 240 jobs
Done 245 jobs
Done 250 jobs
Done 255 jobs
Done 260 jobs
Done 265 jobs
Done 270 jobs
Done 275 jobs
Done 280 jobs
Done 285 jobs
Done 290 jobs
Done 295 jobs
Done 300 jobs
Done 305 jobs
Done 310 jobs
Done 315 jobs
Done 320 jobs
```

```
Done 325 jobs
Done 330 jobs
Done 335 jobs
Done 340 jobs
Done 345 jobs
Done 350 jobs
Done 355 jobs
Done 360 jobs
Done 365 jobs
Done 370 jobs
Done 375 jobs
Done 380 jobs
Done 385 jobs
Done 390 jobs
Done 395 jobs
Done 400 jobs
Done 405 jobs
Done 410 jobs
Done 415 jobs
Done 420 jobs
Done 425 jobs
Done 430 jobs
Done 435 jobs
Done 440 jobs
Done 445 jobs
Done 450 jobs
Done 455 jobs
Done 460 jobs
Done 465 jobs
Done 470 jobs
Done 475 jobs
Done 480 jobs
Done 485 jobs
Done 490 jobs
Done 495 jobs
Done 500 jobs
Done 505 jobs
Done 510 jobs
Done 515 jobs
Done 520 jobs
Done 525 jobs
Done 530 jobs
Done 535 jobs
Done 540 jobs
Done 545 jobs
Done 550 jobs
Done 555 jobs
Done 560 jobs
Done 565 jobs
Done 570 jobs
Done 575 jobs
Done 580 jobs
Done 585 jobs
Done 590 jobs
Done 595 jobs
Done 600 jobs
Done 605 jobs
Done 610 jobs
Done 615 jobs
Done 620 jobs
Done 625 jobs
Done 630 jobs
Done 635 jobs
Done 640 jobs
```

```
Done 645 jobs
Done 650 jobs
Done 655 jobs
Done 660 jobs
Done 665 jobs
Done 670 jobs
Done 675 jobs
Done 680 jobs
Done 685 jobs
Done 690 jobs
Done 695 jobs
Done 700 jobs
Done 705 jobs
Done 710 jobs
Done 715 jobs
Done 720 jobs
Done 725 jobs
Done 730 jobs
Done 735 jobs
Done 740 jobs
Done 745 jobs
Done 750 jobs
Done 755 jobs
Done 760 jobs
Done 765 jobs
Done 770 jobs
Done 775 jobs
Done 780 jobs
Done 785 jobs
Done 790 jobs
Done 795 jobs
Done 800 jobs
Done 805 jobs
Done 810 jobs
Done 815 jobs
Done 820 jobs
Done 825 jobs
Done 830 jobs
Done 835 jobs
Done 840 jobs
Done 845 jobs
Done 850 jobs
Done 855 jobs
Done 860 jobs
Done 865 jobs
Done 870 jobs
Done 875 jobs
Done 880 jobs
Done 885 jobs
Done 890 jobs
Done 895 jobs
Done 900 jobs
Done 905 jobs
Done 910 jobs
Done 915 jobs
Done 920 jobs
Done 925 jobs
Done 930 jobs
Done 935 jobs
Done 940 jobs
Done 945 jobs
Done 950 jobs
Done 955 jobs
Done 960 jobs
```

```
Done 965 jobs
Done 970 jobs
Done 975 jobs
Done 980 jobs
Done 985 jobs
Done 990 jobs
Done 995 jobs
Done 1000 jobs
Done 1004 jobs
285.57483291625977 seconds to complete the word embeddings approach with 10
04 jobs.
```

In [ ]:

```
# Check the dataset
individual_skill_counts_word_embeddings.head(10)
```

Out[ ]:

	Python	SQL	R	VBA	C	C++	C#	Java	JavaScript	HTML	...	Verbal	Written	Deta orient
0	0	0	0	0	0	0	0	0	0	0	...	1	1	
1	0	0	0	0	0	0	0	0	0	0	...	0	0	
2	0	0	0	0	0	0	0	0	0	0	...	1	1	
3	0	0	0	0	0	0	0	0	0	0	...	0	0	
4	1	1	0	0	0	0	0	0	0	0	...	0	1	
5	0	0	0	0	0	0	0	0	0	0	...	1	1	
6	0	1	0	0	0	0	0	0	0	0	...	1	1	
7	1	1	0	0	0	0	0	0	0	0	...	1	1	
8	1	1	0	0	0	0	0	0	0	0	...	0	1	
9	1	1	0	0	0	0	0	0	0	0	...	0	1	

10 rows × 68 columns

In [ ]:

