In [1]:
```
'''with summarize p3 dataset'''
```

Out[1]:
```
'with summarize p3 dataset'
```

In [2]:
```
!pip install sentence_transformers
import numpy as np
import pandas as pd
from transformers import pipeline
from sentence_transformers import SentenceTransformer, util
import os
import re

import nltk
from nltk.corpus import stopwords

from gensim.corpora import Dictionary
from gensim.models import HdpModel
from sklearn.metrics.pairwise import cosine_similarity
from sentence_transformers import SentenceTransformer
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.decomposition import TruncatedSVD
```

```
Collecting sentence_transformers
  Downloading sentence-transformers-2.2.2.tar.gz (85 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 86.0/86.0 kB 3.2 MB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Requirement already satisfied: transformers<5.0.0,>=4.6.0 in /opt/conda/lib/python3.
7/site-packages (from sentence_transformers) (4.26.1)
Requirement already satisfied: tqdm in /opt/conda/lib/python3.7/site-packages (from s
entence_transformers) (4.64.1)
Requirement already satisfied: torch>=1.6.0 in /opt/conda/lib/python3.7/site-packages
(from sentence_transformers) (1.13.0+cpu)
Requirement already satisfied: torchvision in /opt/conda/lib/python3.7/site-packages
(from sentence_transformers) (0.14.0+cpu)
Requirement already satisfied: numpy in /opt/conda/lib/python3.7/site-packages (from
sentence_transformers) (1.21.6)
Requirement already satisfied: scikit-learn in /opt/conda/lib/python3.7/site-packages
(from sentence_transformers) (1.0.2)
Requirement already satisfied: scipy in /opt/conda/lib/python3.7/site-packages (from
sentence_transformers) (1.7.3)
Requirement already satisfied: nltk in /opt/conda/lib/python3.7/site-packages (from s
entence_transformers) (3.2.4)
Requirement already satisfied: sentencepiece in /opt/conda/lib/python3.7/site-package
s (from sentence_transformers) (0.1.97)
Requirement already satisfied: huggingface-hub>=0.4.0 in /opt/conda/lib/python3.7/sit
e-packages (from sentence_transformers) (0.12.1)
Requirement already satisfied: pyyaml>=5.1 in /opt/conda/lib/python3.7/site-packages
(from huggingface-hub>=0.4.0->sentence_transformers) (6.0)
Requirement already satisfied: filelock in /opt/conda/lib/python3.7/site-packages (fr
om huggingface-hub>=0.4.0->sentence_transformers) (3.9.0)
Requirement already satisfied: typing-extensions>=3.7.4.3 in /opt/conda/lib/python3.
7/site-packages (from huggingface-hub>=0.4.0->sentence_transformers) (4.4.0)
Requirement already satisfied: requests in /opt/conda/lib/python3.7/site-packages (fr
om huggingface-hub>=0.4.0->sentence_transformers) (2.28.2)
Requirement already satisfied: packaging>=20.9 in /opt/conda/lib/python3.7/site-packa
ges (from huggingface-hub>=0.4.0->sentence_transformers) (23.0)
Requirement already satisfied: importlib-metadata in /opt/conda/lib/python3.7/site-pa
ckages (from huggingface-hub>=0.4.0->sentence_transformers) (4.11.4)
Requirement already satisfied: regex!=2019.12.17 in /opt/conda/lib/python3.7/site-pac
kages (from transformers<5.0.0,>=4.6.0->sentence_transformers) (2021.11.10)
Requirement already satisfied: tokenizers!=0.11.3,<0.14,>=0.11.1 in /opt/conda/lib/py
thon3.7/site-packages (from transformers<5.0.0,>=4.6.0->sentence_transformers) (0.13.
2)
Requirement already satisfied: six in /opt/conda/lib/python3.7/site-packages (from nl
tk->sentence_transformers) (1.16.0)
Requirement already satisfied: threadpoolctl>=2.0.0 in /opt/conda/lib/python3.7/site-
packages (from scikit-learn->sentence_transformers) (3.1.0)
Requirement already satisfied: joblib>=0.11 in /opt/conda/lib/python3.7/site-packages
(from scikit-learn->sentence_transformers) (1.2.0)
Requirement already satisfied: pillow!=8.3.*,>=5.3.0 in /opt/conda/lib/python3.7/site
-packages (from torchvision->sentence_transformers) (9.4.0)
Requirement already satisfied: zipp>=0.5 in /opt/conda/lib/python3.7/site-packages (f
rom importlib-metadata->huggingface-hub>=0.4.0->sentence_transformers) (3.11.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /opt/conda/lib/python3.7/s
ite-packages (from requests->huggingface-hub>=0.4.0->sentence_transformers) (2.1.1)
Requirement already satisfied: certifi>=2017.4.17 in /opt/conda/lib/python3.7/site-pa
ckages (from requests->huggingface-hub>=0.4.0->sentence_transformers) (2022.12.7)
Requirement already satisfied: idna<4,>=2.5 in /opt/conda/lib/python3.7/site-packages
(from requests->huggingface-hub>=0.4.0->sentence_transformers) (3.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /opt/conda/lib/python3.7/site
-packages (from requests->huggingface-hub>=0.4.0->sentence_transformers) (1.26.14)
Building wheels for collected packages: sentence_transformers
```

```
  Building wheel for sentence_transformers (setup.py) ... done
  Created wheel for sentence_transformers: filename=sentence_transformers-2.2.2-py3-n
one-any.whl size=125938 sha256=70cd2731bbc7e8c86222df293fe44efd4b38b6224cc8e9cecfa1fb
22eb876708
  Stored in directory: /root/.cache/pip/wheels/83/71/2b/40d17d21937fed496fb99145227ec
a8f20b4891240ff60c86f
Successfully built sentence_transformers
Installing collected packages: sentence_transformers
Successfully installed sentence_transformers-2.2.2
WARNING: Running pip as the 'root' user can result in broken permissions and conflict
ing behaviour with the system package manager. It is recommended to use a virtual env
ironment instead: https://pip.pypa.io/warnings/venv
```

In [3]:

```
summarizer = pipeline("summarization", model="philschmid/bart-large-cnn-samsum")
model = SentenceTransformer('all-MiniLM-L6-v2')
```

```
Downloading (…)lve/main/config.json:   0%|          | 0.00/1.63k [00:00<?, ?B/s]
Downloading (…)"pytorch_model.bin";:   0%|          | 0.00/1.63G [00:00<?, ?B/s]
Downloading (…)okenizer_config.json:   0%|          | 0.00/300 [00:00<?, ?B/s]
Downloading (…)olve/main/vocab.json:   0%|          | 0.00/798k [00:00<?, ?B/s]
Downloading (…)olve/main/merges.txt:   0%|          | 0.00/456k [00:00<?, ?B/s]
Downloading (…)cial_tokens_map.json:   0%|          | 0.00/239 [00:00<?, ?B/s]
Downloading (…)e9125/.gitattributes:   0%|          | 0.00/1.18k [00:00<?, ?B/s]
Downloading (…)_Pooling/config.json:   0%|          | 0.00/190 [00:00<?, ?B/s]
Downloading (…)7e55de9125/README.md:   0%|          | 0.00/10.6k [00:00<?, ?B/s]
Downloading (…)55de9125/config.json:   0%|          | 0.00/612 [00:00<?, ?B/s]
Downloading (…)ce_transformers.json:   0%|          | 0.00/116 [00:00<?, ?B/s]
Downloading (…)125/data_config.json:   0%|          | 0.00/39.3k [00:00<?, ?B/s]
Downloading (…)"pytorch_model.bin";:   0%|          | 0.00/90.9M [00:00<?, ?B/s]
Downloading (…)nce_bert_config.json:   0%|          | 0.00/53.0 [00:00<?, ?B/s]
Downloading (…)cial_tokens_map.json:   0%|          | 0.00/112 [00:00<?, ?B/s]
Downloading (…)e9125/tokenizer.json:   0%|          | 0.00/466k [00:00<?, ?B/s]
Downloading (…)okenizer_config.json:   0%|          | 0.00/350 [00:00<?, ?B/s]
Downloading (…)9125/train_script.py:   0%|          | 0.00/13.2k [00:00<?, ?B/s]
Downloading (…)7e55de9125/vocab.txt:   0%|          | 0.00/232k [00:00<?, ?B/s]
Downloading (…)5de9125/modules.json:   0%|          | 0.00/349 [00:00<?, ?B/s]
```

In [4]:

```
expected_answer="""Dear @ORGANIZATION1, The computer blinked to life and an image of a
answer="""I think computers are good because you can talk to your friends and family c
```

In [5]:

```
def preprocess_text(x:str,remove_stopwords=False)->str:
    x = x.lower()
    x = re.sub("[^a-z\s+]","",x)
    if remove_stopwords:
        x = " ".join([word for word in x.split() if word not in  stopwords.words('engl
    return x
preprocess_text(expected_answer,remove_stopwords=True)
```

Out[5]:
```
'dear organization computer blinked life image blonde haired girl filled screen easy
find life location thanks actual caps girl explaining going library wouldnt filled on
e priceless information human interection computers nessessity life soceity wishes gr
ow expand supported teach hand eye coordination give people ability learn faraway pla
ces allow people talk others online firstly computers help teach hand eye coordinatio
n handeye coordination useful ability usod excel sports recent survey percent kids fe
lt hand eye coordination improves computer use even simple thing like tying build ski
ll famous neurologist caps person stated article last week caps computer strength cap
s computer automatically process eyes see command hands caps hand eye coordination im
prove people sports baseball basketball someone want become better sports theyd need
turn computer people become better sports theyre likely play become healthy reality c
omputers help exercising instead decreasing additionaly computers allow people access
information faraway places people someone wanted reasearch location theyd need type s
earch would presented would link forever search countless things also ability learn c
ultures make peole peole cultures understand others something increase tolerance peop
le computers resourceful tool help people every different aspect life lastly computer
technology allow people chat computer chat video chat help different nations bring go
od terms places help us understand story comes something happend location people go c
omputer ask actual location citizen take matter also video chat online conversation c
ut expensive phone bills one wants pay economy another good point acess family member
s scaresly visit help connect within family oviously computers useful aid todays era
advancements push world foreward better place computers help people help teach handey
e coordination give people bility learn faraway places people allow people talk onlin
e others think world computers technologicall advancements world would sectored unifi
ed contact people scare information even internet like thousands librarys put togethe
r nobody would know much nations news would travel slower kind palce want people liv
e'
```

In [6]:
```python
def get_similarity_using_HDP(answer,expected_answer):

    data = [preprocess_text(temp).split(" ") for temp in [answer,expected_answer]]
    dictionary = Dictionary(data)
    corpus = [dictionary.doc2bow(doc) for doc in data]
    print(dictionary)
    hdp = HdpModel(corpus, dictionary)
    doc1_topics = hdp[corpus[0]]
    doc2_topics = hdp[corpus[1]]
    similarity = cosine_similarity(doc1_topics, doc2_topics).mean()

    return (similarity)
similarity = get_similarity_using_HDP(answer,expected_answer)
similarity
```

```
Dictionary(253 unique tokens: ['a', 'and', 'are', 'because', 'can']...)
```

Out[6]:
```
0.8497351606019172
```

In [7]:
```python
def get_similarity_using_bert(answer,expected_answer):

    data = [preprocess_text(temp) for temp in [answer,expected_answer]]
    model = SentenceTransformer('bert-base-nli-mean-tokens')
    embeddings = model.encode(data)
    similarity = cosine_similarity([embeddings[0]], [embeddings[1]]).mean()
    return (similarity)
similarity = get_similarity_using_bert(answer,expected_answer)
similarity
```

```
Downloading (…)821d1/.gitattributes:   0%|          | 0.00/391 [00:00<?, ?B/s]
Downloading (…)_Pooling/config.json:   0%|          | 0.00/190 [00:00<?, ?B/s]
Downloading (…)8d01e821d1/README.md:   0%|          | 0.00/3.95k [00:00<?, ?B/s]
Downloading (…)d1/added_tokens.json:   0%|          | 0.00/2.00 [00:00<?, ?B/s]
```

```
Downloading (…)01e821d1/config.json:   0%|          | 0.00/625 [00:00<?, ?B/s]
Downloading (…)ce_transformers.json:   0%|          | 0.00/122 [00:00<?, ?B/s]
Downloading (…)"pytorch_model.bin";:   0%|          | 0.00/438M [00:00<?, ?B/s]
Downloading (…)nce_bert_config.json:   0%|          | 0.00/53.0 [00:00<?, ?B/s]
Downloading (…)cial_tokens_map.json:   0%|          | 0.00/112 [00:00<?, ?B/s]
Downloading (…)821d1/tokenizer.json:   0%|          | 0.00/466k [00:00<?, ?B/s]
Downloading (…)okenizer_config.json:   0%|          | 0.00/399 [00:00<?, ?B/s]
Downloading (…)8d01e821d1/vocab.txt:   0%|          | 0.00/232k [00:00<?, ?B/s]
Downloading (…)1e821d1/modules.json:   0%|          | 0.00/229 [00:00<?, ?B/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

Out[7]:

```
0.74337614
```

In [8]:

```
from gensim.models import LdaModel
def get_similarity_using_lda(answer,expected_answer):
    temp = [preprocess_text(x,remove_stopwords=True).split(" ") for x in [answer,expec
    dictionary = Dictionary(temp)
    matrix = [dictionary.doc2bow(doc) for doc in temp]
    # training the LDA model
    num_topics = 20
    ldamodel = LdaModel(matrix, num_topics = num_topics, id2word = dictionary, passes=
    sentence1_topic_distribution = ldamodel[dictionary.doc2bow(temp[0])]
    sentence2_topic_distribution = ldamodel[dictionary.doc2bow(temp[1])]
    similarity = cosine_similarity(sentence1_topic_distribution,sentence2_topic_distri
    return (similarity)
get_similarity_using_lda(answer,expected_answer)
```

Out[8]:

```
0.9994696300347825
```

In [9]:

```
def get_similarity_using_lsa(answer,expected_answer):

    documents = [preprocess_text(x,remove_stopwords=True) for x in [answer, expected_a

    # Create the TF-IDF matrix
    tfidf_vectorizer = TfidfVectorizer()
    tfidf_matrix = tfidf_vectorizer.fit_transform(documents)

    # Perform LSA
    lsa = TruncatedSVD(n_components=20)
    doc_topic_matrix = lsa.fit_transform(tfidf_matrix)

    # Measure the similarity between the two documents
    similarity = cosine_similarity(doc_topic_matrix[0].reshape(1,-1), doc_topic_matrix
    return (similarity)
similarity = get_similarity_using_lsa(answer,expected_answer)
similarity
```

Out[9]:

```
array([[0.32546585]])
```

In [11]:

```
df = pd.read_csv('/kaggle/input/answerscript4/p3.csv')
```

In [12]:

```
looper = list(df['essay_set'].unique())

df2=df[['essay_set','domain1_score']]
df2['new_score']=None
```

```
/opt/conda/lib/python3.7/site-packages/ipykernel_launcher.py:4: SettingWithCopyWarnin
g:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/us
er_guide/indexing.html#returning-a-view-versus-a-copy
  after removing the cwd from sys.path.
```

In [13]:
```
df2['score_LDA']=None
df2['score_LSA']=None
df2['score_HDP']=None
df2['score_bert']=None
```

```
/opt/conda/lib/python3.7/site-packages/ipykernel_launcher.py:1: SettingWithCopyWarnin
g:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/us
er_guide/indexing.html#returning-a-view-versus-a-copy
  """Entry point for launching an IPython kernel.
/opt/conda/lib/python3.7/site-packages/ipykernel_launcher.py:2: SettingWithCopyWarnin
g:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/us
er_guide/indexing.html#returning-a-view-versus-a-copy

/opt/conda/lib/python3.7/site-packages/ipykernel_launcher.py:3: SettingWithCopyWarnin
g:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/us
er_guide/indexing.html#returning-a-view-versus-a-copy
  This is separate from the ipykernel package so we can avoid doing imports until
/opt/conda/lib/python3.7/site-packages/ipykernel_launcher.py:4: SettingWithCopyWarnin
g:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/us
er_guide/indexing.html#returning-a-view-versus-a-copy
  after removing the cwd from sys.path.
```

In [14]:
```
def scoring(answer_sheet, students_answers, marks_org):
  c=0
  t1=answer_sheet


  data = summarizer(answer_sheet)
  data = data[0]['summary_text']
  t2=data
  embeddings1 = model.encode(data, convert_to_tensor=True)
  t=max(marks_org)
  for enum,i in enumerate(students_answers):
```

```
    embeddings2 = model.encode(i, convert_to_tensor=True)
    cosine_scores = util.cos_sim(embeddings1, embeddings2)
    k=float(t*cosine_scores[0][0])
    df2.at[enum, "new_score"] = k
   # print(i,"-------------------", marks_org[enum], str.format("{0:.2f}", cosine_sco
    print(marks_org[enum],k)
```

In [15]:
```
def scoring5(answer_sheet, students_answers, marks_org):
  c=0
  t1=answer_sheet


  data = summarizer(answer_sheet)
  data = data[0]['summary_text']
  t2=data

  t=max(marks_org)
  for enum,i in enumerate(students_answers):

    k1=get_similarity_using_bert(i,data)
    k=float(t*k1)
    df2.at[enum, "score_bert"] = k
   # print(i,"-------------------", marks_org[enum], str.format("{0:.2f}", cosine_sco
```

In [16]:
```
def scoring2(answer_sheet, students_answers, marks_org):
  data = summarizer(answer_sheet)
  data = data[0]['summary_text']
  embeddings1 = model.encode(data, convert_to_tensor=True)
  t=max(marks_org)
  for enum,i in enumerate(students_answers):
   t1=get_similarity_using_lda(i,data)
   k=float(t*t1)
   df2.at[enum, "score_LDA"] = k
```

In [17]:
```
def scoring3(answer_sheet, students_answers, marks_org):
  data = summarizer(answer_sheet)
  data = data[0]['summary_text']
  embeddings1 = model.encode(data, convert_to_tensor=True)
  t=max(marks_org)
  for enum,i in enumerate(students_answers):
   t1=get_similarity_using_lsa(i,data)
   k=float(t*t1)
   df2.at[enum, "score_LSA"] = k
```

In [18]:
```
def scoring4(answer_sheet, students_answers, marks_org):
  data = summarizer(answer_sheet)
  data = data[0]['summary_text']
  embeddings1 = model.encode(data, convert_to_tensor=True)
  t=max(marks_org)
  for enum,i in enumerate(students_answers):
```

```
    t1=get_similarity_using_HDP(i,data)
    k=float(t*t1)
    df2.at[enum, "score_HDP"] = k
```

In [19]:
```
for i in looper:

     df_ind = df.loc[df['essay_set']==int(i)]

     df_ind = df_ind[['essay','domain1_score']]

     df_ind = df_ind.sort_values(by= ["domain1_score"], ascending=False)

     answer_sheet = df_ind.iloc[0]['essay']

     df_ind = df_ind.drop(0)

     students_answers = list(df['essay'].values)
     marks_org = list(df['domain1_score'].values)

     scoring(answer_sheet, students_answers, marks_org)
     scoring2(answer_sheet, students_answers, marks_org)
     scoring3(answer_sheet, students_answers, marks_org)
     scoring4(answer_sheet, students_answers, marks_org)
     scoring5(answer_sheet, students_answers, marks_org)
```