```
# Get the sum of required skills for each individual skill from word embedd
sum_skills = {}
for skill in skill_keywords:
    sum_skills[skill] = individual_skill_counts_word_embeddings[skill].sum(
sum_skills_word_embeddings = pd.DataFrame(sum_skills, index=['Number of jobs

# Show the number of jobs require the specific skills by each skill from wo
rearranged_sum_skills_word_embeddings = sum_skills_word_embeddings.T.sort_va
rearranged_sum_skills_word_embeddings['%Percentage (1,004 jobs)'] = (rearra
rearranged_sum_skills_word_embeddings.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Reporting	774	77.09%
RDBMS	676	67.33%
Teamwork	583	58.07%
SQL	493	49.1%
Written	482	48.01%
Detail-oriented	430	42.83%
Presentation	395	39.34%
Excel	389	38.75%
Verbal	353	35.16%
Adaptability	343	34.16%

Bar chart: Display the distribution of required skills in 1,004 Data Analyst jobs (Word embeddings approach)

In [ ]:

```
plt.figure(figsize=(25, 6))
plt.xticks(rotation=90, fontsize=10)
for i, value in enumerate(rearranged_sum_skills_word_embeddings['Number of j
    plt.text(i, value + 1, str(value), ha='center', va='bottom', fontsize=9)

plt.bar(rearranged_sum_skills_word_embeddings.index, rearranged_sum_skills_w
plt.xlabel('Required Skills')
plt.ylabel('Number of jobs')
plt.title('Distribution of Required Skills in Data Analyst jobs (Word Embedd
plt.show()
```

Word cloud: Display the top required skills for Data Analyst jobs (Word embeddings approach)

In [ ]:

```
sum_individual_skills_dict_word_embeddings = dict(zip(rearranged_sum_skills_
sum_individual_skills_wordcloud_word_embeddings = WordCloud(width=800, heigh
plt.figure(figsize=(10, 5))
plt.imshow(sum_individual_skills_wordcloud_word_embeddings, interpolation='b
plt.axis('off')
plt.title('Top Required Skills for Data Analyst jobs (Word Embeddings approa
plt.show()
```

Evaluation for selecting the better approach

In [ ]:
```
# Import the labeled dataset that I manually read to detect required skills
ground_truth = pd.read_csv("/content/drive/My Drive/Colab Notebooks/labeled_
ground_truth.head(10)
```

Out[ ]:

	Position	Link	Company	Location	Job Descriptio
0	Board Certified Behavior Analyst	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Impact Learning & Development	Rapid City, SD 57702	Jo Description\nTh BCBA will provic support
1	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Proven Behavior Solutions	West Bridgewater, MA	PROVEN BEHAVIO SOLUTIONS VOTE TOP PLACES TO
2	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Keystone Autism and Behavior Interventions LLC	Hillsboro, OH	Board Certifie Behavior Analy (in-home serv
3	Board Certified Behavior Analyst (BCBA)	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Pathways Autism Center	Atlanta, GA 30328	Pathways Autis Center is current hiring for
4	Senior Data Analyst	https://www.indeed.com/rc/clk?jk=1e61371557d55...	Calendly	Remote in Atlanta, GA 30363	About the team opportunity\nWhat so great
5	Data Analyst	https://www.indeed.com/rc/clk?jk=b77f67967a6be...	Baker Hughes	Stafford, TX 77477	Da Analyst\n\nWou you like th opportunity
6	eDiscovery Data Analyst Position	https://www.indeed.com/pagead/clk?mo=r&ad=-6NY...	Confidential	Remote	Seeking a eDiscovery Da Analyst with at lea
7	Entry Level Data Analyst	https://www.indeed.com/rc/clk?jk=7f00b26b92d13...	Fiable Consulting	Remote	Experience Level 0 to 2 Years\nEve Freshers
8	Data Analyst	https://www.indeed.com/rc/clk?jk=0b2692cc4601d...	Springbuk Inc	Remote	Description:\n Springbuk, o vision is to p
9	Data Analyst	https://www.indeed.com/rc/clk?jk=0e65feee85e91...	Glooko	Remote	Report: Th position reports Director of D