```
Your max_length is set to 142, but you input_length is only 141. You might consider d
ecreasing max_length manually, e.g. summarizer('...', max_length=70)
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5678086280822754
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3058133125305176
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.079461932182312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5925393104553223
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4818403720855713
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4726824760437012
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0113437175750732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.2816967964172363
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7134509086608887
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0565855503082275
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4134094715118408
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2868598699569702
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9532161355018616
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5681190490722656
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 2.542116165161133
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8653240203857422
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0770232677459717
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5097050666809082
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9122200012207031
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.669118881225586
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4702821969985962
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4239052534103394
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.51691472530365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4227581024169922
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2411137819290161
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3399431705474854
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.5378084778785706
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.453713059425354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.031651496887207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.302892804145813
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5456171035766602
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6063116788864136
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.496051549911499
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.900871753692627
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3171184062957764
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.471014380455017
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.777982473373413
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3871208429336548
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4500644207000732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8083728551864624
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2835222482681274
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.599299430847168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.617468237876892
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.240761637687683
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.4618085622787476
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.240654230117798
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8363887071609497
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8920786380767822
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8805742263793945
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.203160285949707
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.443359613418579
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5765902996063232
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.903448224067688
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6369682550430298
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4276506900787354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.528008222579956
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5099225044250488
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6908856630325317
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.303329348564148
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.303903341293335
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.3084471225738525
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.273172378540039
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4883848428726196
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3397053480148315
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.672865390777588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4437400102615356
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6657419204711914
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7041515111923218
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8397951126098633
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.555760383605957
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1762149333953857
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.747798204421997
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5116243362426758
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3533351421356201
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.526177167892456
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3011935949325562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1493031978607178
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9067988395690918
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1632037162780762
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.570137619972229
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7493399381637573
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.223235845565796
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9631281495094299
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7088639736175537
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1197826862335205
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7388900518417358
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.575942039489746
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.292272925376892
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4237480163574219
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1078872680664062
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2552084922790527
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2624239921569824
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.091855525970459
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.721489667892456
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3494399785995483
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0477511882781982
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0289382934570312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2309179306030273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3890693187713623
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4649525880813599
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.7465436458587646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5620343685150146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7923736572265625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5040740966796875
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 0.5553767681121826
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1759703159332275
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6836435794830322
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3629109859466553
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1235817670822144
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.371300220489502
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6060634851455688
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7441046237945557
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.105539321899414
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3133811950683594
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4669671058654785
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.703371286392212
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4621520042419434
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.204831123352051
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5879017114639282
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1034845113754272
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1931264400482178
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4058915376663208
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3508813381195068
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0504519939422607
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.856016755104065
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4388633966445923
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.860236644744873
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.6685810089111328
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8798108100891113
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9353911876678467
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5234521627426147
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.002925157546997
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1585975885391235
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.657004714012146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.4847400188446045
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.506951928138733
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.480259895324707
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3783903121948242
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6157516241073608
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5078248977661133
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9628455638885498
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9225823879241943
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2425953149795532
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.184787631034851
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8273285627365112
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.754318118095398
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8503544330596924
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.7724390029907227
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3094834089279175
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.7627807855606079
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8509999513626099
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6035385131835938
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7629222869873047
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4242061376571655
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7466914653778076
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3533580303192139
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5312039852142334
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8321928977966309
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.278924822807312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.888094186782837
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.651145339012146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4621186256408691
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9309290647506714
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0061614513397217
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.6622743606567383
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.537619948387146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3984352350234985
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0188134908676147
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4840500354766846
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1980950832366943
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8732810020446777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8494857549667358
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1335556507110596
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9459093809127808
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5471100807189941
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3119351863861084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9314512014389038
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1371912956237793
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5053157806396484
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8377047777175903
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5852388143539429
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9667049646377563
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.567931056022644
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5158196687698364
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.695826530456543
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.799914836883545
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8926650285720825
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3778040409088135
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1690250635147095
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7725421786308289
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.035618782043457
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4233392477035522
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.593087911605835
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.345531940460205
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.7646256685256958
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7958580255508423
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7772107124328613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7730742692947388
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5810627937316895
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4371113777160645
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.370422124862671
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4969418048858643
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6382814645767212
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4119374752044678
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7996838092803955
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0540435314178467
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5523605346679688
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.489222526550293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8383585214614868
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4208629131317139
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6991665363311768
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.694398283958435
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8423925638198853
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.999462366104126
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.812695860862732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2016074657440186
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7484877109527588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.2320735454559326
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.083275079727173
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3421283960342407
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.459871530532837
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4558825492858887
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2410304546356201
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6400811672210693
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.87979257106781
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4725942611694336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4517971277236938
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.9182932376861572
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4770004749298096
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7619720697402954
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5223278999328613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8958728313446045
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3792716264724731
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1052932739257812
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4262166023254395
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.472641110420227
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3714849948883057
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.27199125289917
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5032830238342285
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8382012844085693
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3129873275756836
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.558415412902832
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.895217776298523
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8456076383590698
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0762900114059448
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7538228034973145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9585379362106323
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6112840175628662
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.352051019668579
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5273910760879517
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1115758419036865
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.5586122274398804
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3454809188842773
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0438613891601562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.4662916660308838
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.387601375579834
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0244221687316895
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4794793128967285
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4484361410140991
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4245330095291138
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1874356269836426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0433847904205322
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4438282251358032
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1812615394592285
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3194881677627563
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5593910217285156
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.700151801109314
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2008153200149536
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7915693521499634
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4035109281539917
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.58261239528656
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.368621587753296
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7617344856262207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9018290042877197
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1561496257781982
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3341096639633179
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3849772214889526
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5557974576950073
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5877106189727783
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1651549339294434
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9207032918930054
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.179110050201416
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9104984998703003
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6703202724456787
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.0887590646743774
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9484524726867676
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1915998458862305
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9236392974853516
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7714495658874512
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3590428829193115
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.254218339920044
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4510492086410522
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1691266298294067
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.800864815711975
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6528420448303223
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3727257251739502
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6641619205474854
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2961499691009521
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6359095573425293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.7333260178565979
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7631540298461914
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4278452396392822
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3962202072143555
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8457585573196411
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5227437019348145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8477892279624939
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9762673377990723
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9951283931732178
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9927456378936768
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.487936496734619
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.501239538192749
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6874892711639404
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7831394672393799
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3340461254119873
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 2.123544692993164
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5842914581298828
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3741060495376587
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.2198187112808228
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6040915250778198
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1592987775802612
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4157733917236328
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8051992654800415
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3553895950317383
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7742698192596436
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1091821193695068
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5514247417449951
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9911285638809204
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4552369117736816
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0507662296295166
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9394481182098389
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0920913219451904
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.548142671585083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.38545560836792
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3157780170440674
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8147929906845093
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.127746343612671
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7066727876663208
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.615523099899292
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0120224952697754
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6196815967559814
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5455942153930664
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.010122299194336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4499818086624146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5902471542358398
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.5113250017166138
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6461485624313354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.496450424194336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6986029148101807
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0025923252105713
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7296202182769775
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5020538568496704
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9624225497245789
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3674955368041992
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6046292781829834
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7632405757904053
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0893545150756836
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7571934461593628
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4674957990646362
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3737964630126953
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6112251281738281
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7741600275039673
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.47243070602417
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.041846752166748
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6186506748199463
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4317939281463623
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3895220756530762
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2473068237304688
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6718292236328125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4446748495101929
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2520973682403564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5963706970214844
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.312103509902954
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5692800283432007
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8108755350112915
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.456174373626709
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3742454051971436
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3757545948028564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1693869829177856
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5144286155700684
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5261611938476562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3673391342163086
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.439302682876587
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1672049760818481
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3894389867782593
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5909279584884644
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.228651523590088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1463673114776611
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.318497896194458
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.150752544403076
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.219705581665039
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0980403423309326
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.3963468074798584
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1117799282073975
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3497596979141235
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3333137035369873
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6342089176177979
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.646899938583374
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2749481201171875
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.658483862876892
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1532363891601562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3012807369232178
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4838742017745972
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.065281867980957
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6788092851638794
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.6573340892791748
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.326106071472168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3513214588165283
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.681673526763916
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4484283924102783
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5179333686828613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1522138118743896
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6387298107147217
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6423577070236206
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.30546236038208
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5076916217803955
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.7258545160293579
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2434864044189453
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.011515498161316
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.317322254180908
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4704976081848145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.891756296157837
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7217597961425781
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.199562668800354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7544043064117432
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.4609907269477844
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0708043575286865
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.678620457649231
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.363479495048523
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4836628437042236
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2576459646224976
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3789595365524292
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1307504177093506
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7835309505462646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6105223894119263
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.7841843366622925
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.16493821144104
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.250598669052124
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3231735229492188
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7369189262390137
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9788626432418823
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1688401699066162
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6344605684280396
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.830174207687378
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8733732104301453
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2756781578063965
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7237462997436523
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8699853420257568
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7332494258880615
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5970134735107422
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.995366096496582
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.297435998916626
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6966066360473633
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7473080158233643
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3922842741012573
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2283718585968018
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8286052942276
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3373868465423584
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.949596881866455
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5953047275543213
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8445276021957397
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4813307523727417
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2089347839355469
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0404155254364014
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.260075330734253
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.408634901046753
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9155945777893066
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8655446767807007
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0997064113616943
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4169232845306396
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4380098581314087
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.35045742988586426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0196666717529297
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.658027172088623
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.43313759565353394
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4095969200134277
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7702217102050781
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3962876796722412
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5955162048339844
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.559950351715088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.773661494255066
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2906055450439453
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6881519556045532
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6396976709365845
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5020982027053833
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.504335880279541
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.33353590965271
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6385869979858398
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3559684753417969
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.544089436531067
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5188401937484741
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1415925025939941
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1021289825439453
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4541746377944946
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9673619270324707
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.3895268440246582
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5947309732437134
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5031192302703857
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.602716088294983
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8366119265556335
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.423918604850769
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.736741304397583
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7988488674163818
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.626298189163208
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.27544188499450684
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.997977614402771
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5585218667984009
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5065107345581055
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1575565338134766
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5776584148406982
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2623546123504639
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3816778659820557
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1278674602508545
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1908262968063354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4069904088974
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8430278301239014
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4991943836212158
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7267798781394958
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1546530723571777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.635614275932312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.073303699493408
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.488884687423706
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6438250541687012
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2429008483886719
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.59907865524292
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.9307992458343506
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.818690538406372
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9455344676971436
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4160046577453613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.806851863861084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.310427665710449
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.08026123046875
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.487013578414917
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5558507442474365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1427286863327026
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1530671119689941
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.502981424331665
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5675652027130127
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2587121725082397
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8870402574539185
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3786003589630127
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4739357233047485
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6255888938903809
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3627138137817383
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4135674238204956
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4219293594360352
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.644930124282837
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9971258640289307
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.352520227432251
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3905961513519287
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3054721355438232
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.152031660079956
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9587765336036682
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8653547763824463
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.881775975227356
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.5998854637145996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.206082344055176
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8006362915039062
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8638232946395874
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7257838249206543
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.2824782133102417
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.596630334854126
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.578864574432373
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.689947247505188
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9725569486618042
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0522403717041016
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2639806270599365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5701755285263062
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7023369073867798
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7634707689285278
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.055760383605957
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.111365795135498
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.263512372970581
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.305870532989502
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9700596332550049
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1363296508789062
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8429949283599854
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4769208431243896
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.603705644607544
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4935020208358765
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.288261890411377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6739501953125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1310551166534424
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3486480712890625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9323878288269043
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.4334008693695068
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6313815116882324
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2069313526153564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.573069453239441
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.478349208831787
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.433639407157898
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8953773379325867
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9254932403564453
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8153841495513916
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2704453468322754
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.46172297000885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4763468503952026
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3815932273864746
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.656469702720642
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7689337730407715
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5016998052597046
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.682821273803711
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4852302074432373
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8360332250595093
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7614250183105469
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.892104983329773
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.2876112461090088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3068351745605469
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.137897253036499
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.500024676322937
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4842064380645752
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5351566076278687
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4257118701934814
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4293546676635742
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4648795127868652
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.8996284008026123
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3546953201293945
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.825920581817627
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4805099964141846
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5259768962860107
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8381536602973938
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1485761404037476
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7009621858596802
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.754739761352539
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6850409507751465
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7342736721038818
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7376086711883545
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.631861686706543
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5883129835128784
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4088581800460815
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.044856071472168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.837238073348999
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5915731191635132
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9696784019470215
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2859172821044922
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.2794138193130493
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2062559127807617
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.3156903982162476
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7310407161712646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.751265048980713
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.180142879486084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5463567972183228
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1417378187179565
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4855313301086426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3201179504394531
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.3005774021148682
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1599843502044678
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.502196192741394
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7282214164733887
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9073134660720825
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4403345584869385
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7940361499786377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6245477199554443
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2061452865600586
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9841855764389038
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.70359468460083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7556720972061157
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2862696647644043
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2145955562591553
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.660539150238037
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4572501182556152
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6899712085723877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8899319171905518
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9550607204437256
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0534579753875732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.930466890335083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.786885142326355
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1556816101074219
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.160271167755127
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0922256708145142
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5827765464782715
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4222742319107056
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.498976469039917
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.507251501083374
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6984102725982666
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 2.387829303741455
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2503411769866943
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.9626907110214233
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1332197189331055
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8073822855949402
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.220031261444092
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7731540203094482
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9829134941101074
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7052140831947327
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4176422357559204
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.329629898071289
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4304122924804688
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.461435317993164
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2704137563705444
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4624942541122437
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.246584415435791
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4127097129821777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1453423500061035
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9276187419891357
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4685580730438232
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.7764726877212524
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.687693476676941
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2804899215698242
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7292029857635498
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3518824577331543
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9145594239234924
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7508864402770996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.874086618423462
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.240088701248169
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4437661170959473
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.4981173276901245
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3647091388702393
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5969693660736084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4316589832305908
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6156775951385498
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4072654247283936
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.240044355392456
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4313347339630127
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5505833625793457
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4269866943359375
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4805353879928589
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.374328851699829
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5873026847839355
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5391273498535156
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.376034140586853
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.581372857093811
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0319921970367432
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2724416255950928
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0251226425170898
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8738477230072021
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8964965343475342
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8400636911392212
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1763583421707153
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4596728086471558
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8941167593002319
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1981995105743408
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5443894863128662
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7583414316177368
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2086055278778076
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.454718828201294
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.541048526763916
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.488025426864624
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8381454944610596
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4740498065948486
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.731933355331421
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4465711116790771
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5871825218200684
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1169832944869995
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.3733110427856445
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6070220470428467
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1878175735473633
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3117997646331787
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3434165716171265
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8852342367172241
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1318087577819824
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6009340286254883
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6190804243087769
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8110329508781433
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1667814254760742
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2219460010528564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.3916535377502441
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7040436267852783
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6100234985351562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4921247959136963
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6458688974380493
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3473790884017944
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5676013231277466
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.216204047203064
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3341093063354492
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.631966471672058
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.7191654443740845
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.792012095451355
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4812462329864502
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.706737756729126
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.533144235610962
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.427532434463501
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3517231941223145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9412806034088135
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6703592538833618
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4511475563049316
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3402125835418701
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3800228834152222
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1435651779174805
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5586127042770386
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0909953117370605
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6901010274887085
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7402540445327759
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2422974109649658
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4237741231918335
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3625684976577759
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.906754970550537
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3540167808532715
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4914638996124268
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6265087127685547
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.4972243309020996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.56645131111145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2721484899520874
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1122937202453613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7923250198364258
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8241899013519287
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.2329734563827515
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8952513933181763
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.033705711364746
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8152735233306885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.147378444671631
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1975882053375244
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7376065254211426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1026253700256348
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.5884606838226318
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.204078197479248
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1802233457565308
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8229272961616516
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2748750448226929
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4923068284988403
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6352126598358154
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.319349765777588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8277909755706787
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1542385816574097
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.54344642162323
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.088317394256592
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.600860357284546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7298171520233154
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3034175634384155
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7234076261520386
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0090081691741943
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1796636581420898
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6097270250320435
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9480674266815186
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1116924285888672
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7601689100265503
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.687016487121582
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4399207830429077
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9672787189483643
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.778571367263794
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.4032835960388184
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.241292953491211
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1233490705490112
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.906446933746338
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1883914470672607
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8946995735168457
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.2508130073547363
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1195638179779053
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3176600933074951
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.039564609527588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.585911512374878
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.788892149925232
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.092721939086914
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.7995105385780334
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7444225549697876
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3581136465072632
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6802887916564941
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5203579664230347
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4694859981536865
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9975337982177734
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.023624897003174
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9928073287010193
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8450164794921875
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8759444952011108
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0511107444763184
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7026927471160889
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.673062801361084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8218350410461426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.511245608329773
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3204786777496338
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3814008235931396
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6371842622756958
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2929182052612305
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5063661336898804
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.814100980758667
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.412750482559204
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.125096559524536
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9223881959915161
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6239137649536133
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.107395052909851
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1592968702316284
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6168510913848877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.35081946849823
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4291882514953613
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3649275302886963
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7027976512908936
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2430377006530762
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7649083137512207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3810153007507324
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1856825351715088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8203044533729553
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2048221826553345
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.617565631866455
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5731563568115234
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4341024160385132
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6886018514633179
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
0.0 2.2420482635498047
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6388100385665894
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1829092502593994
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2130556106567383
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.143073558807373
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2158594131469727
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9235630631446838
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8781137466430664
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8123064041137695
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8780605792999268
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3973536491394043
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0769301652908325
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1152563095092773
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1267757415771484
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8261330127716064
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3287222385406494
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6304004192352295
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.197132110595703
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0620914697647095
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.4147837162017822
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2343387603759766
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5398101806640625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9406383037567139
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4884806871414185
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2117929458618164
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.474608898162842
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5227326154708862
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6993176937103271
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3258520364761353
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6850266456604004
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.678003191947937
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6415374279022217
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7857729196548462
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1787054538726807
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.047572135925293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2739160060882568
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0744844675064087
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2123897075653076
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3855700492858887
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.173404335975647
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0833072662353516
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7882919311523438
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.844877004623413
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0606495141983032
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.52286958694458
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5505732297897339
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.597092866897583
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0121872425079346
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4484059810638428
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3594175577163696
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.530302882194519
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2855416536331177
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7390875816345215
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0719480514526367
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8280525207519531
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4054802656173706
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.8865594863891602
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3086485862731934
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7741972208023071
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.736939549446106
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.3785300254821777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7025071382522583
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.891174554824829
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.5276471376419067
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.381483316421509
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4438796043395996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.834542989730835
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.249034881591797
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3171921968460083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8844059705734253
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4080970287322998
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8172228336334229
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1287474632263184
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3649992942810059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.212959885597229
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.136868715286255
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4932891130447388
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.344379186630249
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5653396844863892
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2193381786346436
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7050952911376953
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.778609037399292
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.536160945892334
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.2551069259643555
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3433836698532104
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5391268730163574
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.6629109382629395
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2144465446472168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9563164710998535
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0844862461090088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 0.9211370944976807
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.388780117034912
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.324602484703064
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7123018503189087
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6161843538284302
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.61505126953125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9544899463653564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2644449472427368
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5313160419464111
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4821404218673706
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3026140928268433
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5190727710723877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.753654956817627
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.409517765045166
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5027706623077393
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.879907488822937
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.3429818153381348
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3899221420288086
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.355287790298462
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8491159677505493
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.838369369506836
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4674999713897705
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4729448556900024
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6504930257797241
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.670987844467163
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6421070098876953
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8045791387557983
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3747442960739136
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7623111009597778
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6386630535125732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.8095887899398804
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1914470195770264
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3127949237823486
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.214045524597168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0832114219665527
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.313633680343628
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5210131406784058
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.103231191635132
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.209071397781372
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1860713958740234
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4354878664016724
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3164279460906982
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.453066349029541
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.082755208015442
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0970746278762817
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.28340744972229
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5536985397338867
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6634491682052612
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8327609300613403
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.642370581626892
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3296566009521484
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2725682258605957
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5472264289855957
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3525946140289307
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9095778465270996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4672245979309082
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7724394798278809
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6296818256378174
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.751821517944336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5987639427185059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.0389324426651
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8574129343032837
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2486625909805298
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.2863941192626953
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3965773582458496
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8759541511535645
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1994779109954834
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3979341983795166
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0725834369659424
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.7815804481506348
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6068320274353027
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.956189751625061
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4219566583633423
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.451483130455017
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0773591995239258
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2195923328399658
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.730555534362793
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8577749729156494
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4298746585845947
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.290547490119934
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6503363847732544
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4493825435638428
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8024365901947021
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.4912581145763397
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6815358400344849
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6423723697662354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.315631628036499
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6542627811431885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5960898399353027
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5748103857040405
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.657102346420288
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5885405540466309
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4239176511764526
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2717291116714478
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.59323251247406
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5996612310409546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3345245122909546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6811445951461792
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3670639991760254
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.469983696937561
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7421441078186035
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2773191928863525
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7981550693511963
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4999796152114868
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8757048845291138
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.318701148033142
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4397623538970947
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.677045464515686
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.862640142440796
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.136269211769104
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2057119607925415
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4627803564071655
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2088804244995117
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3231990337371826
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.105422019958496
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4517978429794312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.33843994140625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4936494827270508
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.054152488708496
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.133741855621338
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.1681945323944092
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8268178701400757
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6770961284637451
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4390428066253662
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.870300054550171
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3026484251022339
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.537644624710083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1847730875015259
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4730355739593506
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7885642051696777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0911893844604492
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.778771162033081
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.699143648147583
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3842744827270508
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.17739999294281
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4316802024841309
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2555043697357178
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.285417079925537
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7349443435668945
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1711246967315674
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6316510438919067
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7294787168502808
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.544499158859253
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.5735688209533691
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5746937990188599
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4417331218719482
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5618048906326294
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1148004531860352
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.466552734375
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6661796569824219
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.5770126581192017
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7268590927124023
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2399065494537354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.395883560180664
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5009115934371948
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3480007648468018
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0153816938400269
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7179536819458008
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.379117012023926
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8012725114822388
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6132053136825562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9320112466812134
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.172986388206482
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.626249313354492
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4858647584915161
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3945121765136719
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5690786838531494
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9670109748840332
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.13740913569927216
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5169262886047363
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.914425253868103
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9627511501312256
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.461205005645752
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3740272521972656
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5475685596466064
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9463337659835815
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2049716711044312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8093042373657227
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5331971645355225
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5204298496246338
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.4283759593963623
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4425814151763916
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.4371793270111084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5954519510269165
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.649133324623108
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9171439409255981
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2758041620254517
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2458313703536987
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1959788799285889
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4768857955932617
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4758126735687256
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7673118114471436
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6141529083251953
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3890140056610107
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7947601079940796
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9552849531173706
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.413905382156372
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.054832935333252
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0155413150787354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5921173095703125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5267200469970703
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.608351707458496
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.487213134765625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1377613544464111
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9749152660369873
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.1007168292999268
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6889652013778687
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0662813186645508
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.041005253791809
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2032159566879272
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.8236117362976074
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1177666187286377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0794997215270996
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8875139951705933
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9383671283721924
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8325097560882568
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9308472275733948
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.2053310871124268
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.47110116481781
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.393307089805603
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.108293056488037
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.09976863861084
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2366234064102173
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4349253177642822
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.849134922027588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2364225387573242
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8940927982330322
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3743445873260498
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.844832181930542
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3912686109542847
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1900138854980469
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2033923864364624
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4782238006591797
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.105132818222046
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5329644680023193
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4120895862579346
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8599903583526611
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.7243006229400635
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.107234477996826
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.740508794784546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.2998874187469482
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.902392864227295
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4114789962768555
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.262784481048584
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.404030203819275
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4620853662490845
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6230922937393188
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7168487310409546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4236459732055664
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.087984561920166
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.585371971130371
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.365600824356079
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5016905069351196
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4424004554748535
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5293059349060059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.865964651107788
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8136546611785889
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5289924144744873
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2196028232574463
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1990013122558594
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2730151414871216
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4293835163116455
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4742090702056885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5851647853851318
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.933363676071167
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.465012788772583
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4587815999984741
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2773621082305908
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5703142881393433
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6316595077514648
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.5943232774734497
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1632471084594727
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9072598218917847
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6860249042510986
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.243356466293335
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6757254600524902
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.553067684173584
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.307548999786377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5134577751159668
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.485296607017517
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1352723836898804
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4552092552185059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5816010236740112
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.01385498046875
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.011897087097168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6874299049377441
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1641597747802734
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.617706060409546
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2773973941802979
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8614509105682373
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.077126979827881
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2032089233398438
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8427298069000244
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3212864398956299
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2461318969726562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.07724928855896
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5348683595657349
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.626275897026062
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3647077083587646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8441728353500366
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.8948222398757935
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8444759845733643
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9440491199493408
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6605452299118042
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7435460090637207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1455169916152954
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.575332522392273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5459905862808228
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.979560136795044
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9783339500427246
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8395309448242188
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.804917335510254
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.70294988155365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3782957792282104
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3230137825012207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.519992470741272
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1328076124191284
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7600505948066711
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.6065771579742432
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9800020456314087
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6896182298660278
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2418802976608276
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2861489057540894
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7750065326690674
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.026993751525879
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4956700801849365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4658911228179932
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3219256401062012
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.251619815826416
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1134387254714966
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.9748589992523193
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0828979015350342
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.027625322341919
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.032633066177368
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4410004615783691
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.81895112991333
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1906824111938477
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9355813264846802
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7552601099014282
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5150580406188965
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1876506805419922
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0046608448028564
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.999923050403595
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3961601257324219
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4437370300292969
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3871043920516968
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.1350674629211426
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3074935674667358
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.278765320777893
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.251781940460205
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3571968078613281
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8061963319778442
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6304515600204468
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.501415729522705
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4636788368225098
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9293447732925415
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2960420846939087
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7493585348129272
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0389599800109863
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6026663780212402
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.3442636728286743
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8953207731246948
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.465085744857788
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9087783694267273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.193567991256714
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.392598271369934
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5450825691223145
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.290788173675537
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2620038986206055
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0591696500778198
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.382248878479004
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5273616313934326
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.224562168121338
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7436800003051758
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.479686975479126
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.8760566711425781
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5486574172973633
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5080795288085938
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8633298873901367
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1834616661071777
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.77568781375885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.277371883392334
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.574546456336975
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.578568696975708
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4996447563171387
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.261988639831543
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9896528720855713
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.074378252029419
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.288299798965454
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0042362213134766
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.6098443269729614
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4717448949813843
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.6026499271392822
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.170058012008667
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2549532651901245
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.211756467819214
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8259016275405884
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0781396627426147
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3521337509155273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7055197954177856
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4898979663848877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5503944158554077
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6334720849990845
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.9660221338272095
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.262495756149292
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3846131563186646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2346628904342651
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.371330738067627
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7552804946899414
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.100579261779785
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2777117490768433
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3542747497558594
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6985775232315063
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4229300022125244
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3363161087036133
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3708066940307617
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.148537278175354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5060278177261353
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.226525902748108
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7996435165405273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 0.7314297556877136
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8394231796264648
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.897655963897705
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6580822467803955
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5987560749053955
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3332221508026123
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7203048467636108
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7557837963104248
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8482670187950134
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.257414698600769
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4703391790390015
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.124398946762085
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2379522323608398
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9846980571746826
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7172006368637085
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9127193689346313
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.418290138244629
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1688367128372192
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0868842601776123
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5064105987548828
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3070452213287354
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6907404661178589
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8768218755722046
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7070608139038086
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2404062747955322
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6195669174194336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1021227836608887
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.222395658493042
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8710074424743652
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7274008989334106
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.5002567768096924
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4755816459655762
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5150353908538818
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2553236484527588
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5318338871002197
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.317399263381958
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4168211221694946
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5634585618972778
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5272154808044434
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7528536319732666
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.119625449180603
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3440519571304321
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5636473894119263
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.843174695968628
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6222689151763916
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9972590208053589
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.0850075483322144
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2258498668670654
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.879257321357727
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6478651762008667
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4822304248809814
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6537888050079346
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9384455680847168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3574855327606201
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.610689401626587
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1531932353973389
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.197659492492676
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9769521951675415
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.525233507156372
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2425310611724854
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.6251211166381836
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4868497848510742
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1947851181030273
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.498861789703369
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.399183988571167
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9448387026786804
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8417744636535645
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.348238468170166
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6320464611053467
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3459441661834717
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4858561754226685
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6976323127746582
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4124751091003418
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1345267295837402
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0505818128585815
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5025516748428345
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6014522314071655
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.675296664237976
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8942500352859497
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9121400117874146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.5402107834815979
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1719954013824463
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9971981048583984
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3951671123504639
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4710395336151123
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4644103050231934
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6713001728057861
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8217889070510864
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5383765697479248
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.7647490501403809
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.7532159090042114
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.655810832977295
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3232719898223877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3879690170288086
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0401298999786377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.49855944514274597
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2644386291503906
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6235625743865967
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5830774307250977
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.3335068225860596
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.4662551879882812
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1929234266281128
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4970762729644775
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9204471111297607
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2729151248931885
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3765498399734497
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.55435049533844
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0025385618209839
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5767159461975098
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6576058864593506
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3676985502243042
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3023838996887207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1996173858642578
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6740784645080566
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4817345142364502
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.136374831199646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8953688144683838
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7818683385849
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0007655620574951
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5763776302337646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.7908518314361572
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6643142700195312
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4277534484863281
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5666465759277344
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4256075620651245
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7739765644073486
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4280742406845093
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9943583011627197
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9058575630187988
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4789667129516602
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7542555332183838
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7566777467727661
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9437553882598877
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7544589042663574
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.210723876953125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6175837516784668
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3430554866790771
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.480861186981201
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2925896644592285
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1019420623779297
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6939133405685425
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4088687896728516
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.04816472530365
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4832370281219482
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4465903043746948
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1625831127166748
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8672895431518555
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3781682252883911
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2717430591583252
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.456361770629883
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 0.904488205909729
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2216970920562744
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6293715238571167
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.291806697845459
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.381791353225708
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.635218620300293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9537038803100586
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1556788682937622
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6765899658203125
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.74759840965271
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.509394884109497
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2182667255401611
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9792506694793701
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.564711332321167
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4113353490829468
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8581335544586182
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7862236499786377
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.125046968460083
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.7700684070587158
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.6197382211685181
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.0395703315734863
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.7251158952713013
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.2644386291503906
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0389440059661865
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4636330604553223
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1416282653808594
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.953361988067627
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1795084476470947
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.483186960220337
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2330743074417114
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.9011286497116089
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4748233556747437
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.208506464958191
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5063369274139404
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5407021045684814
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4292800426483154
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4490727186203003
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.016827940940857
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.4457596242427826
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.226449966430664
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6725486516952515
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.51706862449646
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9381760358810425
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4246418476104736
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3887492418289185
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4785797595977783
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.836687684059143
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.125525712966919
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.7979573607444763
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.423865556716919
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2292826175689697
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4656050205230713
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5525996685028076
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3252341747283936
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.0527875423431396
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.432759165763855
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2579638957977295
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.834769368171692
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4278147220611572
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4426329135894775
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.442060112953186
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7390265464782715
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.512033462524414
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3764584064483643
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3264639377593994
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.9892668724060059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.198098659515381
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.088463544845581
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.640242338180542
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4711883068084717
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7079741954803467
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9108352661132812
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2419860363006592
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.075709581375122
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2366551160812378
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.421377420425415
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.423555850982666
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.206417441368103
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.1935505867004395
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2105712890625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4145714044570923
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.510199785232544
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.2174570560455322
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.0879886150360107
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1039087772369385
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3091531991958618
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.7752640843391418
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8475027084350586
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5936741828918457
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.5954598188400269
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
1.0 1.4655537605285645
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.9402236938476562
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4006869792938232
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2138382196426392
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.8615285754203796
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.481186032295227
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6966948509216309
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2735440731048584
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0413870811462402
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4286521673202515
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.487797260284424
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8469185829162598
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6752995252609253
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.300013542175293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6349787712097168
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4245550632476807
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.2712280750274658
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.806878685951233
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.619249939918518
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.4867467880249023
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5918176174163818
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.4562668800354004
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3428293466567993
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8901194334030151
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3389734029769897
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.1026062965393066
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3375942707061768
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.1987102031707764
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.760983943939209
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.0739154815673828
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.592128872871399
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.5575906038284302
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.136731743812561
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.3620697259902954
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8192662000656128
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4870744943618774
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8694427013397217
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 0.5515326261520386
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8832240104675293
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7218108177185059
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4163339138031006
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.8979460000991821
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5732897520065308
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.42633056640625
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.7457767724990845
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.1858925819396973
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.9800779819488525
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.921278476715088
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6781247854232788
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5379046201705933
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5156404972076416
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.554267406463623
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.446437954902649
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 1.629123330116272
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.47615155577659607
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.3623459339141846
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4215339422225952
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.7359952926635742
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 0.9820860028266907
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.8270313739776611
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
3.0 1.6155939102172852
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6066786050796509
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.6867003440856934
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6584868431091309
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.50765860080719
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.8380720615386963
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6650116443634033
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.2557358741760254
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.0536878108978271
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.5671215057373047
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.603872299194336
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.6806983947753906
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 0.9794291853904724
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.3965773582458496
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5047475099563599
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 2.0152499675750732
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 2.177654266357422
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.752842903137207
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.7445766925811768
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6002845764160156
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.4705572128295898
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.49721360206604
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 1.2033624649047852
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.4787622690200806
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
0.0 0.7968567609786987
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
3.0 1.8089479207992554
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.9369157552719116
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.6964521408081055
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
1.0 2.169295310974121
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
2.0 1.5095441341400146
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
2.0 1.4105297327041626
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Your max_length is set to 142, but you input_length is only 141. You might consider d
ecreasing max_length manually, e.g. summarizer('...', max_length=70)
3.0 2.878317356109619
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Your max_length is set to 142, but you input_length is only 141. You might consider d
ecreasing max_length manually, e.g. summarizer('...', max_length=70)
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Your max_length is set to 142, but you input_length is only 141. You might consider d
ecreasing max_length manually, e.g. summarizer('...', max_length=70)
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Dictionary(64 unique tokens: ['', 'a', 'affect', 'and', 'because']...)
Dictionary(136 unique tokens: ['', 'a', 'about', 'affected', 'all']...)
Dictionary(108 unique tokens: ['', 'a', 'advice', 'affected', 'age']...)
Dictionary(95 unique tokens: ['', 'a', 'advice', 'affected', 'after']...)
Dictionary(111 unique tokens: ['a', 'and', 'are', 'as', 'be']...)
Dictionary(87 unique tokens: ['', 'a', 'affected', 'all', 'almost']...)
Dictionary(70 unique tokens: ['a', 'and', 'conclusion', 'cut', 'cyclist']...)
Dictionary(98 unique tokens: ['a', 'about', 'affect', 'affects', 'all']...)
Dictionary(91 unique tokens: ['a', 'affects', 'ahead', 'as', 'beginning']...)
Dictionary(117 unique tokens: ['', 'a', 'accoutered', 'affect', 'ahead']...)
Dictionary(152 unique tokens: ['', 'a', 'agrees', 'all', 'and']...)
Dictionary(93 unique tokens: ['', 'able', 'affect', 'affects', 'also']...)
Dictionary(115 unique tokens: ['a', 'affected', 'and', 'as', 'balance']...)
Dictionary(84 unique tokens: ['abandoness', 'affected', 'and', 'are', 'around']...)
Dictionary(81 unique tokens: ['a', 'about', 'affect', 'aheaddo', 'and']...)
Dictionary(103 unique tokens: ['a', 'affect', 'affected', 'also', 'and']...)
Dictionary(101 unique tokens: ['a', 'ability', 'affected', 'affects', 'after']...)
Dictionary(104 unique tokens: ['a', 'abondored', 'about', 'addition', 'affected']...)
Dictionary(90 unique tokens: ['a', 'affect', 'affects', 'ahead', 'and']...)
Dictionary(99 unique tokens: ['a', 'advice', 'affect', 'affected', 'all']...)
Dictionary(71 unique tokens: ['a', 'affect', 'almost', 'and', 'are']...)
Dictionary(63 unique tokens: ['a', 'and', 'blowing', 'couple', 'cyclist']...)
Dictionary(118 unique tokens: ['', 'a', 'adventure', 'again', 'almost']...)
Dictionary(79 unique tokens: ['a', 'affecting', 'an', 'and', 'battery']...)
Dictionary(110 unique tokens: ['a', 'also', 'and', 'bad', 'became']...)
Dictionary(149 unique tokens: ['a', 'accepting', 'after', 'all', 'almost']...)
Dictionary(68 unique tokens: ['and', 'angre', 'because', 'do', 'easy']...)
Dictionary(127 unique tokens: ['a', 'ability', 'affect', 'affects', 'afraid']...)
Dictionary(94 unique tokens: ['a', 'about', 'all', 'along', 'and']...)
Dictionary(119 unique tokens: ['a', 'about', 'across', 'affect', 'affected']...)
Dictionary(107 unique tokens: ['', 'a', 'affect', 'affects', 'ahead']...)
Dictionary(90 unique tokens: ['', 'a', 'affect', 'and', 'another']...)
Dictionary(55 unique tokens: ['caps', 'cyclists', 'essay', 'gole', 'had']...)
Dictionary(90 unique tokens: ['', 'a', 'affects', 'all', 'and']...)
Dictionary(70 unique tokens: ['a', 'affected', 'and', 'bad', 'by']...)
Dictionary(130 unique tokens: ['', 'a', 'affects', 'and', 'are']...)
Dictionary(108 unique tokens: ['a', 'and', 'another', 'any', 'as']...)
Dictionary(150 unique tokens: ['a', 'advice', 'affect', 'after', 'all']...)
Dictionary(85 unique tokens: ['a', 'after', 'all', 'along', 'an']...)
Dictionary(87 unique tokens: ['', 'affect', 'all', 'and', 'apart']...)
Dictionary(83 unique tokens: ['a', 'along', 'and', 'another', 'because']...)
Dictionary(124 unique tokens: ['', 'a', 'advice', 'all', 'and']...)
Dictionary(81 unique tokens: ['abandoned', 'affect', 'affected', 'alot', 'and']...)
Dictionary(101 unique tokens: ['a', 'affect', 'also', 'and', 'are']...)
Dictionary(116 unique tokens: ['acid', 'again', 'and', 'approaches', 'are']...)
Dictionary(75 unique tokens: ['affected', 'ahead', 'and', 'another', 'botlle']...)
Dictionary(73 unique tokens: ['a', 'affect', 'after', 'all', 'also']...)
Dictionary(142 unique tokens: ['', 'a', 'abandoned', 'across', 'affected']...)
Dictionary(178 unique tokens: ['', 'a', 'affected', 'affects', 'ahead']...)
Dictionary(79 unique tokens: ['a', 'affect', 'ahead', 'all', 'and']...)
Dictionary(100 unique tokens: ['a', 'about', 'also', 'another', 'around']...)
Dictionary(133 unique tokens: ['a', 'adventure', 'affect', 'affected', 'all']...)
Dictionary(138 unique tokens: ['a', 'acknowledges', 'adequate', 'affect', 'ahea
d']...)
Dictionary(92 unique tokens: ['a', 'affected', 'another', 'any', 'because']...)
Dictionary(149 unique tokens: ['', 'a', 'affect', 'affects', 'again']...)
Dictionary(127 unique tokens: ['a', 'advice', 'affected', 'air', 'and']...)
Dictionary(86 unique tokens: ['', 'a', 'and', 'asks', 'author']...)
Dictionary(133 unique tokens: ['a', 'advanage', 'affected', 'all', 'alone']...)
Dictionary(90 unique tokens: ['', 'a', 'about', 'all', 'also']...)
```