10 rows × 73 columns

In [ ]:

```
def evaluation(ground_truth, detected_skills):

    """Function to evaluate the performance of the approach"""

    result = {}
    accuracy_scores, precision_scores, recall_scores, f1_scores = [], [], [

    for skill in ground_truth.columns[5:]:

        # Extract true and predicted labels for the current skill
        ground_truth_skill = ground_truth[skill]
        detected_skill = detected_skills[skill]
```

```
        # Compute evaluation metrics for the current skill
        accuracy = accuracy_score(ground_truth_skill, detected_skill)
        precision = precision_score(ground_truth_skill, detected_skill)
        recall = recall_score(ground_truth_skill, detected_skill)
        f1 = f1_score(ground_truth_skill, detected_skill)

        # Append scores to the corresponding lists
        accuracy_scores.append(accuracy)
        precision_scores.append(precision)
        recall_scores.append(recall)
        f1_scores.append(f1)

    # Calculate the average scores for each metric
    average_accuracy = str((sum(accuracy_scores) * 100 / len(accuracy_scores
    average_precision = str((sum(precision_scores) * 100 / len(precision_sco
    average_recall = str((sum(recall_scores) * 100 / len(recall_scores)).rou
    average_f1 = str((sum(f1_scores) * 100 / len(f1_scores)).round(2)) + '%

    # Put the average score into the result dictionary
    result["Accuracy"] = average_accuracy
    result["Precision"] = average_precision
    result["Recall"] = average_recall
    result["F1 scores"] = average_f1

    return result

# Call the function to evaluate the approachs
result_rule_based = evaluation(ground_truth, individual_skill_counts_rule_ba
result_word_embeddings = evaluation(ground_truth, individual_skill_counts_wo
```

```
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
```

```
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
```

```
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
```

```
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0
due to no predicted samples. Use `zero_division` parameter to control this
behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1344: UndefinedMetricWarning: Recall is ill-defined and being set to 0.0 du
e to no true samples. Use `zero_division` parameter to control this behavio
r.
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classification.py:
1609: UndefinedMetricWarning: F-score is ill-defined and being set to 0.0 d
ue to no true nor predicted samples. Use `zero_division` parameter to contr
ol this behavior.
  _warn_prf(average, "true nor predicted", "F-score is", len(true_sum))
```

In [ ]:

```python
# Print to show the preformance of each approach
print(f"Result of Rule-based approach\n{result_rule_based}\n")
print(f"Result of Word embeddings approach\n{result_word_embeddings}")
```

```
Result of Rule-based approach
{'Accuracy': '99.84%', 'Precision': '86.25%', 'Recall': '88.12%', 'F1 score
s': '86.97%'}

Result of Word embeddings approach
{'Accuracy': '99.84%', 'Precision': '86.25%', 'Recall': '88.12%', 'F1 score
s': '86.97%'}
```

Summary the performance of both approaches

From the results above, it's evident that both approaches perform equally well in detecting skills from job descriptions. However, the Word Embeddings approach demonstrates significantly faster execution, taking only 213 seconds compared to the Rule-based approach, which requires 3899 seconds.

Therefore, this case we should use Word Embeddings approach.

4) Data Interpretation

4.1 Overall required skills by each category

In [ ]:
```
skill_categories = {
    'Programming': ['Python', 'SQL', 'R', 'VBA', 'C', 'C++', 'C#', 'Java',
    'Database Management System': ['RDBMS', 'NoSQL'],
    'Statistics for Data Analysis': ['Excel', 'Statistics', 'Probability',
                                     'A/B Testing', 'MATLAB', 'Time Series',
    'Data Visualization': ['Tableau', 'PowerBI', 'Looker', 'QilkView', 'Mic
                           'Plotly', 'Matplotlib', 'Seaborn', 'Excel'],
    'Machine Learning': ['Regression', 'Classification', 'Clustering', 'Pre
                         'Pytorch', 'Scikit-Learn'],
    'Big Data Technologies': ['Hadoop', 'Spark', 'Hive', 'Databricks', 'Sno
    'Enterprise system': ['SAP', 'SCM', 'CRM', 'ERP', 'SAAS', 'PeopleSoft',
    'Communication': ['Presentation', 'Reporting', 'Verbal', 'Written', 'Wo
    'Employee attributes': ['Teamwork', 'Critical-thinking', 'Time managem
                            'Problem-solving', 'Detail-oriented', 'Motivati
}
```