```
Dictionary(128 unique tokens: ['add', 'advice', 'all', 'and', 'are']...)
Dictionary(96 unique tokens: ['a', 'able', 'acid', 'ahead', 'also']...)
Dictionary(83 unique tokens: ['', 'a', 'affect', 'affected', 'ahead']...)
Dictionary(72 unique tokens: ['a', 'acid', 'affects', 'and', 'are']...)
Dictionary(108 unique tokens: ['a', 'affected', 'after', 'almost', 'and']...)
Dictionary(77 unique tokens: ['a', 'all', 'and', 'as', 'big']...)
Dictionary(54 unique tokens: ['', 'affected', 'all', 'because', 'conditions']...)
Dictionary(102 unique tokens: ['', 'a', 'adventure', 'affected', 'after']...)
Dictionary(96 unique tokens: ['a', 'across', 'affect', 'affected', 'ahead']...)
Dictionary(76 unique tokens: ['', 'and', 'at', 'because', 'bumpy']...)
Dictionary(118 unique tokens: ['', 'a', 'affects', 'alot', 'also']...)
Dictionary(70 unique tokens: ['a', 'affected', 'and', 'another', 'being']...)
Dictionary(182 unique tokens: ['', 'a', 'adversities', 'affected', 'affects']...)
Dictionary(123 unique tokens: ['', 'a', 'affect', 'and', 'as']...)
Dictionary(117 unique tokens: ['', 'a', 'adiamond', 'and', 'animals']...)
Dictionary(76 unique tokens: ['a', 'actually', 'affect', 'also', 'are']...)
Dictionary(80 unique tokens: ['affects', 'also', 'and', 'because', 'being']...)
Dictionary(104 unique tokens: ['', 'a', 'afternoon', 'and', 'as']...)
Dictionary(99 unique tokens: ['a', 'acid', 'across', 'affect', 'almost']...)
Dictionary(118 unique tokens: ['', 'a', 'about', 'affected', 'and']...)
Dictionary(99 unique tokens: ['a', 'abandoned', 'about', 'affect', 'also']...)
Dictionary(71 unique tokens: ['affected', 'affects', 'and', 'any', 'aridiculousl
y']...)
Dictionary(76 unique tokens: ['a', 'affect', 'affects', 'also', 'and']...)
Dictionary(164 unique tokens: ['a', 'acid', 'ahead', 'all', 'although']...)
Dictionary(94 unique tokens: ['', 'a', 'affected', 'also', 'and']...)
Dictionary(100 unique tokens: ['a', 'abandon', 'adjectives', 'affect', 'affecte
d']...)
Dictionary(88 unique tokens: ['a', 'able', 'about', 'advice', 'amount']...)
Dictionary(97 unique tokens: ['a', 'affect', 'affected', 'an', 'and']...)
Dictionary(73 unique tokens: ['', 'a', 'affect', 'also', 'and']...)
Dictionary(82 unique tokens: ['', 'acid', 'affected', 'all', 'and']...)
Dictionary(87 unique tokens: ['a', 'abandoned', 'affect', 'aheadkurmaskie', 'al
l']...)
Dictionary(104 unique tokens: ['a', 'able', 'affect', 'also', 'and']...)
Dictionary(102 unique tokens: ['a', 'abandoned', 'affect', 'all', 'also']...)
Dictionary(95 unique tokens: ['affected', 'affects', 'ahead', 'also', 'and']...)
Dictionary(90 unique tokens: ['a', 'affected', 'also', 'amount', 'and']...)
Dictionary(142 unique tokens: ['a', 'across', 'affected', 'affectively', 'again']...)
Dictionary(81 unique tokens: ['a', 'acid', 'also', 'and', 'any']...)
Dictionary(177 unique tokens: ['', 'a', 'about', 'advice', 'affects']...)
Dictionary(131 unique tokens: ['', 'a', 'able', 'about', 'affect']...)
Dictionary(89 unique tokens: ['', 'affect', 'also', 'another', 'are']...)
Dictionary(84 unique tokens: ['a', 'acid', 'affected', 'also', 'and']...)
Dictionary(106 unique tokens: ['a', 'abandoned', 'affect', 'after', 'an']...)
Dictionary(98 unique tokens: ['', 'a', 'affect', 'and', 'because']...)
Dictionary(66 unique tokens: ['', 'a', 'affected', 'affects', 'also']...)
Dictionary(82 unique tokens: ['affected', 'affects', 'all', 'also', 'amount']...)
Dictionary(71 unique tokens: ['a', 'anywhere', 'around', 'because', 'civilization
s']...)
Dictionary(96 unique tokens: ['', 'a', 'affected', 'ahead', 'all']...)
Dictionary(156 unique tokens: ['', 'a', 'abandoned', 'actually', 'ahead']...)
Dictionary(90 unique tokens: ['a', 'abandoned', 'affect', 'and', 'any']...)
Dictionary(88 unique tokens: ['abandoned', 'adventure', 'all', 'alone', 'an']...)
Dictionary(104 unique tokens: ['a', 'allowed', 'allowing', 'and', 'bathroom']...)
Dictionary(151 unique tokens: ['', 'a', 'alive', 'all', 'an']...)
Dictionary(95 unique tokens: ['a', 'able', 'about', 'affect', 'affected']...)
Dictionary(109 unique tokens: ['a', 'across', 'affect', 'affected', 'ahead']...)
Dictionary(73 unique tokens: ['', 'affected', 'almost', 'am', 'and']...)
Dictionary(66 unique tokens: ['', 'a', 'adviced', 'and', 'as']...)
```

```
Dictionary(103 unique tokens: ['a', 'affects', 'and', 'anymore', 'around']...)
Dictionary(164 unique tokens: ['', 'a', 'abandoned', 'abilities', 'affected']...)
Dictionary(105 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(67 unique tokens: ['a', 'and', 'condition', 'cyclist', 'diel']...)
Dictionary(113 unique tokens: ['a', 'affected', 'all', 'also', 'and']...)
Dictionary(70 unique tokens: ['', 'affect', 'ahead', 'bike', 'building']...)
Dictionary(135 unique tokens: ['', 'a', 'affect', 'also', 'and']...)
Dictionary(104 unique tokens: ['', 'a', 'affected', 'and', 'arising']...)
Dictionary(118 unique tokens: ['a', 'about', 'advice', 'an', 'and']...)
Dictionary(117 unique tokens: ['a', 'affected', 'all', 'also', 'and']...)
Dictionary(71 unique tokens: ['aase', 'ablut', 'about', 'affects', 'also']...)
Dictionary(152 unique tokens: ['', 'a', 'able', 'about', 'all']...)
Dictionary(94 unique tokens: ['a', 'and', 'any', 'author', 'bike']...)
Dictionary(114 unique tokens: ['', 'a', 'about', 'acidwhen', 'affected']...)
Dictionary(71 unique tokens: ['a', 'affect', 'affects', 'aheaddo', 'being']...)
Dictionary(94 unique tokens: ['', 'a', 'affect', 'and', 'as']...)
Dictionary(94 unique tokens: ['a', 'affected', 'alot', 'another', 'because']...)
Dictionary(110 unique tokens: ['a', 'acid', 'affecting', 'affects', 'after']...)
Dictionary(81 unique tokens: ['', 'a', 'affects', 'and', 'biggest']...)
Dictionary(116 unique tokens: ['', 'a', 'abandoned', 'affect', 'also']...)
Dictionary(62 unique tokens: ['', 'and', 'as', 'california', 'cyclist']...)
Dictionary(71 unique tokens: ['a', 'about', 'affect', 'and', 'are']...)
Dictionary(121 unique tokens: ['', 'a', 'affect', 'affects', 'all']...)
Dictionary(101 unique tokens: ['', 'a', 'affect', 'an', 'and']...)
Dictionary(127 unique tokens: ['a', 'all', 'and', 'as', 'at']...)
Dictionary(86 unique tokens: ['', 'a', 'abandoned', 'about', 'ahead']...)
Dictionary(101 unique tokens: ['a', 'about', 'affects', 'all', 'also']...)
Dictionary(120 unique tokens: ['', 'a', 'about', 'acid', 'all']...)
Dictionary(110 unique tokens: ['all', 'and', 'as', 'attitude', 'because']...)
Dictionary(113 unique tokens: ['', 'about', 'affected', 'ahead', 'all']...)
Dictionary(123 unique tokens: ['', 'a', 'against', 'alone', 'and']...)
Dictionary(75 unique tokens: ['a', 'affect', 'affects', 'and', 'are']...)
Dictionary(93 unique tokens: ['', 'a', 'about', 'and', 'at']...)
Dictionary(143 unique tokens: ['', 'a', 'abandoned', 'affected', 'all']...)
Dictionary(131 unique tokens: ['a', 'able', 'all', 'and', 'area']...)
Dictionary(93 unique tokens: ['a', 'affected', 'affecting', 'affective', 'ahead']...)
Dictionary(95 unique tokens: ['', 'affect', 'affecting', 'and', 'at']...)
Dictionary(72 unique tokens: ['a', 'affected', 'author', 'because', 'by']...)
Dictionary(110 unique tokens: ['a', 'advice', 'all', 'and', 'birds']...)
Dictionary(72 unique tokens: ['a', 'affected', 'and', 'because', 'cyclist']...)
Dictionary(128 unique tokens: ['a', 'across', 'additionally', 'affect', 'again']...)
Dictionary(90 unique tokens: ['', 'affect', 'and', 'another', 'be']...)
Dictionary(76 unique tokens: ['a', 'affect', 'are', 'be', 'because']...)
Dictionary(118 unique tokens: ['a', 'about', 'affects', 'and', 'another']...)
Dictionary(101 unique tokens: ['a', 'affected', 'ahead', 'all', 'almost']...)
Dictionary(92 unique tokens: ['a', 'affect', 'affects', 'ahead', 'and']...)
Dictionary(111 unique tokens: ['a', 'achieving', 'affect', 'affects', 'and']...)
Dictionary(95 unique tokens: ['a', 'affects', 'again', 'ahead', 'also']...)
Dictionary(118 unique tokens: ['a', 'across', 'affected', 'an', 'and']...)
Dictionary(141 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(130 unique tokens: ['a', 'aciccted', 'add', 'affected', 'affects']...)
Dictionary(134 unique tokens: ['', 'a', 'affect', 'affected', 'and']...)
Dictionary(136 unique tokens: ['', 'a', 'after', 'all', 'also']...)
Dictionary(84 unique tokens: ['a', 'affected', 'also', 'and', 'beating']...)
Dictionary(75 unique tokens: ['', 'affect', 'affected', 'also', 'and']...)
Dictionary(104 unique tokens: ['a', 'ahead', 'and', 'any', 'are']...)
Dictionary(106 unique tokens: ['a', 'addition', 'and', 'blocking', 'but']...)
Dictionary(112 unique tokens: ['a', 'affects', 'against', 'ahead', 'all']...)
Dictionary(115 unique tokens: ['', 'a', 'also', 'and', 'are']...)
Dictionary(88 unique tokens: ['', 'a', 'affect', 'and', 'are']...)
```

```
Dictionary(57 unique tokens: ['ask', 'because', 'cyclist', 'directions', 'efect
s']...)
Dictionary(92 unique tokens: ['a', 'affected', 'also', 'around', 'at']...)
Dictionary(97 unique tokens: ['', 'a', 'act', 'affect', 'ahead']...)
Dictionary(164 unique tokens: ['', 'a', 'abanoned', 'about', 'affect']...)
Dictionary(135 unique tokens: ['', 'a', 'add', 'affects', 'alive']...)
Dictionary(109 unique tokens: ['a', 'affected', 'after', 'again', 'all']...)
Dictionary(96 unique tokens: ['a', 'adding', 'affected', 'also', 'and']...)
Dictionary(91 unique tokens: ['', 'a', 'affect', 'ahead', 'and']...)
Dictionary(132 unique tokens: ['affected', 'affects', 'all', 'almost', 'also']...)
Dictionary(78 unique tokens: ['a', 'alot', 'always', 'and', 'are']...)
Dictionary(92 unique tokens: ['a', 'ahead', 'also', 'and', 'any']...)
Dictionary(135 unique tokens: ['a', 'across', 'against', 'ahead', 'along']...)
Dictionary(61 unique tokens: ['affects', 'also', 'cause', 'cyclist', 'dihidratio
n']...)
Dictionary(72 unique tokens: ['', 'a', 'acidthats', 'affect', 'battery']...)
Dictionary(103 unique tokens: ['a', 'also', 'and', 'as', 'at']...)
Dictionary(134 unique tokens: ['', 'a', 'affected', 'ahead', 'alot']...)
Dictionary(113 unique tokens: ['a', 'able', 'an', 'and', 'another']...)
Dictionary(124 unique tokens: ['', 'a', 'accomplish', 'across', 'affected']...)
Dictionary(107 unique tokens: ['', 'a', 'affect', 'ahead', 'and']...)
Dictionary(71 unique tokens: ['a', 'affected', 'another', 'because', 'by']...)
Dictionary(82 unique tokens: ['a', 'affect', 'all', 'also', 'and']...)
Dictionary(92 unique tokens: ['', 'a', 'affected', 'ahead', 'along']...)
Dictionary(92 unique tokens: ['', 'a', 'affect', 'ahead', 'all']...)
Dictionary(143 unique tokens: ['', 'a', 'also', 'and', 'anywhere']...)
Dictionary(97 unique tokens: ['a', 'advice', 'all', 'and', 'become']...)
Dictionary(60 unique tokens: ['alot', 'are', 'cyclist', 'do', 'has']...)
Dictionary(150 unique tokens: ['a', 'affected', 'affects', 'all', 'an']...)
Dictionary(109 unique tokens: ['', 'affect', 'already', 'and', 'beating']...)
Dictionary(130 unique tokens: ['a', 'across', 'also', 'are', 'around']...)
Dictionary(114 unique tokens: ['', 'against', 'all', 'almost', 'already']...)
Dictionary(78 unique tokens: ['a', 'affected', 'affects', 'ahead', 'and']...)
Dictionary(95 unique tokens: ['a', 'affected', 'against', 'all', 'alot']...)
Dictionary(84 unique tokens: ['and', 'another', 'ba', 'bad', 'being']...)
Dictionary(64 unique tokens: ['a', 'across', 'affected', 'bike', 'but']...)
Dictionary(50 unique tokens: ['affect', 'condition', 'cyclist', 'do', 'example']...)
Dictionary(84 unique tokens: ['a', 'affect', 'all', 'and', 'because']...)
Dictionary(132 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'ahead']...)
Dictionary(137 unique tokens: ['', 'a', 'abandoned', 'abbanond', 'affect']...)
Dictionary(125 unique tokens: ['', 'a', 'after', 'ahead', 'along']...)
Dictionary(80 unique tokens: ['a', 'affect', 'almost', 'also', 'and']...)
Dictionary(153 unique tokens: ['a', 'abandoned', 'acid', 'affected', 'affects']...)
Dictionary(103 unique tokens: ['', 'a', 'all', 'and', 'areas']...)
Dictionary(84 unique tokens: ['a', 'ahead', 'an', 'and', 'are']...)
Dictionary(101 unique tokens: ['abandoned', 'about', 'affected', 'affects', 'ahea
d']...)
Dictionary(128 unique tokens: ['a', 'affect', 'affected', 'and', 'bad']...)
Dictionary(69 unique tokens: ['and', 'another', 'beat', 'beginning', 'bottles']...)
Dictionary(143 unique tokens: ['', 'a', 'abonded', 'after', 'ahead']...)
Dictionary(67 unique tokens: ['affects', 'and', 'beating', 'because', 'cyclist']...)
Dictionary(70 unique tokens: ['about', 'affect', 'and', 'cut', 'cyclist']...)
Dictionary(111 unique tokens: ['', 'a', 'affected', 'ahead', 'all']...)
Dictionary(141 unique tokens: ['', 'a', 'abandoned', 'acid', 'after']...)
Dictionary(69 unique tokens: ['a', 'about', 'and', 'bad', 'because']...)
Dictionary(78 unique tokens: ['a', 'anything', 'anywhere', 'back', 'be']...)
Dictionary(65 unique tokens: ['affected', 'by', 'can', 'coming', 'cyclist']...)
Dictionary(120 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'ahead']...)
Dictionary(93 unique tokens: ['a', 'about', 'air', 'also', 'and']...)
Dictionary(106 unique tokens: ['a', 'and', 'are', 'be', 'because']...)
```

```
Dictionary(92 unique tokens: ['', 'a', 'affect', 'an', 'and']...)
Dictionary(110 unique tokens: ['', 'a', 'after', 'ahead', 'an']...)
Dictionary(72 unique tokens: ['a', 'affect', 'affected', 'around', 'because']...)
Dictionary(83 unique tokens: ['a', 'and', 'as', 'author', 'be']...)
Dictionary(83 unique tokens: ['a', 'about', 'almost', 'an', 'and']...)
Dictionary(110 unique tokens: ['', 'a', 'affect', 'affected', 'affects']...)
Dictionary(69 unique tokens: ['about', 'affected', 'affecting', 'ahead', 'also']...)
Dictionary(103 unique tokens: ['a', 'affected', 'also', 'and', 'another']...)
Dictionary(120 unique tokens: ['', 'a', 'affected', 'all', 'always']...)
Dictionary(129 unique tokens: ['', 'a', 'abandoned', 'affected', 'alive']...)
Dictionary(89 unique tokens: ['', 'a', 'affected', 'again', 'also']...)
Dictionary(89 unique tokens: ['', 'affect', 'affected', 'another', 'are']...)
Dictionary(132 unique tokens: ['a', 'abandoned', 'about', 'acid', 'ad']...)
Dictionary(65 unique tokens: ['a', 'affect', 'and', 'crazy', 'cyclist']...)
Dictionary(115 unique tokens: ['adventure', 'affected', 'ahead', 'also', 'an']...)
Dictionary(93 unique tokens: ['a', 'affect', 'also', 'and', 'anything']...)
Dictionary(77 unique tokens: ['a', 'and', 'by', 'california', 'can']...)
Dictionary(140 unique tokens: ['', 'a', 'addition', 'affect', 'almost']...)
Dictionary(62 unique tokens: ['affect', 'and', 'as', 'augsosted', 'authour']...)
Dictionary(70 unique tokens: ['a', 'and', 'andhes', 'any', 'builing']...)
Dictionary(107 unique tokens: ['a', 'all', 'also', 'and', 'are']...)
Dictionary(106 unique tokens: ['a', 'all', 'an', 'and', 'areas']...)
Dictionary(58 unique tokens: ['', 'all', 'be', 'cycling', 'cyclist']...)
Dictionary(90 unique tokens: ['a', 'about', 'affect', 'and', 'any']...)
Dictionary(60 unique tokens: ['', 'a', 'advice', 'became', 'because']...)
Dictionary(117 unique tokens: ['a', 'about', 'accomplish', 'according', 'after']...)
Dictionary(116 unique tokens: ['', 'a', 'abandoned', 'affect', 'and']...)
Dictionary(63 unique tokens: ['a', 'affect', 'aid', 'can', 'condition']...)
Dictionary(125 unique tokens: ['a', 'ahead', 'all', 'also', 'always']...)
Dictionary(97 unique tokens: ['', 'add', 'affect', 'after', 'ahead']...)
Dictionary(78 unique tokens: ['a', 'again', 'an', 'and', 'be']...)
Dictionary(57 unique tokens: ['affect', 'and', 'because', 'condition', 'could']...)
Dictionary(118 unique tokens: ['', 'a', 'about', 'affected', 'allowed']...)
Dictionary(88 unique tokens: ['a', 'affects', 'all', 'alongside', 'and']...)
Dictionary(132 unique tokens: ['above', 'affect', 'after', 'ahead', 'all']...)
Dictionary(137 unique tokens: ['a', 'abandoned', 'after', 'all', 'and']...)
Dictionary(112 unique tokens: ['a', 'against', 'also', 'and', 'another']...)
Dictionary(79 unique tokens: ['a', 'abandoned', 'affect', 'also', 'and']...)
Dictionary(143 unique tokens: ['', 'a', 'affected', 'affects', 'after']...)
Dictionary(150 unique tokens: ['', 'a', 'about', 'affect', 'an']...)
Dictionary(81 unique tokens: ['', 'a', 'affect', 'and', 'area']...)
Dictionary(76 unique tokens: ['a', 'affect', 'affective', 'and', 'any']...)
Dictionary(132 unique tokens: ['', 'a', 'about', 'again', 'almost']...)
Dictionary(150 unique tokens: ['', 'a', 'about', 'abundant', 'aches']...)
Dictionary(76 unique tokens: ['able', 'almost', 'also', 'and', 'any']...)
Dictionary(71 unique tokens: ['a', 'all', 'almost', 'and', 'are']...)
Dictionary(58 unique tokens: ['affect', 'and', 'by', 'confidence', 'cyclist']...)
Dictionary(63 unique tokens: ['', 'all', 'also', 'and', 'author']...)
Dictionary(90 unique tokens: ['a', 'all', 'also', 'and', 'any']...)
Dictionary(84 unique tokens: ['a', 'affect', 'also', 'any', 'anyone']...)
Dictionary(85 unique tokens: ['', 'a', 'affect', 'affects', 'and']...)
Dictionary(128 unique tokens: ['', 'a', 'advice', 'affected', 'after']...)
Dictionary(138 unique tokens: ['', 'a', 'abandoned', 'able', 'about']...)
Dictionary(140 unique tokens: ['a', 'able', 'addition', 'affected', 'again']...)
Dictionary(99 unique tokens: ['a', 'affected', 'and', 'any', 'at']...)
Dictionary(63 unique tokens: ['a', 'affect', 'along', 'because', 'bumpy']...)
Dictionary(122 unique tokens: ['a', 'affect', 'ahead', 'and', 'anything']...)
Dictionary(160 unique tokens: ['', 'a', 'actually', 'advice', 'again']...)
Dictionary(66 unique tokens: ['', 'affected', 'also', 'and', 'caused']...)
Dictionary(124 unique tokens: ['', 'a', 'about', 'across', 'affected']...)
```

```
Dictionary(86 unique tokens: ['a', 'abanded', 'affect', 'and', 'baron']...)
Dictionary(108 unique tokens: ['a', 'about', 'amount', 'and', 'bad']...)
Dictionary(92 unique tokens: ['a', 'affects', 'all', 'also', 'and']...)
Dictionary(92 unique tokens: ['', 'a', 'affected', 'and', 'another']...)
Dictionary(60 unique tokens: ['', 'affected', 'amount', 'and', 'bad']...)
Dictionary(138 unique tokens: ['a', 'all', 'along', 'and', 'as']...)
Dictionary(60 unique tokens: ['affect', 'another', 'arent', 'cyclist', 'date']...)
Dictionary(91 unique tokens: ['a', 'advice', 'an', 'and', 'are']...)
Dictionary(108 unique tokens: ['a', 'affect', 'affected', 'an', 'and']...)
Dictionary(93 unique tokens: ['+', 'ages', 'all', 'are', 'around']...)
Dictionary(143 unique tokens: ['a', 'affect', 'affected', 'all', 'also']...)
Dictionary(143 unique tokens: ['', 'a', 'able', 'accept', 'add']...)
Dictionary(69 unique tokens: ['about', 'affected', 'and', 'because', 'been']...)
Dictionary(143 unique tokens: ['a', 'abandoned', 'acid', 'across', 'after']...)
Dictionary(111 unique tokens: ['', 'a', 'afew', 'affected', 'affets']...)
Dictionary(149 unique tokens: ['', 'a', 'advice', 'affect', 'almost']...)
Dictionary(117 unique tokens: ['a', 'affects', 'all', 'and', 'another']...)
Dictionary(83 unique tokens: ['a', 'affected', 'ahead', 'altered', 'balance']...)
Dictionary(85 unique tokens: ['about', 'affect', 'and', 'as', 'at']...)
Dictionary(80 unique tokens: ['acid', 'affect', 'another', 'arrived', 'as']...)
Dictionary(88 unique tokens: ['a', 'affect', 'and', 'another', 'be']...)
Dictionary(137 unique tokens: ['', 'a', 'abundance', 'accomplishing', 'all']...)
Dictionary(99 unique tokens: ['a', 'affect', 'ahead', 'all', 'also']...)
Dictionary(108 unique tokens: ['a', 'affect', 'almost', 'also', 'and']...)
Dictionary(70 unique tokens: ['', 'a', 'affected', 'also', 'and']...)
Dictionary(77 unique tokens: ['a', 'affected', 'also', 'and', 'carry']...)
Dictionary(92 unique tokens: ['a', 'acid', 'affected', 'and', 'another']...)
Dictionary(78 unique tokens: ['a', 'alot', 'and', 'big', 'but']...)
Dictionary(98 unique tokens: ['', 'a', 'affect', 'affects', 'all']...)
Dictionary(125 unique tokens: ['a', 'affect', 'after', 'agitated', 'amused']...)
Dictionary(145 unique tokens: ['', 'a', 'abandoned', 'about', 'affects']...)
Dictionary(90 unique tokens: ['', 'a', 'ability', 'affect', 'affected']...)
Dictionary(74 unique tokens: ['a', 'alone', 'and', 'believe', 'bicycle']...)
Dictionary(76 unique tokens: ['a', 'affected', 'all', 'also', 'and']...)
Dictionary(116 unique tokens: ['a', 'adds', 'affects', 'ahead', 'also']...)
Dictionary(74 unique tokens: ['', 'a', 'affect', 'and', 'are']...)
Dictionary(103 unique tokens: ['a', 'across', 'affect', 'and', 'another']...)
Dictionary(153 unique tokens: ['a', 'about', 'ahead', 'all', 'already']...)
Dictionary(66 unique tokens: ['a', 'also', 'and', 'around', 'because']...)
Dictionary(130 unique tokens: ['a', 'ability', 'about', 'affect', 'almost']...)
Dictionary(87 unique tokens: ['a', 'and', 'any', 'around', 'because']...)
Dictionary(104 unique tokens: ['a', 'about', 'across', 'advice', 'affect']...)
Dictionary(132 unique tokens: ['a', 'affect', 'affected', 'and', 'another']...)
Dictionary(74 unique tokens: ['a', 'affect', 'and', 'are', 'because']...)
Dictionary(84 unique tokens: ['a', 'affect', 'and', 'ask', 'at']...)
Dictionary(114 unique tokens: ['', 'a', 'affects', 'after', 'all']...)
Dictionary(135 unique tokens: ['', 'a', 'affected', 'affecting', 'affects']...)
Dictionary(82 unique tokens: ['', 'a', 'about', 'affect', 'also']...)
Dictionary(96 unique tokens: ['', 'a', 'and', 'any', 'around']...)
Dictionary(77 unique tokens: ['', 'a', 'ahead', 'and', 'balance']...)
Dictionary(81 unique tokens: ['', 'a', 'affect', 'any', 'battery']...)
Dictionary(82 unique tokens: ['affects', 'also', 'and', 'are', 'beautiful']...)
Dictionary(80 unique tokens: ['a', 'afect', 'affects', 'also', 'as']...)
Dictionary(59 unique tokens: ['a', 'affect', 'also', 'and', 'big']...)
Dictionary(79 unique tokens: ['a', 'and', 'as', 'began', 'blackish']...)
Dictionary(65 unique tokens: ['', 'and', 'cycling', 'cyclist', 'dehydrated']...)
Dictionary(128 unique tokens: ['', 'a', 'acid', 'after', 'ahead']...)
Dictionary(96 unique tokens: ['a', 'affect', 'affected', 'almost', 'also']...)
Dictionary(100 unique tokens: ['affect', 'affects', 'also', 'and', 'any']...)
Dictionary(119 unique tokens: ['', 'a', 'abandoned', 'all', 'almost']...)
```

```
Dictionary(138 unique tokens: ['', 'a', 'able', 'all', 'alos']...)
Dictionary(54 unique tokens: ['affect', 'and', 'cyclist', 'exaustion', 'feature
s']...)
Dictionary(115 unique tokens: ['a', 'advice', 'after', 'again', 'ago']...)
Dictionary(98 unique tokens: ['', 'a', 'across', 'affects', 'ahead']...)
Dictionary(127 unique tokens: ['accepts', 'addsand', 'affected', 'against', 'al
l']...)
Dictionary(132 unique tokens: ['', 'a', 'abandoned', 'affect', 'affected']...)
Dictionary(100 unique tokens: ['', 'acid', 'all', 'and', 'battery']...)
Dictionary(140 unique tokens: ['', 'a', 'affected', 'ahead', 'also']...)
Dictionary(89 unique tokens: ['a', 'abandoned', 'able', 'achieve', 'achievement']...)
Dictionary(125 unique tokens: ['', 'a', 'about', 'advice', 'affect']...)
Dictionary(103 unique tokens: ['', 'affected', 'all', 'also', 'and']...)
Dictionary(76 unique tokens: ['a', 'affect', 'by', 'cyclist', 'destination']...)
Dictionary(119 unique tokens: ['a', 'about', 'affects', 'also', 'although']...)
Dictionary(96 unique tokens: ['a', 'abandoned', 'affecting', 'an', 'and']...)
Dictionary(99 unique tokens: ['a', 'affect', 'again', 'alot', 'and']...)
Dictionary(96 unique tokens: ['a', 'acid', 'across', 'affect', 'affects']...)
Dictionary(83 unique tokens: ['a', 'affect', 'affecting', 'also', 'bad']...)
Dictionary(101 unique tokens: ['', 'a', 'about', 'along', 'also']...)
Dictionary(125 unique tokens: ['a', 'abandoned', 'affected', 'along', 'an']...)
Dictionary(107 unique tokens: ['a', 'affected', 'also', 'and', 'another']...)
Dictionary(112 unique tokens: ['', 'a', 'about', 'adventure', 'all']...)
Dictionary(114 unique tokens: ['a', 'about', 'affect', 'affects', 'after']...)
Dictionary(140 unique tokens: ['', 'a', 'abandonment', 'again', 'also']...)
Dictionary(76 unique tokens: ['affect', 'almost', 'and', 'bad', 'bait']...)
Dictionary(100 unique tokens: ['', 'abandoned', 'affect', 'affected', 'all']...)
Dictionary(72 unique tokens: ['a', 'and', 'are', 'because', 'bike']...)
Dictionary(62 unique tokens: ['a', 'affected', 'also', 'because', 'biking']...)
Dictionary(70 unique tokens: ['about', 'affect', 'affects', 'and', 'by']...)
Dictionary(61 unique tokens: ['a', 'affected', 'all', 'and', 'around']...)
Dictionary(121 unique tokens: ['a', 'abadond', 'abandoned', 'about', 'ahead']...)
Dictionary(104 unique tokens: ['', 'affect', 'affected', 'all', 'and']...)
Dictionary(99 unique tokens: ['', 'a', 'able', 'affect', 'also']...)
Dictionary(137 unique tokens: ['a', 'an', 'and', 'another', 'any']...)
Dictionary(124 unique tokens: ['a', 'almost', 'and', 'are', 'at']...)
Dictionary(89 unique tokens: ['', 'a', 'affect', 'also', 'and']...)
Dictionary(160 unique tokens: ['a', 'about', 'affect', 'affected', 'ahead']...)
Dictionary(88 unique tokens: ['a', 'affect', 'and', 'another', 'around']...)
Dictionary(77 unique tokens: ['a', 'alot', 'be', 'bike', 'bikes']...)
Dictionary(81 unique tokens: ['a', 'affects', 'and', 'around', 'because']...)
Dictionary(64 unique tokens: ['a', 'adjust', 'affect', 'bad', 'be']...)
Dictionary(145 unique tokens: ['', 'a', 'abundanded', 'all', 'and']...)
Dictionary(92 unique tokens: ['a', 'and', 'are', 'awile', 'bad']...)
Dictionary(75 unique tokens: ['a', 'also', 'and', 'another', 'because']...)
Dictionary(124 unique tokens: ['a', 'abait', 'abandoned', 'affect', 'an']...)
Dictionary(80 unique tokens: ['a', 'affected', 'affection', 'and', 'another']...)
Dictionary(100 unique tokens: ['a', 'across', 'affect', 'all', 'and']...)
Dictionary(160 unique tokens: ['a', 'abandoned', 'about', 'afterward', 'ahead']...)
Dictionary(135 unique tokens: ['', 'a', 'about', 'activity', 'affect']...)
Dictionary(137 unique tokens: ['a', 'across', 'ahead', 'almost', 'an']...)
Dictionary(90 unique tokens: ['affected', 'affects', 'all', 'and', 'are']...)
Dictionary(138 unique tokens: ['a', 'after', 'alone', 'an', 'and']...)
Dictionary(65 unique tokens: ['affect', 'all', 'and', 'because', 'cooled']...)
Dictionary(108 unique tokens: ['a', 'all', 'also', 'and', 'are']...)
Dictionary(129 unique tokens: ['a', 'about', 'affect', 'affected', 'after']...)
Dictionary(97 unique tokens: ['abandoned', 'affect', 'all', 'an', 'and']...)
Dictionary(130 unique tokens: ['', 'a', 'again', 'also', 'an']...)
Dictionary(130 unique tokens: ['a', 'about', 'add', 'affect', 'affects']...)
Dictionary(117 unique tokens: ['a', 'affect', 'and', 'as', 'because']...)
```

```
Dictionary(118 unique tokens: ['a', 'affecting', 'affects', 'also', 'and']...)
Dictionary(91 unique tokens: ['acts', 'affected', 'all', 'alone', 'also']...)
Dictionary(72 unique tokens: ['a', 'acid', 'and', 'battery', 'by']...)
Dictionary(130 unique tokens: ['a', 'affect', 'all', 'almost', 'also']...)
Dictionary(81 unique tokens: ['about', 'affect', 'affected', 'all', 'almost']...)
Dictionary(53 unique tokens: ['for', 'get', 'he', 'race', 'river']...)
Dictionary(92 unique tokens: ['a', 'affect', 'and', 'any', 'as']...)
Dictionary(161 unique tokens: ['', 'a', 'abandoned', 'able', 'about']...)
Dictionary(94 unique tokens: ['a', 'above', 'affect', 'affects', 'ahead']...)
Dictionary(96 unique tokens: ['', 'a', 'affect', 'all', 'also']...)
Dictionary(79 unique tokens: ['across', 'affects', 'and', 'animals', 'another']...)
Dictionary(96 unique tokens: ['a', 'abandond', 'add', 'adds', 'affect']...)
Dictionary(83 unique tokens: ['afaid', 'alot', 'also', 'and', 'because']...)
Dictionary(85 unique tokens: ['a', 'affect', 'area', 'areas', 'arrived']...)
Dictionary(61 unique tokens: ['because', 'but', 'did', 'either', 'explains']...)
Dictionary(94 unique tokens: ['', 'a', 'about', 'affects', 'ahead']...)
Dictionary(95 unique tokens: ['a', 'affect', 'also', 'amount', 'and']...)
Dictionary(120 unique tokens: ['', 'a', 'about', 'affect', 'all']...)
Dictionary(86 unique tokens: ['affect', 'also', 'an', 'are', 'beating']...)
Dictionary(164 unique tokens: ['a', 'acne', 'affect', 'affected', 'affecton']...)
Dictionary(82 unique tokens: ['a', 'ammount', 'and', 'arrived', 'bottles']...)
Dictionary(160 unique tokens: ['a', 'across', 'acted', 'affect', 'affected']...)
Dictionary(60 unique tokens: ['affect', 'can', 'cold', 'cyclist', 'does']...)
Dictionary(109 unique tokens: ['a', 'affect', 'affects', 'all', 'also']...)
Dictionary(73 unique tokens: ['a', 'affect', 'also', 'and', 'attention']...)
Dictionary(84 unique tokens: ['', 'a', 'affect', 'and', 'are']...)
Dictionary(102 unique tokens: ['', 'a', 'affected', 'after', 'ahead']...)
Dictionary(66 unique tokens: ['', 'affected', 'all', 'and', 'because']...)
Dictionary(152 unique tokens: ['a', 'about', 'acid', 'ahead', 'all']...)
Dictionary(135 unique tokens: ['', 'a', 'also', 'and', 'another']...)
Dictionary(152 unique tokens: ['a', 'able', 'across', 'advice', 'affects']...)
Dictionary(78 unique tokens: ['a', 'also', 'and', 'animals', 'be']...)
Dictionary(68 unique tokens: ['a', 'about', 'affect', 'and', 'as']...)
Dictionary(60 unique tokens: ['', 'also', 'cyclist', 'dehydrated', 'desert']...)
Dictionary(116 unique tokens: ['', 'a', 'affected', 'all', 'an']...)
Dictionary(106 unique tokens: ['', 'a', 'affect', 'also', 'and']...)
Dictionary(80 unique tokens: ['a', 'affects', 'also', 'anyhills', 'been']...)
Dictionary(95 unique tokens: ['', 'a', 'acid', 'and', 'authors']...)
Dictionary(86 unique tokens: ['a', 'affected', 'and', 'anywhere', 'author']...)
Dictionary(84 unique tokens: ['affected', 'already', 'and', 'be', 'because']...)
Dictionary(106 unique tokens: ['', 'a', 'acid', 'and', 'anything']...)
Dictionary(78 unique tokens: ['affect', 'affected', 'affects', 'all', 'and']...)
Dictionary(76 unique tokens: ['a', 'affect', 'all', 'alot', 'another']...)
Dictionary(127 unique tokens: ['', 'a', 'ability', 'acid', 'alive']...)
Dictionary(116 unique tokens: ['after', 'also', 'and', 'any', 'are']...)
Dictionary(109 unique tokens: ['', 'a', 'affected', 'ahead', 'and']...)
Dictionary(71 unique tokens: ['', 'affected', 'all', 'cyclist', 'desperation']...)
Dictionary(88 unique tokens: ['', 'a', 'across', 'add', 'affect']...)
Dictionary(79 unique tokens: ['', 'a', 'affect', 'alot', 'and']...)
Dictionary(89 unique tokens: ['a', 'about', 'accept', 'advice', 'affect']...)
Dictionary(85 unique tokens: ['', 'according', 'act', 'affect', 'affects']...)
Dictionary(83 unique tokens: ['alone', 'an', 'and', 'because', 'beginning']...)
Dictionary(133 unique tokens: ['', 'a', 'about', 'actually', 'affect']...)
Dictionary(83 unique tokens: ['all', 'an', 'and', 'any', 'as']...)
Dictionary(118 unique tokens: ['', 'a', 'affect', 'all', 'also']...)
Dictionary(123 unique tokens: ['', 'a', 'abandoned', 'all', 'amused']...)
Dictionary(127 unique tokens: ['a', 'abandured', 'acid', 'affects', 'ahead']...)
Dictionary(113 unique tokens: ['a', 'able', 'about', 'and', 'around']...)
Dictionary(103 unique tokens: ['', 'affected', 'all', 'along', 'and']...)
Dictionary(103 unique tokens: ['', 'a', 'affected', 'affects', 'and']...)
```

```
Dictionary(53 unique tokens: ['', 'all', 'be', 'can', 'it']...)
Dictionary(91 unique tokens: ['', 'a', 'affect', 'ahead', 'all']...)
Dictionary(71 unique tokens: ['abandoned', 'affect', 'an', 'and', 'another']...)
Dictionary(88 unique tokens: ['', 'a', 'about', 'and', 'better']...)
Dictionary(95 unique tokens: ['able', 'acid', 'affect', 'also', 'and']...)
Dictionary(59 unique tokens: ['afected', 'affected', 'becaus', 'by', 'caps']...)
Dictionary(151 unique tokens: ['', 'a', 'affected', 'affects', 'after']...)
Dictionary(68 unique tokens: ['affect', 'affected', 'alot', 'also', 'are']...)
Dictionary(110 unique tokens: ['affect', 'after', 'also', 'and', 'any']...)
Dictionary(85 unique tokens: ['affect', 'affected', 'and', 'bad', 'being']...)
Dictionary(87 unique tokens: ['a', 'alot', 'also', 'and', 'big']...)
Dictionary(123 unique tokens: ['a', 'affect', 'affected', 'affects', 'all']...)
Dictionary(80 unique tokens: ['a', 'and', 'badly', 'bit', 'caused']...)
Dictionary(78 unique tokens: ['', 'a', 'advise', 'affect', 'all']...)
Dictionary(105 unique tokens: ['', 'a', 'affected', 'also', 'and']...)
Dictionary(79 unique tokens: ['', 'a', 'about', 'all', 'and']...)
Dictionary(78 unique tokens: ['', 'affect', 'affected', 'and', 'are']...)
Dictionary(107 unique tokens: ['a', 'ahead', 'all', 'along', 'also']...)
Dictionary(87 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'all']...)
Dictionary(89 unique tokens: ['', 'a', 'all', 'also', 'any']...)
Dictionary(88 unique tokens: ['', 'about', 'afected', 'also', 'and']...)
Dictionary(96 unique tokens: ['a', 'affect', 'affected', 'ahead', 'almost']...)
Dictionary(83 unique tokens: ['a', 'affects', 'all', 'and', 'because']...)
Dictionary(147 unique tokens: ['a', 'ability', 'across', 'affect', 'affected']...)
Dictionary(69 unique tokens: ['a', 'affect', 'affects', 'almost', 'ammount']...)
Dictionary(142 unique tokens: ['a', 'affected', 'all', 'and', 'as']...)
Dictionary(76 unique tokens: ['a', 'break', 'bumpy', 'bust', 'cars']...)
Dictionary(128 unique tokens: ['a', 'advice', 'along', 'and', 'around']...)
Dictionary(97 unique tokens: ['a', 'affected', 'and', 'any', 'arent']...)
Dictionary(137 unique tokens: ['a', 'able', 'all', 'also', 'and']...)
Dictionary(63 unique tokens: ['a', 'all', 'at', 'crazy', 'didnt']...)
Dictionary(131 unique tokens: ['a', 'across', 'affect', 'all', 'also']...)
Dictionary(66 unique tokens: ['about', 'affected', 'all', 'and', 'as']...)
Dictionary(64 unique tokens: ['ago', 'and', 'became', 'colors', 'covered']...)
Dictionary(144 unique tokens: ['a', 'acid', 'affected', 'affirm', 'again']...)
Dictionary(131 unique tokens: ['a', 'abandon', 'affected', 'affection', 'ahead']...)
Dictionary(160 unique tokens: ['a', 'accomplish', 'affected', 'affects', 'also']...)
Dictionary(87 unique tokens: ['a', 'affected', 'ahead', 'also', 'area']...)
Dictionary(126 unique tokens: ['a', 'able', 'according', 'acid', 'also']...)
Dictionary(82 unique tokens: ['a', 'able', 'affect', 'always', 'and']...)
Dictionary(96 unique tokens: ['a', 'affected', 'after', 'all', 'almost']...)
Dictionary(67 unique tokens: ['affects', 'and', 'angry', 'been', 'but']...)
Dictionary(135 unique tokens: ['', 'a', 'advice', 'affect', 'affects']...)
Dictionary(97 unique tokens: ['', 'a', 'affected', 'also', 'and']...)
Dictionary(99 unique tokens: ['', 'a', 'affect', 'affected', 'along']...)
Dictionary(80 unique tokens: ['a', 'and', 'another', 'are', 'around']...)
Dictionary(85 unique tokens: ['', 'a', 'about', 'as', 'author']...)
Dictionary(88 unique tokens: ['a', 'affect', 'areas', 'because', 'become']...)
Dictionary(88 unique tokens: ['', 'a', 'adventure', 'affected', 'ahead']...)
Dictionary(75 unique tokens: ['affect', 'affected', 'all', 'an', 'and']...)
Dictionary(71 unique tokens: ['a', 'affects', 'and', 'any', 'are']...)
Dictionary(82 unique tokens: ['a', 'advice', 'affect', 'after', 'all']...)
Dictionary(87 unique tokens: ['a', 'an', 'around', 'as', 'ask']...)
Dictionary(99 unique tokens: ['', 'a', 'affected', 'against', 'all']...)
Dictionary(77 unique tokens: ['a', 'affected', 'ahead', 'and', 'by']...)
Dictionary(101 unique tokens: ['a', 'affected', 'also', 'and', 'as']...)
Dictionary(122 unique tokens: ['', 'a', 'about', 'accordance', 'advice']...)
Dictionary(68 unique tokens: ['a', 'affects', 'alot', 'also', 'and']...)
Dictionary(136 unique tokens: ['a', 'ability', 'adds', 'affect', 'affects']...)
Dictionary(101 unique tokens: ['', 'a', 'ahead', 'and', 'any']...)
```

```
Dictionary(73 unique tokens: ['', 'a', 'ahead', 'and', 'because']...)
Dictionary(82 unique tokens: ['a', 'about', 'acidthen', 'affect', 'affected']...)
Dictionary(94 unique tokens: ['a', 'affected', 'also', 'and', 'as']...)
Dictionary(128 unique tokens: ['a', 'abandoned', 'about', 'affect', 'air']...)
Dictionary(85 unique tokens: ['a', 'affected', 'and', 'because', 'bottles']...)
Dictionary(68 unique tokens: ['a', 'affect', 'affected', 'and', 'bicicle']...)
Dictionary(84 unique tokens: ['able', 'about', 'affects', 'also', 'are']...)
Dictionary(162 unique tokens: ['', 'a', 'able', 'across', 'affects']...)
Dictionary(77 unique tokens: ['a', 'affected', 'also', 'and', 'bad']...)
Dictionary(76 unique tokens: ['a', 'affect', 'affected', 'and', 'bad']...)
Dictionary(128 unique tokens: ['', 'a', 'after', 'an', 'and']...)
Dictionary(122 unique tokens: ['', 'a', 'affected', 'also', 'and']...)
Dictionary(86 unique tokens: ['a', 'abanded', 'able', 'about', 'affect']...)
Dictionary(90 unique tokens: ['a', 'affect', 'at', 'be', 'because']...)
Dictionary(84 unique tokens: ['add', 'affect', 'all', 'also', 'and']...)
Dictionary(83 unique tokens: ['also', 'and', 'at', 'because', 'cyclist']...)
Dictionary(82 unique tokens: ['a', 'and', 'any', 'around', 'at']...)
Dictionary(75 unique tokens: ['a', 'affected', 'and', 'be', 'bike']...)
Dictionary(88 unique tokens: ['a', 'affect', 'all', 'also', 'and']...)
Dictionary(85 unique tokens: ['a', 'afeted', 'affecting', 'all', 'almost']...)
Dictionary(111 unique tokens: ['', 'a', 'an', 'and', 'as']...)
Dictionary(177 unique tokens: ['a', 'abandoned', 'about', 'acid', 'afraid']...)
Dictionary(65 unique tokens: ['accepting', 'advice', 'affect', 'by', 'caps']...)
Dictionary(118 unique tokens: ['a', 'affect', 'affects', 'againg', 'alot']...)
Dictionary(96 unique tokens: ['a', 'all', 'and', 'are', 'as']...)
Dictionary(78 unique tokens: ['', 'a', 'ahead', 'alike', 'already']...)
Dictionary(142 unique tokens: ['', 'a', 'acid', 'ahead', 'alot']...)
Dictionary(117 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(71 unique tokens: ['a', 'affect', 'and', 'bitten', 'by']...)
Dictionary(87 unique tokens: ['', 'a', 'able', 'affect', 'also']...)
Dictionary(61 unique tokens: ['affect', 'afraid', 'and', 'becase', 'because']...)
Dictionary(69 unique tokens: ['a', 'and', 'are', 'but', 'california']...)
Dictionary(109 unique tokens: ['', 'a', 'affect', 'affects', 'and']...)
Dictionary(108 unique tokens: ['a', 'across', 'act', 'action', 'actions']...)
Dictionary(123 unique tokens: ['', 'a', 'abandon', 'about', 'adventure']...)
Dictionary(91 unique tokens: ['', 'a', 'adds', 'affect', 'all']...)
Dictionary(70 unique tokens: ['', 'acid', 'battery', 'by', 'cyclist']...)
Dictionary(78 unique tokens: ['a', 'about', 'advice', 'affected', 'and']...)
Dictionary(72 unique tokens: ['a', 'abandoned', 'any', 'arent', 'but']...)
Dictionary(69 unique tokens: ['affect', 'affected', 'also', 'and', 'because']...)
Dictionary(129 unique tokens: ['', 'a', 'abandoned', 'additionally', 'affect']...)
Dictionary(63 unique tokens: ['affected', 'all', 'and', 'because', 'cyclist']...)
Dictionary(109 unique tokens: ['', 'a', 'affected', 'affects', 'also']...)
Dictionary(80 unique tokens: ['a', 'advice', 'age', 'ahead', 'all']...)
Dictionary(118 unique tokens: ['a', 'about', 'affect', 'ahead', 'all']...)
Dictionary(107 unique tokens: ['a', 'affect', 'affected', 'ahead', 'all']...)
Dictionary(81 unique tokens: ['a', 'affect', 'almost', 'an', 'and']...)
Dictionary(82 unique tokens: ['a', 'affect', 'and', 'are', 'be']...)
Dictionary(99 unique tokens: ['', 'a', 'and', 'another', 'any']...)
Dictionary(86 unique tokens: ['', 'a', 'all', 'and', 'as']...)
Dictionary(88 unique tokens: ['a', 'affect', 'also', 'and', 'are']...)
Dictionary(79 unique tokens: ['accept', 'advice', 'affect', 'after', 'are']...)
Dictionary(141 unique tokens: ['a', 'able', 'accepts', 'affects', 'ahead']...)
Dictionary(84 unique tokens: ['', 'advice', 'affectd', 'affected', 'also']...)
Dictionary(122 unique tokens: ['a', 'affect', 'affected', 'all', 'and']...)
Dictionary(156 unique tokens: ['', 'a', 'about', 'actually', 'advice']...)
Dictionary(127 unique tokens: ['a', 'about', 'after', 'and', 'be']...)
Dictionary(112 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(106 unique tokens: ['', 'a', 'affect', 'ahead', 'all']...)
Dictionary(81 unique tokens: ['about', 'affected', 'and', 'become', 'being']...)
```