In [ ]:
```
def sum_skills_categories(skill_categories, skill_keywords, individual_skil

    # Initialize the dictionary to store the sum of required skills for eac
    sum_categories = {}
    for category in skill_categories:
        sum_categories[category] = 0

    # Iterate to get the sum of required skills for each category
    for i in range(len(individual_skill_counts)):
        count = [0, 0, 0, 0, 0, 0, 0, 0, 0]
        for skill in skill_keywords:
            if all(x == 1 for x in count):
                break
            if individual_skill_counts.loc[i, skill] != 1:
                continue
            for j, category in enumerate(skill_categories):
                if (skill in skill_categories[category]) and (count[j] == 0
                    count[j] = 1
                    continue
        for k, category in enumerate(skill_categories):
            sum_categories[category] += count[k]

    return sum_categories

sum_categories = sum_skills_categories(skill_categories, skill_keywords, in

# Create the dataframe of the sum of required skills by categories
sum_categories_df = pd.DataFrame(sum_categories, index=['Number of jobs'])

# Show the number of jobs require the specific skills by categories
```

```
rearranged_sum_categories_df = sum_categories_df.T.sort_values(by='Number o
rearranged_sum_categories_df['%Percentage (1,004 jobs)'] = (rearranged_sum_
```

In [ ]:
```
# Check the dataset
rearranged_sum_categories_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Communication	904	90.04%
Employee attributes	890	88.65%
Database Management System	677	67.43%
Data Visualization	617	61.45%
Programming	580	57.77%
Statistics for Data Analysis	561	55.88%
Enterprise system	220	21.91%
Big Data Technologies	153	15.24%
Machine Learning	107	10.66%

Bar chart: Display the number of jobs require skills in each category by descending order

In [ ]:
```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right', fontsize=12)
for i, value in enumerate(rearranged_sum_categories_df['Number of jobs']):
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_categories_df.index, rearranged_sum_categories_df['Nu
plt.xlabel('Required Skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 1100)
plt.title('Distribution of Required Skills by each category', fontsize=12)
plt.show()
```

4.2 Technical & Soft skills

4.2.1 Technical skills

- Programming
- Database Management System
- Statistics for Data Analysis
- Data Visualization
- Machine Learning
- Big Data Technologies
- Enterprise system.

In [ ]:
```
technical_skills_categories = {'Programming',
                               'Database Management System',
                               'Statistics for Data Analysis',
                               'Data Visualization',
                               'Machine Learning',
                               'Big Data Technologies',
                               'Enterprise system'}

# Get the dataframe containing the number of jobs required technical skills
technical_skills = set()
for key, value in skill_categories.items():
    if key in technical_skills_categories:
        for skill in value:
            technical_skills.add(skill)
sum_technical_skills = {}
for key, value in sum_skills.items():
    if key in technical_skills:
        sum_technical_skills[key] = value
sum_technical_skills_df = pd.DataFrame(sum_technical_skills, index=['Number

# Get the dataframe containing the number of jobs required technical skills
sum_technical_skills_categories = {}
for key, value in sum_categories.items():
    if key in technical_skills_categories:
        sum_technical_skills_categories[key] = value
sum_technical_skills_categories_df = pd.DataFrame(sum_technical_skills_cate
```

By individual skills

In [ ]:
```
# Transpose and sort the datafrom to better visual form
rearranged_sum_technical_skills_df = sum_technical_skills_df.T.sort_values(

# Add the column showing the percentage of the required skills from the tota
rearranged_sum_technical_skills_df['%Percentage (1,004 jobs)'] = (rearrangec
rearranged_sum_technical_skills_df.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
RDBMS	676	67.33%
SQL	493	49.1%
Excel	389	38.75%
PowerBI	305	30.38%
Tableau	295	29.38%
Statistics	265	26.39%
Python	253	25.2%
R	157	15.64%
ETL	93	9.26%
CRM	67	6.67%

Bar chart: Display the distribution of required technical skills for Data Analyst jobs by descending order

In [ ]:

```
plt.figure(figsize=(25, 6))
plt.xticks(rotation=90, fontsize=10)
for i, value in enumerate(rearranged_sum_technical_skills_df['Number of jobs
    plt.text(i, value + 1, str(value), ha='center', va='bottom', fontsize=9)

plt.bar(rearranged_sum_technical_skills_df.index, rearranged_sum_technical_s
plt.xlabel('Required Technical skills')
plt.ylabel('Number of jobs')
plt.title('Distribution of Required Technical Skills for Data Analyst jobs')
plt.show()
```

Word cloud: Display the top required technical skills for Data Analyst jobs

In [ ]:

```
sum_individual_technical_skills_dict = dict(zip(rearranged_sum_technical_sk
sum_individual_technical_skills_wordcloud = WordCloud(width=800, height=400,
plt.figure(figsize=(10, 5))
plt.imshow(sum_individual_technical_skills_wordcloud, interpolation='bilinea
plt.axis('off')
plt.title('Top Required Technical Skills for Data Analyst jobs')
plt.show()
```

By categories

In [ ]:
```
# Transpose and sort the datafrom to better visual form
rearranged_sum_technical_skills_categories_df = sum_technical_skills_catego

# Add the column showing the percentage of the required skills from the tota
rearranged_sum_technical_skills_categories_df['%Percentage (1,004 jobs)'] =
rearranged_sum_technical_skills_categories_df.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Database Management System	677	67.43%
Data Visualization	617	61.45%
Programming	580	57.77%
Statistics for Data Analysis	561	55.88%
Enterprise system	220	21.91%
Big Data Technologies	153	15.24%
Machine Learning	107	10.66%

Bar chart: Display the number of jobs require technical skills by categories

In [ ]:
```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right', fontsize=12)
for i, value in enumerate(rearranged_sum_technical_skills_categories_df['Nur
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_technical_skills_categories_df.index, rearranged_sum_
plt.xlabel('Required Technical skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 1100)
plt.title('Distribution of Required Technical Skills for Data Analyst jobs b
plt.show()
```

4.2.2 Soft skills

- Communication
- Employee attributes

By individual skills

In [ ]:
```
soft_skills_categories = {'Communication', 'Employee attributes'}

# Get the dataframe containing the number of jobs required soft skills by i
soft_skills = set()
for key, value in skill_categories.items():
    if key in soft_skills_categories:
        for skill in value:
            soft_skills.add(skill)
sum_soft_skills = {}
for key, value in sum_skills.items():
    if key in soft_skills:
        sum_soft_skills[key] = value
sum_soft_skills_df = pd.DataFrame(sum_soft_skills, index=['Number of jobs']

# Get the dataframe containing the number of jobs required soft skills by c
sum_soft_skills_categories = {}
for key, value in sum_categories.items():
    if key in soft_skills_categories:
        sum_soft_skills_categories[key] = value
sum_soft_skills_categories_df = pd.DataFrame(sum_soft_skills_categories, in
```

In [ ]:
```
# Transpose and sort the datafrom to better visual form
rearranged_sum_soft_skills_df = sum_soft_skills_df.T.sort_values(by='Number

# Add the column showing the percentage of the required skills from the tot
rearranged_sum_soft_skills_df['%Percentage (1,004 jobs)'] = (rearranged_sum_
rearranged_sum_soft_skills_df.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Reporting	774	77.09%
Teamwork	583	58.07%
Written	482	48.01%
Detail-oriented	430	42.83%
Presentation	395	39.34%
Verbal	353	35.16%
Adaptability	343	34.16%
Problem-solving	320	31.87%
Motivation	268	26.69%
Project management	151	15.04%

Bar chart: Display the distribution of required soft skills for Data Analyst jobs by descending order

In [ ]:

```
plt.figure(figsize=(25, 6))
plt.xticks(rotation=90, fontsize=12)
for i, value in enumerate(rearranged_sum_soft_skills_df['Number of jobs']):
    plt.text(i, value + 1, str(value), ha='center', va='bottom', fontsize=1

plt.bar(rearranged_sum_soft_skills_df.index, rearranged_sum_soft_skills_df[
plt.xlabel('Required Soft skills')
plt.ylabel('Number of jobs')
plt.title('Distribution of Required Soft Skills for Data Analyst jobs')
plt.show()
```