```
Dictionary(97 unique tokens: ['a', 'along', 'also', 'an', 'and']...)
Dictionary(101 unique tokens: ['', 'a', 'affect', 'affected', 'affecting']...)
Dictionary(124 unique tokens: ['a', 'advertising', 'affect', 'affected', 'all']...)
Dictionary(112 unique tokens: ['across', 'adventure', 'advertised', 'affected', 'an
d']...)
Dictionary(74 unique tokens: ['a', 'arent', 'be', 'cyclist', 'desert']...)
Dictionary(125 unique tokens: ['a', 'affects', 'almost', 'also', 'and']...)
Dictionary(95 unique tokens: ['a', 'about', 'affect', 'affects', 'also']...)
Dictionary(75 unique tokens: ['', 'a', 'affect', 'all', 'also']...)
Dictionary(94 unique tokens: ['a', 'almost', 'an', 'are', 'balance']...)
Dictionary(114 unique tokens: ['a', 'affect', 'affected', 'and', 'another']...)
Dictionary(126 unique tokens: ['a', 'advise', 'after', 'ahead', 'an']...)
Dictionary(79 unique tokens: ['', 'a', 'affect', 'already', 'always']...)
Dictionary(118 unique tokens: ['a', 'able', 'acid', 'affected', 'also']...)
Dictionary(94 unique tokens: ['affected', 'again', 'and', 'another', 'asking']...)
Dictionary(119 unique tokens: ['a', 'additional', 'affect', 'an', 'and']...)
Dictionary(67 unique tokens: ['a', 'and', 'be', 'bicycle', 'cant']...)
Dictionary(113 unique tokens: ['', 'a', 'after', 'again', 'an']...)
Dictionary(90 unique tokens: ['a', 'across', 'affect', 'ahead', 'all']...)
Dictionary(64 unique tokens: ['able', 'affect', 'and', 'be', 'between']...)
Dictionary(89 unique tokens: ['a', 'abandoned', 'about', 'affect', 'also']...)
Dictionary(80 unique tokens: ['a', 'affected', 'and', 'began', 'california']...)
Dictionary(105 unique tokens: ['a', 'across', 'along', 'and', 'apon']...)
Dictionary(116 unique tokens: ['', 'a', 'above', 'affect', 'agasint']...)
Dictionary(88 unique tokens: ['a', 'affect', 'ahead', 'also', 'always']...)
Dictionary(77 unique tokens: ['a', 'affected', 'and', 'another', 'are']...)
Dictionary(83 unique tokens: ['', 'a', 'acid', 'affected', 'and']...)
Dictionary(113 unique tokens: ['', 'a', 'affect', 'affected', 'an']...)
Dictionary(135 unique tokens: ['', 'a', 'affect', 'along', 'an']...)
Dictionary(59 unique tokens: ['affected', 'and', 'are', 'back', 'because']...)
Dictionary(116 unique tokens: ['', 'a', 'accepting', 'acid', 'add']...)
Dictionary(119 unique tokens: ['', 'a', 'and', 'apon', 'ask']...)
Dictionary(110 unique tokens: ['a', 'abandoned', 'about', 'affect', 'also']...)
Dictionary(81 unique tokens: ['about', 'affect', 'all', 'although', 'and']...)
Dictionary(76 unique tokens: ['affected', 'and', 'around', 'beating', 'bottle']...)
Dictionary(70 unique tokens: ['', 'a', 'an', 'as', 'because']...)
Dictionary(68 unique tokens: ['abandoned', 'affect', 'affects', 'and', 'are']...)
Dictionary(87 unique tokens: ['', 'a', 'achieves', 'almost', 'alot']...)
Dictionary(85 unique tokens: ['a', 'after', 'ahead', 'all', 'and']...)
Dictionary(85 unique tokens: ['a', 'also', 'author', 'been', 'believe']...)
Dictionary(87 unique tokens: ['', 'affect', 'and', 'anything', 'appointment']...)
Dictionary(67 unique tokens: ['a', 'accept', 'affect', 'alone', 'and']...)
Dictionary(72 unique tokens: ['a', 'amount', 'because', 'being', 'bitting']...)
Dictionary(56 unique tokens: ['a', 'affect', 'cyclist', 'due', 'features']...)
Dictionary(76 unique tokens: ['across', 'also', 'an', 'and', 'are']...)
Dictionary(67 unique tokens: ['brought', 'falt', 'getting', 'have', 'he']...)
Dictionary(94 unique tokens: ['', 'affected', 'ahead', 'all', 'an']...)
Dictionary(65 unique tokens: ['about', 'air', 'alot', 'basically', 'be']...)
Dictionary(95 unique tokens: ['affect', 'alive', 'all', 'also', 'and']...)
Dictionary(80 unique tokens: ['', 'affect', 'all', 'also', 'animals']...)
Dictionary(129 unique tokens: ['a', 'acid', 'all', 'an', 'and']...)
Dictionary(82 unique tokens: ['a', 'about', 'acually', 'affects', 'alittle']...)
Dictionary(86 unique tokens: ['', 'a', 'affecting', 'allowing', 'also']...)
Dictionary(73 unique tokens: ['about', 'advice', 'affect', 'affected', 'and']...)
Dictionary(127 unique tokens: ['', 'a', 'advice', 'again', 'all']...)
Dictionary(104 unique tokens: ['a', 'about', 'advice', 'along', 'also']...)
Dictionary(92 unique tokens: ['', 'a', 'alot', 'also', 'and']...)
Dictionary(83 unique tokens: ['', 'a', 'affect', 'affected', 'and']...)
Dictionary(115 unique tokens: ['a', 'affected', 'ahead', 'analyzing', 'and']...)
Dictionary(67 unique tokens: ['', 'a', 'affected', 'and', 'as']...)
```

```
Dictionary(85 unique tokens: ['a', 'after', 'and', 'at', 'became']...)
Dictionary(68 unique tokens: ['', 'about', 'ahead', 'always', 'and']...)
Dictionary(103 unique tokens: ['a', 'affected', 'affects', 'after', 'and']...)
Dictionary(91 unique tokens: ['', 'a', 'about', 'aditude', 'and']...)
Dictionary(129 unique tokens: ['', 'a', 'added', 'affect', 'ahead']...)
Dictionary(77 unique tokens: ['a', 'affects', 'and', 'are', 'cyclist']...)
Dictionary(78 unique tokens: ['a', 'abandoned', 'afected', 'affect', 'affected']...)
Dictionary(125 unique tokens: ['', 'a', 'acid', 'across', 'adds']...)
Dictionary(123 unique tokens: ['a', 'abandoned', 'affect', 'all', 'an']...)
Dictionary(94 unique tokens: ['actual', 'affected', 'also', 'an', 'and']...)
Dictionary(91 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(78 unique tokens: ['a', 'affect', 'an', 'and', 'being']...)
Dictionary(84 unique tokens: ['a', 'all', 'also', 'as', 'bad']...)
Dictionary(96 unique tokens: ['', 'a', 'advise', 'all', 'and']...)
Dictionary(110 unique tokens: ['', 'a', 'affect', 'affected', 'after']...)
Dictionary(80 unique tokens: ['', 'affected', 'and', 'balance', 'become']...)
Dictionary(133 unique tokens: ['', 'a', 'affect', 'affected', 'affecting']...)
Dictionary(140 unique tokens: ['a', 'about', 'adding', 'after', 'ahead']...)
Dictionary(75 unique tokens: ['', 'all', 'and', 'because', 'can']...)
Dictionary(113 unique tokens: ['a', 'affect', 'also', 'an', 'and']...)
Dictionary(58 unique tokens: ['affect', 'an', 'are', 'cyclist', 'features']...)
Dictionary(92 unique tokens: ['', 'a', 'able', 'also', 'american']...)
Dictionary(125 unique tokens: ['', 'a', 'able', 'acid', 'affect']...)
Dictionary(106 unique tokens: ['', 'a', 'affected', 'almost', 'and']...)
Dictionary(100 unique tokens: ['', 'a', 'affect', 'all', 'and']...)
Dictionary(110 unique tokens: ['a', 'affect', 'ahead', 'almost', 'also']...)
Dictionary(136 unique tokens: ['a', 'about', 'accurate', 'advice', 'affected']...)
Dictionary(80 unique tokens: ['affects', 'air', 'and', 'as', 'boundarys']...)
Dictionary(123 unique tokens: ['', 'a', 'affect', 'affected', 'all']...)
Dictionary(97 unique tokens: ['a', 'all', 'are', 'been', 'burning']...)
Dictionary(89 unique tokens: ['a', 'across', 'affect', 'affects', 'and']...)
Dictionary(153 unique tokens: ['', 'a', 'abandoned', 'about', 'after']...)
Dictionary(130 unique tokens: ['', 'a', 'affect', 'affected', 'affecting']...)
Dictionary(110 unique tokens: ['a', 'acid', 'affected', 'also', 'and']...)
Dictionary(92 unique tokens: ['affects', 'all', 'also', 'and', 'any']...)
Dictionary(95 unique tokens: ['a', 'also', 'an', 'and', 'asks']...)
Dictionary(88 unique tokens: ['', 'a', 'affected', 'affects', 'ahead']...)
Dictionary(105 unique tokens: ['a', 'also', 'altogether', 'and', 'are']...)
Dictionary(81 unique tokens: ['a', 'able', 'are', 'back', 'be']...)
Dictionary(76 unique tokens: ['aid', 'alot', 'also', 'and', 'any']...)
Dictionary(92 unique tokens: ['ahead', 'an', 'and', 'aqusting', 'as']...)
Dictionary(58 unique tokens: ['advice', 'affect', 'area', 'around', 'by']...)
Dictionary(66 unique tokens: ['affected', 'by', 'cyclist', 'do', 'exceed']...)
Dictionary(122 unique tokens: ['', 'a', 'abait', 'affect', 'affected']...)
Dictionary(63 unique tokens: ['', 'affect', 'are', 'arent', 'be']...)
Dictionary(75 unique tokens: ['a', 'about', 'affect', 'are', 'because']...)
Dictionary(100 unique tokens: ['a', 'affects', 'and', 'bivas', 'by']...)
Dictionary(111 unique tokens: ['a', 'about', 'advise', 'affect', 'along']...)
Dictionary(126 unique tokens: ['a', 'able', 'advice', 'affected', 'ahead']...)
Dictionary(116 unique tokens: ['', 'a', 'actually', 'although', 'an']...)
Dictionary(125 unique tokens: ['', 'a', 'about', 'after', 'an']...)
Dictionary(135 unique tokens: ['a', 'affect', 'although', 'and', 'another']...)
Dictionary(109 unique tokens: ['', 'affected', 'along', 'also', 'an']...)
Dictionary(130 unique tokens: ['a', 'able', 'acid', 'acknowledged', 'affected']...)
Dictionary(110 unique tokens: ['', 'a', 'acceded', 'adventure', 'affect']...)
Dictionary(101 unique tokens: ['', 'a', 'about', 'accept', 'advice']...)
Dictionary(91 unique tokens: ['affected', 'also', 'and', 'any', 'arent']...)
Dictionary(86 unique tokens: ['a', 'and', 'biker', 'breezy', 'but']...)
Dictionary(117 unique tokens: ['', 'a', 'and', 'another', 'as']...)
Dictionary(71 unique tokens: ['a', 'affected', 'and', 'animals', 'are']...)
```

```
Dictionary(63 unique tokens: ['affect', 'and', 'any', 'around', 'cyclist']...)
Dictionary(104 unique tokens: ['a', 'additional', 'affected', 'along', 'and']...)
Dictionary(85 unique tokens: ['a', 'able', 'affect', 'affects', 'also']...)
Dictionary(103 unique tokens: ['', 'a', 'across', 'affect', 'also']...)
Dictionary(93 unique tokens: ['', 'a', 'affected', 'affects', 'ahead']...)
Dictionary(141 unique tokens: ['a', 'abandoned', 'affect', 'against', 'almost']...)
Dictionary(86 unique tokens: ['affected', 'and', 'ask', 'at', 'bait']...)
Dictionary(158 unique tokens: ['', 'a', 'about', 'adding', 'adds']...)
Dictionary(92 unique tokens: ['a', 'affected', 'also', 'and', 'any']...)
Dictionary(91 unique tokens: ['a', 'about', 'and', 'are', 'as']...)
Dictionary(115 unique tokens: ['a', 'affect', 'after', 'all', 'almost']...)
Dictionary(106 unique tokens: ['a', 'affected', 'after', 'all', 'and']...)
Dictionary(134 unique tokens: ['a', 'adds', 'adventure', 'affect', 'affected']...)
Dictionary(62 unique tokens: ['and', 'answer', 'because', 'effects', 'get']...)
Dictionary(83 unique tokens: ['', 'affected', 'also', 'and', 'back']...)
Dictionary(100 unique tokens: ['a', 'affect', 'affected', 'ahead', 'also']...)
Dictionary(137 unique tokens: ['a', 'affect', 'affected', 'all', 'alone']...)
Dictionary(118 unique tokens: ['', 'a', 'advice', 'also', 'and']...)
Dictionary(122 unique tokens: ['a', 'ability', 'affect', 'all', 'along']...)
Dictionary(67 unique tokens: ['a', 'also', 'are', 'as', 'calve']...)
Dictionary(116 unique tokens: ['a', 'almost', 'also', 'and', 'any']...)
Dictionary(57 unique tokens: ['also', 'bad', 'cyclist', 'directions', 'gave']...)
Dictionary(94 unique tokens: ['a', 'affects', 'and', 'anywhere', 'around']...)
Dictionary(124 unique tokens: ['a', 'accepting', 'after', 'almost', 'an']...)
Dictionary(93 unique tokens: ['affected', 'affecting', 'all', 'almost', 'an']...)
Dictionary(100 unique tokens: ['', 'a', 'also', 'and', 'as']...)
Dictionary(51 unique tokens: ['by', 'climates', 'cyclist', 'dry', 'effects']...)
Dictionary(145 unique tokens: ['a', 'abandoned', 'accomplishment', 'ahead', 'al
l']...)
Dictionary(125 unique tokens: ['', 'a', 'added', 'adversely', 'affect']...)
Dictionary(94 unique tokens: ['a', 'about', 'and', 'as', 'circled']...)
Dictionary(67 unique tokens: ['a', 'affect', 'became', 'because', 'can']...)
Dictionary(61 unique tokens: ['affect', 'and', 'because', 'bitter', 'concentrat
e']...)
Dictionary(107 unique tokens: ['', 'a', 'about', 'affected', 'and']...)
Dictionary(68 unique tokens: ['a', 'adventure', 'ahead', 'an', 'and']...)
Dictionary(87 unique tokens: ['', 'a', 'advice', 'affect', 'after']...)
Dictionary(83 unique tokens: ['affect', 'affected', 'also', 'an', 'and']...)
Dictionary(80 unique tokens: ['a', 'and', 'around', 'be', 'bit']...)
Dictionary(110 unique tokens: ['a', 'acid', 'acknowledged', 'active', 'all']...)
Dictionary(128 unique tokens: ['a', 'able', 'acid', 'affect', 'ahead']...)
Dictionary(97 unique tokens: ['', 'a', 'affect', 'affected', 'ahead']...)
Dictionary(98 unique tokens: ['a', 'affected', 'all', 'and', 'are']...)
Dictionary(100 unique tokens: ['a', 'advice', 'affected', 'after', 'an']...)
Dictionary(63 unique tokens: ['and', 'any', 'courage', 'find', 'go']...)
Dictionary(133 unique tokens: ['a', 'absence', 'affected', 'all', 'almost']...)
Dictionary(159 unique tokens: ['', 'a', 'across', 'addition', 'all']...)
Dictionary(70 unique tokens: ['', 'affects', 'ago', 'are', 'because']...)
Dictionary(128 unique tokens: ['a', 'after', 'all', 'and', 'any']...)
Dictionary(88 unique tokens: ['a', 'across', 'affect', 'affected', 'affecting']...)
Dictionary(84 unique tokens: ['a', 'all', 'alot', 'and', 'be']...)
Dictionary(91 unique tokens: ['a', 'advice', 'ages', 'and', 'because']...)
Dictionary(109 unique tokens: ['a', 'about', 'affect', 'affects', 'ahead']...)
Dictionary(120 unique tokens: ['a', 'abandoned', 'again', 'all', 'an']...)
Dictionary(143 unique tokens: ['a', 'across', 'activity', 'adventurous', 'affec
t']...)
Dictionary(108 unique tokens: ['', 'a', 'about', 'affect', 'almost']...)
Dictionary(84 unique tokens: ['', 'a', 'affects', 'alot', 'also']...)
Dictionary(108 unique tokens: ['', 'a', 'across', 'affected', 'also']...)
Dictionary(96 unique tokens: ['a', 'about', 'acid', 'adventure', 'affected']...)
```

```
Dictionary(62 unique tokens: ['and', 'are', 'by', 'confused', 'cyclist']...)
Dictionary(98 unique tokens: ['', 'a', 'affect', 'also', 'an']...)
Dictionary(136 unique tokens: ['', 'a', 'advice', 'affected', 'all']...)
Dictionary(90 unique tokens: ['', 'about', 'affected', 'always', 'am']...)
Dictionary(69 unique tokens: ['about', 'also', 'aware', 'be', 'careful']...)
Dictionary(135 unique tokens: ['a', 'about', 'across', 'affect', 'affects']...)
Dictionary(136 unique tokens: ['a', 'adding', 'affected', 'again', 'also']...)
Dictionary(74 unique tokens: ['a', 'also', 'and', 'any', 'around']...)
Dictionary(81 unique tokens: ['a', 'about', 'affected', 'and', 'back']...)
Dictionary(93 unique tokens: ['', 'a', 'abandoned', 'able', 'affect']...)
Dictionary(85 unique tokens: ['', 'a', 'affected', 'and', 'are']...)
Dictionary(127 unique tokens: ['', 'a', 'affected', 'ahead', 'allowing']...)
Dictionary(111 unique tokens: ['a', 'affect', 'affected', 'ahead', 'all']...)
Dictionary(73 unique tokens: ['affect', 'and', 'anymore', 'are', 'as']...)
Dictionary(136 unique tokens: ['', 'a', 'about', 'ahead', 'and']...)
Dictionary(90 unique tokens: ['', 'a', 'all', 'and', 'area']...)
Dictionary(142 unique tokens: ['a', 'acid', 'after', 'ahead', 'amiss']...)
Dictionary(102 unique tokens: ['a', 'affected', 'after', 'also', 'and']...)
Dictionary(110 unique tokens: ['', 'a', 'abided', 'about', 'affects']...)
Dictionary(113 unique tokens: ['', 'a', 'abandoned', 'across', 'affect']...)
Dictionary(70 unique tokens: ['a', 'affect', 'an', 'and', 'because']...)
Dictionary(109 unique tokens: ['', 'a', 'affect', 'affected', 'after']...)
Dictionary(79 unique tokens: ['a', 'all', 'and', 'are', 'be']...)
Dictionary(93 unique tokens: ['', 'a', 'about', 'accept', 'advice']...)
Dictionary(116 unique tokens: ['a', 'affect', 'and', 'be', 'because']...)
Dictionary(124 unique tokens: ['a', 'abandoned', 'adding', 'ahead', 'and']...)
Dictionary(115 unique tokens: ['', 'affected', 'againg', 'ahead', 'aid']...)
Dictionary(76 unique tokens: ['a', 'affect', 'and', 'another', 'bad']...)
Dictionary(87 unique tokens: ['', 'a', 'accept', 'advice', 'because']...)
Dictionary(111 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(79 unique tokens: ['acid', 'affect', 'also', 'and', 'animals']...)
Dictionary(88 unique tokens: ['', 'a', 'affect', 'and', 'any']...)
Dictionary(86 unique tokens: ['a', 'ad', 'affected', 'california', 'caps']...)
Dictionary(134 unique tokens: ['', 'a', 'adds', 'affect', 'affects']...)
Dictionary(128 unique tokens: ['', 'a', 'abandoned', 'affected', 'affects']...)
Dictionary(142 unique tokens: ['a', 'abandoned', 'about', 'actual', 'after']...)
Dictionary(72 unique tokens: ['a', 'about', 'affect', 'affects', 'and']...)
Dictionary(102 unique tokens: ['', 'a', 'affect', 'ahead', 'and']...)
Dictionary(86 unique tokens: ['', 'a', 'also', 'an', 'and']...)
Dictionary(84 unique tokens: ['', 'a', 'and', 'building', 'carter']...)
Dictionary(152 unique tokens: ['', 'a', 'abandoned', 'additionally', 'affected']...)
Dictionary(105 unique tokens: ['a', 'action', 'advice', 'always', 'and']...)
Dictionary(82 unique tokens: ['about', 'affect', 'an', 'and', 'because']...)
Dictionary(103 unique tokens: ['about', 'almost', 'and', 'at', 'be']...)
Dictionary(99 unique tokens: ['', 'a', 'affect', 'all', 'and']...)
Dictionary(107 unique tokens: ['', 'a', 'adds', 'also', 'and']...)
Dictionary(106 unique tokens: ['a', 'affect', 'affects', 'although', 'and']...)
Dictionary(65 unique tokens: ['affect', 'affects', 'and', 'because', 'cyclist']...)
Dictionary(82 unique tokens: ['a', 'after', 'also', 'and', 'balance']...)
Dictionary(82 unique tokens: ['a', 'affect', 'all', 'also', 'and']...)
Dictionary(67 unique tokens: ['affect', 'and', 'at', 'because', 'blackish']...)
Dictionary(79 unique tokens: ['affect', 'affected', 'and', 'because', 'by']...)
Dictionary(119 unique tokens: ['a', 'add', 'affect', 'also', 'amount']...)
Dictionary(74 unique tokens: ['a', 'are', 'back', 'because', 'biker']...)
Dictionary(117 unique tokens: ['', 'a', 'across', 'acts', 'also']...)
Dictionary(68 unique tokens: ['a', 'affect', 'another', 'be', 'begins']...)
Dictionary(115 unique tokens: ['a', 'about', 'affect', 'affecting', 'and']...)
Dictionary(96 unique tokens: ['a', 'about', 'affect', 'ahead', 'anything']...)
Dictionary(124 unique tokens: ['a', 'accurate', 'also', 'and', 'area']...)
Dictionary(138 unique tokens: ['a', 'about', 'advice', 'affect', 'and']...)
```

```
Dictionary(106 unique tokens: ['a', 'affect', 'affected', 'also', 'and']...)
Dictionary(80 unique tokens: ['', 'a', 'affect', 'after', 'all']...)
Dictionary(104 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'ahead']...)
Dictionary(107 unique tokens: ['a', 'abandoned', 'about', 'across', 'an']...)
Dictionary(114 unique tokens: ['', 'a', 'abandoned', 'affect', 'affected']...)
Dictionary(145 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(79 unique tokens: ['', 'a', 'and', 'at', 'beginning']...)
Dictionary(94 unique tokens: ['a', 'affect', 'all', 'also', 'around']...)
Dictionary(101 unique tokens: ['a', 'about', 'ahead', 'already', 'an']...)
Dictionary(136 unique tokens: ['a', 'across', 'affect', 'affected', 'always']...)
Dictionary(127 unique tokens: ['', 'abandoned', 'affect', 'affected', 'air']...)
Dictionary(93 unique tokens: ['a', 'an', 'balance', 'be', 'because']...)
Dictionary(133 unique tokens: ['a', 'affect', 'all', 'also', 'and']...)
Dictionary(73 unique tokens: ['a', 'affects', 'and', 'bumpy', 'buy']...)
Dictionary(75 unique tokens: ['', 'a', 'affected', 'at', 'been']...)
Dictionary(67 unique tokens: ['also', 'and', 'because', 'cycleist', 'dehydrated']...)
Dictionary(143 unique tokens: ['', 'a', 'after', 'ahead', 'all']...)
Dictionary(74 unique tokens: ['a', 'affects', 'and', 'are', 'be']...)
Dictionary(72 unique tokens: ['a', 'abandoned', 'affect', 'an', 'and']...)
Dictionary(109 unique tokens: ['a', 'affect', 'ahead', 'also', 'and']...)
Dictionary(105 unique tokens: ['', 'a', 'abandoned', 'acid', 'adhere']...)
Dictionary(97 unique tokens: ['a', 'accept', 'advice', 'all', 'and']...)
Dictionary(72 unique tokens: ['', 'a', 'according', 'affect', 'and']...)
Dictionary(83 unique tokens: ['a', 'affected', 'allowing', 'and', 'by']...)
Dictionary(113 unique tokens: ['a', 'affected', 'ahead', 'also', 'and']...)
Dictionary(158 unique tokens: ['', 'a', 'acid', 'across', 'advice']...)
Dictionary(85 unique tokens: ['', 'air', 'all', 'also', 'begins']...)
Dictionary(81 unique tokens: ['a', 'affect', 'and', 'any', 'area']...)
Dictionary(85 unique tokens: ['a', 'affect', 'all', 'any', 'around']...)
Dictionary(66 unique tokens: ['a', 'and', 'bag', 'california', 'desert']...)
Dictionary(108 unique tokens: ['a', 'able', 'affected', 'affects', 'all']...)
Dictionary(94 unique tokens: ['a', 'affected', 'after', 'and', 'as']...)
Dictionary(135 unique tokens: ['', 'a', 'about', 'above', 'affect']...)
Dictionary(84 unique tokens: ['a', 'affect', 'all', 'and', 'because']...)
Dictionary(122 unique tokens: ['a', 'about', 'affected', 'after', 'and']...)
Dictionary(74 unique tokens: ['a', 'affected', 'any', 'are', 'because']...)
Dictionary(76 unique tokens: ['affect', 'affected', 'all', 'are', 'cruel']...)
Dictionary(103 unique tokens: ['', 'a', 'affect', 'although', 'an']...)
Dictionary(91 unique tokens: ['a', 'affected', 'although', 'and', 'are']...)
Dictionary(147 unique tokens: ['', 'abd', 'about', 'affect', 'all']...)
Dictionary(90 unique tokens: ['alone', 'and', 'any', 'because', 'bikes']...)
Dictionary(99 unique tokens: ['a', 'able', 'about', 'accident', 'and']...)
Dictionary(101 unique tokens: ['a', 'about', 'affects', 'alone', 'and']...)
Dictionary(134 unique tokens: ['a', 'accepts', 'acid', 'across', 'affected']...)
Dictionary(82 unique tokens: ['affected', 'all', 'almost', 'also', 'and']...)
Dictionary(97 unique tokens: ['', 'a', 'affecting', 'am', 'and']...)
Dictionary(130 unique tokens: ['', 'a', 'acid', 'advise', 'allow']...)
Dictionary(124 unique tokens: ['a', 'abandoned', 'ahead', 'an', 'and']...)
Dictionary(118 unique tokens: ['a', 'abandoned', 'all', 'also', 'and']...)
Dictionary(86 unique tokens: ['a', 'affect', 'affected', 'an', 'and']...)
Dictionary(83 unique tokens: ['a', 'affects', 'aged', 'always', 'another']...)
Dictionary(132 unique tokens: ['a', 'affect', 'affected', 'after', 'against']...)
Dictionary(108 unique tokens: ['', 'a', 'affecting', 'against', 'along']...)
Dictionary(99 unique tokens: ['', 'a', 'acsess', 'and', 'are']...)
Dictionary(113 unique tokens: ['a', 'all', 'alot', 'also', 'and']...)
Dictionary(68 unique tokens: ['about', 'also', 'and', 'beauty', 'because']...)
Dictionary(75 unique tokens: ['abandond', 'and', 'be', 'beating', 'california']...)
Dictionary(122 unique tokens: ['', 'a', 'affect', 'affected', 'affection']...)
Dictionary(50 unique tokens: ['', 'a', 'bike', 'do', 'exceed']...)
Dictionary(74 unique tokens: ['a', 'affects', 'and', 'because', 'boost']...)
```