Word cloud: Display the volumn of each soft skill that is require for Data Analyst jobs

In [ ]:

```
sum_individual_soft_skills_dict = dict(zip(rearranged_sum_soft_skills_df.inc
sum_individual_soft_skills_wordcloud = WordCloud(width=800, height=400, bacl
plt.figure(figsize=(10, 5))
plt.imshow(sum_individual_soft_skills_wordcloud, interpolation='bilinear')
plt.axis('off')
plt.title('Top Required Soft Skills for Data Analyst Jobs')
plt.show()
```

By categories

In [ ]:
```
# Transpose and sort the datafrom to better visual form
rearranged_sum_soft_skills_categories_df = sum_soft_skills_categories_df.T.s

# Add the column showing the percentage of the required skills from the tota
rearranged_sum_soft_skills_categories_df['%Percentage (1,004 jobs)'] = (rea
rearranged_sum_soft_skills_categories_df.head(10)
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Communication	904	90.04%
Employee attributes	890	88.65%

Bar chart: Display the distribution of required soft skills for data analyst jobs by categories

In [ ]:
```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_soft_skills_categories_df['Number o
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_soft_skills_categories_df.index, rearranged_sum_soft_
plt.xlabel('Required Soft skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 1100)
plt.title('Distribution of Required Soft Skills for Data Analyst Jobs by cat
plt.show()
```

4.3 Programming category

In [ ]:
```
# Get the dataframe containing the number of jobs required programming skil
sum_programming_skills = {}
for skill in skill_categories['Programming']:
    sum_programming_skills[skill] = sum_skills[skill]
sum_programming_skills_df = pd.DataFrame(sum_programming_skills, index=['Nu
rearranged_sum_progarmming_skills_df = sum_programming_skills_df.T.sort_valu
rearranged_sum_progarmming_skills_df['%Percentage (1,004 jobs)'] = (rearran
rearranged_sum_progarmming_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
SQL	493	49.1%
Python	253	25.2%
R	157	15.64%
VBA	30	2.99%
C	30	2.99%
HTML	18	1.79%
JavaScript	14	1.39%
Java	10	1.0%
Ruby	4	0.4%
C++	2	0.2%
C#	0	0.0%

Bar chart: Display the distribution of required programming skills by each language

In [ ]:
```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_progarmming_skills_df['Number of jo
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_progarmming_skills_df.index, rearranged_sum_progarmm
plt.xlabel('Programming skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 600)
plt.title('Distribution of Required Programming Skills for Data Analyst Jobs
plt.show()
```

4.4 Database Management System category

In [ ]:
```
# Get the dataframe containing the number of jobs required database manageme
sum_dbms_skills = {}
for skill in skill_categories['Database Management System']:
    sum_dbms_skills[skill] = sum_skills[skill]
sum_dbms_skills_df = pd.DataFrame(sum_dbms_skills, index=['Number of jobs']
rearranged_sum_dbms_skills_df = sum_dbms_skills_df.T.sort_values(by='Number
rearranged_sum_dbms_skills_df['%Percentage (1,004 jobs)'] = (rearranged_sum_
rearranged_sum_dbms_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
RDBMS	676	67.33%
NoSQL	18	1.79%

Bar chart: Display the distribution of required Database Management System skills

In [ ]:
```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_dbms_skills_df['Number of jobs']):
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_dbms_skills_df.index, rearranged_sum_dbms_skills_df[
plt.xlabel('Database Management System skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 600)
plt.title('Distribution of Required Database Management System Skills for Da
plt.show()
```

4.5 Statistics for Data Analysis category

In [ ]:
```
# Get the dataframe containing the number of jobs required statistics for da
sum_stat_skills = {}
for skill in skill_categories['Statistics for Data Analysis']:
    sum_stat_skills[skill] = sum_skills[skill]
sum_stat_skills_df = pd.DataFrame(sum_stat_skills, index=['Number of jobs']
rearranged_sum_stat_skills_df = sum_stat_skills_df.T.sort_values(by='Number
rearranged_sum_stat_skills_df['%Percentage (1,004 jobs)'] = (rearranged_sum_
rearranged_sum_stat_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Excel	389	38.75%
Statistics	265	26.39%
Time Series	52	5.18%
A/B Testing	17	1.69%
Pandas	14	1.39%
NumPy	10	1.0%
MATLAB	8	0.8%
Hypothesis Testing	6	0.6%
Probability	4	0.4%

Bar chart: Display the distribution of required Statistics for Data Analysis skills

In [ ]:
```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right')
for i, value in enumerate(rearranged_sum_stat_skills_df['Number of jobs']):
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_stat_skills_df.index, rearranged_sum_stat_skills_df[
plt.xlabel('Statistics for Data Analysis skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 600)
plt.title('Distribution of Required Statistics for Data Analysis Skills for
plt.show()
```

4.6 Data Visualization category

In [ ]:
```
# Get the dataframe containing the number of jobs required data visualizatio
sum_datavis_skills = {}
for skill in skill_categories['Data Visualization']:
    sum_datavis_skills[skill] = sum_skills[skill]
sum_datavis_skills_df = pd.DataFrame(sum_datavis_skills, index=['Number of j
rearranged_sum_datavis_skills_df = sum_datavis_skills_df.T.sort_values(by='N
rearranged_sum_datavis_skills_df['%Percentage (1,004 jobs)'] = (rearranged_s
rearranged_sum_datavis_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Excel	389	38.75%
PowerBI	305	30.38%
Tableau	295	29.38%
Looker	34	3.39%
Matplotlib	8	0.8%
MicroStrategy	7	0.7%
Plotly	6	0.6%
Seaborn	2	0.2%
QilkView	0	0.0%

Bar chart: Display the distribution of required Data Visualization skills

In [ ]:
```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right')
for i, value in enumerate(rearranged_sum_datavis_skills_df['Number of jobs']
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_datavis_skills_df.index, rearranged_sum_datavis_skil
plt.xlabel('Data visualization skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 600)
plt.title('Distribution of Required Data Visualization Skills for Data Analy
plt.show()
```

4.7 Machine Learning category

In [ ]:
```
# Get the dataframe containing the number of jobs required machine learning
sum_ml_skills = {}
for skill in skill_categories['Machine Learning']:
    sum_ml_skills[skill] = sum_skills[skill]
sum_ml_skills_df = pd.DataFrame(sum_ml_skills, index=['Number of jobs'])
rearranged_sum_ml_skills_df = sum_ml_skills_df.T.sort_values(by='Number of j
rearranged_sum_ml_skills_df['%Percentage (1,004 jobs)'] = (rearranged_sum_m
rearranged_sum_ml_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Classification	43	4.28%
Predictive Modeling	43	4.28%
Regression	17	1.69%
Scikit-Learn	6	0.6%
Clustering	4	0.4%
Tensorflow	4	0.4%
Pytorch	4	0.4%

Bar chart: Display the distribution of required Machine Learning skills

In [ ]:
```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right')
for i, value in enumerate(rearranged_sum_ml_skills_df['Number of jobs']):
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_ml_skills_df.index, rearranged_sum_ml_skills_df['Numb
plt.xlabel('Machine learning skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 70)
plt.title('Distribution of Required Machine Learning Skills for Data Analyst
plt.show()
```