```
Dictionary(113 unique tokens: ['a', 'affect', 'ahead', 'along', 'and']...)
Dictionary(93 unique tokens: ['a', 'affects', 'afraid', 'and', 'because']...)
Dictionary(119 unique tokens: ['a', 'abandoned', 'about', 'acid', 'affected']...)
Dictionary(117 unique tokens: ['a', 'affecting', 'alrightthis', 'also', 'and']...)
Dictionary(85 unique tokens: ['', 'about', 'active', 'affect', 'all']...)
Dictionary(99 unique tokens: ['a', 'affect', 'affects', 'ahead', 'and']...)
Dictionary(168 unique tokens: ['', 'a', 'across', 'after', 'ahead']...)
Dictionary(120 unique tokens: ['a', 'also', 'and', 'arrive', 'at']...)
Dictionary(87 unique tokens: ['a', 'advice', 'always', 'and', 'been']...)
Dictionary(81 unique tokens: ['', 'a', 'and', 'any', 'are']...)
Dictionary(99 unique tokens: ['a', 'about', 'affect', 'ahead', 'and']...)
Dictionary(122 unique tokens: ['a', 'adding', 'afect', 'affect', 'affected']...)
Dictionary(99 unique tokens: ['', 'a', 'affected', 'all', 'and']...)
Dictionary(109 unique tokens: ['a', 'also', 'and', 'ask', 'at']...)
Dictionary(117 unique tokens: ['', 'a', 'abbandon', 'about', 'affect']...)
Dictionary(90 unique tokens: ['abandoned', 'able', 'affects', 'and', 'author']...)
Dictionary(96 unique tokens: ['a', 'about', 'affected', 'also', 'because']...)
Dictionary(73 unique tokens: ['a', 'affected', 'affects', 'ahead', 'and']...)
Dictionary(98 unique tokens: ['a', 'affected', 'alive', 'and', 'area']...)
Dictionary(72 unique tokens: ['', 'and', 'are', 'body', 'condition']...)
Dictionary(133 unique tokens: ['a', 'about', 'advice', 'affects', 'ahead']...)
Dictionary(75 unique tokens: ['', 'affect', 'and', 'because', 'carter']...)
Dictionary(143 unique tokens: ['', 'a', 'affect', 'affected', 'almost']...)
Dictionary(101 unique tokens: ['affected', 'ahead', 'and', 'because', 'become']...)
Dictionary(79 unique tokens: ['advice', 'affect', 'and', 'arrive', 'behavior']...)
Dictionary(81 unique tokens: ['a', 'abandonment', 'affected', 'after', 'also']...)
Dictionary(83 unique tokens: ['', 'a', 'affected', 'and', 'because']...)
Dictionary(88 unique tokens: ['a', 'and', 'as', 'bike', 'biker']...)
Dictionary(113 unique tokens: ['', 'a', 'abundant', 'ahead', 'all']...)
Dictionary(101 unique tokens: ['a', 'all', 'alone', 'also', 'and']...)
Dictionary(112 unique tokens: ['a', 'across', 'advice', 'affected', 'and']...)
Dictionary(126 unique tokens: ['', 'a', 'able', 'all', 'an']...)
Dictionary(117 unique tokens: ['', 'a', 'accept', 'advice', 'affect']...)
Dictionary(123 unique tokens: ['a', 'affected', 'almost', 'also', 'and']...)
Dictionary(94 unique tokens: ['', 'a', 'also', 'and', 'be']...)
Dictionary(101 unique tokens: ['', 'a', 'affects', 'all', 'at']...)
Dictionary(85 unique tokens: ['', 'batey', 'being', 'cause', 'cyclist']...)
Dictionary(141 unique tokens: ['a', 'adding', 'advice', 'after', 'almost']...)
Dictionary(157 unique tokens: ['', 'a', 'ability', 'affected', 'affects']...)
Dictionary(71 unique tokens: ['a', 'affect', 'affected', 'affects', 'and']...)
Dictionary(62 unique tokens: ['able', 'affect', 'and', 'because', 'been']...)
Dictionary(93 unique tokens: ['', 'a', 'acid', 'affect', 'all']...)
Dictionary(77 unique tokens: ['a', 'abut', 'affect', 'and', 'changing']...)
Dictionary(113 unique tokens: ['a', 'affected', 'affecting', 'also', 'and']...)
Dictionary(94 unique tokens: ['a', 'affects', 'alot', 'and', 'another']...)
Dictionary(106 unique tokens: ['', 'affect', 'air', 'also', 'and']...)
Dictionary(113 unique tokens: ['a', 'also', 'always', 'and', 'any']...)
Dictionary(77 unique tokens: ['', 'a', 'abonded', 'and', 'bad']...)
Dictionary(141 unique tokens: ['', 'a', 'about', 'all', 'and']...)
Dictionary(76 unique tokens: ['', 'a', 'affect', 'and', 'any']...)
Dictionary(105 unique tokens: ['a', 'abandoned', 'ahead', 'an', 'and']...)
Dictionary(86 unique tokens: ['a', 'ahead', 'also', 'and', 'are']...)
Dictionary(144 unique tokens: ['', 'a', 'about', 'adventure', 'advice']...)
Dictionary(129 unique tokens: ['a', 'all', 'always', 'an', 'and']...)
Dictionary(139 unique tokens: ['', 'a', 'affect', 'all', 'and']...)
Dictionary(72 unique tokens: ['', 'a', 'affect', 'almost', 'and']...)
Dictionary(105 unique tokens: ['a', 'able', 'affected', 'all', 'also']...)
Dictionary(114 unique tokens: ['affect', 'affects', 'alive', 'along', 'also']...)
Dictionary(82 unique tokens: ['', 'adventure', 'also', 'and', 'because']...)
Dictionary(148 unique tokens: ['', 'a', 'abandoned', 'about', 'affect']...)
```

```
Dictionary(82 unique tokens: ['a', 'affects', 'and', 'any', 'benefited']...)
Dictionary(69 unique tokens: ['', 'a', 'affect', 'also', 'and']...)
Dictionary(96 unique tokens: ['affect', 'affected', 'ahead', 'and', 'at']...)
Dictionary(144 unique tokens: ['a', 'abandoned', 'affect', 'after', 'all']...)
Dictionary(141 unique tokens: ['a', 'about', 'against', 'alive', 'also']...)
Dictionary(98 unique tokens: ['', 'ahead', 'an', 'and', 'around']...)
Dictionary(125 unique tokens: ['a', 'across', 'affect', 'affected', 'alatining']...)
Dictionary(83 unique tokens: ['a', 'affect', 'all', 'an', 'and']...)
Dictionary(96 unique tokens: ['about', 'affected', 'all', 'almost', 'and']...)
Dictionary(104 unique tokens: ['', 'a', 'affects', 'all', 'also']...)
Dictionary(99 unique tokens: ['a', 'affects', 'and', 'at', 'barren']...)
Dictionary(103 unique tokens: ['a', 'abandoned', 'about', 'actually', 'affected']...)
Dictionary(90 unique tokens: ['a', 'affect', 'all', 'along', 'and']...)
Dictionary(135 unique tokens: ['', 'a', 'affects', 'all', 'and']...)
Dictionary(101 unique tokens: ['a', 'affected', 'amount', 'and', 'are']...)
Dictionary(90 unique tokens: ['a', 'added', 'affect', 'all', 'also']...)
Dictionary(83 unique tokens: ['a', 'affect', 'anyone', 'area', 'as']...)
Dictionary(124 unique tokens: ['a', 'aernt', 'after', 'ahead', 'and']...)
Dictionary(109 unique tokens: ['', 'a', 'able', 'affect', 'and']...)
Dictionary(108 unique tokens: ['', 'a', 'affected', 'ahead', 'also']...)
Dictionary(83 unique tokens: ['advice', 'affect', 'again', 'all', 'at']...)
Dictionary(54 unique tokens: ['affects', 'along', 'as', 'being', 'by']...)
Dictionary(114 unique tokens: ['a', 'acid', 'affect', 'and', 'any']...)
Dictionary(91 unique tokens: ['a', 'about', 'affect', 'along', 'anyone']...)
Dictionary(55 unique tokens: ['affect', 'and', 'because', 'cyclist', 'features']...)
Dictionary(87 unique tokens: ['a', 'also', 'and', 'are', 'at']...)
Dictionary(79 unique tokens: ['a', 'against', 'ahead', 'and', 'bad']...)
Dictionary(52 unique tokens: ['about', 'author', 'during', 'essay', 'his']...)
Dictionary(89 unique tokens: ['a', 'and', 'baby', 'banser', 'bein']...)
Dictionary(60 unique tokens: ['affect', 'and', 'because', 'coudnt', 'cyclist']...)
Dictionary(119 unique tokens: ['a', 'affected', 'all', 'and', 'because']...)
Dictionary(112 unique tokens: ['a', 'adding', 'advice', 'affected', 'alot']...)
Dictionary(103 unique tokens: ['affect', 'affected', 'affecting', 'also', 'and']...)
Dictionary(95 unique tokens: ['a', 'affect', 'affecting', 'all', 'also']...)
Dictionary(135 unique tokens: ['a', 'advice', 'affected', 'affects', 'ahead']...)
Dictionary(69 unique tokens: ['a', 'alone', 'and', 'are', 'around']...)
Dictionary(99 unique tokens: ['abandoned', 'about', 'affected', 'all', 'allof']...)
Dictionary(87 unique tokens: ['a', 'acid', 'afected', 'affect', 'and']...)
Dictionary(133 unique tokens: ['a', 'across', 'and', 'be', 'became']...)
Dictionary(70 unique tokens: ['', 'a', 'abandoned', 'affected', 'all']...)
Dictionary(125 unique tokens: ['a', 'abandoned', 'about', 'actually', 'ahead']...)
Dictionary(128 unique tokens: ['a', 'after', 'also', 'and', 'another']...)
Dictionary(115 unique tokens: ['', 'a', 'affected', 'again', 'all']...)
Dictionary(117 unique tokens: ['a', 'acid', 'also', 'and', 'ask']...)
Dictionary(107 unique tokens: ['a', 'affected', 'ahead', 'all', 'almost']...)
Dictionary(115 unique tokens: ['a', 'about', 'affect', 'all', 'almost']...)
Dictionary(75 unique tokens: ['all', 'and', 'as', 'author', 'by']...)
Dictionary(144 unique tokens: ['', 'a', 'again', 'ahead', 'already']...)
Dictionary(93 unique tokens: ['', 'a', 'about', 'affect', 'affecting']...)
Dictionary(69 unique tokens: ['a', 'affect', 'affects', 'alot', 'and']...)
Dictionary(69 unique tokens: ['a', 'amount', 'and', 'article', 'bike']...)
Dictionary(58 unique tokens: ['affect', 'and', 'cyclist', 'futures', 'go']...)
Dictionary(120 unique tokens: ['', 'a', 'affected', 'alone', 'amount']...)
Dictionary(81 unique tokens: ['a', 'affects', 'along', 'and', 'as']...)
Dictionary(119 unique tokens: ['a', 'affected', 'ahead', 'all', 'and']...)
Dictionary(124 unique tokens: ['', 'a', 'abondoned', 'an', 'another']...)
Dictionary(70 unique tokens: ['affect', 'again', 'all', 'also', 'and']...)
Dictionary(121 unique tokens: ['a', 'able', 'affect', 'affects', 'also']...)
Dictionary(77 unique tokens: ['a', 'and', 'are', 'because', 'came']...)
Dictionary(99 unique tokens: ['a', 'affect', 'affects', 'after', 'ahead']...)
```

```
Dictionary(54 unique tokens: ['affected', 'areas', 'been', 'bike', 'by']...)
Dictionary(109 unique tokens: ['affected', 'ahead', 'all', 'also', 'and']...)
Dictionary(130 unique tokens: ['a', 'able', 'affect', 'affected', 'ahead']...)
Dictionary(89 unique tokens: ['a', 'about', 'affect', 'and', 'any']...)
Dictionary(103 unique tokens: ['a', 'affected', 'afraid', 'also', 'and']...)
Dictionary(85 unique tokens: ['affect', 'ahead', 'and', 'are', 'become']...)
Dictionary(72 unique tokens: ['a', 'abandoned', 'affected', 'at', 'barely']...)
Dictionary(88 unique tokens: ['a', 'ahead', 'and', 'another', 'be']...)
Dictionary(107 unique tokens: ['a', 'and', 'any', 'at', 'because']...)
Dictionary(96 unique tokens: ['a', 'about', 'advantage', 'affects', 'all']...)
Dictionary(94 unique tokens: ['a', 'and', 'best', 'birds', 'california']...)
Dictionary(61 unique tokens: ['a', 'and', 'any', 'bike', 'but']...)
Dictionary(81 unique tokens: ['', 'a', 'about', 'affect', 'all']...)
Dictionary(108 unique tokens: ['a', 'abandoned', 'and', 'are', 'at']...)
Dictionary(102 unique tokens: ['', 'across', 'affect', 'all', 'alone']...)
Dictionary(101 unique tokens: ['a', 'affected', 'all', 'and', 'away']...)
Dictionary(130 unique tokens: ['', 'a', 'affect', 'affected', 'all']...)
Dictionary(84 unique tokens: ['a', 'affected', 'also', 'and', 'biker']...)
Dictionary(63 unique tokens: ['abandoned', 'affect', 'all', 'another', 'be']...)
Dictionary(72 unique tokens: ['a', 'affect', 'all', 'barren', 'become']...)
Dictionary(120 unique tokens: ['', 'a', 'ahead', 'alone', 'already']...)
Dictionary(106 unique tokens: ['', 'about', 'affects', 'alive', 'almost']...)
Dictionary(68 unique tokens: ['all', 'and', 'because', 'biking', 'california']...)
Dictionary(82 unique tokens: ['a', 'affected', 'also', 'any', 'been']...)
Dictionary(75 unique tokens: ['a', 'affect', 'altitude', 'and', 'break']...)
Dictionary(67 unique tokens: ['affect', 'and', 'author', 'become', 'california']...)
Dictionary(84 unique tokens: ['according', 'affected', 'and', 'as', 'by']...)
Dictionary(99 unique tokens: ['a', 'all', 'an', 'and', 'are']...)
Dictionary(93 unique tokens: ['', 'a', 'air', 'an', 'and']...)
Dictionary(75 unique tokens: ['a', 'affecting', 'affects', 'and', 'are']...)
Dictionary(125 unique tokens: ['', 'a', 'all', 'also', 'and']...)
Dictionary(82 unique tokens: ['affect', 'also', 'and', 'appear', 'author']...)
Dictionary(78 unique tokens: ['abandoned', 'affected', 'and', 'at', 'begginning']...)
Dictionary(121 unique tokens: ['', 'a', 'affect', 'affected', 'affecting']...)
Dictionary(101 unique tokens: ['', 'abandoned', 'affect', 'ahead', 'along']...)
Dictionary(101 unique tokens: ['affects', 'also', 'and', 'are', 'because']...)
Dictionary(95 unique tokens: ['', 'a', 'about', 'affected', 'ahead']...)
Dictionary(54 unique tokens: ['', 'and', 'begining', 'characters', 'end']...)
Dictionary(87 unique tokens: ['a', 'affects', 'and', 'any', 'as']...)
Dictionary(122 unique tokens: ['a', 'ahead', 'also', 'and', 'any']...)
Dictionary(123 unique tokens: ['a', 'activities', 'affect', 'affected', 'all']...)
Dictionary(112 unique tokens: ['a', 'abandoned', 'about', 'accepting', 'advice']...)
Dictionary(139 unique tokens: ['a', 'acid', 'affects', 'an', 'and']...)
Dictionary(81 unique tokens: ['', 'a', 'affect', 'affects', 'and']...)
Dictionary(116 unique tokens: ['a', 'amazing', 'an', 'and', 'anybody']...)
Dictionary(116 unique tokens: ['a', 'about', 'activity', 'affect', 'although']...)
Dictionary(120 unique tokens: ['a', 'about', 'admit', 'adventure', 'advice']...)
Dictionary(149 unique tokens: ['', 'a', 'abandoned', 'all', 'an']...)
Dictionary(91 unique tokens: ['a', 'affected', 'and', 'another', 'beating']...)
Dictionary(162 unique tokens: ['', 'a', 'abandoned', 'after', 'again']...)
Dictionary(60 unique tokens: ['affected', 'also', 'bad', 'because', 'condition']...)
Dictionary(90 unique tokens: ['a', 'adaodoned', 'adaodoness', 'and', 'any']...)
Dictionary(75 unique tokens: ['affect', 'affected', 'also', 'and', 'because']...)
Dictionary(140 unique tokens: ['a', 'affect', 'ahead', 'also', 'although']...)
Dictionary(141 unique tokens: ['a', 'about', 'affect', 'after', 'all']...)
Dictionary(83 unique tokens: ['a', 'affects', 'and', 'any', 'around']...)
Dictionary(99 unique tokens: ['a', 'affected', 'and', 'another', 'are']...)
Dictionary(69 unique tokens: ['affected', 'also', 'and', 'author', 'beaming']...)
Dictionary(68 unique tokens: ['', 'affect', 'affecting', 'all', 'animals']...)
Dictionary(49 unique tokens: ['cyclist', 'desert', 'determination', 'features', 'give
```

```
s'].....)
Dictionary(106 unique tokens: ['a', 'about', 'affect', 'also', 'an']...)
Dictionary(60 unique tokens: ['a', 'be', 'clear', 'could', 'cyclist']...)
Dictionary(100 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(113 unique tokens: ['a', 'abandoned', 'across', 'additionally', 'afte
r']...)
Dictionary(71 unique tokens: ['a', 'affect', 'after', 'also', 'and']...)
Dictionary(84 unique tokens: ['a', 'affected', 'affects', 'ahead', 'air']...)
Dictionary(136 unique tokens: ['', 'a', 'affects', 'after', 'also']...)
Dictionary(124 unique tokens: ['a', 'able', 'affect', 'affects', 'after']...)
Dictionary(87 unique tokens: ['affect', 'al', 'all', 'almost', 'already']...)
Dictionary(101 unique tokens: ['a', 'adventure', 'affected', 'affects', 'after']...)
Dictionary(115 unique tokens: ['', 'a', 'affected', 'ahead', 'all']...)
Dictionary(78 unique tokens: ['a', 'affected', 'also', 'ask', 'carter']...)
Dictionary(103 unique tokens: ['a', 'able', 'affect', 'affected', 'again']...)
Dictionary(85 unique tokens: ['affect', 'affected', 'and', 'any', 'barely']...)
Dictionary(92 unique tokens: ['a', 'abandoned', 'achive', 'acid', 'affect']...)
Dictionary(84 unique tokens: ['a', 'also', 'and', 'around', 'away']...)
Dictionary(115 unique tokens: ['a', 'abandoned', 'ahead', 'alive', 'also']...)
Dictionary(98 unique tokens: ['a', 'almost', 'and', 'area', 'at']...)
Dictionary(130 unique tokens: ['', 'a', 'abandoned', 'across', 'advice']...)
Dictionary(135 unique tokens: ['', 'a', 'about', 'advise', 'affected']...)
Dictionary(89 unique tokens: ['a', 'affected', 'and', 'awee', 'be']...)
Dictionary(85 unique tokens: ['a', 'almost', 'along', 'and', 'are']...)
Dictionary(119 unique tokens: ['', 'a', 'about', 'acid', 'affect']...)
Dictionary(92 unique tokens: ['a', 'addition', 'affected', 'and', 'around']...)
Dictionary(73 unique tokens: ['a', 'and', 'are', 'break', 'cant']...)
Dictionary(100 unique tokens: ['', 'a', 'affect', 'affects', 'after']...)
Dictionary(111 unique tokens: ['a', 'about', 'affect', 'affected', 'all']...)
Dictionary(88 unique tokens: ['', 'a', 'affect', 'against', 'and']...)
Dictionary(119 unique tokens: ['+', 'a', 'against', 'and', 'as']...)
Dictionary(101 unique tokens: ['', 'a', 'affect', 'affects', 'again']...)
Dictionary(61 unique tokens: ['affects', 'and', 'animals', 'are', 'because']...)
Dictionary(86 unique tokens: ['a', 'across', 'all', 'already', 'and']...)
Dictionary(124 unique tokens: ['', 'a', 'ahead', 'alone', 'and']...)
Dictionary(137 unique tokens: ['a', 'abandoned', 'acid', 'affect', 'affected']...)
Dictionary(85 unique tokens: ['a', 'affected', 'and', 'at', 'because']...)
Dictionary(149 unique tokens: ['a', 'abandoned', 'about', 'across', 'affected']...)
Dictionary(101 unique tokens: ['a', 'about', 'affects', 'also', 'and']...)
Dictionary(72 unique tokens: ['affected', 'and', 'any', 'around', 'because']...)
Dictionary(142 unique tokens: ['', 'a', 'abandoned', 'all', 'almost']...)
Dictionary(80 unique tokens: ['a', 'affected', 'ahead', 'and', 'be']...)
Dictionary(91 unique tokens: ['a', 'advice', 'ahead', 'and', 'any']...)
Dictionary(102 unique tokens: ['', 'a', 'affect', 'all', 'and']...)
Dictionary(140 unique tokens: ['', 'a', 'almost', 'always', 'another']...)
Dictionary(73 unique tokens: ['a', 'about', 'actaire', 'affect', 'and']...)
Dictionary(67 unique tokens: ['a', 'and', 'appealing', 'because', 'considering']...)
Dictionary(82 unique tokens: ['a', 'and', 'away', 'be', 'been']...)
Dictionary(84 unique tokens: ['advise', 'affects', 'also', 'an', 'and']...)
Dictionary(83 unique tokens: ['a', 'all', 'and', 'biker', 'by']...)
Dictionary(86 unique tokens: ['a', 'advice', 'affect', 'affecting', 'along']...)
Dictionary(119 unique tokens: ['a', 'accept', 'advice', 'always', 'and']...)
Dictionary(75 unique tokens: ['a', 'affect', 'and', 'beginning', 'bicycle']...)
Dictionary(66 unique tokens: ['a', 'ask', 'boy', 'but', 'can']...)
Dictionary(149 unique tokens: ['', 'a', 'addition', 'affect', 'an']...)
Dictionary(59 unique tokens: ['a', 'affect', 'because', 'bike', 'cyclist']...)
Dictionary(77 unique tokens: ['a', 'affected', 'all', 'and', 'because']...)
Dictionary(93 unique tokens: ['after', 'because', 'believe', 'but', 'california']...)
Dictionary(120 unique tokens: ['a', 'advantages', 'and', 'are', 'bad']...)
Dictionary(89 unique tokens: ['a', 'about', 'affects', 'all', 'and']...)
```

```
Dictionary(93 unique tokens: ['a', 'affect', 'almost', 'and', 'as']...)
Dictionary(88 unique tokens: ['', 'a', 'affect', 'affected', 'and']...)
Dictionary(151 unique tokens: ['a', 'abandoned', 'abide', 'after', 'against']...)
Dictionary(83 unique tokens: ['', 'affected', 'and', 'as', 'been']...)
Dictionary(128 unique tokens: ['', 'a', 'abandoned', 'affect', 'all']...)
Dictionary(99 unique tokens: ['a', 'also', 'and', 'author', 'be']...)
Dictionary(123 unique tokens: ['', 'a', 'abandoned', 'affected', 'after']...)
Dictionary(54 unique tokens: ['affects', 'and', 'because', 'cyclist', 'hills']...)
Dictionary(107 unique tokens: ['', 'a', 'about', 'affected', 'affects']...)
Dictionary(62 unique tokens: ['affected', 'beat', 'beginning', 'by', 'caps']...)
Dictionary(119 unique tokens: ['a', 'affected', 'affects', 'and', 'are']...)
Dictionary(92 unique tokens: ['acide', 'affects', 'and', 'another', 'as']...)
Dictionary(79 unique tokens: ['affected', 'all', 'also', 'are', 'because']...)
Dictionary(67 unique tokens: ['', 'a', 'affected', 'ahead', 'and']...)
Dictionary(55 unique tokens: ['a', 'always', 'as', 'condition', 'cyclist']...)
Dictionary(95 unique tokens: ['', 'a', 'affected', 'alone', 'and']...)
Dictionary(71 unique tokens: ['a', 'afected', 'and', 'balinc', 'bit']...)
Dictionary(83 unique tokens: ['', 'a', 'able', 'almost', 'and']...)
Dictionary(54 unique tokens: ['a', 'betemperature', 'california', 'coolest', 'i
n']...)
Dictionary(104 unique tokens: ['a', 'affects', 'after', 'an', 'and']...)
Dictionary(136 unique tokens: ['', 'a', 'abandoned', 'across', 'ahead']...)
Dictionary(101 unique tokens: ['', 'a', 'across', 'affect', 'ahead']...)
Dictionary(92 unique tokens: ['and', 'as', 'at', 'being', 'brain']...)
Dictionary(134 unique tokens: ['a', 'about', 'affect', 'affecting', 'also']...)
Dictionary(159 unique tokens: ['', 'a', 'again', 'against', 'ahead']...)
Dictionary(130 unique tokens: ['', 'a', 'ability', 'adding', 'air']...)
Dictionary(132 unique tokens: ['', 'a', 'acidic', 'against', 'all']...)
Dictionary(73 unique tokens: ['a', 'affect', 'and', 'be', 'been']...)
Dictionary(93 unique tokens: ['', 'affected', 'and', 'another', 'be']...)
Dictionary(84 unique tokens: ['', 'a', 'affect', 'affected', 'all']...)
Dictionary(83 unique tokens: ['', 'a', 'about', 'anything', 'arrive']...)
Dictionary(117 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(84 unique tokens: ['a', 'and', 'apart', 'are', 'as']...)
Dictionary(80 unique tokens: ['a', 'affected', 'affects', 'and', 'because']...)
Dictionary(143 unique tokens: ['', 'a', 'about', 'across', 'advice']...)
Dictionary(102 unique tokens: ['', 'a', 'abandon', 'advice', 'affected']...)
Dictionary(75 unique tokens: ['about', 'affects', 'at', 'because', 'being']...)
Dictionary(96 unique tokens: ['abandoned', 'affected', 'amount', 'an', 'and']...)
Dictionary(69 unique tokens: ['advice', 'affects', 'an', 'any', 'because']...)
Dictionary(114 unique tokens: ['a', 'abandon', 'about', 'affect', 'affects']...)
Dictionary(70 unique tokens: ['a', 'affected', 'almost', 'and', 'because']...)
Dictionary(112 unique tokens: ['a', 'affect', 'affected', 'also', 'an']...)
Dictionary(145 unique tokens: ['', 'a', 'all', 'alot', 'also']...)
Dictionary(103 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(139 unique tokens: ['a', 'advice', 'affects', 'alive', 'an']...)
Dictionary(65 unique tokens: ['', 'a', 'affected', 'affects', 'and']...)
Dictionary(169 unique tokens: ['', 'a', 'about', 'acid', 'all']...)
Dictionary(111 unique tokens: ['a', 'affect', 'also', 'an', 'and']...)
Dictionary(161 unique tokens: ['a', 'affect', 'affected', 'ahead', 'an']...)
Dictionary(101 unique tokens: ['a', 'abandoned', 'affected', 'an', 'and']...)
Dictionary(121 unique tokens: ['a', 'about', 'affected', 'also', 'and']...)
Dictionary(65 unique tokens: ['a', 'affect', 'all', 'and', 'bait']...)
Dictionary(90 unique tokens: ['a', 'affects', 'and', 'at', 'because']...)
Dictionary(98 unique tokens: ['a', 'and', 'bicyclist', 'birds', 'bottles']...)
Dictionary(117 unique tokens: ['a', 'affect', 'affected', 'after', 'and']...)
Dictionary(106 unique tokens: ['', 'about', 'affect', 'ahead', 'and']...)
Dictionary(58 unique tokens: ['', 'affect', 'because', 'but', 'chances']...)
Dictionary(99 unique tokens: ['', 'a', 'abondoned', 'affect', 'affects']...)
Dictionary(101 unique tokens: ['about', 'all', 'also', 'and', 'are']...)
```