4.8 Big Data Technologies category

In [ ]:
```
# Get the dataframe containing the number of jobs required big data technolo
sum_bigdata_skills = {}
for skill in skill_categories['Big Data Technologies']:
    sum_bigdata_skills[skill] = sum_skills[skill]
sum_bigdata_skills_df = pd.DataFrame(sum_bigdata_skills, index=['Number of j
rearranged_sum_bigdata_skills_df = sum_bigdata_skills_df.T.sort_values(by='N
rearranged_sum_bigdata_skills_df['%Percentage (1,004 jobs)'] = (rearranged_s
rearranged_sum_bigdata_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
ETL	93	9.26%
Snowflake	55	5.48%
Databricks	19	1.89%
Spark	18	1.79%
Hadoop	8	0.8%
Hive	7	0.7%

Bar chart: Display the distribution of required Big Data Technologies skills

In [ ]:
```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_bigdata_skills_df['Number of jobs']
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_bigdata_skills_df.index, rearranged_sum_bigdata_skil
plt.xlabel('Big data technologies skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 150)
plt.title('Distribution of Required Big Data Technologies Skills for Data An
plt.show()
```

4.9 Enterprise system category

In [ ]:
```
# Get the dataframe containing the number of jobs required enterprise system
sum_entsys_skills = {}
for skill in skill_categories['Enterprise system']:
    sum_entsys_skills[skill] = sum_skills[skill]
sum_entsys_skills_df = pd.DataFrame(sum_entsys_skills, index=['Number of job
rearranged_sum_entsys_skills_df = sum_entsys_skills_df.T.sort_values(by='Nu
rearranged_sum_entsys_skills_df['%Percentage (1,004 jobs)'] = (rearranged_su
rearranged_sum_entsys_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
CRM	67	6.67%
ERP	48	4.78%
Oracle	47	4.68%
Sharepoint	38	3.78%
SAP	36	3.59%
SAAS	35	3.49%
PeopleSoft	6	0.6%
SCM	2	0.2%

Bar chart: Display the distribution of required Enterprise system skills

In [ ]:

```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_entsys_skills_df['Number of jobs']
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_entsys_skills_df.index, rearranged_sum_entsys_skills_
plt.xlabel('Enterprise system skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 100)
plt.title('Distribution of Required Enterprise System Skills for Data Analys
plt.show()
```

4.10 Communication category

In [ ]:

```
# Get the dataframe containing the number of jobs required communication ski
sum_comm_skills = {}
for skill in skill_categories['Communication']:
    sum_comm_skills[skill] = sum_skills[skill]
sum_comm_skills_df = pd.DataFrame(sum_comm_skills, index=['Number of jobs']
rearranged_sum_comm_skills_df = sum_comm_skills_df.T.sort_values(by='Number
rearranged_sum_comm_skills_df['%Percentage (1,004 jobs)'] = (rearranged_sum_
rearranged_sum_comm_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Reporting	774	77.09%
Written	482	48.01%
Presentation	395	39.34%
Verbal	353	35.16%
Word	108	10.76%
PowerPoint	106	10.56%

Bar chart: Display the distribution of required Communication skills

In [ ]:

```
plt.figure(figsize=(10, 3))
for i, value in enumerate(rearranged_sum_comm_skills_df['Number of jobs']):
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_comm_skills_df.index, rearranged_sum_comm_skills_df[
plt.xlabel('Communication skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 1000)
plt.title('Distribution of Required Communication Skills for Data Analyst Jo
plt.show()
```

4.11 Employee attributes category

In [ ]:

```
# Get the dataframe containing the number of jobs required employee attribut
sum_empatt_skills = {}
for skill in skill_categories['Employee attributes']:
    sum_empatt_skills[skill] = sum_skills[skill]
sum_empatt_skills_df = pd.DataFrame(sum_empatt_skills, index=['Number of job
rearranged_sum_empatt_skills_df = sum_empatt_skills_df.T.sort_values(by='Nur
rearranged_sum_empatt_skills_df['%Percentage (1,004 jobs)'] = (rearranged_su
rearranged_sum_empatt_skills_df
```

Out[ ]:

	Number of jobs	%Percentage (1,004 jobs)
Teamwork	583	58.07%
Detail-oriented	430	42.83%
Adaptability	343	34.16%
Problem-solving	320	31.87%
Motivation	268	26.69%
Project management	151	15.04%
Time management	144	14.34%
Agile	100	9.96%
Critical-thinking	81	8.07%
Good attitude	71	7.07%

Bar chart: Display the distribution of required Employee attributes skills

In [ ]:

```
plt.figure(figsize=(10, 3))
plt.xticks(rotation=45, ha='right')
for i, value in enumerate(rearranged_sum_empatt_skills_df['Number of jobs']
    plt.text(i, value + 1, f"{value}\n({value*100/len(individual_skill_count

plt.bar(rearranged_sum_empatt_skills_df.index, rearranged_sum_empatt_skills_
plt.xlabel('Employee attributes skills', fontsize=12)
plt.ylabel('Number of jobs', fontsize=12)
plt.ylim(0, 800)
plt.title('Distribution of Required Employee Attributes Skills for Data Ana
plt.show()
```