```
Dictionary(132 unique tokens: ['a', 'about', 'affected', 'already', 'an']...)
Dictionary(119 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(107 unique tokens: ['a', 'also', 'and', 'anywhere', 'are']...)
Dictionary(126 unique tokens: ['a', 'about', 'affects', 'after', 'ahead']...)
Dictionary(97 unique tokens: ['a', 'acid', 'affected', 'all', 'also']...)
Dictionary(94 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'affects']...)
Dictionary(89 unique tokens: ['a', 'about', 'also', 'and', 'are']...)
Dictionary(125 unique tokens: ['', 'a', 'also', 'and', 'at']...)
Dictionary(79 unique tokens: ['a', 'affected', 'ahead', 'also', 'and']...)
Dictionary(118 unique tokens: ['a', 'abandoned', 'affected', 'also', 'and']...)
Dictionary(109 unique tokens: ['a', 'affects', 'again', 'also', 'and']...)
Dictionary(78 unique tokens: ['a', 'ahead', 'also', 'and', 'as']...)
Dictionary(83 unique tokens: ['a', 'about', 'affects', 'all', 'and']...)
Dictionary(110 unique tokens: ['a', 'about', 'affected', 'and', 'area']...)
Dictionary(92 unique tokens: ['a', 'accept', 'advice', 'affects', 'all']...)
Dictionary(106 unique tokens: ['a', 'about', 'accept', 'advice', 'after']...)
Dictionary(76 unique tokens: ['a', 'affect', 'also', 'and', 'because']...)
Dictionary(117 unique tokens: ['affect', 'affected', 'ahead', 'also', 'an']...)
Dictionary(115 unique tokens: ['', 'a', 'acid', 'affect', 'affected']...)
Dictionary(164 unique tokens: ['a', 'abandoned', 'about', 'affect', 'affected']...)
Dictionary(124 unique tokens: ['a', 'acid', 'affected', 'all', 'and']...)
Dictionary(128 unique tokens: ['a', 'abandoned', 'affect', 'affects', 'all']...)
Dictionary(145 unique tokens: ['a', 'actually', 'also', 'and', 'another']...)
Dictionary(110 unique tokens: ['a', 'affect', 'affected', 'also', 'and']...)
Dictionary(98 unique tokens: ['a', 'about', 'according', 'added', 'affect']...)
Dictionary(80 unique tokens: ['affects', 'almost', 'and', 'because', 'can']...)
Dictionary(127 unique tokens: ['a', 'abandoned', 'accept', 'advice', 'affect']...)
Dictionary(81 unique tokens: ['affected', 'and', 'because', 'but', 'carter']...)
Dictionary(68 unique tokens: ['a', 'affected', 'and', 'around', 'because']...)
Dictionary(86 unique tokens: ['', 'a', 'affect', 'affected', 'all']...)
Dictionary(79 unique tokens: ['affect', 'all', 'and', 'as', 'back']...)
Dictionary(66 unique tokens: ['a', 'affect', 'and', 'anther', 'around']...)
Dictionary(91 unique tokens: ['a', 'affect', 'and', 'became', 'blocked']...)
Dictionary(139 unique tokens: ['', 'a', 'addition', 'affect', 'affecting']...)
Dictionary(96 unique tokens: ['a', 'ahead', 'and', 'as', 'by']...)
Dictionary(73 unique tokens: ['a', 'affect', 'at', 'by', 'civilization']...)
Dictionary(109 unique tokens: ['a', 'affected', 'all', 'and', 'around']...)
Dictionary(73 unique tokens: ['a', 'across', 'also', 'and', 'biking']...)
Dictionary(145 unique tokens: ['a', 'abondoned', 'adventure', 'affected', 'ahea
d']...)
Dictionary(66 unique tokens: ['', 'affect', 'affects', 'and', 'because']...)
Dictionary(126 unique tokens: ['a', 'affect', 'affected', 'affeted', 'after']...)
Dictionary(79 unique tokens: ['a', 'affected', 'balance', 'because', 'bit']...)
Dictionary(89 unique tokens: ['acid', 'affected', 'and', 'another', 'battery']...)
Dictionary(75 unique tokens: ['a', 'affected', 'amount', 'and', 'anymoe']...)
Dictionary(70 unique tokens: ['affect', 'almost', 'and', 'because', 'bike']...)
Dictionary(145 unique tokens: ['a', 'about', 'affected', 'all', 'and']...)
Dictionary(93 unique tokens: ['a', 'affected', 'ahead', 'also', 'and']...)
Dictionary(83 unique tokens: ['a', 'affected', 'and', 'animals', 'anything']...)
Dictionary(145 unique tokens: ['a', 'abandoned', 'affected', 'after', 'ahead']...)
Dictionary(105 unique tokens: ['a', 'affect', 'almost', 'along', 'an']...)
Dictionary(103 unique tokens: ['', 'a', 'acid', 'affects', 'all']...)
Dictionary(146 unique tokens: ['', 'a', 'affect', 'all', 'along']...)
Dictionary(100 unique tokens: ['a', 'affected', 'also', 'an', 'and']...)
Dictionary(120 unique tokens: ['a', 'affected', 'after', 'ahead', 'all']...)
Dictionary(121 unique tokens: ['', 'a', 'abandoned', 'affect', 'all']...)
Dictionary(86 unique tokens: ['affect', 'also', 'and', 'as', 'be']...)
Dictionary(73 unique tokens: ['any', 'bad', 'be', 'bick', 'bike']...)
Dictionary(86 unique tokens: ['', 'act', 'affect', 'and', 'around']...)
Dictionary(120 unique tokens: ['adventures', 'affected', 'affects', 'and', 'becaus
```

```
e']...)
Dictionary(48 unique tokens: ['affected', 'cyclist', 'features', 'of', 'setting']...)
Dictionary(128 unique tokens: ['', 'a', 'about', 'acid', 'ahead']...)
Dictionary(82 unique tokens: ['', 'a', 'advice', 'affect', 'also']...)
Dictionary(98 unique tokens: ['', 'also', 'and', 'as', 'bate']...)
Dictionary(80 unique tokens: ['a', 'affected', 'affects', 'and', 'are']...)
Dictionary(91 unique tokens: ['a', 'across', 'affected', 'ahead', 'and']...)
Dictionary(144 unique tokens: ['a', 'about', 'according', 'also', 'and']...)
Dictionary(75 unique tokens: ['affect', 'affected', 'also', 'and', 'another']...)
Dictionary(171 unique tokens: ['', 'a', 'adapt', 'adventure', 'against']...)
Dictionary(56 unique tokens: ['a', 'affect', 'can', 'cyclist', 'energy']...)
Dictionary(68 unique tokens: ['affect', 'affected', 'at', 'begin', 'cyclist']...)
Dictionary(79 unique tokens: ['a', 'affects', 'and', 'cause', 'could']...)
Dictionary(91 unique tokens: ['a', 'affected', 'and', 'because', 'bottle']...)
Dictionary(65 unique tokens: ['', 'affected', 'almost', 'and', 'author']...)
Dictionary(88 unique tokens: ['a', 'accident', 'affect', 'and', 'at']...)
Dictionary(75 unique tokens: ['a', 'ahead', 'also', 'and', 'be']...)
Dictionary(101 unique tokens: ['and', 'became', 'because', 'being', 'by']...)
Dictionary(119 unique tokens: ['a', 'affected', 'after', 'all', 'almost']...)
Dictionary(80 unique tokens: ['abandon', 'abandoned', 'almost', 'and', 'beginnin
g']...)
Dictionary(103 unique tokens: ['a', 'about', 'affects', 'all', 'and']...)
Dictionary(113 unique tokens: ['a', 'affect', 'all', 'along', 'also']...)
Dictionary(140 unique tokens: ['', 'a', 'affects', 'ahead', 'also']...)
Dictionary(90 unique tokens: ['a', 'affect', 'affects', 'ahead', 'and']...)
Dictionary(118 unique tokens: ['a', 'acid', 'affect', 'affecting', 'affects']...)
Dictionary(84 unique tokens: ['', 'ahead', 'and', 'as', 'being']...)
Dictionary(147 unique tokens: ['a', 'abonded', 'about', 'acid', 'affect']...)
Dictionary(112 unique tokens: ['', 'a', 'abandoned', 'advice', 'all']...)
Dictionary(99 unique tokens: ['', 'a', 'affect', 'affected', 'against']...)
Dictionary(80 unique tokens: ['a', 'acid', 'affect', 'almost', 'and']...)
Dictionary(98 unique tokens: ['a', 'ability', 'advice', 'affect', 'again']...)
Dictionary(55 unique tokens: ['a', 'affect', 'because', 'bycles', 'con']...)
Dictionary(112 unique tokens: ['a', 'affected', 'after', 'ahead', 'also']...)
Dictionary(142 unique tokens: ['a', 'advice', 'affected', 'ahead', 'alone']...)
Dictionary(64 unique tokens: ['a', 'always', 'are', 'because', 'bumpy']...)
Dictionary(76 unique tokens: ['a', 'affect', 'also', 'and', 'are']...)
Dictionary(99 unique tokens: ['affect', 'also', 'and', 'around', 'attitude']...)
Dictionary(80 unique tokens: ['affected', 'also', 'an', 'and', 'anything']...)
Dictionary(119 unique tokens: ['a', 'affect', 'alarming', 'an', 'and']...)
Dictionary(51 unique tokens: ['accept', 'advice', 'affect', 'because', 'cyclist']...)
Dictionary(115 unique tokens: ['a', 'about', 'affects', 'after', 'all']...)
Dictionary(85 unique tokens: ['', 'a', 'affect', 'affected', 'after']...)
Dictionary(136 unique tokens: ['a', 'abandoned', 'always', 'an', 'and']...)
Dictionary(102 unique tokens: ['a', 'about', 'accrossed', 'ahead', 'all']...)
Dictionary(72 unique tokens: ['affected', 'alot', 'also', 'and', 'author']...)
Dictionary(91 unique tokens: ['a', 'affected', 'affects', 'all', 'and']...)
Dictionary(102 unique tokens: ['a', 'actually', 'almost', 'and', 'any']...)
Dictionary(75 unique tokens: ['a', 'abounded', 'affect', 'all', 'and']...)
Dictionary(135 unique tokens: ['a', 'across', 'advice', 'affect', 'affects']...)
Dictionary(151 unique tokens: ['a', 'addition', 'also', 'amount', 'an']...)
Dictionary(88 unique tokens: ['a', 'abandoned', 'acid', 'an', 'and']...)
Dictionary(74 unique tokens: ['a', 'affect', 'affects', 'am', 'as']...)
Dictionary(121 unique tokens: ['', 'a', 'abanded', 'acid', 'advice']...)
Dictionary(112 unique tokens: ['', 'a', 'affected', 'ahead', 'also']...)
Dictionary(98 unique tokens: ['affect', 'an', 'and', 'asked', 'bait']...)
Dictionary(143 unique tokens: ['', 'a', 'abandoned', 'advice', 'and']...)
Dictionary(70 unique tokens: ['a', 'affect', 'all', 'and', 'another']...)
Dictionary(124 unique tokens: ['', 'a', 'adventure', 'also', 'and']...)
Dictionary(83 unique tokens: ['a', 'affects', 'ahead', 'all', 'and']...)
```

```
Dictionary(56 unique tokens: ['a', 'author', 'book', 'by', 'california']...)
Dictionary(70 unique tokens: ['affected', 'and', 'caused', 'cool', 'dehydrated']...)
Dictionary(132 unique tokens: ['a', 'affected', 'affects', 'and', 'around']...)
Dictionary(120 unique tokens: ['a', 'almost', 'always', 'and', 'are']...)
Dictionary(85 unique tokens: ['', 'a', 'abandond', 'acid', 'affeced']...)
Dictionary(111 unique tokens: ['a', 'affect', 'affects', 'all', 'also']...)
Dictionary(73 unique tokens: ['a', 'affect', 'almost', 'and', 'bottles']...)
Dictionary(87 unique tokens: ['a', 'affect', 'and', 'as', 'at']...)
Dictionary(86 unique tokens: ['a', 'affect', 'affects', 'area', 'be']...)
Dictionary(106 unique tokens: ['', 'a', 'affects', 'and', 'bairly']...)
Dictionary(108 unique tokens: ['', 'a', 'affect', 'affected', 'affecting']...)
Dictionary(76 unique tokens: ['a', 'because', 'bottle', 'contained', 'cycleist']...)
Dictionary(91 unique tokens: ['a', 'affect', 'all', 'already', 'also']...)
Dictionary(122 unique tokens: ['a', 'about', 'accurate', 'affect', 'again']...)
Dictionary(95 unique tokens: ['a', 'abandoned', 'about', 'alongride', 'also']...)
Dictionary(73 unique tokens: ['affect', 'affects', 'also', 'and', 'by']...)
Dictionary(100 unique tokens: ['affect', 'and', 'are', 'beat', 'beating']...)
Dictionary(69 unique tokens: ['', 'affect', 'also', 'careful', 'cyclist']...)
Dictionary(129 unique tokens: ['', 'a', 'added', 'affect', 'affected']...)
Dictionary(128 unique tokens: ['', 'a', 'also', 'and', 'anything']...)
Dictionary(95 unique tokens: ['', 'a', 'after', 'ahead', 'also']...)
Dictionary(107 unique tokens: ['', 'acts', 'and', 'area', 'around']...)
Dictionary(58 unique tokens: ['', 'affect', 'becaused', 'conclusion', 'cyclist']...)
Dictionary(52 unique tokens: ['cyclist', 'happsy', 'hapy', 'hes', 'makes']...)
Dictionary(81 unique tokens: ['a', 'about', 'affect', 'all', 'and']...)
Dictionary(156 unique tokens: ['a', 'affect', 'after', 'all', 'an']...)
Dictionary(79 unique tokens: ['', 'a', 'about', 'affect', 'all']...)
Dictionary(132 unique tokens: ['a', 'about', 'affected', 'all', 'also']...)
Dictionary(87 unique tokens: ['affected', 'also', 'and', 'as', 'beating']...)
Dictionary(76 unique tokens: ['also', 'and', 'because', 'cyclist', 'difficult']...)
Dictionary(83 unique tokens: ['affect', 'alone', 'and', 'another', 'are']...)
Dictionary(120 unique tokens: ['a', 'about', 'advice', 'affected', 'ahead']...)
Dictionary(118 unique tokens: ['', 'a', 'affect', 'all', 'and']...)
Dictionary(163 unique tokens: ['a', 'abandoned', 'about', 'across', 'affect']...)
Dictionary(137 unique tokens: ['a', 'able', 'about', 'acid', 'advice']...)
Dictionary(129 unique tokens: ['', 'a', 'abandoned', 'about', 'accept']...)
Dictionary(105 unique tokens: ['a', 'affect', 'affects', 'also', 'and']...)
Dictionary(116 unique tokens: ['a', 'affect', 'and', 'are', 'around']...)
Dictionary(98 unique tokens: ['a', 'able', 'acid', 'affect', 'ahead']...)
Dictionary(109 unique tokens: ['a', 'affect', 'affected', 'affecting', 'almost']...)
Dictionary(55 unique tokens: ['affect', 'and', 'because', 'cyclist', 'features']...)
Dictionary(78 unique tokens: ['', 'a', 'about', 'affect', 'also']...)
Dictionary(71 unique tokens: ['affect', 'and', 'another', 'balance', 'became']...)
Dictionary(76 unique tokens: ['a', 'affecting', 'also', 'and', 'another']...)
Dictionary(90 unique tokens: ['a', 'affect', 'ahead', 'all', 'and']...)
Dictionary(118 unique tokens: ['a', 'affect', 'all', 'almost', 'along']...)
Dictionary(84 unique tokens: ['a', 'affect', 'affects', 'ahead', 'alone']...)
Dictionary(61 unique tokens: ['a', 'affect', 'and', 'because', 'cause']...)
Dictionary(117 unique tokens: ['a', 'all', 'along', 'also', 'and']...)
Dictionary(91 unique tokens: ['a', 'affects', 'an', 'and', 'are']...)
Dictionary(91 unique tokens: ['a', 'affect', 'and', 'been', 'being']...)
Dictionary(96 unique tokens: ['affect', 'and', 'are', 'at', 'be']...)
Dictionary(115 unique tokens: ['a', 'about', 'affect', 'affected', 'all']...)
Dictionary(161 unique tokens: ['a', 'abandoned', 'about', 'after', 'an']...)
Dictionary(117 unique tokens: ['', 'a', 'and', 'another', 'around']...)
Dictionary(93 unique tokens: ['', 'a', 'able', 'across', 'after']...)
Dictionary(76 unique tokens: ['a', 'affect', 'all', 'also', 'and']...)
Dictionary(113 unique tokens: ['', 'a', 'afects', 'affect', 'affected']...)
Dictionary(81 unique tokens: ['a', 'all', 'another', 'any', 'are']...)
Dictionary(74 unique tokens: ['', 'a', 'affeted', 'alot', 'and']...)
```

```
Dictionary(54 unique tokens: ['a', 'affected', 'and', 'beceuse', 'cycles']...)
Dictionary(66 unique tokens: ['', 'affect', 'as', 'be', 'because']...)
Dictionary(154 unique tokens: ['', 'a', 'about', 'acid', 'across']...)
Dictionary(73 unique tokens: ['a', 'able', 'affected', 'ahead', 'and']...)
Dictionary(90 unique tokens: ['a', 'and', 'another', 'because', 'become']...)
Dictionary(79 unique tokens: ['affect', 'and', 'another', 'as', 'bad']...)
Dictionary(54 unique tokens: ['big', 'cyclist', 'does', 'its', 'like']...)
Dictionary(82 unique tokens: ['a', 'affect', 'affects', 'and', 'any']...)
Dictionary(90 unique tokens: ['', 'a', 'acid', 'affected', 'all']...)
Dictionary(110 unique tokens: ['a', 'affect', 'affected', 'ahead', 'and']...)
Dictionary(107 unique tokens: ['', 'a', 'acid', 'affect', 'affected']...)
Dictionary(124 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(104 unique tokens: ['a', 'added', 'affect', 'and', 'anxious']...)
Dictionary(154 unique tokens: ['', 'a', 'abandoned', 'advice', 'after']...)
Dictionary(85 unique tokens: ['a', 'abandoned', 'affected', 'also', 'and']...)
Dictionary(76 unique tokens: ['', 'a', 'california', 'cycle', 'cyclist']...)
Dictionary(75 unique tokens: ['', 'a', 'adjusting', 'affect', 'also']...)
Dictionary(68 unique tokens: ['anger', 'bad', 'be', 'car', 'crashes']...)
Dictionary(119 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'also']...)
Dictionary(124 unique tokens: ['', 'a', 'advice', 'affect', 'also']...)
Dictionary(103 unique tokens: ['', 'affected', 'always', 'and', 'asked']...)
Dictionary(79 unique tokens: ['a', 'about', 'also', 'and', 'are']...)
Dictionary(130 unique tokens: ['', 'a', 'abut', 'aka', 'all']...)
Dictionary(82 unique tokens: ['', 'a', 'accident', 'affected', 'ahead']...)
Dictionary(128 unique tokens: ['', 'a', 'about', 'acid', 'affect']...)
Dictionary(75 unique tokens: ['affect', 'affected', 'affecting', 'and', 'are']...)
Dictionary(71 unique tokens: ['a', 'affected', 'also', 'and', 'by']...)
Dictionary(88 unique tokens: ['all', 'and', 'because', 'by', 'character']...)
Dictionary(111 unique tokens: ['', 'a', 'acid', 'affected', 'and']...)
Dictionary(110 unique tokens: ['a', 'activity', 'affect', 'affects', 'also']...)
Dictionary(139 unique tokens: ['', 'a', 'affected', 'and', 'are']...)
Dictionary(124 unique tokens: ['', 'a', 'against', 'and', 'any']...)
Dictionary(88 unique tokens: ['a', 'action', 'and', 'beveyer', 'bring']...)
Dictionary(124 unique tokens: ['a', 'abandone', 'acid', 'ahead', 'amount']...)
Dictionary(90 unique tokens: ['a', 'acid', 'and', 'another', 'arrived']...)
Dictionary(111 unique tokens: ['a', 'affected', 'also', 'an', 'and']...)
Dictionary(107 unique tokens: ['a', 'affects', 'after', 'ahead', 'alot']...)
Dictionary(78 unique tokens: ['affect', 'affected', 'although', 'and', 'became']...)
Dictionary(123 unique tokens: ['', 'a', 'ahead', 'also', 'an']...)
Dictionary(149 unique tokens: ['', 'a', 'affects', 'again', 'alive']...)
Dictionary(131 unique tokens: ['', 'a', 'affect', 'affected', 'an']...)
Dictionary(61 unique tokens: ['a', 'affected', 'and', 'anywhere', 'because']...)
Dictionary(118 unique tokens: ['abandoned', 'alter', 'amplifys', 'and', 'are']...)
Dictionary(79 unique tokens: ['a', 'advice', 'affected', 'also', 'by']...)
Dictionary(71 unique tokens: ['affect', 'alot', 'and', 'are', 'cyclisit']...)
Dictionary(121 unique tokens: ['a', 'actually', 'affected', 'after', 'all']...)
Dictionary(119 unique tokens: ['a', 'abandoned', 'about', 'advice', 'affect']...)
Dictionary(152 unique tokens: ['', 'a', 'affected', 'affecting', 'affects']...)
Dictionary(65 unique tokens: ['about', 'affected', 'and', 'arrived', 'at']...)
Dictionary(118 unique tokens: ['', 'a', 'affect', 'affected', 'aheaddo']...)
Dictionary(111 unique tokens: ['a', 'affect', 'affected', 'affects', 'after']...)
Dictionary(99 unique tokens: ['a', 'after', 'all', 'along', 'also']...)
Dictionary(76 unique tokens: ['a', 'affected', 'ahead', 'calls', 'caps']...)
Dictionary(82 unique tokens: ['a', 'advice', 'advise', 'affect', 'affects']...)
Dictionary(129 unique tokens: ['a', 'acid', 'advice', 'ahead', 'all']...)
Dictionary(85 unique tokens: ['a', 'all', 'and', 'around', 'as']...)
Dictionary(70 unique tokens: ['a', 'affected', 'all', 'arrived', 'at']...)
Dictionary(79 unique tokens: ['', 'a', 'and', 'be', 'because']...)
Dictionary(79 unique tokens: ['a', 'almost', 'and', 'are', 'area']...)
Dictionary(104 unique tokens: ['', 'a', 'abandoned', 'acid', 'affect']...)
```

```
Dictionary(103 unique tokens: ['a', 'ahead', 'all', 'amount', 'and']...)
Dictionary(102 unique tokens: ['', 'a', 'abandoned', 'affect', 'and']...)
Dictionary(88 unique tokens: ['', 'affected', 'already', 'an', 'and']...)
Dictionary(144 unique tokens: ['', 'a', 'able', 'affect', 'affects']...)
Dictionary(80 unique tokens: ['', 'abandon', 'affects', 'also', 'and']...)
Dictionary(151 unique tokens: ['', 'a', 'after', 'and', 'another']...)
Dictionary(156 unique tokens: ['', 'a', 'abandoned', 'advice', 'affected']...)
Dictionary(135 unique tokens: ['', 'a', 'about', 'affect', 'also']...)
Dictionary(116 unique tokens: ['a', 'adjust', 'advanced', 'affect', 'all']...)
Dictionary(83 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(79 unique tokens: ['', 'a', 'any', 'because', 'better']...)
Dictionary(103 unique tokens: ['a', 'able', 'affect', 'and', 'as']...)
Dictionary(71 unique tokens: ['', 'a', 'affect', 'and', 'are']...)
Dictionary(125 unique tokens: ['', 'a', 'ability', 'affect', 'affected']...)
Dictionary(92 unique tokens: ['a', 'adventure', 'affect', 'also', 'and']...)
Dictionary(130 unique tokens: ['a', 'about', 'affect', 'all', 'and']...)
Dictionary(106 unique tokens: ['', 'a', 'ability', 'affected', 'affects']...)
Dictionary(116 unique tokens: ['', 'a', 'able', 'affect', 'ahead']...)
Dictionary(117 unique tokens: ['', 'ability', 'added', 'affected', 'also']...)
Dictionary(70 unique tokens: ['a', 'active', 'and', 'bottles', 'circled']...)
Dictionary(78 unique tokens: ['a', 'affect', 'away', 'can', 'change']...)
Dictionary(67 unique tokens: ['a', 'accepting', 'advice', 'after', 'change']...)
Dictionary(153 unique tokens: ['', 'a', 'abandoned', 'able', 'acid']...)
Dictionary(65 unique tokens: ['a', 'affect', 'amount', 'because', 'bumps']...)
Dictionary(78 unique tokens: ['affect', 'also', 'and', 'any', 'be']...)
Dictionary(88 unique tokens: ['', 'a', 'affected', 'am', 'and']...)
Dictionary(159 unique tokens: ['', 'a', 'abandoned', 'acid', 'advice']...)
Dictionary(146 unique tokens: ['', 'a', 'abandoned', 'across', 'affect']...)
Dictionary(65 unique tokens: ['affect', 'and', 'any', 'building', 'by']...)
Dictionary(86 unique tokens: ['a', 'affected', 'and', 'as', 'author']...)
Dictionary(55 unique tokens: ['ahead', 'also', 'an', 'bad', 'cyclist']...)
Dictionary(100 unique tokens: ['', 'a', 'abandoned', 'advice', 'affected']...)
Dictionary(64 unique tokens: ['a', 'acid', 'affected', 'and', 'battery']...)
Dictionary(170 unique tokens: ['a', 'accept', 'advice', 'and', 'at']...)
Dictionary(99 unique tokens: ['', 'a', 'affect', 'all', 'also']...)
Dictionary(140 unique tokens: ['a', 'advise', 'affect', 'air', 'all']...)
Dictionary(65 unique tokens: ['a', 'and', 'bike', 'boy', 'cut']...)
Dictionary(89 unique tokens: ['affect', 'after', 'ahead', 'and', 'as']...)
Dictionary(89 unique tokens: ['a', 'affect', 'along', 'also', 'any']...)
Dictionary(63 unique tokens: ['', 'a', 'are', 'bad', 'cyclist']...)
Dictionary(80 unique tokens: ['a', 'after', 'also', 'and', 'arrived']...)
Dictionary(99 unique tokens: ['a', 'abandonedit', 'affect', 'also', 'and']...)
Dictionary(145 unique tokens: ['', 'a', 'abanded', 'affected', 'ahead']...)
Dictionary(72 unique tokens: ['a', 'affected', 'and', 'angry', 'arent']...)
Dictionary(86 unique tokens: ['', 'abandond', 'affect', 'affected', 'also']...)
Dictionary(110 unique tokens: ['a', 'about', 'acid', 'affects', 'again']...)
Dictionary(123 unique tokens: ['', 'a', 'able', 'affect', 'always']...)
Dictionary(101 unique tokens: ['a', 'affect', 'affected', 'also', 'always']...)
Dictionary(64 unique tokens: ['also', 'better', 'challenged', 'challenging', 'd
o']...)
Dictionary(100 unique tokens: ['a', 'abandoned', 'affects', 'and', 'any']...)
Dictionary(138 unique tokens: ['', 'a', 'able', 'affecting', 'affects']...)
Dictionary(109 unique tokens: ['a', 'about', 'accept', 'advice', 'affect']...)
Dictionary(112 unique tokens: ['', 'a', 'affected', 'after', 'alone']...)
Dictionary(182 unique tokens: ['', 'a', 'acid', 'affected', 'after']...)
Dictionary(72 unique tokens: ['about', 'am', 'and', 'be', 'becaus']...)
Dictionary(81 unique tokens: ['a', 'and', 'anymore', 'are', 'bad']...)
Dictionary(84 unique tokens: ['a', 'affected', 'all', 'and', 'at']...)
Dictionary(69 unique tokens: ['advices', 'after', 'an', 'and', 'as']...)
Dictionary(119 unique tokens: ['', 'a', 'affect', 'all', 'along']...)
```

```
Dictionary(88 unique tokens: ['adds', 'alone', 'and', 'are', 'bother']...)
Dictionary(83 unique tokens: ['', 'a', 'affected', 'affects', 'and']...)
Dictionary(120 unique tokens: ['', 'a', 'affect', 'ahead', 'and']...)
Dictionary(77 unique tokens: ['', 'all', 'also', 'be', 'because']...)
Dictionary(70 unique tokens: ['', 'a', 'and', 'anymore', 'are']...)
Dictionary(149 unique tokens: ['', 'a', 'affect', 'affected', 'ahead']...)
Dictionary(108 unique tokens: ['a', 'affected', 'all', 'almost', 'and']...)
Dictionary(108 unique tokens: ['a', 'able', 'affect', 'after', 'all']...)
Dictionary(111 unique tokens: ['', 'a', 'affect', 'and', 'another']...)
Dictionary(68 unique tokens: ['a', 'and', 'better', 'day', 'how']...)
Dictionary(98 unique tokens: ['a', 'all', 'also', 'and', 'apropreit']...)
Dictionary(127 unique tokens: ['', 'a', 'across', 'affect', 'ahead']...)
Dictionary(97 unique tokens: ['a', 'accept', 'advice', 'affected', 'also']...)
Dictionary(110 unique tokens: ['', 'a', 'ability', 'affect', 'affected']...)
Dictionary(111 unique tokens: ['a', 'affect', 'affected', 'ahead', 'all']...)
Dictionary(65 unique tokens: ['a', 'affected', 'ahead', 'any', 'be']...)
Dictionary(133 unique tokens: ['a', 'advice', 'affect', 'affects', 'ahead']...)
Dictionary(83 unique tokens: ['a', 'affect', 'also', 'and', 'ask']...)
Dictionary(157 unique tokens: ['a', 'again', 'all', 'amuses', 'and']...)
Dictionary(85 unique tokens: ['a', 'affected', 'and', 'any', 'at']...)
Dictionary(109 unique tokens: ['', 'a', 'acid', 'affected', 'and']...)
Dictionary(82 unique tokens: ['', 'affects', 'alaska', 'all', 'and']...)
Dictionary(80 unique tokens: ['a', 'and', 'at', 'but', 'come']...)
Dictionary(92 unique tokens: ['a', 'affected', 'all', 'and', 'anything']...)
Dictionary(86 unique tokens: ['a', 'about', 'adventure', 'affected', 'and']...)
Dictionary(143 unique tokens: ['', 'a', 'after', 'all', 'almost']...)
Dictionary(87 unique tokens: ['', 'a', 'about', 'affect', 'also']...)
Dictionary(82 unique tokens: ['', 'a', 'air', 'and', 'become']...)
Dictionary(81 unique tokens: ['a', 'across', 'affect', 'affected', 'again']...)
Dictionary(148 unique tokens: ['', 'a', 'about', 'advice', 'affect']...)
Dictionary(136 unique tokens: ['a', 'abandond', 'across', 'affect', 'all']...)
Dictionary(131 unique tokens: ['a', 'abandoned', 'affected', 'ahead', 'almost']...)
Dictionary(91 unique tokens: ['a', 'after', 'again', 'and', 'as']...)
Dictionary(104 unique tokens: ['a', 'affect', 'also', 'always', 'and']...)
Dictionary(62 unique tokens: ['affects', 'and', 'cyclist', 'he', 'hot']...)
Dictionary(57 unique tokens: ['a', 'against', 'and', 'around', 'cyclist']...)
Dictionary(105 unique tokens: ['', 'a', 'affect', 'air', 'along']...)
Dictionary(73 unique tokens: ['affected', 'all', 'at', 'author', 'because']...)
Dictionary(94 unique tokens: ['a', 'accept', 'advice', 'affected', 'affecting']...)
Dictionary(107 unique tokens: ['', 'a', 'about', 'ahead', 'all']...)
Dictionary(144 unique tokens: ['a', 'about', 'absence', 'affect', 'affects']...)
Dictionary(130 unique tokens: ['a', 'affect', 'affects', 'all', 'alone']...)
Dictionary(181 unique tokens: ['', 'a', 'abandoned', 'able', 'about']...)
Dictionary(150 unique tokens: ['a', 'about', 'accept', 'advice', 'all']...)
Dictionary(94 unique tokens: ['a', 'also', 'as', 'basically', 'be']...)
Dictionary(94 unique tokens: ['a', 'about', 'acid', 'affecting', 'all']...)
Dictionary(66 unique tokens: ['affected', 'all', 'and', 'another', 'are']...)
Dictionary(81 unique tokens: ['', 'a', 'affeced', 'all', 'also']...)
Dictionary(82 unique tokens: ['a', 'affect', 'affected', 'affecting', 'all']...)
Dictionary(70 unique tokens: ['a', 'affects', 'ahead', 'and', 'are']...)
Dictionary(96 unique tokens: ['a', 'ahead', 'along', 'and', 'any']...)
Dictionary(73 unique tokens: ['', 'abandoned', 'all', 'also', 'and']...)
Dictionary(120 unique tokens: ['', 'a', 'about', 'affect', 'ahead']...)
Dictionary(134 unique tokens: ['', 'a', 'abandon', 'activity', 'affected']...)
Dictionary(120 unique tokens: ['a', 'abandoned', 'all', 'almost', 'and']...)
Dictionary(63 unique tokens: ['affected', 'affectes', 'affects', 'also', 'and']...)
Dictionary(74 unique tokens: ['a', 'affect', 'ahead', 'and', 'any']...)
Dictionary(126 unique tokens: ['', 'a', 'abandon', 'abandoned', 'affect']...)
Dictionary(69 unique tokens: ['ahead', 'and', 'around', 'because', 'began']...)
Dictionary(118 unique tokens: ['a', 'ad', 'affected', 'and', 'any']...)
```

```
Dictionary(108 unique tokens: ['a', 'acid', 'all', 'and', 'are']...)
Dictionary(109 unique tokens: ['a', 'about', 'affect', 'allready', 'almost']...)
Dictionary(59 unique tokens: ['', 'affected', 'also', 'cyclist', 'desert']...)
Dictionary(86 unique tokens: ['', 'acused', 'affected', 'and', 'any']...)
Dictionary(99 unique tokens: ['a', 'affect', 'affected', 'ahead', 'all']...)
Dictionary(51 unique tokens: ['and', 'area', 'caations', 'cyclist', 'deserted']...)
Dictionary(120 unique tokens: ['', 'a', 'affect', 'and', 'another']...)
Dictionary(79 unique tokens: ['adversity', 'against', 'all', 'and', 'because']...)
Dictionary(155 unique tokens: ['', 'a', 'about', 'activity', 'ad']...)
Dictionary(87 unique tokens: ['', 'a', 'affect', 'affected', 'and']...)
Dictionary(76 unique tokens: ['', 'a', 'affected', 'also', 'asked']...)
Dictionary(99 unique tokens: ['a', 'about', 'affected', 'after', 'against']...)
Dictionary(136 unique tokens: ['', 'a', 'abandoned', 'after', 'already']...)
Dictionary(77 unique tokens: ['', 'a', 'affect', 'affected', 'another']...)
Dictionary(81 unique tokens: ['about', 'all', 'alone', 'and', 'cool']...)
Dictionary(97 unique tokens: ['a', 'abandoned', 'affected', 'affects', 'all']...)
Dictionary(109 unique tokens: ['', 'a', 'abandoned', 'and', 'any']...)
Dictionary(126 unique tokens: ['', 'a', 'affected', 'alot', 'amount']...)
Dictionary(89 unique tokens: ['', 'abandoned', 'affected', 'and', 'any']...)
Dictionary(91 unique tokens: ['a', 'also', 'and', 'another', 'anything']...)
Dictionary(117 unique tokens: ['a', 'abandoned', 'affect', 'all', 'alone']...)
Dictionary(145 unique tokens: ['a', 'acid', 'affect', 'affected', 'ahad']...)
Dictionary(135 unique tokens: ['', 'a', 'abandoned', 'across', 'after']...)
Dictionary(143 unique tokens: ['a', 'acid', 'acknowledges', 'after', 'ahead']...)
Dictionary(153 unique tokens: ['', 'a', 'air', 'and', 'are']...)
Dictionary(122 unique tokens: ['', 'a', 'abandoned', 'add', 'adding']...)
Dictionary(119 unique tokens: ['a', 'abandoned', 'after', 'all', 'also']...)
Dictionary(127 unique tokens: ['', 'a', 'across', 'affect', 'ahead']...)
Dictionary(84 unique tokens: ['a', 'also', 'are', 'as', 'barren']...)
Dictionary(97 unique tokens: ['', 'a', 'affected', 'almost', 'also']...)
Dictionary(79 unique tokens: ['a', 'affected', 'an', 'and', 'author']...)
Dictionary(100 unique tokens: ['a', 'affect', 'affected', 'also', 'and']...)
Dictionary(143 unique tokens: ['', 'a', 'affect', 'affecting', 'all']...)
Dictionary(69 unique tokens: ['a', 'also', 'and', 'are', 'be']...)
Dictionary(92 unique tokens: ['abanodoned', 'about', 'added', 'all', 'and']...)
Dictionary(77 unique tokens: ['', 'a', 'ahead', 'almost', 'and']...)
Dictionary(78 unique tokens: ['about', 'affected', 'air', 'also', 'and']...)
Dictionary(55 unique tokens: ['adont', 'affect', 'by', 'changing', 'character']...)
Dictionary(91 unique tokens: ['a', 'able', 'affect', 'again', 'and']...)
Dictionary(133 unique tokens: ['a', 'affects', 'all', 'also', 'and']...)
Dictionary(84 unique tokens: ['', 'a', 'affect', 'and', 'another']...)
Dictionary(139 unique tokens: ['a', 'affected', 'affecting', 'and', 'any']...)
Dictionary(92 unique tokens: ['', 'a', 'also', 'always', 'are']...)
Dictionary(85 unique tokens: ['a', 'advise', 'alone', 'and', 'any']...)
Dictionary(79 unique tokens: ['all', 'and', 'anything', 'because', 'been']...)
Dictionary(94 unique tokens: ['a', 'affect', 'all', 'and', 'are']...)
Dictionary(103 unique tokens: ['a', 'ahead', 'also', 'and', 'anything']...)
Dictionary(77 unique tokens: ['affected', 'alot', 'and', 'because', 'bike']...)
Dictionary(87 unique tokens: ['affected', 'affects', 'ahead', 'almost', 'also']...)
Dictionary(118 unique tokens: ['a', 'actualy', 'after', 'all', 'an']...)
Dictionary(97 unique tokens: ['', 'a', 'affect', 'ahead', 'and']...)
Dictionary(69 unique tokens: ['a', 'affect', 'and', 'be', 'bright']...)
Dictionary(126 unique tokens: ['a', 'abandoned', 'across', 'affect', 'ahead']...)
Dictionary(114 unique tokens: ['a', 'abandoned', 'acid', 'and', 'away']...)
Dictionary(101 unique tokens: ['', 'a', 'according', 'affected', 'also']...)
Dictionary(77 unique tokens: ['a', 'about', 'and', 'are', 'as']...)
Dictionary(136 unique tokens: ['a', 'abandoned', 'according', 'affect', 'affecte
d']...)
Dictionary(140 unique tokens: ['a', 'about', 'after', 'ahead', 'an']...)
Dictionary(82 unique tokens: ['a', 'about', 'adds', 'and', 'be']...)
```

```
Dictionary(66 unique tokens: ['about', 'advice', 'affected', 'ahead', 'but']...)
Dictionary(97 unique tokens: ['a', 'accepted', 'affect', 'also', 'and']...)
Dictionary(136 unique tokens: ['a', 'about', 'after', 'all', 'and']...)
Dictionary(98 unique tokens: ['', 'a', 'affected', 'affects', 'ahead']...)
Dictionary(82 unique tokens: ['a', 'affected', 'also', 'and', 'because']...)
Dictionary(87 unique tokens: ['', 'a', 'abandoned', 'able', 'all']...)
Dictionary(76 unique tokens: ['a', 'as', 'bike', 'by', 'can']...)
Dictionary(150 unique tokens: ['', 'a', 'abanded', 'all', 'allowing']...)
Dictionary(76 unique tokens: ['', 'a', 'affect', 'affected', 'bottles']...)
Dictionary(160 unique tokens: ['', 'a', 'abondoned', 'after', 'ago']...)
Dictionary(159 unique tokens: ['a', 'accept', 'advice', 'affect', 'affected']...)
Dictionary(88 unique tokens: ['', 'affect', 'ahead', 'all', 'almost']...)
Dictionary(66 unique tokens: ['a', 'about', 'affect', 'ahead', 'be']...)
Dictionary(91 unique tokens: ['a', 'also', 'and', 'around', 'been']...)
Dictionary(89 unique tokens: ['a', 'about', 'affected', 'and', 'building']...)
Dictionary(119 unique tokens: ['a', 'affected', 'also', 'and', 'anxiety']...)
Dictionary(68 unique tokens: ['affected', 'and', 'change', 'considering', 'cope']...)
Dictionary(111 unique tokens: ['a', 'about', 'advice', 'affected', 'after']...)
Dictionary(211 unique tokens: ['a', 'about', 'addition', 'additional', 'affecte
d']...)
Dictionary(103 unique tokens: ['', 'a', 'affect', 'affected', 'ahead']...)
Dictionary(105 unique tokens: ['a', 'affected', 'after', 'and', 'at']...)
Dictionary(86 unique tokens: ['a', 'abandoned', 'affected', 'against', 'and']...)
Dictionary(89 unique tokens: ['a', 'along', 'and', 'because', 'but']...)
Dictionary(112 unique tokens: ['', 'a', 'about', 'all', 'almost']...)
Dictionary(110 unique tokens: ['', 'a', 'abandoned', 'abondered', 'affect']...)
Dictionary(123 unique tokens: ['a', 'adds', 'affect', 'ahead', 'also']...)
Dictionary(102 unique tokens: ['a', 'ahead', 'and', 'are', 'as']...)
Dictionary(115 unique tokens: ['a', 'affect', 'air', 'and', 'any']...)
Dictionary(125 unique tokens: ['a', 'adds', 'advance', 'advice', 'also']...)
Dictionary(91 unique tokens: ['a', 'affected', 'again', 'and', 'author']...)
Dictionary(117 unique tokens: ['', 'a', 'able', 'about', 'affects']...)
Dictionary(75 unique tokens: ['adventure', 'back', 'continue', 'cyclist', 'environmen
t']...)
Dictionary(164 unique tokens: ['a', 'about', 'after', 'all', 'along']...)
Dictionary(110 unique tokens: ['', 'a', 'about', 'affects', 'and']...)
Dictionary(88 unique tokens: ['', 'a', 'all', 'and', 'been']...)
Dictionary(138 unique tokens: ['', 'a', 'about', 'acid', 'affects']...)
Dictionary(95 unique tokens: ['a', 'all', 'also', 'an', 'and']...)
Dictionary(96 unique tokens: ['', 'a', 'acid', 'alot', 'and']...)
Dictionary(144 unique tokens: ['', 'a', 'affected', 'after', 'and']...)
Dictionary(104 unique tokens: ['', 'a', 'affected', 'affecting', 'all']...)
Dictionary(62 unique tokens: ['advice', 'and', 'cyclest', 'essay', 'from']...)
Dictionary(121 unique tokens: ['a', 'affect', 'affected', 'all', 'also']...)
Dictionary(126 unique tokens: ['a', 'affect', 'affected', 'all', 'animals']...)
Dictionary(173 unique tokens: ['', 'a', 'across', 'affect', 'all']...)
Dictionary(115 unique tokens: ['a', 'affect', 'also', 'and', 'are']...)
Dictionary(97 unique tokens: ['', 'a', 'almost', 'also', 'and']...)
Dictionary(107 unique tokens: ['a', 'ahead', 'all', 'and', 'are']...)
Dictionary(121 unique tokens: ['a', 'able', 'affect', 'again', 'all']...)
Dictionary(62 unique tokens: ['', 'changing', 'cyclist', 'effected', 'feature']...)
Dictionary(80 unique tokens: ['a', 'affect', 'affects', 'ahead', 'already']...)
Dictionary(91 unique tokens: ['', 'a', 'ad', 'affects', 'allowed']...)
Dictionary(100 unique tokens: ['a', 'absolutely', 'affected', 'all', 'also']...)
Dictionary(60 unique tokens: ['a', 'bad', 'but', 'cyclist', 'day']...)
Dictionary(94 unique tokens: ['a', 'about', 'accept', 'advice', 'affect']...)
Dictionary(123 unique tokens: ['', 'a', 'ahead', 'always', 'and']...)
Dictionary(70 unique tokens: ['a', 'affect', 'although', 'and', 'around']...)
Dictionary(116 unique tokens: ['a', 'affect', 'ahead', 'allowing', 'also']...)
Dictionary(90 unique tokens: ['a', 'affect', 'ahead', 'and', 'anything']...)
```

```
Dictionary(81 unique tokens: ['a', 'affects', 'and', 'balance', 'by']...)
Dictionary(87 unique tokens: ['a', 'about', 'after', 'against', 'ahead']...)
Dictionary(130 unique tokens: ['', 'a', 'abandoned', 'about', 'affected']...)
Dictionary(150 unique tokens: ['a', 'about', 'adds', 'affected', 'ahead']...)
Dictionary(93 unique tokens: ['a', 'abandoned', 'affect', 'after', 'all']...)
Dictionary(80 unique tokens: ['a', 'and', 'as', 'begging', 'building']...)
Dictionary(108 unique tokens: ['a', 'affects', 'also', 'and', 'at']...)
Dictionary(67 unique tokens: ['a', 'against', 'almost', 'and', 'at']...)
Dictionary(86 unique tokens: ['a', 'affected', 'affects', 'also', 'amount']...)
Dictionary(60 unique tokens: ['a', 'affect', 'be', 'because', 'contest']...)
Dictionary(104 unique tokens: ['', 'also', 'and', 'are', 'as']...)
Dictionary(88 unique tokens: ['', 'a', 'all', 'and', 'any']...)
Dictionary(69 unique tokens: ['affected', 'also', 'and', 'became', 'because']...)
Dictionary(107 unique tokens: ['', 'about', 'acid', 'affecting', 'all']...)
Dictionary(90 unique tokens: ['a', 'affects', 'ahead', 'and', 'another']...)
Dictionary(102 unique tokens: ['', 'a', 'acid', 'also', 'and']...)
Dictionary(88 unique tokens: ['', 'a', 'affect', 'are', 'be']...)
Dictionary(73 unique tokens: ['', 'a', 'affect', 'an', 'bike']...)
Dictionary(128 unique tokens: ['', 'a', 'abandon', 'about', 'affect']...)
Dictionary(108 unique tokens: ['a', 'abandoned', 'absolutely', 'acctully', 'all']...)
Dictionary(97 unique tokens: ['', 'a', 'affected', 'and', 'animals']...)
Dictionary(100 unique tokens: ['about', 'accept', 'advice', 'affected', 'and']...)
Dictionary(89 unique tokens: ['a', 'affected', 'and', 'around', 'author']...)
Dictionary(114 unique tokens: ['a', 'affect', 'and', 'any', 'around']...)
Dictionary(116 unique tokens: ['', 'a', 'advice', 'ahead', 'all']...)
Dictionary(107 unique tokens: ['a', 'abandoned', 'affect', 'affected', 'almost']...)
Dictionary(97 unique tokens: ['a', 'affected', 'an', 'and', 'be']...)
Dictionary(104 unique tokens: ['a', 'about', 'across', 'affect', 'affected']...)
Dictionary(106 unique tokens: ['a', 'accept', 'advice', 'affect', 'also']...)
Dictionary(97 unique tokens: ['a', 'affect', 'affected', 'also', 'and']...)
Dictionary(115 unique tokens: ['a', 'about', 'affect', 'after', 'afternoon']...)
Dictionary(68 unique tokens: ['a', 'affected', 'based', 'be', 'because']...)
Dictionary(56 unique tokens: ['alway', 'be', 'because', 'came', 'change']...)
Dictionary(138 unique tokens: ['a', 'acid', 'adised', 'affect', 'affected']...)
Dictionary(62 unique tokens: ['a', 'about', 'and', 'basically', 'bike']...)
Dictionary(111 unique tokens: ['a', 'abandon', 'affect', 'all', 'also']...)
Dictionary(88 unique tokens: ['', 'a', 'abandoned', 'added', 'air']...)
Dictionary(94 unique tokens: ['a', 'able', 'actually', 'affect', 'affects']...)
Dictionary(129 unique tokens: ['a', 'advice', 'affect', 'affects', 'after']...)
Dictionary(74 unique tokens: ['', 'a', 'any', 'cyclist', 'desert']...)
Dictionary(101 unique tokens: ['abandoned', 'all', 'and', 'area', 'because']...)
Dictionary(134 unique tokens: ['', 'a', 'adventure', 'advice', 'all']...)
Dictionary(134 unique tokens: ['a', 'about', 'advice', 'affect', 'affected']...)
Dictionary(96 unique tokens: ['a', 'affected', 'and', 'are', 'arizona']...)
Dictionary(91 unique tokens: ['', 'a', 'across', 'advice', 'affected']...)
Dictionary(105 unique tokens: ['a', 'affected', 'all', 'also', 'and']...)
Dictionary(118 unique tokens: ['a', 'alone', 'and', 'are', 'at']...)
Dictionary(134 unique tokens: ['', 'a', 'about', 'advice', 'all']...)
Dictionary(121 unique tokens: ['a', 'abandoned', 'all', 'an', 'and']...)
Dictionary(141 unique tokens: ['', 'a', 'abandoned', 'about', 'advertisement']...)
Dictionary(138 unique tokens: ['', 'a', 'across', 'any', 'anything']...)
Dictionary(78 unique tokens: ['abandoned', 'affected', 'and', 'at', 'begginning']...)
Dictionary(90 unique tokens: ['', 'a', 'affect', 'affected', 'all']...)
Dictionary(128 unique tokens: ['', 'a', 'ahead', 'all', 'an']...)
Dictionary(127 unique tokens: ['a', 'abilities', 'affect', 'affected', 'ahead']...)
Dictionary(139 unique tokens: ['a', 'ad', 'after', 'almost', 'along']...)
Dictionary(80 unique tokens: ['a', 'and', 'california', 'cyclist', 'day']...)
Dictionary(139 unique tokens: ['a', 'ahead', 'alive', 'almost', 'along']...)
Dictionary(99 unique tokens: ['a', 'abandoned', 'affect', 'after', 'all']...)
Dictionary(93 unique tokens: ['a', 'affect', 'and', 'any', 'are']...)
```

```
Dictionary(98 unique tokens: ['a', 'affect', 'affects', 'also', 'and']...)
Dictionary(146 unique tokens: ['a', 'about', 'ahead', 'all', 'along']...)
Dictionary(77 unique tokens: ['a', 'abig', 'always', 'any', 'become']...)
Dictionary(98 unique tokens: ['', 'a', 'about', 'affect', 'affected']...)
Dictionary(92 unique tokens: ['', 'a', 'affected', 'altitude', 'as']...)
Dictionary(82 unique tokens: ['', 'acid', 'affected', 'and', 'bad']...)
Dictionary(73 unique tokens: ['a', 'affect', 'ahead', 'along', 'average']...)
Dictionary(106 unique tokens: ['', 'a', 'affected', 'affects', 'all']...)
Your max_length is set to 142, but you input_length is only 141. You might consider d
ecreasing max_length manually, e.g. summarizer('...', max_length=70)
Dictionary(121 unique tokens: ['a', 'abandoned', 'act', 'affected', 'affects']...)
Dictionary(82 unique tokens: ['', 'a', 'affect', 'ahead', 'all']...)
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

```
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
Batches:   0%|          | 0/1 [00:00<?, ?it/s]
```

In [20]:
```
import math
MSE = np.square(np.subtract(df2['domain1_score'],df2['score_bert'])).mean()
rsme = math.sqrt(MSE)
print("Root Mean Square Error for bert:\n")
print(rsme)
```

```
Root Mean Square Error for bert:

0.8539543753916001
```

In [21]:
```
MSE = np.square(np.subtract(df2['domain1_score'],df2['new_score'])).mean()
rsme = math.sqrt(MSE)
print("Root Mean Square Error for bert2:\n")
print(rsme)
```

```
Root Mean Square Error for bert2:

0.9289438461626457
```

In [22]:
```
MSE = np.square(np.subtract(df2['domain1_score'],df2['score_LSA'])).mean()
rsme = math.sqrt(MSE)
print("Root Mean Square Error for LSA:\n")
print(rsme)
```

```
Root Mean Square Error for LSA:

1.7406762563609566
```

In [23]:
```
MSE = np.square(np.subtract(df2['domain1_score'],df2['score_LDA'])).mean()
rsme = math.sqrt(MSE)
print("Root Mean Square Error for LDA:\n")
print(rsme)
```

```
Root Mean Square Error for LDA:

1.3795149621159655
```

In [24]:
```
MSE = np.square(np.subtract(df2['domain1_score'],df2['score_HDP'])).mean()
rsme = math.sqrt(MSE)
print("Root Mean Square Error for HDP:\n")
print(rsme)
```

```
Root Mean Square Error for HDP:

0.9843219310580402
```

In [25]:
```
df2.to_csv('p3_results.csv')
```

In [26]:
```
df2.head()
```

Out[26]:

	essay_set	domain1_score	new_score	score_LDA	score_LSA	score_HDP	score_bert
0	3	1.0	1.567809	2.999361	0.515872	2.550723	2.278736
1	3	2.0	1.305813	2.903231	0.174172	2.552269	1.592707
2	3	1.0	1.079462	2.981504	0.102737	2.55281	2.134829
3	3	1.0	1.592539	2.984141	0.173941	1.518877	1.821144
4	3	2.0	1.48184	2.260422	0.275082	2.551781	1.99571

In [27]:
```
'''df["LSA Score"] = df.apply(lambda row: get_similarity_using_lsa(row['essay'],expect
df.to_csv("out.csv",index=False)
df.head()'''
```

Out[27]:
```
'df["LSA Score"] = df.apply(lambda row: get_similarity_using_lsa(row[\'essay\'],expec
ted_answer,marks_org),axis=1 )\ndf.to_csv("out.csv",index=False)\ndf.head()'
```

In [28]:
```
'''df["LDA Score"] = df.apply(lambda row: get_similarity_using_lda(row['essay'],expect
df.to_csv("out.csv",index=False)
df.head()'''
```

Out[28]:
```
'df["LDA Score"] = df.apply(lambda row: get_similarity_using_lda(row[\'essay\'],expec
ted_answer,marks_org),axis=1 )\ndf.to_csv("out.csv",index=False)\ndf.head()'
```

In [29]:
```
'''df["BERT Score"]= df.apply(lambda row: get_similarity_using_bert(row['essay'],expec
df.to_csv("out.csv",index=False)
df.head()'''
```

Out[29]:
```
'df["BERT Score"]= df.apply(lambda row: get_similarity_using_bert(row[\'essay\'],expe
cted_answer,marks_org),axis=1)\ndf.to_csv("out.csv",index=False)\ndf.head()'
```

In [30]:
```
'''df["HDP score"]= df.apply(lambda row: get_similarity_using_HDP(row['essay'],expecte
df.to_csv("out.csv",index=False)
df.head()'''
```

Out[30]:
```
'df["HDP score"]= df.apply(lambda row: get_similarity_using_HDP(row[\'essay\'],expect
ed_answer,marks_org),axis=1)\ndf.to_csv("out.csv",index=False)\ndf.head()'
```

In [ ]:

In [ ]: