NLP

Find your favorite news source and grab the article text.

1. Show the most common words in the article.
2. Show the most common words under a part of speech. (i.e. NOUN: {'Bob':12, 'Alice':4,})
3. Find a subject/object relationship through the dependency parser in any sentence.
4. Show the most common Entities and their types.
5. Find Entites and their dependency (hint: entity.root.head)
6. Find the most similar words in the article

Note: Yes, the notebook from the video is not provided, I leave it to you to make your own :) it's your final assignment for the semester. Enjoy!

In [1]:
```
!pip3 install spacy
```

```
Collecting spacy
  Downloading spacy-3.6.1-cp310-cp310-win_amd64.whl (12.0 MB)
     ---------------------------------------- 12.0/12.0 MB 46.9 MB/s eta 0:00:00
Collecting preshed<3.1.0,>=3.0.2
  Downloading preshed-3.0.8-cp310-cp310-win_amd64.whl (94 kB)
     ---------------------------------------- 94.7/94.7 kB ? eta 0:00:00
Collecting typer<0.10.0,>=0.3.0
  Downloading typer-0.9.0-py3-none-any.whl (45 kB)
     ---------------------------------------- 45.9/45.9 kB ? eta 0:00:00
Collecting thinc<8.2.0,>=8.1.8
  Downloading thinc-8.1.12-cp310-cp310-win_amd64.whl (1.5 MB)
     ---------------------------------------- 1.5/1.5 MB 45.9 MB/s eta 0:00:00
Requirement already satisfied: requests<3.0.0,>=2.13.0 in c:\users\jorda\anaconda3\li
b\site-packages (from spacy) (2.28.1)
Requirement already satisfied: setuptools in c:\users\jorda\anaconda3\lib\site-packag
es (from spacy) (65.6.3)
Collecting spacy-legacy<3.1.0,>=3.0.11
  Downloading spacy_legacy-3.0.12-py2.py3-none-any.whl (29 kB)
Collecting pydantic!=1.8,!=1.8.1,<3.0.0,>=1.7.4
  Downloading pydantic-2.1.1-py3-none-any.whl (370 kB)
     ---------------------------------------- 370.9/370.9 kB 24.0 MB/s eta 0:00:00
Collecting spacy-loggers<2.0.0,>=1.0.0
  Downloading spacy_loggers-1.0.4-py3-none-any.whl (11 kB)
Requirement already satisfied: jinja2 in c:\users\jorda\anaconda3\lib\site-packages
(from spacy) (3.1.2)
Collecting srsly<3.0.0,>=2.4.3
  Downloading srsly-2.4.7-cp310-cp310-win_amd64.whl (481 kB)
     ---------------------------------------- 481.6/481.6 kB 31.4 MB/s eta 0:00:00
Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in c:\users\jorda\anaconda3\lib\si
te-packages (from spacy) (4.64.1)
Requirement already satisfied: packaging>=20.0 in c:\users\jorda\anaconda3\lib\site-p
ackages (from spacy) (22.0)
Requirement already satisfied: smart-open<7.0.0,>=5.2.1 in c:\users\jorda\anaconda3\l
ib\site-packages (from spacy) (5.2.1)
Collecting murmurhash<1.1.0,>=0.28.0
  Downloading murmurhash-1.0.9-cp310-cp310-win_amd64.whl (18 kB)
Collecting wasabi<1.2.0,>=0.9.1
  Downloading wasabi-1.1.2-py3-none-any.whl (27 kB)
Collecting pathy>=0.10.0
  Downloading pathy-0.10.2-py3-none-any.whl (48 kB)
     ---------------------------------------- 48.9/48.9 kB ? eta 0:00:00
Collecting cymem<2.1.0,>=2.0.2
  Downloading cymem-2.0.7-cp310-cp310-win_amd64.whl (29 kB)
Collecting langcodes<4.0.0,>=3.2.0
  Downloading langcodes-3.3.0-py3-none-any.whl (181 kB)
     ---------------------------------------- 181.6/181.6 kB ? eta 0:00:00
Collecting catalogue<2.1.0,>=2.0.6
  Downloading catalogue-2.0.9-py3-none-any.whl (17 kB)
Requirement already satisfied: numpy>=1.15.0 in c:\users\jorda\anaconda3\lib\site-pac
kages (from spacy) (1.23.5)
Collecting typing-extensions>=4.6.1
  Downloading typing_extensions-4.7.1-py3-none-any.whl (33 kB)
Collecting annotated-types>=0.4.0
  Downloading annotated_types-0.5.0-py3-none-any.whl (11 kB)
Collecting pydantic-core==2.4.0
  Downloading pydantic_core-2.4.0-cp310-none-win_amd64.whl (1.7 MB)
     ---------------------------------------- 1.7/1.7 MB 36.3 MB/s eta 0:00:00
Requirement already satisfied: certifi>=2017.4.17 in c:\users\jorda\anaconda3\lib\sit
e-packages (from requests<3.0.0,>=2.13.0->spacy) (2022.12.7)
Requirement already satisfied: idna<4,>=2.5 in c:\users\jorda\anaconda3\lib\site-pack
```

```
ages (from requests<3.0.0,>=2.13.0->spacy) (3.4)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\jorda\anaconda3\l
ib\site-packages (from requests<3.0.0,>=2.13.0->spacy) (2.0.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\jorda\anaconda3\lib
\site-packages (from requests<3.0.0,>=2.13.0->spacy) (1.26.14)
Collecting confection<1.0.0,>=0.0.1
  Downloading confection-0.1.1-py3-none-any.whl (34 kB)
Collecting blis<0.8.0,>=0.7.8
  Downloading blis-0.7.10-cp310-cp310-win_amd64.whl (7.4 MB)
     ---------------------------------------- 7.4/7.4 MB 47.2 MB/s eta 0:00:00
Requirement already satisfied: colorama in c:\users\jorda\anaconda3\lib\site-packages
(from tqdm<5.0.0,>=4.38.0->spacy) (0.4.6)
Requirement already satisfied: click<9.0.0,>=7.1.1 in c:\users\jorda\anaconda3\lib\si
te-packages (from typer<0.10.0,>=0.3.0->spacy) (8.0.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\jorda\anaconda3\lib\site-p
ackages (from jinja2->spacy) (2.1.1)
Installing collected packages: cymem, wasabi, typing-extensions, spacy-loggers, spacy
-legacy, murmurhash, langcodes, catalogue, blis, annotated-types, typer, srsly, pydan
tic-core, preshed, pydantic, pathy, confection, thinc, spacy
  Attempting uninstall: typing-extensions
    Found existing installation: typing_extensions 4.4.0
    Uninstalling typing_extensions-4.4.0:
      Successfully uninstalled typing_extensions-4.4.0
Successfully installed annotated-types-0.5.0 blis-0.7.10 catalogue-2.0.9 confection-
0.1.1 cymem-2.0.7 langcodes-3.3.0 murmurhash-1.0.9 pathy-0.10.2 preshed-3.0.8 pydanti
c-2.1.1 pydantic-core-2.4.0 spacy-3.6.1 spacy-legacy-3.0.12 spacy-loggers-1.0.4 srsly
-2.4.7 thinc-8.1.12 typer-0.9.0 typing-extensions-4.7.1 wasabi-1.1.2
```

```
ERROR: pip's dependency resolver does not currently take into account all the package
s that are installed. This behaviour is the source of the following dependency confli
cts.
tensorflow-intel 2.13.0 requires typing-extensions<4.6.0,>=3.6.6, but you have typing
-extensions 4.7.1 which is incompatible.
```

In [9]:

```
!python -m spacy download en_core_web_md
```

```
Collecting en-core-web-md==3.6.0
  Downloading https://github.com/explosion/spacy-models/releases/download/en_core_web
_md-3.6.0/en_core_web_md-3.6.0-py3-none-any.whl (42.8 MB)
     ---------------------------------------- 42.8/42.8 MB 46.7 MB/s eta 0:00:00
Requirement already satisfied: spacy<3.7.0,>=3.6.0 in c:\users\jorda\anaconda3\lib\si
te-packages (from en-core-web-md==3.6.0) (3.6.1)
Requirement already satisfied: packaging>=20.0 in c:\users\jorda\anaconda3\lib\site-p
ackages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (22.0)
Requirement already satisfied: setuptools in c:\users\jorda\anaconda3\lib\site-packag
es (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (65.6.3)
Requirement already satisfied: thinc<8.2.0,>=8.1.8 in c:\users\jorda\anaconda3\lib\si
te-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (8.1.12)
Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in c:\users\jorda\anaconda3\li
b\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (3.3.0)
Requirement already satisfied: jinja2 in c:\users\jorda\anaconda3\lib\site-packages
(from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (3.1.2)
Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in c:\users\jorda\anaconda3
\lib\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (1.0.9)
Requirement already satisfied: smart-open<7.0.0,>=5.2.1 in c:\users\jorda\anaconda3\l
ib\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (5.2.1)
Requirement already satisfied: spacy-legacy<3.1.0,>=3.0.11 in c:\users\jorda\anaconda
3\lib\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (3.0.12)
Requirement already satisfied: wasabi<1.2.0,>=0.9.1 in c:\users\jorda\anaconda3\lib\s
ite-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (1.1.2)
Requirement already satisfied: srsly<3.0.0,>=2.4.3 in c:\users\jorda\anaconda3\lib\si
te-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.4.7)
Requirement already satisfied: catalogue<2.1.0,>=2.0.6 in c:\users\jorda\anaconda3\li
b\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.0.9)
Requirement already satisfied: spacy-loggers<2.0.0,>=1.0.0 in c:\users\jorda\anaconda
3\lib\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (1.0.4)
Requirement already satisfied: cymem<2.1.0,>=2.0.2 in c:\users\jorda\anaconda3\lib\si
te-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.0.7)
Requirement already satisfied: typer<0.10.0,>=0.3.0 in c:\users\jorda\anaconda3\lib\s
ite-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (0.9.0)
Requirement already satisfied: pathy>=0.10.0 in c:\users\jorda\anaconda3\lib\site-pac
kages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (0.10.2)
Requirement already satisfied: requests<3.0.0,>=2.13.0 in c:\users\jorda\anaconda3\li
b\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.28.1)
Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in c:\users\jorda\anaconda3\lib\si
te-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (4.64.1)
Requirement already satisfied: numpy>=1.15.0 in c:\users\jorda\anaconda3\lib\site-pac
kages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (1.23.5)
Requirement already satisfied: preshed<3.1.0,>=3.0.2 in c:\users\jorda\anaconda3\lib
\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (3.0.8)
Requirement already satisfied: pydantic!=1.8,!=1.8.1,<3.0.0,>=1.7.4 in c:\users\jorda
\anaconda3\lib\site-packages (from spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.1.
1)
Requirement already satisfied: typing-extensions>=4.6.1 in c:\users\jorda\anaconda3\l
ib\site-packages (from pydantic!=1.8,!=1.8.1,<3.0.0,>=1.7.4->spacy<3.7.0,>=3.6.0->en-
core-web-md==3.6.0) (4.7.1)
Requirement already satisfied: annotated-types>=0.4.0 in c:\users\jorda\anaconda3\lib
\site-packages (from pydantic!=1.8,!=1.8.1,<3.0.0,>=1.7.4->spacy<3.7.0,>=3.6.0->en-co
re-web-md==3.6.0) (0.5.0)
Requirement already satisfied: pydantic-core==2.4.0 in c:\users\jorda\anaconda3\lib\s
ite-packages (from pydantic!=1.8,!=1.8.1,<3.0.0,>=1.7.4->spacy<3.7.0,>=3.6.0->en-core
-web-md==3.6.0) (2.4.0)
Requirement already satisfied: idna<4,>=2.5 in c:\users\jorda\anaconda3\lib\site-pack
ages (from requests<3.0.0,>=2.13.0->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (3.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\jorda\anaconda3\lib
\site-packages (from requests<3.0.0,>=2.13.0->spacy<3.7.0,>=3.6.0->en-core-web-md==3.
```

```
6.0) (1.26.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\jorda\anaconda3\l
ib\site-packages (from requests<3.0.0,>=2.13.0->spacy<3.7.0,>=3.6.0->en-core-web-md==
3.6.0) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\jorda\anaconda3\lib\sit
e-packages (from requests<3.0.0,>=2.13.0->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0)
(2022.12.7)
Requirement already satisfied: blis<0.8.0,>=0.7.8 in c:\users\jorda\anaconda3\lib\sit
e-packages (from thinc<8.2.0,>=8.1.8->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (0.
7.10)
Requirement already satisfied: confection<1.0.0,>=0.0.1 in c:\users\jorda\anaconda3\l
ib\site-packages (from thinc<8.2.0,>=8.1.8->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.
0) (0.1.1)
Requirement already satisfied: colorama in c:\users\jorda\anaconda3\lib\site-packages
(from tqdm<5.0.0,>=4.38.0->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (0.4.6)
Requirement already satisfied: click<9.0.0,>=7.1.1 in c:\users\jorda\anaconda3\lib\si
te-packages (from typer<0.10.0,>=0.3.0->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0)
(8.0.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\jorda\anaconda3\lib\site-p
ackages (from jinja2->spacy<3.7.0,>=3.6.0->en-core-web-md==3.6.0) (2.1.1)
[+] Download and installation successful
You can now load the package via spacy.load('en_core_web_md')
```

In [12]:
```
import spacy as sp
nlp = sp.load('en_core_web_md')
text_proc = nlp(text)
```

In [10]:
```
text = """'The Pentagon wants to start taking advantage of recent advances in generati
```

In [13]:
```
text_proc
```

Out[13]:
```
'The Pentagon wants to start taking advantage of recent advances in generative artifi
cial intelligence. But to embrace it responsibly, officials think they first need to
take a deep dive into the specific use cases and implications of inserting the rapidl
y-evolving technology into defense applications. The people in charge of that effort
will be a new task force, which the Defense Department announced Thursday. Dubbed “Ta
sk Force Lima,” the group will keep tabs on generative AI implementation across the m
ilitary services and Defense agencies, and also develop and recommend capabilities of
its own, officials said. “The establishment of Task Force Lima underlines the Departm
ent of Defense’s unwavering commitment to leading the charge in AI innovation,” Deput
y Defense Secretary Kathleen Hicks said in a statement. “As we navigate the transform
ative power of generative AI, our focus remains steadfast on ensuring national securi
ty, minimizing risks and responsibly integrating these technologies. The future of de
fense is not just about adopting cutting-edge technologies, but doing so with foresig
ht, responsibility and a deep understanding of the broader implications for our natio
n.” The Pentagon announcement did not specify an end date for the task force’s work.
The new group will operate out of DoD’s existing Chief Digital and Artificial Intelli
gence Office (CDAO), and will be led by Capt. Xavier Lugo, a member of the CDAO’s alg
orithmic warfare directorate. Insight by Emergent 360: As their infrastructures becom
e increasingly complex, federal CISOs look to automation as a critical tool in naviga
ting the onslaught of threats. In our exclusive ebook, CISOs from ICE, Labor, NGA and
Pacific Northwest National Lab share strategies. The rest of the task force will be m
ade up of senior officials from the Office of the Secretary of Defense — “principal s
taff assistants” — along with representatives from the Joint Staff, Defense agencies
and the military services, according to a CDAO blog post published Thursday. Official
s said they also planned to consult subject matter experts from industry and academi
a. The task force, however, is far from DoD’s first foray into generative AI — a fami
ly of technologies that aims to create new content by training algorithms on massive
data sets. U.S. Northern Command, for example, has been experimenting with the techno
logy as part of its annual Global Information Dominance Exercises. And just this wee
k, the Defense Advanced Research Projects Agency announced a new competition to use g
enerative AI to find and fix vulnerabilities in software. But the department as a who
le needs a more integrated and coherent approach to its adoption of the technology, L
ugo said. “The services and combatant commands are actively seeking to leverage the b
enefits and manage the risks of generative AI capabilities and large language models
across multiple mission areas, including intelligence, operational planning, programm
atic and business processes,” he said. “By prioritizing efforts, reducing duplication
and providing enabling AI scaffolding, Task Force Lima will be able to shape the effe
ctive and responsible implementation of LLMs throughout the DoD.”'
```

In [62]:
```python
#Show the most common words
from collections import Counter
words = [token.text
         for token in text_proc
         if not token.is_stop and not token.is_punct]
word_freq = Counter(words)
common_words = word_freq.most_common(10)
common_words
```

Out[62]:
```
[('Defense', 7),
 ('AI', 7),
 ('generative', 6),
 ('said', 5),
 ('new', 4),
 ('task', 4),
 ('force', 4),
 ('officials', 3),
 ('technology', 3),
 ('Task', 3)]
```

In [47]:
```
#Show the most common words under a part of speech
for token in text_proc:
     print(token, token.pos_)
```

```
' PUNCT
The DET
Pentagon PROPN
wants VERB
to PART
start VERB
taking VERB
advantage NOUN
of ADP
recent ADJ
advances NOUN
in ADP
generative ADJ
artificial ADJ
intelligence NOUN
. PUNCT
But CCONJ
to PART
embrace VERB
it PRON
responsibly ADV
, PUNCT
officials NOUN
think VERB
they PRON
first ADV
need VERB
to PART
take VERB
a DET
deep ADJ
dive NOUN
into ADP
the DET
specific ADJ
use NOUN
cases NOUN
and CCONJ
implications NOUN
of ADP
inserting VERB
the DET
rapidly ADV
- PUNCT
evolving VERB
technology NOUN
into ADP
defense NOUN
applications NOUN
. PUNCT
The DET
people NOUN
in ADP
charge NOUN
of ADP
that DET
effort NOUN
will AUX
be AUX
a DET
```

```
new ADJ
task NOUN
force NOUN
, PUNCT
which PRON
the DET
Defense PROPN
Department PROPN
announced VERB
Thursday PROPN
. PUNCT
Dubbed ADJ
“ PUNCT
Task PROPN
Force PROPN
Lima PROPN
, PUNCT
” PUNCT
the DET
group NOUN
will AUX
keep VERB
tabs NOUN
on ADP
generative ADJ
AI PROPN
implementation NOUN
across ADP
the DET
military ADJ
services NOUN
and CCONJ
Defense PROPN
agencies NOUN
, PUNCT
and CCONJ
also ADV
develop VERB
and CCONJ
recommend VERB
capabilities NOUN
of ADP
its PRON
own ADJ
, PUNCT
officials NOUN
said VERB
. PUNCT
“ PUNCT
The DET
establishment NOUN
of ADP
Task PROPN
Force PROPN
Lima PROPN
underlines VERB
the DET
Department PROPN
of ADP
Defense PROPN
```

```
’s PART
unwavering VERB
commitment NOUN
to ADP
leading VERB
the DET
charge NOUN
in ADP
AI PROPN
innovation NOUN
, PUNCT
” PUNCT
Deputy PROPN
Defense PROPN
Secretary PROPN
Kathleen PROPN
Hicks PROPN
said VERB
in ADP
a DET
statement NOUN
. PUNCT
“ PUNCT
As SCONJ
we PRON
navigate VERB
the DET
transformative ADJ
power NOUN
of ADP
generative ADJ
AI PROPN
, PUNCT
our PRON
focus NOUN
remains VERB
steadfast ADJ
on ADP
ensuring VERB
national ADJ
security NOUN
, PUNCT
minimizing VERB
risks NOUN
and CCONJ
responsibly ADV
integrating VERB
these DET
technologies NOUN
. PUNCT
The DET
future NOUN
of ADP
defense NOUN
is AUX
not PART
just ADV
about ADP
adopting VERB
cutting ADJ
```

```
- PUNCT
edge NOUN
technologies NOUN
, PUNCT
but CCONJ
doing VERB
so ADV
with ADP
foresight NOUN
, PUNCT
responsibility NOUN
and CCONJ
a DET
deep ADJ
understanding NOUN
of ADP
the DET
broader ADJ
implications NOUN
for ADP
our PRON
nation NOUN
. PUNCT
” PUNCT
The DET
Pentagon PROPN
announcement NOUN
did AUX
not PART
specify VERB
an DET
end NOUN
date NOUN
for ADP
the DET
task NOUN
force NOUN
’s PART
work NOUN
. PUNCT
The DET
new ADJ
group NOUN
will AUX
operate VERB
out ADP
of ADP
DoD PROPN
’s PART
existing VERB
Chief PROPN
Digital PROPN
and CCONJ
Artificial PROPN
Intelligence PROPN
Office PROPN
( PUNCT
CDAO PROPN
) PUNCT
, PUNCT
```

```
and CCONJ
will AUX
be AUX
led VERB
by ADP
Capt PROPN
. PUNCT
Xavier PROPN
Lugo PROPN
, PUNCT
a DET
member NOUN
of ADP
the DET
CDAO PROPN
’s PART
algorithmic ADJ
warfare NOUN
directorate NOUN
. PUNCT
Insight NOUN
by ADP
Emergent PROPN
360 NUM
: PUNCT
As SCONJ
their PRON
infrastructures NOUN
become VERB
increasingly ADV
complex ADJ
, PUNCT
federal ADJ
CISOs NOUN
look VERB
to ADP
automation NOUN
as ADP
a DET
critical ADJ
tool NOUN
in ADP
navigating VERB
the DET
onslaught NOUN
of ADP
threats NOUN
. PUNCT
In ADP
our PRON
exclusive ADJ
ebook NOUN
, PUNCT
CISOs NOUN
from ADP
ICE PROPN
, PUNCT
Labor PROPN
, PUNCT
NGA PROPN
```

```
and CCONJ
Pacific PROPN
Northwest PROPN
National PROPN
Lab PROPN
share NOUN
strategies NOUN
. PUNCT
The DET
rest NOUN
of ADP
the DET
task NOUN
force NOUN
will AUX
be AUX
made VERB
up ADP
of ADP
senior ADJ
officials NOUN
from ADP
the DET
Office PROPN
of ADP
the DET
Secretary PROPN
of ADP
Defense PROPN
— PUNCT
“ PUNCT
principal ADJ
staff NOUN
assistants NOUN
” PUNCT
— PUNCT
along ADP
with ADP
representatives NOUN
from ADP
the DET
Joint PROPN
Staff PROPN
, PUNCT
Defense PROPN
agencies NOUN
and CCONJ
the DET
military ADJ
services NOUN
, PUNCT
according VERB
to ADP
a DET
CDAO PROPN
blog NOUN
post NOUN
published VERB
Thursday PROPN
. PUNCT
```

```
Officials NOUN
said VERB
they PRON
also ADV
planned VERB
to PART
consult VERB
subject ADJ
matter NOUN
experts NOUN
from ADP
industry NOUN
and CCONJ
academia NOUN
. PUNCT
The DET
task NOUN
force NOUN
, PUNCT
however ADV
, PUNCT
is AUX
far ADV
from ADP
DoD PROPN
’s PART
first ADJ
foray NOUN
into ADP
generative ADJ
AI PROPN
— PUNCT
a DET
family NOUN
of ADP
technologies NOUN
that PRON
aims VERB
to PART
create VERB
new ADJ
content NOUN
by ADP
training VERB
algorithms NOUN
on ADP
massive ADJ
data NOUN
sets NOUN
. PUNCT
U.S. PROPN
Northern PROPN
Command PROPN
, PUNCT
for ADP
example NOUN
, PUNCT
has AUX
been AUX
experimenting VERB
```

```
with ADP
the DET
technology NOUN
as ADP
part NOUN
of ADP
its PRON
annual ADJ
Global PROPN
Information PROPN
Dominance PROPN
Exercises PROPN
. PUNCT
And CCONJ
just ADV
this DET
week NOUN
, PUNCT
the DET
Defense PROPN
Advanced PROPN
Research PROPN
Projects PROPN
Agency PROPN
announced VERB
a DET
new ADJ
competition NOUN
to PART
use VERB
generative ADJ
AI PROPN
to PART
find VERB
and CCONJ
fix VERB
vulnerabilities NOUN
in ADP
software NOUN
. PUNCT
But CCONJ
the DET
department NOUN
as ADP
a DET
whole NOUN
needs VERB
a DET
more ADV
integrated ADJ
and CCONJ
coherent ADJ
approach NOUN
to ADP
its PRON
adoption NOUN
of ADP
the DET
technology NOUN
, PUNCT
```

```
Lugo PROPN
said VERB
. PUNCT
“ PUNCT
The DET
services NOUN
and CCONJ
combatant NOUN
commands NOUN
are AUX
actively ADV
seeking VERB
to PART
leverage VERB
the DET
benefits NOUN
and CCONJ
manage VERB
the DET
risks NOUN
of ADP
generative ADJ
AI PROPN
capabilities NOUN
and CCONJ
large ADJ
language NOUN
models NOUN
across ADP
multiple ADJ
mission NOUN
areas NOUN
, PUNCT
including VERB
intelligence NOUN
, PUNCT
operational ADJ
planning NOUN
, PUNCT
programmatic NOUN
and CCONJ
business NOUN
processes NOUN
, PUNCT
” PUNCT
he PRON
said VERB
. PUNCT
“ PUNCT
By ADP
prioritizing VERB
efforts NOUN
, PUNCT
reducing VERB
duplication NOUN
and CCONJ
providing VERB
enabling VERB
AI PROPN
scaffolding NOUN
```

```
, PUNCT
Task PROPN
Force PROPN
Lima PROPN
will AUX
be AUX
able ADJ
to PART
shape VERB
the DET
effective ADJ
and CCONJ
responsible ADJ
implementation NOUN
of ADP
LLMs PROPN
throughout ADP
the DET
DoD. PROPN
” PUNCT
' PUNCT
```

In [69]:

```
propn = []
verb = []
noun = []
adj = []
adv = []

for token in text_proc:
    if token.pos_ == "PROPN":
         propn.append(token)
    if token.pos_ == "VERB":
         verb.append(token)
    if token.pos_ == "NOUN":
         noun.append(token)
    if token.pos_ == "ADJ":
         adj.append(token)
    if token.pos_ == "ADV":
         adv.append(token)

propn = ', '.join(str(x) for x in propn)
propn = nlp(propn)
words2 = [token.text
         for token in propn
         if not token.is_stop and not token.is_punct]
propn_freq = Counter(words2)
common_words2 = propn_freq.most_common(5)
common_words2
```

Out[69]:

```
[('Defense', 7), ('AI', 7), ('Task', 3), ('Force', 3), ('Lima', 3)]
```

In [71]:

```
verb = ', '.join(str(x) for x in verb)
verb = nlp(verb)
words3 = [token.text
         for token in verb
         if not token.is_stop and not token.is_punct]
verb_freq = Counter(words3)
common_words3 = verb_freq.most_common(5)
common_words3
```

Out[71]:
```
[('said', 5), ('announced', 2), ('wants', 1), ('start', 1), ('taking', 1)]
```

In [73]:
```
noun = ', '.join(str(x) for x in noun)
noun = nlp(noun)
words4 = [token.text
         for token in noun
         if not token.is_stop and not token.is_punct]
noun_freq = Counter(words4)
common_words4 = noun_freq.most_common(5)
common_words4
```

Out[73]:
```
[('task', 4),
 ('force', 4),
 ('officials', 3),
 ('technology', 3),
 ('services', 3)]
```

In [75]:
```
adj = ', '.join(str(x) for x in adj)
adj = nlp(adj)
words5 = [token.text
         for token in adj
         if not token.is_stop and not token.is_punct]
adj_freq = Counter(words5)
common_words5 = adj_freq.most_common(5)
common_words5
```

Out[75]:
```
[('generative', 6), ('new', 4), ('deep', 2), ('military', 2), ('recent', 1)]
```

In [77]:
```
adv = ', '.join(str(x) for x in adv)
adv = nlp(adv)
words6 = [token.text
         for token in adv
         if not token.is_stop and not token.is_punct]
noun_freq = Counter(words6)
common_words6 = noun_freq.most_common(5)
common_words6
```

Out[77]:
```
[('responsibly', 2),
 ('rapidly', 1),
 ('increasingly', 1),
 ('far', 1),
 ('actively', 1)]
```

In [80]:
```
#Find the subject object relationship
sent = 'The Pentagon wants to start taking advantage of recent advances in generative
sent_proc = nlp(sent)
sent_proc
```

Out[80]:
```
The Pentagon wants to start taking advantage of recent advances in generative artific
ial intelligence.
```

In [81]:
```
for nc in sent_proc.noun_chunks:
    print(nc.text)
```

```
The Pentagon
advantage
recent advances
generative artificial intelligence
```

In [88]:
```
#Show the most common entities and their types
for entity in text_proc.ents:
    print(entity, entity.label_)
```

```
Pentagon ORG
first ORDINAL
the Defense Department ORG
Thursday DATE
Defense ORG
Task Force ORG
the Department of Defense ORG
Defense ORG
Kathleen Hicks PERSON
AI ORG
Pentagon ORG
DoD ORG
Digital ORG
Artificial Intelligence Office ORG
Xavier Lugo PERSON
ICE ORG
Labor ORG
NGA ORG
Pacific Northwest National Lab ORG
the Office of the Secretary of Defense ORG
Thursday DATE
DoD ORG
first ORDINAL
U.S. Northern Command ORG
annual DATE
Global Information Dominance Exercises ORG
this week DATE
the Defense Advanced Research Projects Agency ORG
Lugo ORG
AI ORG
Task Force ORG
```

In [92]:
```
entity = [entity.text
         for entity in text_proc
         if not entity.is_stop and not entity.is_punct]
entity_freq = Counter(entity)
common_entity = entity_freq.most_common(10)
common_entity
```

Out[92]:
```
[('Defense', 7),
 ('AI', 7),
 ('generative', 6),
 ('said', 5),
 ('new', 4),
 ('task', 4),
 ('force', 4),
 ('officials', 3),
 ('technology', 3),
 ('Task', 3)]
```

In [95]:
```
#Find entity and their dependency
for chunk in text_proc.noun_chunks:
    print(chunk.text, chunk.root.head)
```

```
The Pentagon wants
advantage taking
recent advances of
generative artificial intelligence in
it embrace
officials think
they need
a deep dive take
the specific use cases into
implications cases
the rapidly-evolving technology inserting
defense applications into
The people be
charge in
that effort of
a new task force be
which announced
the Defense Department announced
“Task Force Lima Dubbed
the group keep
tabs keep
generative AI implementation on
the military services and Defense agencies across
capabilities recommend
officials said
The establishment underlines
Task Force Lima of
Defense of
the charge leading
AI innovation in
Deputy Defense Secretary Kathleen Hicks said
a statement in
we navigate
the transformative power navigate
generative AI of
our focus remains
national security ensuring
risks minimizing
these technologies integrating
The future is
defense of
cutting-edge technologies adopting
foresight with
responsibility foresight
a deep understanding responsibility
the broader implications of
our nation for
The Pentagon announcement specify
an end date specify
the task force’s work for
The new group operate
DoD’s existing Chief Digital of
Artificial Intelligence Office Digital
CDAO Office
Capt by
Xavier Lugo Lugo
a member Lugo
the CDAO’s algorithmic warfare directorate of
Emergent by
their infrastructures become
```

federal CISOs look
automation to
a critical tool as
the onslaught navigating
threats of
our exclusive ebook In
CISOs ebook
ICE from
Labor ICE
NGA Labor
Pacific Northwest National Lab share strategies NGA
The rest made
the task force of
senior officials of
the Office from
the Secretary of
Defense of
“principal staff assistants officials
representatives with
the Joint Staff from
Defense agencies Staff
the military services agencies
a CDAO blog post to
Officials said
they planned
subject matter experts consult
industry from
academia industry
The task force is
DoD’s first foray from
generative AI into
a family AI
technologies of
that aims
new content create
algorithms training
massive data sets on
U.S. Northern Command experimenting
example for
the technology with
part as
its annual Global Information Dominance Exercises of
the Defense Advanced Research Projects Agency announced
a new competition announced
generative AI use
vulnerabilities fix
software in
the department needs
a whole as
a more integrated and coherent approach needs
its adoption to
the technology of
Lugo said
The services and combatant commands seeking
the benefits leverage
the risks manage
generative AI capabilities of
large language models capabilities
multiple mission areas across
intelligence, operational planning, programmatic and business processes including

```
he said
efforts prioritizing
duplication reducing
AI scaffolding enabling
Task Force Lima scaffolding
the effective and responsible implementation shape
LLMs of
the DoD. throughout
```

In [96]:

```
#Find the most similar words
for sent in text_proc.sents:
    for token in sent:
        print(token, token.vector)
```

```
' [ 2.1733e+00  2.2656e+00  1.1688e+01 -3.2787e+00  1.1763e+01 -9.7600e+00
  2.5230e+00 -1.1697e+01  7.2704e-01 -2.4379e+00 -6.9862e+00 -2.5040e+00
 -1.4622e+00 -4.0871e+00 -6.1785e-01  9.7789e-01 -4.5285e+00 -5.1221e+00
  4.5783e+00  6.2972e+00 -5.4136e+00 -3.8485e+00 -2.9310e-02 -2.6265e+00
  4.7338e+00 -8.2440e-01 -1.5425e+00  7.2955e-01  8.2377e+00 -4.2375e+00
 -5.4036e-01  3.4023e+00 -2.4901e+00 -1.4921e-01 -2.2216e+00 -9.8379e+00
  1.1760e+00  1.4688e-02 -3.5771e+00  4.5071e+00  5.4274e-01 -1.4557e+00
 -1.0449e+01  6.6931e+00 -1.0691e+01  5.0823e+00 -1.1406e+01  8.4168e+00
 -8.0153e+00  1.6802e+01 -3.1358e+00  7.2749e-01  4.1660e+00 -1.2856e+00
 -7.1794e+00  1.3274e+00 -8.0823e+00  4.3844e+00  6.0382e+00 -2.5705e+00
  1.2759e+01 -4.3210e+00 -5.9366e+00  2.9909e+00  2.3447e+00  6.0190e-02
 -1.0101e+01  4.3474e+00  6.3865e+00 -1.6854e+00 -4.4518e+00  2.2733e+00
 -3.3861e+00  1.1455e+00 -2.7187e+00 -9.7291e+00  5.3425e+00 -7.4145e+00
 -2.5257e+00 -6.3116e+00  3.7776e+00 -4.1139e-01 -3.5930e+00  4.7490e-01
  3.2275e+00 -5.0096e-01 -3.6465e+00  3.5810e+00 -3.7647e+00  9.4262e+00
 -5.5438e+00 -1.0000e+01  5.5820e+00  1.1017e+01 -9.6709e+00 -4.3636e+00
 -3.2322e+00  3.8245e+00  8.2972e+00  3.7234e+00 -7.2792e+00 -8.3980e-01
  2.0788e+01  7.4247e+00 -3.9276e+00  6.8173e-01  3.3695e+00  5.7252e+00
 -4.6704e+00 -4.7251e+00 -1.0913e+01  3.8764e+00 -5.3065e+00 -4.2594e+00
  7.4149e+00  8.7149e-01 -1.6048e+00  4.9935e+00  1.2955e+00  1.3167e+00
 -8.9903e-01  4.3431e+00 -3.6419e-01  2.4429e+00 -2.2350e+00 -4.6108e+00
  1.8448e+00 -8.4342e+00 -4.6525e+00  5.2917e+00 -4.0561e+00 -2.7919e+00
  2.2975e-01 -7.6385e+00 -2.4856e+00 -1.4359e+00 -4.0793e+00 -4.1825e+00
 -1.0673e+00  5.9544e+00 -7.6838e-01  1.4030e+00 -1.1654e+01 -2.3653e+00
  2.7886e+00 -2.8053e+00  3.7448e+00  5.3599e+00  9.2280e+00  1.4659e+01
  4.1723e+00  3.8957e+00  3.1682e+00  9.3994e+00 -1.1902e+01  3.5229e+00
  1.7510e+00  8.9752e+00  1.7088e+00 -2.8045e+00 -3.7869e+00 -4.8135e-01
 -7.7233e+00  3.4532e+00  2.2408e+00 -1.1569e+00 -6.7752e+00  8.5179e-01
 -1.3710e+00 -1.4547e+00  6.2033e-01 -2.9890e+00  7.0487e+00  4.1470e+00
  4.5502e+00 -8.7825e-01  7.4248e+00  4.6544e+00  2.0048e+00 -4.0902e+00
 -4.8149e+00  6.1914e+00  2.1679e+00  1.3041e+00 -8.5953e-01 -3.5652e+00
 -1.3456e+01  2.7058e+00  7.7356e+00 -1.8858e+00  6.0519e+00  6.4595e+00
  2.6977e+00  1.0427e+01 -5.5403e-01 -8.1890e+00  5.4526e+00 -5.7510e-01
  7.1317e+00  3.7504e+00  1.7854e+00 -1.8102e+00 -1.0987e+00 -2.8572e+00
 -1.1337e+01 -1.8998e+00  6.1606e+00  1.1158e+00  1.4304e+00 -7.5638e+00
 -1.6331e+00  1.4822e+00 -2.4707e+00 -4.8585e+00 -8.7483e-01  8.8675e+00
 -1.2410e+01  6.3301e+00  5.2918e+00  8.7964e+00  4.4449e+00 -1.9861e+00
  6.2863e-01 -6.4592e-01 -8.2582e+00 -1.2249e+00  5.2927e+00  1.0232e+01
  9.3077e+00  6.3626e+00 -6.0870e+00 -5.2043e+00 -1.3369e+01 -5.9765e+00
  3.5048e+00  1.3987e+00  1.1288e+00  5.7131e+00 -8.8139e+00  1.6532e+00
  1.6568e+01 -2.8254e+00  1.0149e+00 -3.8926e+00  4.7697e-01 -5.4097e+00
 -1.0863e+01 -8.7071e+00 -1.2830e+01 -5.3529e+00 -3.1677e+00 -9.3625e+00
 -3.9396e+00  8.6821e+00  4.4132e+00 -1.0103e+01  4.8932e+00 -2.5471e+00
  8.3154e-01  4.6479e+00 -2.1071e+00  6.0926e+00  2.7302e+00 -4.8760e+00
  1.3685e+00  3.0325e+00 -6.8966e+00 -7.2913e+00  4.6340e+00 -5.0145e+00
  2.1431e+00  8.1502e+00  1.9595e+00  1.4260e+00 -2.7158e+00  3.2278e+00
 -3.2224e+00  2.6595e+00 -3.4143e+00  1.0837e+01 -7.2426e+00  7.9709e+00
  8.9716e-01  6.3933e+00 -8.6916e+00 -1.6411e+00  7.0030e+00 -1.9697e+00
  8.7993e+00  3.3014e+00  7.5854e+00 -7.1287e+00  8.3755e+00 -1.3418e+00
 -5.0081e+00  1.8062e+00  3.0551e-01 -1.0653e+01 -9.6309e+00  8.4872e+00]
The [-7.2681e+00 -8.5717e-01  5.8105e+00  1.9771e+00  8.8147e+00 -5.8579e+00
  3.7143e+00  3.5850e+00  4.7987e+00 -4.4251e+00  1.7461e+00 -3.7296e+00
 -5.1407e+00 -1.0792e+00 -2.5555e+00  3.0755e+00  5.0141e+00  5.8525e+00
  7.3378e+00 -2.7689e+00 -5.1641e+00 -1.9879e+00  2.9782e+00  2.1024e+00
  4.4306e+00  8.4355e-01 -6.8742e+00 -4.2949e+00 -1.7294e-01  3.6074e+00
  8.4379e-01  3.3419e-01 -4.8147e+00  3.5683e-02 -1.3721e+01 -4.6528e+00
 -1.4021e+00  4.8342e-01  1.2549e+00 -4.0644e+00  3.3278e+00 -2.1590e-01
 -5.1786e+00  3.5360e+00 -3.1575e+00 -3.5273e+00 -3.6753e+00  1.5863e+00
 -8.1594e+00 -3.4657e+00  1.5262e+00  4.8135e+00 -3.8428e+00 -3.9082e+00
  6.7549e-01 -3.5787e-01 -1.7806e+00  3.5284e+00 -5.1114e-02 -9.7150e-01
```

```
 -9.0553e-01 -1.5570e+00  1.2038e+00  4.7708e+00  9.8561e-01 -2.3186e+00
 -7.4899e+00 -9.5389e+00  8.5572e+00  2.7420e+00 -3.6270e+00  2.7456e+00
 -6.9574e+00 -1.7190e+00 -2.9145e+00  1.1838e+00  3.7864e+00  2.0413e+00
 -3.5808e+00  1.4319e+00  2.0528e-01 -7.0640e-01 -5.3556e+00 -2.5911e+00
  4.4922e+00  1.6574e+00  3.9794e+00 -4.3560e+00 -2.7266e+00  1.9581e+00
 -3.4842e+00 -3.9674e+00  3.2690e+00  6.6683e-01  3.9837e+00 -6.5997e+00
  4.1630e+00  8.0338e+00  3.8102e-01  8.2656e+00  9.7061e-01 -5.0807e+00
  4.9522e+00  7.5018e+00  3.8305e+00 -3.3233e+00  4.9126e+00  2.4189e-01
  3.8218e+00 -3.9717e+00  2.4691e+00  1.3721e+01 -8.9664e+00  1.0610e+01
  6.9425e-01 -1.1082e+01 -5.6883e+00  2.3287e+00  1.6451e+00  3.6006e+00
  1.2588e-01 -6.1956e+00  1.1455e+01  5.6682e+00 -5.0251e-01 -9.8515e-01
  8.8902e-02 -4.0213e+00  3.6134e+00 -9.0936e+00 -1.4555e+01 -2.5591e+00
  4.0959e+00 -3.5929e-01  1.0219e+00  3.9402e+00  8.0495e-01 -3.6023e+00
  2.6394e+00 -1.5258e-01 -2.6182e+00 -2.6268e-01 -2.1610e+00  2.3950e+00
  6.8842e+00  3.6034e+00  1.8058e+00  2.4528e+00  4.4088e+00 -1.0598e+00
  6.4964e+00  5.9196e+00 -1.0261e+00 -1.7013e+00 -4.4151e+00  4.3043e+00
 -1.7138e+00 -4.6690e+00 -5.5212e-01  5.3995e+00  1.8311e+00 -3.5820e-01
 -3.6578e-01 -2.8578e+00 -6.4639e+00 -3.2155e+00  6.7083e-01 -1.2800e+00
  1.2782e+00  7.8274e-01  1.9839e-01 -1.4163e+00  2.1184e+00  1.5021e+00
 -1.8212e+00  1.6629e+00  4.0354e+00 -4.4648e+00 -3.4897e+00 -2.5765e+00
 -3.6317e+00 -4.1619e-02  4.8660e-01  2.0712e+00 -1.9166e+00 -3.4045e+00
 -7.6609e+00 -2.1940e+00 -2.3919e-03  8.4900e-01  1.3921e+00 -5.7830e+00
  4.4739e+00  1.0642e+00  5.7864e+00  3.4643e+00 -5.9169e+00 -2.6925e+00
 -1.1271e-01 -6.0462e+00  3.9285e+00 -3.0423e+00 -6.9939e-02  2.2826e-01
  8.0214e+00  2.2098e+00 -1.1049e+01  7.6001e-02 -1.5970e+00  2.0524e-01
  2.8063e+00  3.5245e+00 -3.9300e+00 -9.7995e-01  4.0248e+00  1.8447e+00
 -2.0452e+00  1.1419e+00 -4.4600e-01 -9.5551e-01 -1.0224e+00  5.9224e+00
 -6.1688e+00 -8.3840e-01 -7.9102e+00 -8.9575e-02 -2.7741e-01  4.2703e+00
  4.0212e+00 -1.1166e-01  2.5119e+00 -5.9635e+00 -1.2320e+00  2.8199e-01
 -4.1062e+00 -6.2923e-01 -5.2420e-01  2.5213e+00 -3.5094e+00  6.4333e+00
  7.9466e+00 -3.3883e+00  5.2535e+00  9.4524e-02 -3.3336e+00  5.9621e+00
 -1.0794e+00 -6.0850e+00 -3.6071e+00 -3.8496e-01  7.6137e+00 -9.1081e+00
 -6.0037e+00 -2.4735e+00 -6.5050e-01 -6.3021e+00  8.5783e+00  1.7250e-01
  4.3631e+00 -9.3439e+00  2.0984e-01  7.6900e-01  1.0763e+01  4.4598e-01
 -3.6584e+00 -3.0992e+00 -3.8868e+00  4.3337e+00 -5.8037e+00 -1.1337e+00
 -6.1562e+00  3.1820e-01 -1.0612e+00 -1.4809e+00  6.0373e+00  4.6015e-01
 -1.5530e+00 -1.0562e+00  5.8618e-01  3.4431e+00  4.5542e+00 -3.1881e+00
 -1.5832e+00  3.0859e+00  1.3061e+00 -8.0091e+00  7.7996e+00 -5.0644e+00
  8.8719e+00  7.2337e-01 -1.2350e+00  1.6209e+00  7.8994e+00  1.0741e+01
  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
Pentagon [ 0.52443    0.79593   -2.2165     2.0155     2.0869    -0.12252
 -2.5591     0.43598   -0.86966   -0.12636   -0.35965   -0.87065
 -0.76145   -0.98609   -0.4602     0.78041    2.742     -0.66709
  0.19822    3.0889     1.1789    -1.184      1.2673    -1.6168
  0.70917   -0.1975    -0.462     -1.1242    -1.0885     0.35405
 -0.056288   0.84151    2.8228     0.50865   -2.0864    -1.5141
 -1.2518     0.63496    2.8413     2.8834     0.33711    0.073629
 -1.2383    -0.62303   -0.44672   -2.2386     0.3982    -1.6078
  0.88977    2.6935    -0.70111    0.69102    1.9652    -3.4395
 -0.12878    0.29642   -1.8982    -0.5467    -0.55189    0.54335
  0.2598     0.92117   -0.5939    -0.30011    2.1279    -0.2426
 -1.5942    -1.5893    -1.6967     3.3089    -0.66933    0.80957
  0.33524    0.73478    1.2229     2.025      1.8258     0.73079
 -0.15618   -1.5131    -0.99093   -2.5667    -2.0229     3.4268
  2.4865    -1.8452    -0.2867    -0.024349   0.63084   -0.57988
 -0.99632    0.8302     2.1633     2.0045     4.237     -0.79556
  1.1667     1.6904     0.78709    1.3119    -0.35972    1.1268
  1.6793    -0.14541   -1.5589     0.76895   -0.62482    0.20113
 -0.23124   -1.3086     1.3977    -0.97293    1.8329    -0.51954
 -1.2957     0.78436   -1.7841    -1.159     -1.5448     1.339
```

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  1.4021    -4.4592     3.6555    -1.8197     2.121     -1.5274
  2.5059     1.6276    -1.4977     0.32597   -3.6384    -1.5931
  0.78714   -2.2293    -1.1005     0.45554    0.013057   0.61424
  1.7632    -0.10157   -1.5074    -1.6073    -0.99308   -0.71961
  0.51202    1.9601    -4.1721     2.6278    -1.3458    -1.8317
 -2.0582    -0.66042   -3.4645     1.0956    -1.4123     0.0073083
  1.1225    -2.0737     0.48774    0.16384    0.52972   -2.0692
 -0.71954   -1.8107    -1.001      1.4949    -1.0661     0.37295
  3.1596     0.59261   -1.4723     0.23279    0.44529    0.45866
 -1.569      1.4237     0.71452   -2.2939    -1.7038     0.5961
 -0.75206    3.6732    -1.9044     3.4925     1.959     -0.73524
 -0.044708   1.5317     2.5496    -1.2991     3.7382    -0.44475
 -0.72421    1.2578    -2.6066     3.2682    -0.48535    0.82384
 -1.8108     2.6049    -0.67909    0.54862   -1.1485    -0.75129
  1.5249     2.6948     1.4222    -0.063914  -1.7914     0.44538
 -1.9689    -0.71383   -0.94419    1.867     -0.021112   0.093196
  2.6849     0.18679    1.0886    -1.3612     0.63158   -1.0121
 -1.2911    -1.2884    -1.2941     0.97383    1.8609     2.8025
 -2.8932    -1.2564     3.1986    -2.2971    -2.3289     1.7803
 -0.42011   -1.3658    -0.62678    0.042925   0.079371   2.5747
  1.9593    -0.84149    3.9142    -1.0977    -2.1406     1.9141
  1.5403    -1.3535    -0.77566    1.9648     3.2984    -3.6057
 -1.7667    -2.6369    -1.8183     1.2174     1.2095    -2.6886
  0.33094    0.2321    -1.7574     1.8337     0.33417    2.4968
 -2.811     -1.1617    -0.57695    3.5224    -1.2206    -0.75837
 -3.4895     1.7614    -1.5328    -0.41902    0.81271    0.014599
 -1.0709    -2.0529    -1.5466     1.995      0.38452   -1.9365
  0.25781    0.24731   -0.53724    0.45851    0.94217    1.7329
  0.097648   1.661      0.96245    0.47079    1.0751    -0.21693
 -1.9512     1.4885     2.317     -1.1123    -0.91343    0.77644  ]
wants [ 6.2616    6.397    -3.9539   -1.0873    1.8331    3.5898    1.4314
  2.0224    0.81299  -2.1632    6.8652    0.35765  -4.4621    5.1638
  2.2504   -0.97947   1.1265   -2.756     1.4986   -1.9108    0.80708
 -1.5718    0.14043  -2.7771   -1.4322    0.27473   2.5731    1.5469
  1.4687   -0.22125   3.1436   -3.095     2.6554   -2.3898    1.2203
  1.2835    1.9204   -0.22515  -0.49406   2.2405   -5.95      0.38556
  3.8818   -3.7374   -3.6885    2.679     4.6244   -6.0782   -0.076796
  2.9464    0.43397  -0.82867   3.7759   -1.63      1.0768   -2.0066
 -0.52331  -1.3217    2.5687    3.0586    7.8713   -2.2303    1.0518
 -2.9142    2.2624    2.1165   -2.6214   -5.4931    0.75416  -3.1183
  1.4761   -0.84965  -1.614    -4.1048   -0.4021    1.9194   -2.6233
  4.4074    0.13253  -4.0647   -2.9342   -4.6231    0.71876   9.8696
 -5.379    -1.9237   -0.22425  -4.7408    0.19799  -1.9426    0.5747
  2.8988   -4.884    -5.8218    6.0135   -1.8217   -3.1061   -1.6044
  1.818    -3.6768    2.8983    0.46271   1.9477    4.6569   -1.8251
  1.6887   -1.851    -2.1262   -2.4703    1.6159    3.2996   -2.2023
  2.8911   -4.1997    0.14327   1.4015    0.1003   -2.025     1.6382
  1.3539   -3.138     0.84731  -3.4459   -0.094286  0.036764 -2.9131
  3.6053    1.2472    1.2552   -2.6072   -1.1836   -7.2566    2.8967
 -6.6063   -2.8452   -3.8864   -2.6769   -1.1521    2.8517   -0.69874
 -7.4321   -2.334     2.9583    1.6116   -1.5851   -1.1976   -4.1046
  5.2732   -0.42835  -2.5263   -2.2989    2.4183    4.1719   -3.8648
 -1.1546   -2.2966    5.1239   -1.0555   -5.4943   -1.4917    0.27288
 -1.0213   -5.5319    0.91943  -0.79264   1.1507    1.7026    3.264
 -2.9814   -4.1295    2.3569   -3.8645    7.5999    2.2137    2.3236
 -3.2088    0.22529   2.9011   -0.42869  -5.3872    1.7288    6.3872
  3.9248   -3.8085   -2.644     0.054694  2.1734   -1.5728    0.46389
 -0.43462   0.61683   0.67774  -1.2798   -3.121    -1.6735   -3.6057
 -1.1383    0.53672  -0.20736   0.54826   0.69754  -7.0215    0.06947
 -4.0417   -1.7688    1.9827    0.9418   -0.92546  -1.1418   -2.9389
```

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  4.6178   -0.86853  -0.25584   0.60177   4.1246    1.5515   -1.4418
 -0.48914  -1.5883    0.43364  -0.62222  -3.3538    1.188    -0.90852
  2.5636    0.01046   0.62297   1.5692    1.1207    2.5993   -1.8211
 -0.71378  -2.2739   -4.3371   -1.7547   -0.22456  -0.082126 -1.1951
  3.7005    1.8938   -0.38331   0.52882   2.797    -2.3065    0.98058
  1.783    -4.8241   -2.946     1.3711    3.6622    2.1069   -3.2498
  1.1132    0.58774   3.5114   -3.1414    3.3629   -2.6469    1.4371
 -0.2802   -1.79      0.60791  -2.1555    2.073     0.9881    3.5085
  4.4826   -6.2945   -4.2122    1.1639   -0.9563    2.3747    1.012
  0.51677   1.1019   -2.3714    5.9489   -2.5565   -2.2198    6.0353
 -5.3902   -0.93694  -2.0786   -0.18948   2.8087    1.2534    2.7715
  6.0125   -4.5715   -3.3166   -1.6766    1.5636   -2.7996   -3.1921
  1.9144   -3.2264   -4.5429    4.2615   -4.2276    1.1784  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
```

```
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
start [-5.5545e-01  3.0994e+00 -1.5290e+00  1.2753e+00  1.5262e+00 -1.1766e-01
  1.6903e+00  2.5237e+00  2.0669e-01  5.3740e+00  3.0657e+00  3.0177e+00
 -9.4585e+00  3.0797e+00  3.6470e+00  1.1095e+00  3.8147e+00  1.8017e-01
  2.0107e+00  1.4890e-02  4.3951e+00  1.7283e+00 -5.1412e-01 -1.4118e+00
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  1.5379e+00  4.6704e+00 -1.1139e+00  1.6996e+00 -1.0111e+01  1.2353e+00
 -2.7961e+00 -1.7989e+00 -1.5428e+00 -2.0276e+00 -4.1471e-01 -2.0270e+00
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 -2.2783e+00  4.4722e+00  3.9071e+00  1.2327e+00 -3.1854e-01  1.1724e+00
  1.5560e-01 -3.9017e+00  3.2987e+00  3.9134e+00 -3.4183e+00  8.5033e-01
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 -3.0687e+00  2.1497e+00  4.6217e-01 -9.3230e-01 -2.9904e+00  4.0618e+00
 -6.2943e+00  4.3317e-01 -2.1823e-01  2.0563e+00  3.3816e+00 -5.6055e-03
  4.1238e-01  8.9962e+00  1.5213e-01  3.8925e+00 -6.9464e-01  2.7280e+00
  5.6489e+00 -3.8147e+00 -5.6729e+00  3.1007e+00 -5.4476e+00 -3.8925e+00
  3.1609e+00 -2.5770e+00  1.1816e+00 -3.0291e+00  4.7617e+00 -1.9438e+00
  1.3906e-01 -2.1244e+00  5.4963e-01  5.9859e-01  6.6451e-01  5.5458e+00
  8.8738e-01 -1.5860e+00 -9.8906e-01  9.1261e-01  8.2485e-01 -4.5455e+00
 -7.0942e+00 -2.1181e+00  5.3314e+00 -1.4424e-01 -5.5556e+00 -3.2728e-01
 -4.0739e+00 -2.1580e+00  3.4483e+00  2.3095e-01  1.2328e+00  1.8229e+00]
taking [ 3.3667   -4.2011   -4.0966   -2.6492    1.5651    0.33025   0.63153
  2.6308    0.055706 -0.70865   6.3494    6.4466   -8.4526    3.575
  4.3542    0.11707   3.1141   -3.6206    0.27838   3.353     1.6224
  0.12238   1.1118    1.8083   -1.1199   -3.6105   -0.76366  -1.905
  2.3853   -3.3425    3.7703   -2.4033    2.2558   -4.58      0.085523
 -2.6816    2.4209    0.62396   4.0324   -0.18865  -4.8636    0.95252
  3.3335   -2.138    -1.5811    1.6627    3.5687   -3.743     2.8204
```

```
 4.7705    4.8129    7.3694   -2.6887   -4.7143   -0.56446   2.1589
-1.2181    3.8181    1.7677   -1.498     3.3322   -4.2472    1.4738
-4.0431    6.2275   -0.28999  -5.6232   -2.7207    1.5074    3.3487
 0.52464  -3.1437   -1.642     0.8142    0.16771   0.76587  -1.3514
 0.90363  -4.3588   -1.1965   -9.722     2.4422   -2.2907    3.578
 1.8411   -0.1077   -1.5321   -2.7516    0.38785   1.7318   -2.7557
 4.061    -0.33556  -5.813    -4.4043   -0.78151   0.43188  -5.5363
 2.1388    2.8289    2.9399   -0.029572  7.3682    4.3376   -0.77202
 3.4926   -5.4442   -2.844    -2.325    -3.824     2.4108    0.82559
-2.3416   -1.8229    0.71866   5.1216    0.31201  -0.17756   0.8647
 1.0702   -2.9978   -5.5295    0.52063   0.52444   0.25118  -1.9437
 0.83952  -1.6085    4.3539   -0.7934   -0.44913  -1.0516    3.9748
-2.774    -1.0849   -0.17969  -1.9488   -0.88051   8.8754   -3.4293
 0.2829    1.0097    1.34      1.0244   -0.86803   2.0539   -6.837
-4.0693    0.24612  -0.6343   -3.5427    0.53101   3.7999    6.5312
-3.562     2.1549    4.075     2.7353    1.4287   -5.2841   -0.62312
-1.5627   -0.78316   1.3648    0.75861   1.6776    0.28026   0.13579
-1.9723    2.8893    1.2302    2.3744    3.1543   -2.4798    0.57916
 1.1088   -1.824     0.6107   -1.311    -3.2521    3.0857   -3.2372
 5.8879    0.7013   -4.9482    4.75     -3.718     3.0704   -0.86547
-2.392    -1.2359    0.08442  -2.6468   -3.6455   -0.3277   -5.0596
-4.7248   -2.1633   -1.0121    1.1059   -1.3345    1.5888    0.2178
-5.1189   -1.9136   -0.747    -5.0267    0.32733   1.6545    4.7406
-0.90703   0.95603  -4.0913    0.30056  -3.3941   -3.1811    2.3131
-2.5296    0.38816  -1.2998   -4.6617    1.817     0.80416   1.9629
-3.4663    2.0254    3.4363    1.5778    0.033289  5.2841    4.0084
 0.27991   4.1122    4.0515   -2.5649    3.3006   -1.5311    3.7122
-5.6402    0.15001  -0.30155   3.161    -2.2497    2.9401   -2.1347
-0.70098  -6.0016    0.67761  -2.1789    1.2034    1.6632   -4.5896
-3.4692    0.049449 -2.3044   -3.25      3.7624   -1.5702   -1.183
 5.5111   -3.8693    3.6934    4.3551    1.9914    3.7373   -0.63599
-4.0676    2.6257   -1.6072   -1.0009    0.12935  -1.7427    6.2936
-3.5543    4.2525   -1.0354    0.19502   0.053776  4.8215    5.4805
 0.62534   0.65932   0.80546  -2.0878    0.18084   2.5777   -0.63962
 0.21471  -6.079    -2.8746   -2.6071    5.985    -2.0935   -4.0339
-1.9554    1.4175   -0.080755 -3.2579    0.37883   0.57846 ]
advantage [-4.2056    0.96354  -0.44646   4.1726    3.6282    5.4222   -1.5206
 4.5367   -5.3592    1.2302    6.8868    0.11107  -3.56     -0.13111
-0.71645   7.2168    4.1766    0.92102   1.6093   -0.057701 -1.86
 1.6783   -2.9205   -4.2658   -2.2601    0.39416  -2.2088   -3.3382
 2.0076    5.0017    4.6125    0.077053  0.80369  -1.0103    0.50966
 1.7707    0.53986   4.2158    2.4847    1.8595   -1.0786    2.6408
 0.27963   2.0082   -3.7311    3.6768    3.8165   -2.5572    0.51171
-1.1224    0.36876  -2.054    -1.846    -5.5909    0.58101  -0.32278
-1.3137    2.3173    4.9787   -0.1956   -0.68827   2.4582   -3.316
-3.6349    1.1423    2.8533   -2.245    -4.4758    2.3916    1.2352
 0.6875   -0.67989  -1.0278    0.80866  -0.35936   0.66799  -0.31368
 0.62983  -2.1218   -0.018082 -3.8726   -2.9765    1.8658   -0.75516
-0.96988  -0.44404  -0.88669  -2.8811    0.96934  -1.3021   -0.56603
 0.9324    3.3088   -3.6238    1.2596   -1.766     0.2171   -2.7788
 1.1741    2.1929    3.7253    0.62276   3.2065    1.8476    0.95259
 4.3217   -0.614    -1.1325   -1.6925   -3.0336    4.0655   -2.3651
-1.8934   -1.668     2.6034    1.6815   -2.5676   -1.1865    2.3963
-1.2869   -1.0457   -0.84058  -3.1162    0.23176  -1.1173    1.004
-0.2687   -3.4615    0.44009   0.041672 -1.4675   -0.87675   5.7571
-0.43643  -0.79914  -2.6933   -1.1879    1.651     1.9772   -0.12217
 0.16637   2.2567   -1.3142   -0.013556  1.3664   -0.87854  -5.2356
-0.66805   0.17582   3.4481    1.4303    1.5111    1.5505    1.9418
-0.61908   0.95633   3.5722   -0.97505  -1.3894   -0.17618  -3.7734
-0.3375    3.273     0.55497  -1.8164   -2.4749   -3.8417   -0.084138
```

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  0.39383  -1.505     0.3346   -0.45554  -1.3694    2.5854    1.7238
  1.8894    0.076539 -0.1241    0.419    -3.6891    0.44902   3.0821
  4.737    -1.1923   -0.73152  -0.34489  -1.0926   -2.8826    1.5965
  5.9142    1.3592   -2.395     1.0948   -5.3174    1.2569   -2.5035
 -1.9092   -1.6348   -2.4233   -1.6665   -1.5726    0.18263  -2.3362
 -4.6988    2.2258    0.39977  -2.8089    2.6721    1.5736    1.3812
 -1.6504    0.31209  -2.3248    0.91684   0.68466   3.9658    4.0063
 -4.8063   -3.6199    0.95981   0.11085  -0.7069    0.79409  -1.5259
  0.97     -4.7167   -0.94568   2.9004    0.78711  -1.4805    1.3529
 -1.7732   -1.1673    1.2444    1.3249    0.24174   0.48547  -0.49967
  0.79093  -0.58599  -2.2825   -1.1083    0.15594   0.15532  -0.35694
  0.72859   0.34608   1.2946   -0.87379  -0.59466  -0.49567  -1.6659
 -3.9545   -0.1782    2.1189   -6.8885    0.026528  0.47267   1.4859
  2.4289   -0.029495  0.57919   1.2442    0.1251    0.71431  -0.77544
 -0.53     -1.7894   -1.9645    1.8355    0.72716  -0.19681   0.9652
  1.0335    2.0054   -4.5862    2.5411   -3.5003   -1.2893    1.579
  2.2995   -0.20729   0.44375  -0.29506   2.0583   -0.61093   0.33585
  3.3969   -3.1442    2.0944    0.99072  -4.2037    2.8259    4.0548
 -0.019686  2.2342    1.2504    0.21511  -1.7289    0.068511]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
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 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
recent [ 2.1167   -2.1375    1.9988    3.5616    7.7044   -3.8651    5.8976
  5.6635    2.3923   -4.009     4.7859    1.9575   -6.5404   -3.4819
  3.023     5.3411    5.3471   -1.7485   -1.9122    4.7197   -0.20004
 -0.33737  -0.82956  -4.9526   -0.48156   0.21171  -2.6087   -0.15755
  4.0926   -2.8728    4.3213    6.7927    2.6952   -1.5688   -2.7907
 -4.6336   -4.489     5.5703    3.9576    0.8576    0.67555  -0.43289
 -1.1555   -2.2387    1.1096   -1.0563    1.3221    2.2167    0.59312
  7.0307   -2.7572    0.40217  -1.6051   -2.4514    0.21899   0.78444
 -0.82942   2.609     4.2441   -1.9663    0.32254   3.145     2.1985
 -0.50054   3.1434    2.0098   -1.5746    2.5042    3.0622   -0.53726
  1.1325   -0.63357   0.77935  -0.80908  -5.0018    6.9514   -1.6582
  2.1125   -2.1571    0.91626  -1.0467    2.0494   -2.8586   -0.66303
  6.8541    0.1488    0.74101  -3.0001   -2.7828    0.48714  -3.0016
 -0.53447   1.0256   -1.0789   -3.9597   -1.5632    1.828    -2.9311
  4.4767    5.1096    3.6367    0.53869  -1.2091    4.1435    0.30103
  5.6747    2.3617   -0.29065   4.5577   -3.0848   -1.1165    4.8091
  1.9914   -3.3414    5.2005    1.5984   -2.3382   -0.15838  -0.2314
  3.437     0.86335  -2.5425    2.4101    2.0879    3.2711   -5.6083
 -2.9363    0.69667   1.3807   -5.4446    0.22676  -2.6568    2.5944
 -1.6019   -2.0165   -1.1499    0.64819  -3.874     4.9784   -0.57729
  1.5321   -4.5204    0.53707  -1.0606   -5.2988    1.4582   -5.1115
 -0.33487   0.90953  -0.89116  -0.80307   1.1678    3.2912    0.7317
 -2.7359   -2.5083    0.91041   1.2352   -0.73297  -2.6815   -2.1729
  0.21139   1.2331    6.7541   -4.6348    1.6518   -0.76675  -0.08569
 -0.98206   0.28159   0.94504   2.3931    0.92757  -1.0482   -0.67925
  0.95572  -1.2365    0.12398  -0.33144   3.041    -0.99636   0.26092
  2.2676    4.5963    0.3682    0.093511 -1.9952    1.8089    0.49995
  1.9959   -2.4897   -1.948     5.167     1.3019   -0.33146   2.9303
 -4.0784    1.7717   -2.8384    4.4775   -6.548    -3.2602    1.7454
 -3.2051    9.5609    5.7041   -0.97996   5.4758    3.76     -3.3159
  0.14275   1.9438   -0.39181   1.6895    4.5976   -0.51131   4.3157
 -2.669    -2.8223   -0.10224  -1.8071    3.4364    0.34179   2.676
 -8.7646    0.65504  -1.7557    1.2695    1.088     3.9276    7.365
 -1.1035   -5.0527    3.6578    3.8159    5.3162   -1.0724    0.8644
  1.3757    0.27533  -3.3958   -5.6079    4.9702    3.4993   -1.8269
  3.2892    2.2055   -1.18     -3.574     1.9045    2.519    -4.4154
 -3.7592   -1.1372   -0.39752  -0.98696   0.75275  -0.98848  -0.49332
  3.3109    0.26331  -0.28886   4.2352    3.1634    3.1043    1.7294
  0.9899    3.9429   -2.4543    0.34021  -4.7866    0.87339   5.5354
 -4.3442   -2.0069   -1.6574    0.4015   -4.9619   -1.57     -1.6978
  4.944    -0.55758  -2.7013   -2.2413   -1.3513   -1.3522    1.4611
  0.44287   1.1711   -0.28795   2.9741   -4.1907    0.11433   2.2822
  1.3965   -0.73608   3.6936   -3.2514   -4.9393   -1.1831  ]
advances [-1.8068    0.40168   0.84894  -1.4464    4.392     2.0621    0.72404
  6.4002   -2.0685    1.3747    5.3855    1.8975   -4.0225    0.31171
  2.465     5.0401    3.7824    2.994    -3.6746   -1.8062    2.7918
 -0.43465  -4.6613   -0.68857  -2.3174   -2.9997   -2.8129   -4.5214
  2.8682    0.55421   2.0089   -2.894     1.1344   -0.37448  -2.0551
 -1.2135    2.1159    1.3803    2.568     0.78393   0.30492   3.2462
 -1.4525   -0.84428  -1.9107    2.2312    0.1398   -1.4246    1.6025
  0.43909  -1.7198    1.6968   -0.24652  -4.2937   -1.4083   -0.9101
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 0.6288    0.4101    1.6529    0.35759   1.4921    4.0288   -4.8079
-2.7651    6.1721    2.2656   -0.26563  -3.9608    0.80886   1.0259
 1.9326    1.5342   -1.441     0.088644 -3.9831    5.1788   -4.8874
 3.3127   -0.7165    0.95597  -3.0612   -1.561     0.3614    3.433
 0.42175  -0.27409  -3.5024   -2.3011    2.9239    1.4398   -0.17147
 3.2868    2.0888   -3.336    -0.75922  -0.38383  -0.53015  -0.4063
 1.2265    3.6579    2.3028   -3.0686    3.1607    2.0935   -2.6478
 3.7402    2.0603   -4.5602   -2.2672   -2.6551    1.2149   -1.279
-1.7695   -0.49965   2.3777    1.5244   -2.3482    0.7317   -1.0389
-1.1628   -3.5118   -4.6666    0.9158   -2.6515    0.17933   1.5734
-2.0195   -4.936     3.2496   -4.7145   -3.8505   -1.0507    3.9071
 1.6885    1.543    -2.2328   -2.6731    0.58391   2.7293    0.57644
-1.0198   -0.07943  -0.065456 -1.9129    1.7729    0.30396  -6.316
-2.518     2.6246    2.2697    1.1534    0.67094   3.1799    4.6287
-2.2056    0.75975   3.6345   -2.9748   -3.5911   -2.8147   -5.0538
 2.2176    1.4424    0.801    -2.9632   -1.5297   -6.4407    3.3581
-0.1365    1.3257   -1.964     1.6796    1.2913   -1.8065    1.8807
-0.68004  -2.1188   -0.98575  -0.90923  -4.3756   -1.542     1.3765
 3.4974   -3.2505   -3.0271    2.0986   -3.0641   -2.4025    0.62536
 3.1706    0.43492  -0.22239   1.7754   -3.1766    2.275    -3.1213
 0.34144  -2.3197   -1.9233    1.1458   -3.4836   -2.2949   -2.9341
-0.69045   4.5571    0.86756  -2.2408    0.36451   1.1645   -1.4079
 1.616     1.2011   -2.4478    1.7321    1.8377    4.3684    2.5734
-1.2839   -1.0948    0.18619   1.204     0.20128   1.9137   -1.1589
-1.5879   -0.97317  -0.29058   0.25342  -0.20658  -1.1899    4.8386
-4.9278   -1.4795    3.656     4.5496    1.9541    0.74593  -0.35916
 0.42314  -0.49032  -4.3792   -1.0965   -0.34249   1.4435    3.2501
-1.6716   -0.51493   0.72412   0.56113   1.3873   -1.6693   -0.58329
-3.3044   -2.5427   -1.8308   -0.45129   2.7351   -0.29029   0.28506
 2.7571   -1.0214    1.3995    5.5398    2.0475    1.7535   -2.2126
-1.8305    0.095144 -1.4047    1.9169   -1.7905    0.38609   2.8741
 0.93574   2.9189   -3.0264    1.5934   -6.422    -0.23694   0.50272
 3.5503   -0.8179   -1.0281   -2.104     1.1281    0.50378   0.57726
 2.4829   -4.8389    0.86034   3.8729   -2.4155   -1.5288   -1.8815
-2.2379   -0.61869   1.4568   -2.7825    0.093549  1.6013  ]
in [-3.7766e+00  6.9426e-01 -3.3805e+00  2.7050e+00  8.6019e+00  2.8878e+00
 -4.6254e+00  9.0990e+00  1.1907e+01 -1.3739e+00  9.5450e+00  1.9530e+00
 -1.9000e+00  8.5669e+00  2.8928e+00  4.8758e+00 -1.2887e+01  1.9720e+00
  3.8513e+00 -3.3540e+00  5.9163e+00  1.7272e-02 -1.0303e+01  1.0167e+01
  6.3080e-02  1.7523e+00 -6.9164e+00  6.4488e+00 -4.1364e+00  1.0931e+01
  4.3396e+00 -3.5339e+00 -7.9226e+00 -6.3873e+00 -1.5154e+01  4.1926e-01
 -1.1617e+01 -2.2857e+00 -9.2245e+00 -6.4154e+00  8.9911e-01  3.5330e+00
  9.6033e+00 -1.9171e+00  2.7537e+00  1.1700e+01 -5.0130e+00 -3.9815e+00
  4.0893e+00  7.2046e-01 -8.1944e+00 -1.7456e+00 -3.0278e+00 -1.0150e+01
  7.9206e-01  7.9850e+00 -3.2232e+00 -3.7988e+00  5.6403e-01 -4.2275e-01
 -2.1077e+01 -1.5553e+01  8.2781e+00  2.8786e+00  3.3721e+00  4.4616e+00
  8.8803e-02 -1.7856e+00  4.8491e-02  3.3236e+00 -9.9941e+00 -5.2387e+00
 -5.6858e+00  5.1708e+00  8.8262e+00  3.9100e+00  1.1032e+00  1.2414e+01
 -9.1521e+00  9.6854e-01 -3.8445e+00  8.7535e+00  2.8965e+00 -2.6540e+00
  1.2772e+01 -3.3564e+00 -1.2363e+01  7.9658e-01 -8.1607e-01 -6.0703e+00
 -6.1291e+00 -3.0092e+00  6.5350e+00 -4.7751e+00 -8.9456e-03 -2.2075e+00
 -1.0376e+00 -3.6740e+00 -2.7350e+00  1.0487e+01  5.8884e+00  7.7475e+00
  7.6607e+00  7.8970e+00  3.8282e+00  4.9817e+00  8.8947e+00 -6.3687e+00
  2.1737e+00 -1.2384e+01 -2.8605e+00  5.0267e+00 -8.3735e+00  4.2114e+00
  6.4405e+00  5.9427e-01 -2.2205e-03  9.1555e+00  3.5659e+00 -4.7187e+00
  6.0493e+00 -4.1783e+00 -2.0241e-01  3.0437e+00  8.6808e-01 -5.3196e+00
 -4.3244e+00 -6.3313e+00  1.1503e+00 -8.2564e+00 -1.3343e+00  3.6386e-01
  1.7420e+00  2.8652e+00  4.8100e+00  1.6264e+00 -6.1047e+00  3.5232e+00
 -6.3351e+00 -1.0964e+00  3.0366e-02 -3.2538e+00 -1.2125e+00 -8.5521e-01
  4.3126e+00  7.4029e+00 -6.7833e+00 -2.2113e+00  8.5914e+00  4.6793e+00
```

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 -1.8422e+00  6.2645e+00 -6.3174e+00  1.2012e+00 -1.8615e-02 -7.9217e+00
 -1.3949e+00  8.3972e+00  1.0091e+00  7.6192e+00 -2.0991e+00  6.6297e+00
 -5.7672e-01  3.1135e-01 -8.6338e-01 -1.0488e+00 -1.2367e+01 -2.1083e+00
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 -3.9265e+00  8.6099e+00 -9.2774e+00 -6.2257e+00  6.8580e-01 -7.8229e+00
  3.4366e+00 -1.5896e+01 -5.6139e+00  9.4640e+00 -5.1175e+00  2.8828e+00
  2.1975e-01  1.4633e+00  1.0594e+00  3.2202e+00  4.7848e+00 -8.2288e+00
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  1.2522e+01  5.0874e+00  2.6538e+00  5.8051e+00  4.1010e+00  7.2983e+00
 -4.1593e+00  2.1391e+00 -8.6043e-01 -8.7323e-01 -4.9098e+00  2.8241e+00
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  4.6677e+00  9.1870e+00  1.9519e+01  1.3338e+01  7.5811e+00  7.8355e+00
  1.8013e+00  1.3866e+01 -3.7217e+00 -9.5668e+00 -8.0528e+00 -9.1988e+00
 -9.8586e+00  2.6363e+00 -1.7681e+00  1.2248e+00 -1.1669e+01  4.2965e+00
 -1.1702e+00  6.1215e+00 -5.5397e+00  7.6777e+00  1.2060e+01  1.8072e+00
 -1.1351e+01  7.2805e+00  5.0560e+00  1.3576e+00  8.7064e+00 -2.3739e+00
 -1.2883e+00  4.0938e+00 -4.4741e-01  1.7389e+01 -8.9762e-01  4.2695e+00
  7.2372e+00 -2.3230e+00 -4.6489e+00 -8.8980e-01  2.9095e+00 -2.9112e+00
  5.2218e+00  9.0681e-01  9.1231e+00 -2.9529e+00  3.4209e+00 -2.6678e+00
  1.2956e+01 -6.4667e+00 -1.7353e+00  4.7200e+00  5.3350e+00  1.8346e+00
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  1.1303e+00  8.2944e-01  4.0794e+00 -2.8201e+00 -7.0784e-01 -1.6303e+00
 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
generative [-4.1984e+00 -1.8623e+00  9.0527e-01  7.5985e-01  2.2335e+00 -3.2466e-01
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 -1.5851e+00 -3.2065e+00  1.9104e-01 -3.9727e+00 -1.6602e+00  2.5932e+00
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 -6.4614e-01 -9.3179e-01  8.7823e-01 -2.3108e+00  7.4600e-01 -2.7974e+00
  4.9470e+00  3.7800e+00 -6.8860e+00  2.0046e+00  2.8269e+00 -2.5207e+00
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  2.4933e+00  1.3117e+00 -1.6021e+00 -1.5873e+00 -2.4014e-01  2.5251e+00
 -2.3462e+00 -6.7706e-01  3.1598e-01  7.2715e-01 -2.8527e+00 -2.6802e+00
  1.6482e-01  1.1626e+00  2.8710e-02 -3.3676e+00 -2.1764e+00  8.5218e-01]
artificial [-1.5015    -0.71667   -0.62862    0.15832    2.285     -1.9047
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 -3.999     -0.53039    2.6862     4.4444     3.8054     0.54573
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 -2.0249    -0.88413   -0.112     -2.509      0.53042    3.5356
 -2.2633    -1.4543    -0.276     -1.0445     0.79916   -3.2588
  2.3863     1.1587    -0.61204    0.17135    1.3784     1.1768
 -0.88856    1.9331    -4.3498     5.2849     2.6654    -1.587
  0.60487   -1.5327     1.0561     1.8225    -1.2516    -3.7005
 -4.1308     2.7121     1.4603     1.3097     0.95383   -1.1014
  2.5369     1.7835     0.18165   -0.58688    2.6138     0.11586
 -1.6052    -4.728      1.5429    -0.16749   -2.0851     0.55106
 -1.2537     0.40559   -0.49506   -1.1492    -3.1709     1.5427
 -0.3782     1.0747    -3.5665    -0.71901    0.52572    1.7285
 -1.0573    -0.84546   -0.256      0.26507   -1.756      0.26818
 -1.1061     1.8467     2.3257     0.59033   -2.0135    -1.3466
  2.6171    -0.3427     0.82499   -0.9318     0.4309     1.8139
  2.7992     3.3757    -0.38678    3.7933    -2.961     -1.527
  2.1604    -1.5592     2.318      2.6283    -1.6476    -0.20651
  1.7959     2.0062    -2.8762     0.38092   -1.9575    -6.423
 -1.6945    -2.828     -0.92228   -0.57068   -0.04837   -3.8938
 -0.027082  -5.4821     4.4376    -2.0844    -0.65519    3.9239
  1.0377    -0.65659   -2.3834     0.054922  -2.3188    -1.9677
 -0.83977   -0.33       0.27115   -0.14054   -2.1003    -0.040998
  1.6634    -2.0283    -2.9438     2.5139     4.5031     0.28824
  0.5882     3.5006    -1.055     -1.9913    -2.2811     0.65754
  3.877     -2.9571    -1.8072    -0.68684    0.14232   -2.6843
 -1.5941     1.2267    -0.081255  -0.61802   -2.4902     1.3173
  4.1145    -0.59451   -1.21      -1.6327     3.8413     1.1962
  2.9527    -0.3605    -2.1044    -2.5106    -2.6466    -0.70604
 -3.4207    -1.0939    -1.8056    -1.4222    -0.56029   -1.4227
 -0.58574   -2.4829     0.19212   -0.44368   -1.4773    -1.9282
  4.4426    -2.0308    -2.487      0.67695   -4.3275    -1.267
  0.22339   -3.6757    -1.583     -2.7251     1.2127    -3.882
  3.0603     0.64301   -4.3693     3.2498     1.6707    -0.85005
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 -1.8224    -0.30986   -2.5533     0.27594    1.4039     3.1086
  1.7804     0.7439     1.8124    -2.3183    -1.4921     1.6684
  2.051     -0.92517   -2.1823     0.30974    2.1628    -0.55748
 -2.0308    -0.70701    0.26378    0.053091  -1.1745     0.88107
 -0.29978   -0.20965   -2.9533     2.0337     0.61114   -1.1918
 -6.1259    -0.91141   -1.5675    -2.2973     1.7        0.69132
  0.044008  -1.1335    -2.767      0.92902    2.9241     3.8552
 -1.0065    -1.6642     0.1038     2.0486    -1.891     -0.76086
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  1.0823    -0.096342   0.93929   -0.75865    0.1443    -0.032051
  2.5174    -2.2067    -0.44611    0.024011   2.051      2.643
  1.4203     0.26075    0.2678     0.96802    0.13621    1.8594
 -1.2673     2.9111     1.8792    -1.4344     2.2924    -1.6151
 -1.3518    -1.6394     3.3943    -1.8778    -1.4787     3.1115   ]
intelligence [-0.41817   0.3404   -1.1554    1.9992    3.1846   -0.76039  -0.043013
  1.9662   -1.1945   -2.1427    6.0328    1.6455   -3.1527    1.3409
  2.3887    3.0772    3.7601    0.50625  -2.3465    1.7447    0.82959
  1.0736   -4.7063   -1.7823   -1.2313   -2.4541   -0.58398  -0.44706
 -0.3161    0.64646   1.7275    1.3651   -0.46828   2.5734   -1.2146
 -2.0452   -0.39459   1.6056    1.1636    1.3503   -2.8771    2.5611
  0.6227   -0.22821  -0.90188  -0.28177   1.1206   -4.3184    1.8866
  0.56615  -0.39721   2.6372    1.3408   -6.1459    0.17571  -0.87171
 -2.8117    0.88963   2.548    -3.0786    0.44466   2.6437   -2.2603
 -1.7082    2.5377    0.53587  -1.0177   -6.4481   -0.50626   4.1791
 -0.19913   3.4363    1.7095    1.7606   -3.6038   -0.19644  -4.0732
  3.0627   -1.8009   -3.9133   -5.9788   -3.2685   -2.3274    5.0327
  4.0404    1.7772   -4.1891   -4.5869    3.5836    0.19929  -1.0931
  3.1575    4.4878   -2.2902    1.4018   -1.8259   -0.79248  -0.3292
  2.8679   -0.58673   3.4791    2.3986    2.1549    3.573    -1.2149
  3.9004    2.9802   -0.58506   0.83723  -2.2859    4.711    -1.0338
 -4.6339    0.73692   2.0825    1.1591   -4.3055    0.26545  -3.3184
 -4.0261   -0.58641  -4.5865    1.6112   -1.5447    2.9703   -6.099
  6.4595   -3.9576    4.3661   -2.3421   -0.94497   0.4559    2.9396
  0.27189  -0.61547   2.2772   -3.0902    2.8362    1.8911   -0.43193
 -2.4205   -1.3403   -2.2234    2.2834    1.9551   -0.23929  -5.6048
  1.8686   -0.61182   2.3436   -0.88344   3.4994   -1.2805    2.9386
 -1.3466    3.7094    2.976    -0.078185 -3.1456   -1.5188    0.24282
 -1.3095   -0.72129   2.0544   -0.76912  -2.4315   -2.8695    1.3561
  2.0421   -2.4805   -3.3836   -1.6859    3.8848    0.88572   7.266
  1.3847   -1.1094   -2.0655   -1.6038   -1.7591   -3.3528    2.4089
 -0.75154  -0.49278   1.7386    1.725    -0.91032  -0.94149   0.83409
  0.30345   3.4762   -2.7409    1.4932   -1.9878   -0.92159   1.194
 -4.1726    0.26291   1.3855    0.041079 -1.316    -0.75234  -0.72334
 -1.9324    2.983     2.3921   -3.7806   -0.89363  -1.9105   -0.35742
 -0.86894  -1.84     -1.3088    2.3235    0.96628   1.861     3.0841
 -3.6565    1.1773   -0.75499   0.81516   4.7596   -0.65448   1.152
 -0.31849   2.7698    2.0946    1.2358    2.9879   -1.5876    2.9632
 -2.9962   -4.102     3.4273    1.5582    1.0787    1.7992   -0.036457
  1.465     2.1956   -0.29855  -2.4429    0.60332  -0.58859  -4.3053
  1.8446   -0.12048  -0.46265  -0.5556    1.7103    1.9479   -2.9902
 -5.7716   -3.9587   -0.62686  -3.0681    3.2264   -2.4602   -1.2364
  1.4462   -2.2371    5.0721    0.42344   1.7552    1.6105   -1.4452
 -2.1321    3.8289   -0.41081   1.1038   -2.0831    0.58156  -0.68831
 -0.10063  -0.51058  -0.8119    2.4074   -7.1477   -0.23686   1.1164
  2.034    -0.74751   3.088     0.88912   2.2897   -1.8236    2.2353
  1.7066   -0.15235   2.2073    3.1485    0.90694  -0.74955  -2.684
 -1.5885   -0.96977   4.3459   -0.85531  -4.2816    6.4185  ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
  2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
 -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
 -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
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 6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
 2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
 3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
 1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
-0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
-3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
 6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
-4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
 0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
-4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
But [ 2.6836    0.68483  -2.5459   -2.4798   -4.13      4.9591    1.8204
 5.4703    0.55634  -0.19618   1.6146   -1.4228   -0.23677   0.90708
 2.0819   -2.4869    0.54699  -5.0034    1.2199    1.5851    2.45
 1.7488   -0.070422 -7.8544   -0.64848  -3.5381    0.4304   -3.383
-2.3192    6.9689    2.8679   -8.0666    1.5809    0.32838  -2.9311
 2.0729   -5.4762    0.30583   6.6351    4.3268   -1.7479    5.1123
 1.7219   -0.59336  -2.8878    0.93923  -1.3993   -3.9144   -6.8759
 5.2347   -1.9213    0.45856   4.3547   -7.8677   -0.051796 -4.2411
 1.541     0.94561   4.7523    1.1475    2.0754    1.5931   -1.287
-4.2946    0.50234   1.685    -4.4352    0.35839   0.80935   1.9862
 4.5757   -0.10974  -2.9481   -2.3853   -2.2869    4.2675   -3.1493
 0.22173  -1.7785   -5.6322   -2.7569   -1.176     5.7252   -0.49624
 1.0206   -1.901     1.3936   -8.3881    4.146    -1.4364   -1.2764
 0.56439   0.96029  -4.4618    2.6112   -8.7926    0.84591   0.92409
 3.8762   -0.19183   5.2114    1.2474    0.57652  -2.087    -2.1225
-0.019326 -2.6287    1.4759   -2.3704    0.69861  -1.5633   -3.7051
 0.80703   1.0958    1.4501    2.2761   -3.1571   -4.5586   -0.70784
 0.20492  -3.42     -1.846    -4.6556    1.1517   -2.4334    1.8435
 5.2965    2.1428   -1.5794   -1.3912    2.4431   -4.9011   -0.37235
-2.8481    1.6247    0.29572  -5.2145   -3.4946    8.5958   -9.1976
 2.1379   -1.5746    2.1727    5.7265   -6.5506   -3.8077    0.77143
-3.1147   -7.3332   -4.0231   -3.4241   -0.036242 -4.1347    3.9729
-1.3894    6.2929    4.8123   -1.5649   -3.8219    3.4115    2.256
-1.5263   -6.8757    1.4107   -3.6706   -3.1435    3.7834   -1.3965
-6.1227    1.1067    2.9952    7.6913    1.2227    1.0698    1.8004
-5.9418   -6.7335    1.9731    0.57682  -2.3558    4.3503   -2.2965
10.129     2.267     1.2538   -0.50827   0.59015  -3.6802    5.0083
 7.5103   -0.20663   3.9303   -3.4899    1.6554   -7.4583   -3.2239
-0.87911   2.7679   -3.206     4.7997   -2.9803    3.0347   -0.69879
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 -0.073684 -1.8848    0.47588   2.1232    1.5121    1.3463   -1.4038
  8.9265    0.33153   1.1028   -4.7355   -3.2382   -0.47512   5.146
 -0.1145   -2.6388    3.0636    2.1885    3.4701    4.0182   -4.6867
 -3.2439   -2.179    -3.5404   -2.8358    0.47064  -1.7228    5.3862
  4.0236    0.21169  -4.2073    4.4544    1.1498   -2.1002   -2.1049
  1.152     2.8315    2.0969    4.9997    6.1795   -0.60154   3.022
 -8.1983   -1.1516    1.7092   -9.3652   -2.665     2.4882    1.9745
 -1.5176   -1.7167    1.3123    0.48046   3.6126   -0.65965   0.58553
  0.5086    1.3665   -8.4747    5.6534    2.0926    0.4502   -6.7839
 -2.0688    2.4796   -7.3753    2.8057   -5.0736    1.7499    7.2605
 -2.3455   -3.7129    2.3972   -0.76582  10.703    -1.7137    5.8388
 -0.98484  -4.0095   -1.7753    5.2487   -2.625     4.8342   -2.0746
 -4.1669    1.0871    6.0666    6.7219   -4.3512    1.2366  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
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  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
embrace [-6.7654e-01  3.3614e+00 -1.9596e+00 -1.2274e+00  4.5248e-01  3.3001e+00
  6.8176e-01  2.2715e+00 -3.9827e+00 -1.7525e+00  4.3625e+00 -1.3865e-01
 -4.1822e+00  6.4693e-01  2.0273e+00  2.1666e+00 -1.7868e+00 -5.2311e-01
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  1.4253e+00  9.6501e-01 -1.2061e+00  1.4038e+00 -1.0423e+00 -2.2242e+00
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  1.1716e+00  2.6782e-01 -1.0949e+00 -4.1681e-01 -1.8036e+00 -1.4015e+00
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 -1.9024e+00 -1.1450e+00 -2.9240e+00  1.0699e+00  2.7236e+00  1.3223e+00
  5.8068e-01  5.0172e-01 -2.9113e+00 -1.9875e+00 -1.3045e+00 -1.3483e+00
  1.4669e+00 -1.5726e+00  1.8562e-01 -2.6412e+00  1.8946e+00 -1.0579e+00
  2.5275e+00 -1.7145e+00 -1.6677e+00  3.0455e+00 -7.2663e-01 -1.4316e-01
 -4.9867e-01 -8.3060e-01 -8.8098e-02 -2.0390e-01  1.0105e+00  6.9873e-01
  5.0097e-01 -2.0182e-01  2.4980e+00  3.1439e-01 -1.9193e+00 -2.7646e+00
  6.8047e-01 -1.3715e+00 -1.9554e+00  3.6773e+00 -4.5447e+00  1.5385e+00]
it [ 6.5268e+00  9.8299e+00 -4.6809e+00 -1.7518e+00  1.8730e+00  9.4928e-01
  3.8046e+00  6.2056e+00 -5.9246e+00 -1.4980e+00  1.6429e+01 -3.1617e+00
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 -7.1894e+00 -8.8624e+00 -1.3532e+01 -2.8337e+00 -1.1478e+01  8.9946e+00
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  4.9145e+00  3.9045e+00  1.2135e-02 -7.5615e+00 -4.3118e+00  8.7885e-01
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  3.3377e-01 -6.2057e+00 -2.4436e-01  1.1242e+01 -3.9506e+00  2.0869e+00
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  4.4908e+00  7.1941e+00  1.9532e+01 -3.1800e+00  7.0581e+00  4.0357e+00
 -4.0684e+00  5.3690e+00  7.6717e+00 -1.0368e+00  6.5508e+00 -2.5021e+00
 -5.5401e+00  4.0604e+00  1.2899e+01  1.6488e+00 -7.9579e+00  9.5660e+00]
responsibly [-2.1442    0.58512  -2.6965   -1.6536    5.0151    1.7962   -0.89602
  3.4172   -0.94495  -1.8927    3.4022    1.6593   -4.5847    3.5986
 -1.2656    2.596     2.5777   -3.4749   -0.35068   2.6216   -2.0226
  0.47066  -3.7638    1.618    -0.97551  -1.2139    0.060835 -0.53754
 -0.61636   1.3428    3.3806    2.8991    0.70211   0.6558   -0.86816
 -2.7697   -0.59473  -0.42885   2.8718    1.7311   -2.7751    0.50465
 -1.9535    2.407    -5.1833    3.0516    3.414    -4.9793    0.11029
 -0.82427   0.42542   2.7943   -0.54034  -4.3198   -1.3194    0.18556
 -1.7866    0.49805  -0.42299  -2.5186    2.7196   -1.0286   -2.5584
 -0.017131  0.85241   3.3265   -2.9336   -4.1714    2.8498    2.8785
 -0.5063    1.4407   -2.27     -2.0168    0.51685  -1.7305   -2.1768
  4.1542    0.94238   0.16795  -2.7293   -0.58879   1.0574    3.7968
 -1.8332    1.711    -5.9291   -3.3743    1.7898   -2.1949   -0.069008
 -2.4374   -0.70549  -2.6852   -0.15303   1.7879    0.21749   2.4013
 -0.59403   1.2954    4.1052    2.7416   -0.83748   1.3731    0.099865
  6.6703   -1.9607    0.24631   0.72805  -3.6223    2.5755   -2.2306
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  3.0126   -1.8235    4.688    -4.0434   -3.49      0.14916   2.679
 -0.027005 -0.89265   2.2902   -0.64732  -2.2318    2.1191   -2.5874
 -2.681     0.36687  -1.2375    3.0843   -0.77433   1.7516   -2.6119
 -2.7168    0.070711  1.3898    1.5395   -0.5918    2.5631    1.7158
 -0.39026   0.10039   3.0344   -0.67824  -3.9307   -3.9555    1.5761
 -2.1692    0.60067   3.702    -1.2364   -1.2172   -2.3189   -0.55684
 -0.70272  -1.66      0.64173  -0.82016   3.5861   -0.86565   1.9425
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  1.8933   -1.7936    0.93656  -1.2913    1.0682    0.24831  -0.10972
  0.32807   2.5696   -1.4695   -0.46697  -1.1353   -0.64342   1.4971
 -5.3275   -1.9725    0.30996  -2.2533    0.080738 -0.46317  -0.68594
 -0.089312  3.7507    0.64824  -4.4119    3.1637   -0.50174   2.3414
 -0.35037  -0.82043  -1.1565   -0.44002  -2.41      4.6245    4.3154
 -3.5497    4.01      0.93841  -2.97      1.4806   -1.704    -0.52631
 -1.6815   -0.90132  -3.089    -0.47541   2.8503   -0.58068   0.49533
 -2.3527   -2.9106    2.4427    6.1999    0.6832   -0.69905   2.4829
 -0.65702  -0.23625   2.1827    0.36439   3.2065   -2.0805   -2.7416
  1.4084   -4.4514    0.52806  -0.49697   4.7653    4.8187   -3.9706
 -5.0372   -2.2562    3.7753   -5.9311    1.6974   -2.0467    0.067218
  3.3401   -1.3885    5.5582    1.9969   -0.32544   1.7877   -0.68715
  1.4318    1.0337   -2.7567    1.145     2.2623    3.6532    4.6041
  0.51328   2.3956   -0.33924   2.6804   -2.6537    1.7572    4.3915
  3.6787    0.20617   2.7505    0.056597  0.90131  -2.06      2.5551
  2.4098   -3.9071   -0.37891   1.4082    0.28413  -2.0104   -1.8313
 -6.4581    0.58756   0.33727  -2.8963    0.91684   2.0434  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
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   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
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    0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
   -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
   -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
    4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
    6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
   -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
   -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
   -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
    3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
    2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
    0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
    8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
    6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
   -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
   -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
officials [ 0.060564  2.0497   -3.6695    2.9276    5.3819   -0.59062  -5.6202
   3.739     0.37092   0.28767   1.953     1.6064   -3.8546   -3.6302
  -2.9859    5.1873    2.7079   -1.3701   -3.179     1.1637    1.0676
  -4.8387   -1.3191    1.646     1.5455   -1.8641   -0.75336   0.40781
   1.5721   -5.5235    1.8838    3.8837   -2.7712   -0.70461  -0.52654
   2.1892   -1.903    -0.68602  -0.58132   0.49971   1.1211    0.3518
  -1.5483    3.2623   -4.3706   -1.2189    0.36767  -5.2913   -2.965
   3.9887   -0.80842   3.1338    1.1308   -6.3064    0.8466    4.3265
  -0.78709   2.0956    2.0297    0.36071   0.42557   0.20933   1.4496
  -1.2605    3.5113   -1.2945   -3.5366    0.37073   2.6362    2.6784
  -0.90141   0.56422   0.27795   0.23674   0.49854   4.0753    1.0335
   3.5116   -4.868    -3.4539   -2.7081   -1.6074   -1.0093    0.87578
   0.077597  1.0185   -7.1683   -0.70409   2.3444   -2.5225   -3.8855
  -1.5294    1.1371   -2.2253    3.5176    2.7618   -0.35312  -2.066
   2.4243    3.4568    0.79078  -0.40769   1.7404    0.29312  -0.74129
   0.40771  -1.4481   -0.98447   0.40506  -7.6094    0.54076  -0.30853
   2.0248   -3.3642   -0.61745   3.2266   -0.71154   0.22696  -0.079609
   1.1941    1.6733   -2.9695    4.3903   -3.4348   -1.0462   -5.9609
   4.6909    2.8179    1.9408   -0.84171  -2.2857   -0.76355   4.5746
  -1.6132    0.50367   1.4133   -1.1104    1.1009    3.598    -0.50264
  -5.634    -5.5115    0.64702   3.2072    0.11978   2.2555   -3.675
  -1.2097   -0.030043  0.57484  -1.5205    2.6255   -3.0702    1.3943
  -2.775    -3.9528    3.16     -5.376    -4.9961   -3.5721    0.51583
  -6.58     -2.1566    2.1067   -1.4696   -5.4362   -7.9705    3.1029
   0.72962   0.33353  -0.7279    2.6009    0.05744   0.48725   2.5385
   0.73006   1.0871   -5.0724   -2.6711    1.0841   -3.0485   -0.45177
  -3.1378    5.312     0.14742   2.9255    0.38948   3.5295    2.6512
  -0.57623   0.37176  -1.6111    1.3733   -0.34459  -3.353     1.9388
  -2.8573   -1.1071   -3.8839    2.7378   -3.8198   -1.9119    3.7488
   0.02154   4.202    -1.4635    0.54238   2.3003    0.56666   2.7228
   0.71863  -1.1621   -2.0013    0.78669   1.8839    0.28301   5.1604
  -3.4065    0.76033  -1.6276   -2.185     1.6525   -0.075269 -0.53802
  -2.1891    0.017998  0.50409   2.4969   -4.9797   -1.0757    1.583
  -3.2651   -2.5953    1.0458    2.6155    1.8976   -1.0653    0.4441
   1.34     -0.4779   -2.6689    1.3571    4.1461   -1.5924   -0.7913
   5.732    -0.41708  -2.7059   -2.2716    4.3665   -0.69896  -5.8889
  -9.8762    0.18872  -0.056906 -3.0441    3.8873   -4.034     0.8548
   1.5166    0.062178  2.6       0.13268   0.32262   2.0548   -0.29739
   1.4558    5.3277   -5.2625   -1.3823   -6.8302    2.9476    1.3522
  -3.9703    0.33223  -0.66572   0.6961   -5.8512   -1.6542    2.832
   1.5001   -1.0123    2.1789   -1.956    -0.25455  -0.88095   1.6001
   0.18767   1.1631    2.5918    3.8393    2.0533   -3.646    -0.42602
  -1.843     1.4487    2.8384   -1.4223    2.2177    3.1712  ]
```

```
think [-7.1683e-01  2.1647e+00 -1.4338e+00 -2.5936e+00 -2.7810e+00  1.7228e+00
  3.0156e+00  5.4951e+00 -2.5127e+00  1.9290e+00  5.1024e+00  7.9602e-01
 -3.7045e+00  2.6011e+00  4.4216e+00 -2.4541e-01  2.5268e+00 -3.3576e+00
  1.5418e+00  2.1932e+00  2.4326e+00  1.0852e+00  1.4715e-01 -5.5928e+00
 -5.8421e-01 -2.0669e-01 -1.6486e+00 -9.7293e-01 -1.1943e-01  4.9939e+00
  2.2387e+00 -2.9861e+00  1.6733e+00 -7.6429e-01  1.5005e-02 -3.8392e+00
 -1.3835e+00 -2.9357e-01  5.4948e+00  3.1727e+00 -6.4526e+00  3.1365e-01
  4.5700e+00 -2.2613e+00 -2.7428e-01 -2.0087e+00  7.4968e-01 -5.1666e+00
 -1.6480e+00  1.2913e+00  9.9230e-01  6.7391e-01  2.2725e+00 -5.1220e+00
 -3.2534e+00 -1.4436e+00 -4.2496e-01  3.7400e+00  2.6896e+00  2.7000e+00
  2.8033e+00  3.8046e-01  9.6363e-01 -2.4488e+00 -2.2900e-01  2.2682e+00
 -5.1552e+00 -3.2474e+00  1.3317e+00  4.4615e+00  2.4172e+00  1.3968e+00
 -1.6411e+00  6.7135e-01 -1.9883e+00  7.8765e-02 -1.6505e+00  2.6522e+00
  2.7194e+00 -1.3813e-01 -1.8575e+00  1.5462e-01  4.1300e+00  1.3536e+00
  3.0963e+00 -1.8044e+00 -8.1126e-01 -6.6433e+00  1.9436e+00  2.4672e+00
 -5.7947e-02  1.2171e+00  6.3153e-01 -4.7704e+00  1.6650e+00 -6.3366e+00
  2.5868e+00 -1.9713e+00 -1.0147e+00 -2.6730e+00  1.8079e+00  2.5731e+00
  1.3150e+00  1.0615e+00 -2.0024e+00  3.2653e+00 -2.5287e+00  5.3214e-01
 -2.1558e+00 -6.8279e-01 -1.5296e+00 -2.9772e+00 -2.2455e+00 -9.0723e-01
 -1.5475e+00  3.4920e+00 -6.5594e+00 -4.8300e+00  1.6202e+00 -2.2654e+00
 -2.4455e+00 -1.0327e+00 -4.5764e+00  1.7456e+00 -1.2418e+00  1.6938e+00
  3.3116e+00  5.7923e-01 -3.5036e-02 -1.5132e+00 -6.0002e-01 -9.3834e-01
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  5.5343e+00 -2.0636e+00 -2.6706e-01 -8.3502e-01  9.8411e-01  4.6702e+00
 -4.2307e+00 -3.6859e+00 -3.4661e+00 -1.1479e+00 -1.8685e+00  3.2900e-01
 -5.9054e-01  1.1023e-01 -8.6661e-01  3.4240e+00 -3.2481e+00  4.4013e+00
  5.9462e+00  3.3057e+00 -9.4708e-01 -2.1927e+00 -7.7532e-01 -1.2984e+00
 -1.9996e+00 -3.0106e-01 -1.7593e+00 -1.2528e+00 -1.7471e+00 -1.7427e+00
 -1.0568e+00 -1.4404e+00  4.1287e+00  8.8151e-01  1.9772e+00 -2.1112e+00
 -1.4165e-01  9.0178e-01 -3.2541e-01  1.8374e+00  8.0392e-01 -2.9054e+00
  9.0707e-01 -3.4076e-01  7.2001e+00 -1.2994e+00  6.1240e-01 -1.5872e+00
  2.6355e+00 -6.6583e+00  2.8182e+00  5.1102e+00 -2.8810e+00  3.0848e+00
 -1.6080e-01  4.8365e-01 -4.2269e+00 -5.9697e+00 -5.6227e-01  1.3573e+00
 -3.7105e+00  4.1917e+00 -1.4990e+00  2.1766e+00 -2.1491e+00 -4.1220e+00
 -1.4008e+00  2.7885e-01 -6.6619e-01 -1.0644e+00 -1.2860e+00  1.1185e+00
 -1.9196e-01 -1.5896e+00  1.9632e+00 -5.0634e-01 -1.6270e+00  2.7264e+00
  2.2168e+00  5.9742e-01  1.0113e+00  2.6071e+00 -1.8591e+00 -3.4768e+00
 -8.4835e-02  3.5472e+00  1.2098e+00  1.3241e-01 -1.4697e-01  1.2859e-01
  5.9043e+00  1.5588e+00 -3.5419e+00 -4.4612e+00  3.6315e-01 -3.1298e+00
 -5.4670e+00 -4.3627e-01  1.2581e+00  3.6267e+00  1.8556e+00  2.5354e+00
 -3.5511e+00  1.3861e+00 -4.7250e-01  2.9387e-03 -8.1652e-01 -2.9293e+00
 -2.8044e+00  1.9260e+00  2.9303e+00  2.5656e+00 -8.9072e-01  1.3994e+00
 -4.0575e+00  1.5186e+00  2.8494e+00 -4.8463e+00 -4.3528e-01  3.7706e-01
 -2.6242e+00  6.5940e-01 -1.5276e+00  1.8518e+00  6.0762e-01  1.2808e+00
  2.1447e+00  3.9623e-01  1.5894e+00  7.8112e-01 -6.4061e+00 -1.9745e+00
  9.7440e-01 -1.4756e+00 -6.2484e-01  1.6973e+00 -1.5572e-01 -3.9280e+00
  3.9975e+00 -2.3618e+00 -2.0990e+00  3.5886e+00 -3.7385e+00 -7.8112e-01
  1.8758e+00 -3.7263e+00  3.4128e+00 -7.0275e-01  5.9856e+00  1.5847e+00
 -3.9389e+00  1.9687e+00  5.2168e+00 -2.3682e+00  2.7225e+00 -2.2022e+00
 -5.2900e+00 -2.7092e+00  2.2216e+00  4.4445e+00 -4.1091e+00  3.7351e+00]
they [-3.2771e+00  5.7918e+00 -6.2498e+00 -7.0404e-03 -1.5943e+00  1.0618e+00
 -4.0843e+00  2.4359e+00 -7.2366e+00 -1.6310e+00  1.0735e+01  2.8735e+00
 -3.4937e+00 -1.3758e-01  3.4269e+00 -3.9770e+00  1.3521e-01 -5.7346e+00
 -3.3419e+00 -5.6917e+00  4.5000e+00 -5.1193e+00  8.4229e-02 -2.4839e+00
  4.4019e-01 -2.9952e+00 -1.9959e+00  1.5738e+00 -1.8963e-02  1.4270e+00
  5.1774e+00 -3.0818e+00 -6.8056e-01 -3.0420e+00  3.9914e-01 -6.4885e-01
 -1.5875e+00 -5.4419e-01  3.8494e+00 -1.0405e-01  2.6322e+00  3.4115e+00
  1.9101e+00  3.4601e+00 -2.6455e+00  5.6282e+00  2.8543e+00 -8.8250e+00
 -5.0177e-01  5.3037e+00 -1.4786e+00  2.0754e+00  8.5930e-01 -7.7849e+00
 -5.5541e+00 -7.8588e-01  2.0962e+00  3.5500e+00  3.9912e-01  2.8247e+00
```

```
  5.6593e+00 -5.0761e-01  3.0954e-01 -4.3435e+00  1.5971e+00 -2.9188e+00
 -4.7604e+00 -2.4336e+00  1.6054e+00  4.3441e+00 -1.3180e+00  5.5202e+00
  1.9602e+00  1.8826e+00 -5.3738e-01  4.6213e+00 -3.8005e+00 -1.9786e+00
 -6.3148e+00 -1.5308e+00 -8.4157e+00  1.6443e-01  7.8292e+00  2.7956e+00
  4.7725e+00  1.3603e-01 -3.1794e+00 -2.4059e+00  2.7825e+00  1.0615e+00
  5.6403e-01 -1.0330e-01  4.4558e+00 -7.3048e+00  8.9793e-01  2.4339e+00
  1.2550e+00 -5.7003e+00  3.0032e+00  5.2192e+00  1.2273e+00  4.1778e+00
  2.3986e+00 -1.4795e+00 -7.1703e+00  5.0746e+00 -6.9527e+00 -4.5054e+00
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  5.3274e+00 -1.7425e+00 -2.3424e+00  2.5871e+00  6.5623e-01 -3.8972e+00
  5.3741e+00  1.3153e+00  2.7720e-01  3.4853e+00 -1.5677e+00  4.3038e-01
  5.6888e+00 -4.3596e+00 -4.3900e+00 -3.5744e+00 -1.8051e+00  3.1382e+00
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 -4.8010e+00  6.2626e+00 -2.6309e+00 -4.9169e-01  1.1530e+00  1.6350e+00
  6.7492e+00 -3.4139e+00 -3.3648e+00 -1.2920e+00 -5.0309e+00 -5.3947e+00
 -6.3272e+00 -1.6036e+00 -2.9509e+00  1.5056e+00 -7.0007e+00  3.6314e+00
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  6.7231e+00 -7.6111e-01 -1.5782e+00  1.1523e+00 -1.8273e+00 -1.3014e+00
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 -2.4215e+00 -1.0750e+00 -3.0919e+00  8.9062e-03 -6.6257e+00 -7.7343e-01
 -2.3398e+00  6.4378e+00 -2.6487e+00  1.6252e-01  3.9961e+00  2.9432e+00
 -5.2604e-01 -1.0013e+00  1.9455e-01 -3.1363e+00  2.4627e+00  1.2480e-01
  3.2774e+00 -1.5814e+00 -1.1335e+00  3.4016e+00  6.8160e-01  5.7961e+00
 -3.8826e+00 -3.6430e+00 -1.6863e+00 -8.0698e-01 -3.9192e+00  1.8551e+00
 -2.0221e+00  3.7869e-01  2.3891e+00 -3.5905e+00 -3.1472e+00  3.6113e+00
  2.6017e+00  1.5752e+00 -2.6807e+00 -5.6454e-01 -6.6687e-01  1.0681e+00
  4.2736e+00  1.4584e+00 -1.5459e+00  8.4023e+00 -1.1803e+00  1.9107e+00
 -8.4291e+00 -8.7524e-01  4.0009e-01 -1.6365e+00  3.0175e+00  3.3924e+00
  1.8262e+00  2.8938e+00  8.0679e+00  6.0538e+00 -2.9965e-01 -2.3140e-01
 -8.9376e+00  5.3838e+00  1.7902e+00 -5.6730e+00 -2.5693e-01 -3.3168e+00
 -4.7938e+00  5.8946e+00  5.0985e+00  6.5578e+00  4.3662e+00 -1.3270e+00
  2.7639e+00 -1.1565e+00  3.0211e+00  7.2339e+00 -7.9428e+00 -1.4885e+00
  3.3639e+00 -2.5461e+00 -5.8211e+00  4.3131e-01 -2.5534e-01 -2.5824e+00
  5.5300e-01 -5.9283e+00 -2.0661e+00  2.3830e+00 -2.2715e+00 -3.9483e+00
  4.3014e+00  2.0498e+00  2.0768e+00 -1.1807e+00 -3.5322e-01  2.6558e+00
 -1.5700e+00  1.3342e+00  4.3752e+00 -4.0475e+00 -8.5015e-01 -8.4133e-01
 -1.7454e+00  2.7337e-01  1.4788e+00  3.3890e-01 -4.6256e+00  3.8239e+00]
first [-3.4552    1.1135    0.3154    1.1293    8.276    -0.47171   5.3419
  0.12659   1.6949    0.6911    4.8146    3.191    -3.6888    2.8223
  1.8997    1.034    -1.1717   -1.2167    2.0822    1.9756   -2.7783
 -3.5059    1.1251    0.12642   0.16838  -2.5      -4.5613    0.47961
  4.1794    2.4713    0.16531   1.4986    2.6634   -4.3826   -3.7308
 -2.9411   -2.917     0.27735   1.0918   -5.971    -0.90483   2.6628
  2.953    -1.2244    3.6019   -1.0567   -1.7854   -0.73047   0.60871
 -0.94573  -7.5433    2.379    -1.4578    3.2932   -0.76815   1.8239
  0.54359  -1.7329    1.788     0.72952  -0.036098  1.3933   -3.0697
  2.749     1.2004    2.9143   -4.2407   -0.30711   0.62634   3.437
  1.1639    2.488    -0.87185  -0.25565   3.4511    1.2291    1.6025
  2.5253    2.0373    1.1583    0.49022  -1.7534   -1.538     1.2541
  0.8961   -2.0767   -2.6825   -3.9615   -1.3217   -6.1795   -6.25
  0.057712  3.2208   -3.368    -0.92859   2.0458    0.66531  -3.3783
 -0.77876   3.7679    0.087824  1.4325    0.69024   5.5825   -2.6295
  1.2602   -1.1045    0.52269  -1.7978   -8.0355    2.4343    4.8394
  1.6205   -0.48088   1.0643    0.21105  -1.3024    3.9582   -3.5481
 -2.3415    0.028462 -5.8766    0.95177   2.959     4.0103   -0.073764
 -1.9413   -2.9531    5.0176   -4.9319   -6.1334    0.015579  4.4048
 -1.8991   -1.5561    3.4679    1.7641    3.4625    4.7791   -3.9116
```

```
  0.02922  -1.2046    4.6345    0.076706  1.4052    6.6842   -3.8397
 -2.5263    1.1963    1.7142    1.8305    2.1362    3.2775   -2.365
 -2.5181   -1.2212    6.1751    0.29071   2.0647   -2.1735   -0.57327
 -3.7173   -1.4681   -0.2197   -2.6233    3.8034   -5.9528    1.3402
 -0.49166   2.322    -0.075899  5.0949    2.9565    2.8069    4.2491
 -0.73805  -3.942    -2.6495   -2.0632    1.4182   -3.1878    1.0194
  3.6392   -1.3397   -3.8434    0.39727  -2.0757   -1.2719    0.36465
  4.0462   -0.91467  -0.94559   0.8176    0.10488  -1.0762    3.8016
 -1.8654   -3.386    -5.9982    3.4069   -1.5257   -2.2582    2.0807
 -6.1147    3.5486   -0.6558    1.7652    3.8887   -2.2605    4.6371
  2.7961    3.6257   -3.4125    2.5155    4.9209    0.4978    1.043
  0.32102  -3.7037   -2.914    -7.7051   -1.9566   -0.79395   4.8954
 -6.9706   -3.6774   -2.7608    5.6001    1.7782    0.84993   3.8046
 -2.5372   -3.2582    2.409     0.83103   2.3462   -2.245     3.1967
 -7.1343   -1.3356   -3.5339    2.9528    1.3397    1.1418   -0.60631
 -2.006    -0.46908   1.5795   -0.29045   3.6193    1.7032   -4.0263
 -4.1506   -3.9358   -1.2046   -0.3826    7.472     0.11208  -0.043617
  1.9138   -0.62849  -1.2268    1.5128    3.3458   -0.24281  -5.4249
  0.42243  -0.027153 -1.8043   -1.1121    1.8701   -2.135    -0.65422
 -2.6015    1.5885   -1.774     1.2663    0.64362  -1.0995    1.1298
  3.8211    1.8842    0.63018   2.2306    5.2121   -1.686    -0.5791
  0.18622  -2.5679    0.45551   3.3984    1.8322   -3.3874    4.0843
  0.33208  -0.70703   2.8889   -4.8307   -0.36668  -0.30279 ]
need [  7.7307     5.941     -5.2919    -2.3773     0.28687   -1.0233
   0.28951    3.2023    -5.0866     0.98481    4.9001     9.6842
 -10.137      4.0415     1.6668    -3.4674     4.0333    -4.6186
  -1.307      0.42771   -3.1479    -1.584     -1.1123    -3.2176
  -4.7867     1.7277     3.1012    -1.3153    -1.8086     2.5593
   1.1425    -6.012      1.2075    -4.2839     7.0046    -0.30793
   3.1472    -0.96001    8.1606     5.4207    -1.8877     0.56723
  -0.035495  -3.4749    -4.9358     4.3662     9.7564    -5.8438
  -1.1759    -2.9705    -2.725      1.2407     5.7933    -8.0189
  -1.6312     3.2775    -3.8029     2.908     -0.087588   2.0054
   6.7747     1.5789    -3.2503    -8.2474     1.7975     4.1665
  -5.7665    -4.182     -1.909      5.5867    -1.9348    -0.20498
   0.24066   -0.47702   -1.6209     7.1886     0.21873    1.599
   1.579     -8.0996    -3.0898    -0.96579    0.15192    7.0122
  -1.6102    -0.31838    0.17418   -4.7652     2.1663     3.3529
   2.9331     0.20125   -3.2017    -1.3568     4.7383    -1.8923
  -2.4524    -0.034     -2.7702    -2.504      4.5472     3.5274
   1.4949     0.080766  -2.4409     7.0298    -4.5017    -6.4798
  -5.991      1.0783     5.7696    -3.7615     3.1828    -7.0006
  -2.9834     7.8569    -4.1315    -1.5549     5.2097    -2.7889
  -7.536      3.3052    -9.0671     2.3449    -0.18973    0.42201
   2.9375    -4.7298     1.1633    -2.6302    -1.9424    -2.8414
   4.4039     1.1515    -1.0902    -3.7373    -4.1022    -4.1033
   5.7274    -0.45309   -1.7586    -0.67777    2.8397    -3.0604
  -2.4796    -4.4388    -3.0773    -2.4069    -2.6946     0.35479
  -3.0028     3.1052     2.1129    -1.4596    -0.90287    0.78872
   7.5273    -0.94258   -0.92375   -2.5973    -3.2542     1.6472
  -5.9355    -3.1577     1.4149     4.7803    -2.274     -2.7836
  -0.53782   -3.9968     0.52491    1.0077     5.4891     0.39749
   3.0833    -3.5152     1.4526     4.6169     1.2414    -2.3443
  -0.15189    0.30864    5.671     -3.5386    -2.2712    -1.4449
  -1.3576    -4.2948     2.5024     3.5646    -0.98869    1.8496
  -2.1871    -5.8027    -5.6432    -0.56419   -4.1731    -1.6817
  -0.49081    1.3133    -3.1284    -3.8237    -0.35666   -4.305
  -0.17291    2.0878    -4.1386     0.5065    -1.8114     0.3826
   3.2411    -4.4525     2.7212    -0.49598   -3.5034     4.4011
   1.1531    -4.9587    -3.595     -0.47174   -0.62702   -1.1496
```

```
    1.8462     0.29451    5.2879    -4.3484    -1.7924     1.4403
    4.4877    -0.41402   -1.3649    -0.061943   5.7742    -3.1882
   -1.8314    -1.1051    -0.79006   -1.8457     3.7058    -0.84476
   -7.0828     1.1571    -3.2691    -0.70554   -1.6295     3.988
   -6.8946     1.5536    -0.37171    4.3676     1.7936     2.8802
   -2.2254    -2.0174     2.229     -4.344      2.2169    -1.6367
   -1.1997     1.2951    -3.6272     4.9532    -1.4777     0.90318
    5.3563     3.5801     8.5705    -1.2728    -5.9329     0.71174
   -1.995     -0.69968    1.5567    -0.77973   -1.3132    -6.1145
    2.1329    -3.4598    -5.067      7.0535    -2.2857    -1.1203
    0.5876     0.8494     0.53833    1.2828     3.0523     3.9989
   -5.1369    -2.9755    -1.653      0.44784   -0.23381   -3.0946
   -1.8513    -2.3399    -8.21      -0.61583   -5.9539     0.088351]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
    2.8189     4.353     -8.8053     0.49059   13.532      3.8955
   -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
  -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
    6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
    4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
    4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
    4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
  -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
  -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
    0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
   -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
   -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
  -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
    0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
   -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
    1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
    6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
   -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
   -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
  -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
    4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
    2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
    6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
   10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
  -13.363     12.089      0.15567   -8.773      0.63318    1.6568
   13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
   -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
    0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
    6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
    2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
  -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
   -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
   -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
    1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
    2.4237     1.6805     2.7494    10.424      0.99916   10.243
    0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
    3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
   -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
   14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
   -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
    1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
   -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
   -4.1231     4.8027    -6.24      17.979      8.1697    14.307
    4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
   -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
   -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
```

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  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
take [ 4.5063e+00 -9.9160e-01 -6.8825e+00 -6.4870e-01  1.0315e+00  2.6868e+00
 -1.2800e+00  3.2243e+00 -4.2051e+00 -1.7811e+00  6.2570e+00  9.5133e+00
 -1.1506e+01  4.5999e+00  7.9447e+00 -9.8866e-02  2.3833e+00 -7.3163e+00
 -1.5307e+00  1.2147e+00 -7.9364e-02 -3.0509e+00  7.5915e-01  3.7564e+00
  1.1962e+00 -4.1263e+00 -2.9009e+00  3.9091e-01 -6.2387e-01 -3.8215e+00
  5.0342e+00 -3.0211e+00  4.9377e+00 -2.8346e+00  1.2340e+00 -3.0794e+00
  3.6343e+00  4.4409e-01  7.0202e+00  2.2252e+00 -8.3863e+00  2.7065e+00
  7.2233e+00 -1.4589e+00  1.5882e+00  2.3908e+00  5.9742e+00 -5.6875e+00
 -1.1438e+00  3.1028e+00  6.3052e+00  7.8212e+00 -2.6089e+00 -2.1944e+00
 -6.3147e-02  1.0141e+00 -6.3364e+00  3.5029e+00  2.4249e+00 -1.8572e+00
  2.7185e+00 -7.7922e+00 -3.7672e+00 -5.8398e+00  7.1081e+00  6.5818e-01
 -5.5144e+00 -4.6535e+00  1.0368e+00  6.6977e+00 -3.4400e+00 -3.4735e+00
  2.7710e+00 -2.3999e+00 -4.6251e-01  3.0139e+00  1.2146e+00 -1.3997e+00
 -4.8535e+00 -7.3681e-01 -1.3472e+01  4.0414e+00  6.2977e-01  4.2360e-01
  1.6025e+00 -2.3960e+00  4.9833e+00 -8.4087e-01  1.3190e+00  3.7805e+00
  3.3288e-01  3.3782e+00 -1.7847e+00 -6.3668e+00 -1.7982e-01 -9.3071e-01
  1.6763e+00 -8.7184e+00 -1.3795e-01  5.2654e+00  1.4129e+00 -1.4723e-01
  2.9728e+00  2.9964e+00 -3.1096e+00  2.1857e-01 -8.0988e+00 -3.1530e+00
 -2.3969e+00  6.6294e-01  4.8174e-01 -2.1878e+00 -5.2677e+00 -2.2680e-01
 -2.7986e+00  7.5739e+00 -3.0991e+00 -2.5553e+00  8.4019e-01  5.0552e+00
 -8.3717e+00 -5.4022e+00 -6.2078e-01 -6.9591e-01  1.3120e-01  3.8802e+00
  1.2249e+00  3.4920e+00  5.9800e+00  3.1020e+00 -1.0864e+00  1.9235e-01
 -1.2228e-01 -2.5425e+00 -2.6125e-01 -2.5275e+00 -3.3038e+00 -3.6828e+00
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 -6.3442e+00  1.7157e+00  7.2392e-01  5.3677e+00 -3.9988e+00 -4.8224e-01
  1.2521e+00  9.7455e-01  2.4636e+00  2.3434e+00  4.3892e+00 -2.2360e+00
 -1.1443e+00 -4.7598e-01 -4.3058e+00 -5.3313e-01  3.4099e+00 -6.0914e+00
  4.3511e+00 -2.7225e+00  7.2565e+00  1.2131e+00 -1.4654e+00 -1.0310e+00
  2.3997e-01  2.4575e+00  2.5765e+00  1.1206e+00 -2.4243e+00  8.5857e-01
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 -2.2622e+00  6.3460e-01 -5.6236e+00  6.5163e+00  1.8087e-01 -3.3627e+00
 -7.7643e+00 -1.2518e+00 -8.6872e-01 -1.5788e+00  1.4364e+00  8.7307e+00
 -3.9902e+00 -2.8888e+00 -6.4411e+00  2.7885e+00 -3.6406e+00 -5.4092e+00
  5.7993e-01 -8.8486e-01  3.5785e-01 -2.5959e+00 -3.7321e+00 -1.7613e+00
  1.6942e+00  1.5810e+00 -1.0553e+00  3.8665e+00  1.2298e+00  9.2697e-01
  5.7585e-01  5.1683e+00  1.5617e+00 -3.7182e+00  6.0959e+00  2.6578e+00
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 -7.0287e+00  2.5720e+00  3.9204e-02  1.0377e+00 -1.6885e+00 -6.4959e+00
 -5.7025e-01 -2.5498e+00  1.1616e-02 -4.7435e+00  5.9362e+00 -1.5634e+00
 -3.5420e-02  2.9227e+00 -5.6672e+00  9.7499e-01  5.5354e-01  1.1871e+00
  2.8782e+00 -2.9046e+00 -4.8902e+00 -2.6652e-02 -4.4660e+00 -3.0261e+00
  5.1450e-01 -3.3184e+00  6.4017e+00 -6.3268e+00  3.3124e+00 -6.4806e+00
  1.5121e+00 -1.1562e+00 -2.5084e-01  7.5843e+00 -3.8676e+00  1.7181e+00
 -4.7843e-04 -3.0701e+00 -1.9739e+00  6.0814e+00  7.2485e-01 -1.8388e+00
 -3.0575e+00 -2.5697e+00 -2.1112e+00  5.5345e+00 -1.8418e+00 -1.6012e+00
 -2.3991e+00 -9.3455e-01 -2.5548e+00  7.3820e-01 -1.0939e-01  9.4046e-02]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
   1.5755     7.9405     8.0812     2.6194    17.189      5.1028
  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
```

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  3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
 -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
 -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
  0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
 -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
 -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
 -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
  1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
 -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
 -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
  6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
 -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
 -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
  4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
 -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
 14.441    -13.343      1.224      3.2356    10.772     -3.7069
  7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
 -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
  3.2295    14.775      2.1246     7.2148     3.6015     3.3317
 11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
  7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
  3.1062     0.87365   11.799     -3.936      5.7646    10.454
  4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
 -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
 -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
 -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
 -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
 -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
  7.8215     5.9596    -2.024      5.9806    12.227      2.8496
  4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
 -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
 11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
 -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
  9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
 -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
-11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
  1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
 -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
  9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
  5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
 -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
 -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
  0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
deep [ 8.1642    3.3069   -4.9961    2.4166    0.049755  0.5811   -0.22183
  7.1878   -4.5101    3.4308    8.4029   -0.61647  -0.67802  -5.3506
  6.3134   -0.77545   3.0768    0.82131   0.2155   -2.3296   -1.4273
  2.8599    2.3154   -4.5186   -3.3563   -4.2488    1.8642   -4.4126
  3.564     0.58943  -1.9731   -1.7204    3.8842    1.1891   -3.4013
 -3.1784   -2.6204    0.47466   1.7551    2.88      2.8659    1.5592
  0.29257   0.35454   3.1031    5.8276    3.2789    1.8389    1.0656
  4.4558    2.7272    3.2123    0.023954 -0.207     2.42     -0.20189
  8.7255    7.3364    3.2713    1.0629   -1.7812    0.10978   1.5249
 -4.7775    1.1626    1.642     4.0459   -1.2414   -1.0984   -1.292
  2.9623    1.6408   -3.0904    7.8806    3.4712    0.36303  -3.0336
  2.5292   -3.2344   -1.9076   -4.5179   -0.39189  -0.67004  -1.9224
  2.8289    4.4165   -0.92281  -3.1178   -2.7734   -2.369     0.79288
  3.1151    3.5273   -4.1502   -4.9399    1.6221    3.7229   -0.83685
  6.7721   -3.9203   -1.8173    1.6648    1.9859    1.1374    0.23655
  3.2744   -2.2032    0.1595   -3.368    -3.2264    0.62215  -3.6101
 -3.4101    1.3393   -2.0991    3.9237   -1.3853   -3.4282   -1.6953
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  0.40485  -6.7892    0.37049  -0.43015   5.1355   -1.3802    1.759
  3.1145   -4.3727   10.979     6.3126   -1.9792    6.1158    5.4067
  1.2855   -2.9624    4.351    -3.6953   -2.3214    2.662     1.8344
 -2.1377    1.9054    1.8883    3.1643    2.7777   -5.6838   -6.5966
  6.9901   -1.2113    2.1203   -6.6524   -2.0292   -2.2443   -5.1418
 -2.9881    2.2641    3.7683    3.6416    1.1931    0.83609  -1.1547
 -0.22984  -0.34135  -4.9906   -2.058    -3.5528    1.1891   -3.0905
 -2.7909   -2.2766   -1.6652    5.4227    4.197     1.2774   -0.33272
 -3.5102   -3.1302   -2.5547   -0.93939   1.0655    0.23803   0.13359
  7.8477   -3.2815   -3.0002   -0.22179   1.9349    3.8646   -3.344
 -1.7778    3.1584    0.93468   3.0051   -3.915    -3.774    -0.39258
 -0.63392  -4.0416    0.38936  -3.5802    0.69466   0.87664   2.0755
 -3.2426    1.7687   -2.8708   -2.0174    0.55134  -0.9975   -2.292
  0.91572   3.8474    1.8492   -0.26378   1.4523    7.6783    0.28631
  2.5389   -4.824    -0.30245   2.9196    5.6591    3.6393    2.4382
  1.6273   -0.2575    1.3183    3.1297    6.0469    2.2714    3.5766
 -2.8817    2.3293    1.4971    7.6754    0.96618  -4.3761   -2.7377
  0.97354  -5.1523    3.8636   -3.3374    1.1224    2.2422   -4.0461
  4.0557   -4.2677   -1.1813    3.8794   -0.91004  -0.71357  -1.3599
 -4.2796    7.112     1.7804   -0.10696   1.6779    2.4524   -4.1036
 -3.9936    5.747     4.7632   11.852     4.1484    2.2356   -5.5545
 -2.1711    1.2293   -0.41707  -0.37021   5.8752   -3.6958    4.3857
  1.0737   -3.1137    1.7172    6.4963   -2.4182   -6.9691   -4.6287
 -1.1163   -0.65982   3.332     2.1236    0.37265   1.0193    0.45691
 -5.0237   -4.044     0.33686   3.5788    2.5631    6.0743   -1.8838
 -0.85837   0.46222   1.4926   -2.3436   -5.0657    0.24823 ]
dive [ 6.8321    2.534    -2.3896   -0.25026   0.042875  4.3636   -1.3037
  3.6621   -6.3343   -1.1294    1.036     3.0791    0.41879  -3.1313
  6.3051    0.8051    4.0877    2.8956   -1.0685   -2.1039    2.5455
 -2.3513    1.9727   -3.8289   -3.8828    3.5889    0.94768  -7.0517
  0.30559   3.5854   -0.21349   0.97225  -1.4605    0.91823   0.64887
 -0.68833  -3.1633   -0.20726   0.63044   2.3343   -3.2443    0.83262
  3.0148   -0.33083  -0.37903  -0.47838   0.40338   1.5312   -2.8462
  1.3205    6.332     3.4424   -1.2338   -0.11985   0.6193   -2.7708
 -1.0544    0.85693   1.0048    4.2977   -1.005     0.66527  -4.0914
 -4.3595    0.57276   5.3887   -2.4233    1.6308    2.5651    5.41
 -1.5672    0.57654   1.1009    0.1486   -0.71974   2.1145    1.9541
 -4.0301   -0.022973  0.22341  -3.896     4.2972    0.71219   1.9162
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  0.29086   1.5262   -3.7617   -0.27814   2.2966   -0.8277   -4.519
  0.80601  -2.4889    0.18877   2.1246    0.92318  -0.071489 -0.83467
  0.53041  -1.0146    3.4394   -4.1596    0.36192   2.1318   -6.3201
 -6.8282    1.7133   -1.466     2.0636   -2.6372    1.1848   -1.8835
 -1.5111   -4.4402   -0.71997  -2.6512    3.6063   -0.8362    3.492
  2.8067   -1.4337    2.7984    6.0799    0.080374  1.2244    1.4873
 -1.112     1.924    -0.83711  -1.1533   -1.879     1.8688   -4.168
  0.74764   2.4965   -1.3115    3.0511    3.1749   -4.3739   -1.4571
 -1.8356   -7.4495    1.201    -0.23151  -4.2494    1.1743   -2.3648
  1.685    -3.2381    9.8067    6.2817    6.8879   -0.44677  -2.8359
  2.3311    1.8332   -6.3091   -1.6979    0.74826  -0.93965   0.42326
 -0.16221  -0.044017 -1.174    -0.82586   1.4378   -1.0441   -2.7134
  2.3957   -0.449    -4.5113   -3.1694   -5.0143   -0.82379   3.619
  3.2738   -0.067179 -0.020467 -0.67286   1.372    -4.7188   -1.6995
  1.5141   -2.6065   -2.2988    0.68495  -2.0421    1.1314   -1.6058
  0.087749 -1.9654   -3.4514   -0.12342  -1.6697    0.5632    2.1428
 -2.9147    2.9568   -2.4195   -4.6919    0.78248   0.8946    1.1741
  0.17017  -0.20681  -2.4947    0.55334  -0.39748   3.93      5.363
  1.4148   -5.0958   -2.2164   -1.1217   -0.47026  -0.93144   6.6338
  0.83319  -4.4691    3.6466    2.1319    2.1055    2.6735    3.4655
 -2.1684    4.7018    1.7145    0.6668   -1.3726   -2.5238   -0.24405
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  4.7675   -2.1431   -4.1003    1.7674   -1.1752   -0.051603 -2.5756
 -0.13282   0.82668  -0.92641   1.1414    2.7807   -0.66011  -0.42428
 -0.37333   2.4649    2.6       9.1632    2.4984   -5.0799   -3.4818
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 -0.91637  -3.6494   -3.8138    1.6738   -5.1107   -2.4123   -5.9512
 -3.6057    1.7907   -2.1107   -2.4985    1.5116    5.1443    0.13279
 -4.2479   -2.6498    2.5094    0.65674  -0.34992  -0.518     1.3869
 -3.5259   -2.4982   -1.0044   -2.0481   -0.94702  -2.7661  ]
into [  3.2835    -3.8764    -4.8339     4.0789     3.4756     9.8448
  -6.6587     9.257      6.7061    -4.8802    -0.86498    0.16955
  -3.7518     4.25       6.8871    -4.9888     4.0453    -0.88488
   2.2608    -2.5604    -2.4978    -2.2576     2.9536    -5.0142
   2.1881    -5.8642     0.52385   -3.2123    -0.59597    4.52
  -6.0191    -0.90057    7.1962    -2.7551    -3.5459    -1.1135
  -2.5027    -2.0853    -0.65078   -2.1594    -0.31312   -4.9015
  -0.049623  -1.7673    -0.67707    2.7969     1.7418    -1.3921
   3.0114     4.1757     1.9363     4.9001    -7.9296    -5.2343
   0.1456    -0.20181    1.6749     5.9594     2.0156     0.58839
   0.11949   -5.0145     0.63893   -4.3446    -0.30239    5.3306
  -2.437     -0.37473   -0.06389    1.683     -4.3605    -4.5886
   3.9013     9.5609     1.9297    -2.472     -5.0609    10.872
  -3.6901    -4.688     -4.9425    -1.0496     6.3447    -1.7606
  10.791     -3.8864     2.4495     0.43963    3.0285    -5.6808
  -2.1543    -1.5496     6.3107   -12.016     -0.59636   -2.3779
   9.0295    -0.041394   0.1387     3.4279    -4.2805     3.6497
   0.99341    3.3814     6.2282    10.481      1.3098    -2.3428
  -0.16963  -11.39      -1.9239     3.9099    -5.011      1.511
   0.17019   -3.5357     2.93      -7.7959     3.5921    -3.631
  -6.9597    -3.2849    -5.8517     4.025     -3.9841    -1.3791
   5.2627    -4.0777     2.7987    -0.13951   -2.6        0.54083
   3.1831     2.1023    -0.96757   -1.4644    -2.777      3.2153
   7.2594    -2.3796    -2.3914    -7.9792    -6.4479    -0.7813
   9.3921     1.3963    -8.8758     2.1839     4.5513     4.3939
   0.55333   -0.25716   -1.4247     1.2273    -9.9981     0.7371
  -0.22815    1.9855    -0.53203    0.094828  -3.9431     5.3761
  -4.2023     0.17014   -7.1181     3.1045    -3.5652    -4.4233
  -0.9135    -5.1049    -4.3419     3.5298    -1.9358     7.0964
  -3.9782    -2.3324    -2.3928    -2.5416    -6.3981    -9.154
   5.125      1.5351     4.5253    -1.71      -6.4021    -6.5029
   3.1386     6.0329     0.38321   -4.9823    -0.79115   -3.9274
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  -1.041      2.702     -3.0481     1.0385    -0.13497   -8.3783
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   1.7368     1.0224     1.7811     7.179      6.0672     0.077169
  -2.8466    -2.789      1.1424     2.2407     1.0913     1.3982
  -8.2515    -2.6647    -2.4266    -4.0119    -0.26315    6.4158
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  -0.45112    1.1419     0.93568   -7.0013    -2.9709     2.8413
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   8.082     -8.2071     2.8015     1.6255     5.0112     4.2843
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  -0.63517   10.057     -8.0637    -0.017125  -8.2309     3.7005
  -0.053786   5.1826     2.8342     2.3564    -1.4681    -2.8855
  -2.516      3.3768    -0.7741    -1.6846    -1.3407     2.7786  ]
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
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 -4.1661    1.2716    2.8088    3.0902    0.22481   1.736    -1.549
  9.5397   -0.071179 -2.2951   -2.3254   -1.3713    2.2236   -0.3172
 -1.3051    0.44198  -1.4304    4.3505   -1.6052    1.905    -1.1316
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 -0.5732   -6.1409    1.1208   -2.0416   -3.0439    1.382     2.8995
 -0.055519 -1.0374    0.38526  -1.2904   -0.27982   3.1331   -2.6865
 -0.93365   3.0442    3.1789    0.23037  -1.5201   -1.7273   -1.1209
  1.6627   -0.70648   0.60756   0.034691  4.0303   -1.846    -0.14307
  2.9661   -1.3044    1.4899    1.519    -2.7646   -1.5301   -0.92334
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  1.3611   -2.2822    1.0441   -2.6066    1.8206    1.9393    3.8927
  1.3723    1.8143    0.4994   -3.8352   -1.0707   -0.58305  -1.8686
  2.9306   -4.7314   -1.256    -3.8037   -1.1514   -1.4504   -0.7806
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 -4.7994   -1.8728    2.2187   -0.92686  -3.215    -3.2934    0.8103
 -2.0933    7.0549    3.4997   -4.8743    3.711     2.155    -2.0908
  3.9814    1.0323   -0.54991  -0.69085  -1.5345    1.8725    3.7269
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 -4.7878    1.0971   -2.746     0.81131   3.804     0.45512   1.5988
 -2.6362    0.36051  -0.30548   6.0906   -1.1489    1.5066    3.0676
  1.0247    2.4549   -4.9293   -0.63731  -1.839     2.1306   -0.89308
  5.3374   -1.9693   -0.34794  -0.20878  -0.087571  2.2726   -4.2796
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 -0.40251  -0.97623   7.9469    2.3592    5.1512    3.567    -0.86456
 -0.7876    4.6266   -1.3143   -1.8743   -1.9104   -0.97073   1.4317
 -2.5322    0.41697  -2.8533   -0.31912   1.0164   -4.2201    0.34623
  3.0919    0.8394    0.53506   0.39613  -0.48419   0.38782   2.0507
  1.6377    0.37075   1.458    -2.0894   -2.3122    2.205     0.17417
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  -1.1346     5.7404   -13.528      1.6049     8.5311     9.7783
  -9.2993     7.8995     9.2008     7.1049     5.2999     0.86902
   3.1056    -2.2583    -1.9222    -1.4171    -7.0092     2.8879
  -3.183     -1.3161     2.3259    -1.1795    -7.092      1.9423
   1.8216    -4.8254    -7.5235    -0.84886    4.5312     1.9135
   2.9552     4.4891    10.217     -2.96      -3.3069    -2.7001
  -1.1647    -0.45238   -6.094      5.4798     6.3447    -6.6854
  -0.11899   -5.8058     4.4014     3.0621     2.9354   -11.946
  -8.3546     2.4467    -5.132      6.9005     2.5801     1.1996
   1.3641     0.11834   -5.3512    -5.4763     8.7976     5.5072
  -5.9953    -9.1504    -0.25448   12.837      0.10457   -4.4686
  -2.5715     7.7255     0.38161    4.9269    -5.2067     5.169
   2.3697    -1.0369   -12.287     -1.4901     3.2734     2.0093
  -3.1078    -4.3184     2.5338     1.5581     0.62029    5.0358
   5.5006     0.61517    4.5011    -3.2031    -0.098162  -0.65342
  -0.54025   -2.5229    -5.35       0.95603   -9.6948    -0.64818
   1.3117     1.7537    -1.0751     7.2137    -6.5743    -9.1468
  -8.2754     0.11354   -0.45148   -6.3983    -7.6525    -1.8904
   1.6243    13.6       -1.7801    -4.6453    -3.0253    -4.5049
 -16.652     -3.4548    -0.63085   -3.4605    -1.7531    -1.6933
  -3.8324   -12.675      3.1983    -1.3624    -4.2016     0.78629
   3.2596     2.684      5.3014    -1.4205    -2.9106   -11.88
   7.6026    -2.855      1.1374     4.3051    -2.5869    -3.8499
   2.9799    -3.0837     2.1445    -3.7141     6.4864     1.6891
  -2.0248    -0.081664  -1.7298     3.2609    -5.0084     0.21367
   5.6737     0.55285    3.7836     0.22727   -1.25       3.9129
  -2.208      1.9757     1.8152    -0.94047   -8.1886     5.5113
```

```
  0.77146   -7.4135    -5.0367    -1.4917    -1.351     -6.5039
  1.5767    -4.1715     6.3272     4.245     -3.6222    -0.62721
  1.9228    -6.0263     1.3497    -6.8752    -0.87475   -4.7068
 -2.6748    -3.3073     3.3392     5.0506    -1.9428    -1.5702
 -2.172      3.702     -2.0907     2.3813    -4.6545    -3.0526
  2.5367    -5.8471   -13.372     -2.2955     3.4435    -3.3195
  3.1869     1.4667   -11.138     -1.9642     2.5428     2.3239
 -1.4955    -4.0322    -0.82668   -2.7416    -4.5519    -2.4164
  3.1886    -8.5201     1.4772    -1.0011    -2.2932    -4.0874
 -0.74083   -4.3895     4.3167    -6.5159     0.48752    1.5573
  6.6279    -0.66866    1.3537    -6.7085    -1.0848    -3.1044
  2.0499     1.4047    -4.5574    -1.1771     5.2982     6.0734
-11.392     -0.14276   -7.8292     5.4092     4.3613    -2.0782
 -4.5709    -3.3603    -4.6338    -1.0563     2.3923    -4.2328
 -5.9711    -6.1783     1.9557    -6.2715    -1.564     -4.2312
 -0.42536   -4.2062   -15.434      6.6492    -6.3228    -3.1696
  1.9379    -0.25363   -3.818     -1.9923    -4.9506    -4.7265
  4.4008    -1.7078    -0.58909   -1.6294    -5.178     -6.8257
 -1.4267    -1.8507     0.84699    4.2728    -2.1752    -3.4627
  1.8198    -0.88728    5.6152     2.4474     4.4509     4.8182
  0.66135    4.2731     1.6044    -1.1714     1.4227     3.9463
 -0.93175   -4.8569     0.77048   -7.3877    -1.8429    -2.4605  ]
cases [  3.7        4.3509    -6.0748     5.3694    10.446      1.1948
 -1.6012     9.0173     0.44964   -0.21451    4.5288    -2.6678
 -6.2574    -3.387     -1.6989     1.7915     3.3563     2.775
 -5.6477    -2.6377    -0.86284    1.0215   -10.277     -0.07803
 -2.6286    -4.3831     5.6052     1.2714    -2.9162    -8.2402
  7.1614     4.5042    -4.4864    -0.042524   0.27623   -4.2137
 -1.8618    -0.86495    2.9468     0.49305   -3.1411    -2.8423
 -7.5964     3.6685    -4.8561    -2.8273     4.3472    -0.71526
  4.7552     6.82       0.37598   -0.47838    2.2147    -7.145
 -3.6226     4.7434     4.6695     3.2284     6.7073     0.71708
 -3.0438     5.6726    -6.1629    -3.1858     5.1311     3.9983
-10.796      2.549     -3.6984     6.8527     4.9934    -0.61573
 -5.6268     2.1147    -5.2751     3.1241    -5.928     -3.7286
  0.93818   -2.2434    -4.2697     1.4405     1.8727    -0.91542
  2.4457    -3.1863   -12.727      0.79206    5.6209     1.9059
 -0.43749   -1.6536    -2.3776     0.75372    2.2003    -1.494
 -2.1111     1.2706     1.6763     5.3606     0.48869    0.56198
  7.5686    -2.0568     0.34327    4.8967    -1.653     -2.3941
  2.7877    -4.2496     2.0452     1.694     -2.5092    -4.889
  1.8646     1.153     -4.4857     5.3477     4.248      5.2146
  3.2927     1.6623    -2.885      0.6224    -2.7914    -8.1604
 -3.0573    -2.0077     6.8176     1.0479    -4.9033    -3.419
  2.4768     2.2846     1.0348     0.94429   -4.6713     0.29863
  3.2896    -4.9017    -0.96494   -8.0276     5.9196    -3.199
  1.1596    -3.2038     1.219     -7.4078     2.9011    -4.6589
 -0.43104    1.5842     2.2392     3.3738     3.8345    -2.6066
 10.119      0.99706   -5.5869    -3.6415    -3.9764    -1.4427
  3.748      6.0613    -5.7678    -0.45898   -3.3211     4.6525
  2.9191     5.9526    -3.2045     4.3865    -4.854     -4.649
  1.8069     1.8189    -4.0162     2.4892    -3.6943     1.1238
 -0.92734   -8.352      1.607      3.5425     0.32733    2.8204
 10.113      2.9576     3.0157     2.7214    -2.4006     1.2461
 -4.3563    -1.9096     2.2317     3.8785     0.079819  -3.7914
  0.49842    7.9537     1.6867    -6.7947    -3.1        0.97768
  7.4017     7.7918    -3.657     -1.8384     0.99933   -3.3301
  1.477     -5.9499     4.1867    -2.2117     4.5779     2.5983
  9.2643     0.89941    2.1888    -4.6878    -3.8253     1.2224
 -1.5199     0.10874    3.177     -0.17674   -0.24683   -2.6861
```

```
  1.8112    -2.0321     2.005     -5.3424     0.55939    0.15537
 -1.0925     7.4748     3.4621     2.7443     8.3033     0.72589
 -6.0309    -2.7945     4.0864     4.3501     0.38187    6.645
 -5.0171     7.4583    -3.4441     2.6916     0.74577    1.8075
 -8.2478    -6.4364    -1.2805    -3.1894    -0.28475   -0.43916
  3.7306     6.6936     1.3469    10.116      4.3362     4.6453
  3.4199    -3.0037     5.8041     5.4036    -0.83706    2.9412
 -3.1015     5.6342     1.7609    -5.9732    -0.98665   -0.59798
 -1.3594    -1.6121     2.6201    -1.8433     5.7405     0.78543
  3.35      -1.184      8.7181     2.7004    -2.8137     1.1163
  2.6833     2.623      9.3184     2.4909    -0.80655    1.0187
  0.26408    6.8467     0.8448    -3.4626     3.5473     3.2375  ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
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 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
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 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
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  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
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  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
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  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
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 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
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 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
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  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
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 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
implications [-0.019137 -0.67775   1.2227    0.53114   5.08      2.2005    1.2927
  4.8381   -1.3507   -1.2844    6.9276    0.44632  -3.5189   -1.0927
  1.4712    4.517     5.19      1.4406   -5.0292   -0.35957   1.4422
 -1.7678   -5.065     2.1366   -2.9979   -3.8728    0.969    -1.3849
 -4.1416    1.4285    1.6687    1.234    -0.012431  0.56761  -1.3475
 -5.3952    2.4424   -0.39049   0.58597   0.40126   2.5122   -0.051492
 -1.1077    0.022593 -3.6542    2.2246    4.4379   -2.3109    0.22038
 -1.1863   -2.2959    3.6503    0.022507 -4.1604    0.59054   1.1177
 -2.4582    4.1739    1.4032   -3.8897    2.1718    1.6551   -1.8488
 -0.82993   2.5049    1.7759   -2.8418   -4.5511    2.1035    2.872
 -1.3604    2.2485   -3.1124    0.50254  -3.4085    2.7458   -1.9236
  0.94204  -2.7489   -1.2578   -2.5056    0.8736    0.1038    2.4286
  2.5183    0.096314 -5.5855   -4.3474    4.2445    0.2656   -0.40591
  1.8064    4.5967   -3.1032   -0.70655   1.9911   -1.0081    2.1174
  2.0177    1.8746    5.64      1.0988    2.6115   -0.18947   1.4536
  7.8462    1.3965   -4.1514    0.10758  -3.3417    3.6013    1.4326
 -3.8481    1.1655    1.3686    4.3906   -0.4176    0.12035  -0.46353
  0.12487  -2.4713   -2.1897   -0.12989  -1.752    -2.61     -2.3542
  0.41827  -2.0555    2.4137   -2.5371   -2.9866   -0.1225    3.987
 -0.56333   1.7757   -0.1617   -1.1731   -1.6585    0.84266  -0.287
 -0.76808  -1.5944   -0.70937   2.8329    0.2562    1.222    -4.5047
 -0.53177   3.1535    4.4362    1.0375    3.2126    0.087969  1.9339
 -1.7915   -0.28321   2.0389   -0.1162   -0.71288  -2.2871    0.13176
  0.74459   0.70753   2.5163   -1.7958   -4.0556   -3.8013    1.2731
  2.6352   -2.7919   -1.8989   -3.3656    1.6529   -0.42736   3.7236
  3.0277    1.3717    1.5491   -4.0812   -0.80465  -0.36671  -0.25914
  2.478    -1.6814   -0.20901   2.0596   -1.6454    1.7722    1.4957
  2.1266   -2.3148   -1.9905    2.5132   -0.77905   2.3727    1.0964
 -2.962    -1.8172    1.0838    0.5093   -0.55366  -0.18847  -1.6067
 -1.9976    5.3453    1.4727   -3.4213    0.87293  -0.34552  -2.5817
  1.812    -1.2783   -1.9948    1.876     1.2186    5.1903    2.8453
 -4.9811    3.8276    2.375    -1.2631    1.34     -0.73135  -0.9164
  0.75968   0.12064  -0.79727   2.5482    2.3908    0.16258   4.0969
 -4.1769    1.2074    0.21206   4.32      0.43072   1.5601   -0.036046
  3.5354   -0.69065  -2.846     1.4983    3.1248    2.714    -0.1913
  0.45963  -1.8088   -0.25022  -2.518     3.087     0.60722  -2.9796
 -3.6133   -2.6818    1.4228   -4.6723    1.4435   -0.16979   0.24743
  2.2211   -2.3792    5.4938    6.1623    5.8992    2.9507   -0.07426
 -0.71401   2.795     0.061777  1.3635   -0.84988  -0.04785   2.316
 -2.8749    4.0847   -1.0908    1.6635   -5.3062    0.089586 -0.4899
  4.3234    0.67879   2.7327    0.29044   1.3789    1.1499    1.1708
  1.3264   -1.2047   -0.87982   1.2153   -3.8564    0.35468  -0.091615
 -1.3895   -0.32225   2.3275   -4.932    -0.76255   1.4552  ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
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  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
inserting [-1.9879e+00 -1.1724e-02 -2.4099e+00 -4.7706e-01  3.4803e+00 -8.9533e-01
  1.2987e-01  3.4036e+00 -1.1366e+00  1.8405e+00  6.0263e+00  2.2747e-01
 -5.8333e+00  4.0874e+00  1.2120e+00 -1.4226e+00  2.3450e+00 -7.2627e-02
 -6.8236e-01 -5.3255e-01  7.8689e-01 -7.8616e-01  2.0719e+00  2.7007e+00
 -4.0654e+00 -7.3116e-01 -1.8497e+00 -1.5616e+00 -6.4161e-01  1.0343e+00
  1.1206e+00 -1.0669e+00 -3.3050e+00 -2.8306e+00 -8.7712e-01 -2.0819e+00
  3.0643e+00  1.0989e+00  3.1507e+00 -5.1184e-01  4.1688e-01 -5.1909e+00
  1.0361e+00  1.7162e+00 -3.0501e+00  3.0338e+00  3.7252e+00 -7.2462e-01
 -1.2563e-01  2.8517e+00  3.1822e+00  2.8892e+00 -1.6035e+00 -4.2906e+00
 -4.4339e+00  4.5857e+00  1.4913e+00  4.0936e+00  1.1062e+00  1.4704e+00
  1.5961e+00 -1.7842e+00 -2.3844e+00 -2.5436e+00 -1.0103e-01  2.0659e+00
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  3.6205e+00  2.4482e+00 -1.9855e+00  1.5950e+00  1.2005e+00  8.1383e-01
  5.8851e+00  3.7672e+00 -9.5737e-01  6.7638e+00 -3.2431e+00 -1.7609e+00
 -2.0028e+00 -5.3777e+00  7.4246e-01 -7.3681e-01 -3.2729e+00  1.0310e-01
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 -3.4491e+00 -1.8767e+00 -5.9191e-01  4.2947e-01 -9.3174e-01 -1.5744e+00
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  4.4030e+00 -1.0857e+00 -2.3569e+00 -6.8646e-01 -3.9475e+00 -4.4184e+00
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```

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  2.0513e+00 -2.1451e+00 -1.0968e+00 -5.2096e+00  2.1321e+00 -2.6229e+00
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  8.4977e-01 -9.0611e-01  1.3086e+00  1.7052e+00 -4.1395e+00 -1.5574e+00
 -1.1565e+00 -1.2031e+00  1.1877e+00  4.3726e-01 -2.9444e+00  2.6543e-01
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 -1.1863e+00  5.6876e-01 -2.3005e+00  4.2903e+00  2.5942e+00 -5.1332e-01
  2.4201e+00  4.1962e-01  2.8335e+00  2.5129e+00 -3.5118e+00  2.0120e+00
  1.5674e+00 -2.1754e+00  2.0551e+00 -1.1781e+00 -5.7080e-01  7.6891e-03
 -1.8474e+00 -3.6608e-02  3.2373e+00  3.3814e+00 -9.6023e-01  3.1167e+00
 -1.9131e+00 -4.6534e-01  2.0643e+00 -2.1583e+00 -8.0165e-01  1.5854e+00
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 -6.1133e-02  2.1953e+00  5.1352e-01 -4.0668e+00  1.2553e+00 -7.2003e-01]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
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  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
rapidly [ 3.8872e+00  2.0219e+00 -1.9658e+00  1.3952e+00  3.1711e+00  9.8040e-02
 -2.1484e-01  5.6747e+00 -2.7549e-01 -1.6992e+00  2.0205e+00  2.7275e+00
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  3.0685e-02  9.8620e-01  1.3140e+00 -2.1626e+00  4.4475e-01  2.4036e+00
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  2.0528e-01 -1.6805e+00  1.9634e+00  3.8357e-01 -1.3099e+00  4.5648e+00]
- [ -5.2115     3.509     -1.2917    11.139      9.1501     1.1503
   3.2131     6.7929    -6.0262    -3.2327    -3.6174     1.0954
 -12.318      0.65923   -7.3685     0.5602     4.9334    13.741
  -1.1485     4.4696    -3.002     10.612    -14.567      3.1338
  -1.4212    -2.5704     1.8096    -4.6863     5.928     -2.7407
 -12.587      4.1561     8.9321    -7.1883     0.48274   -2.0225
   3.0982     2.3273    -0.90961   -2.7857     1.6639    -7.5646
  -1.4852     3.8033     4.1028   -11.09      -8.4688     6.1382
   1.6046    -2.8707    -0.21798   -0.43158    4.3357     2.9387
  -1.3945     6.483     -2.3703    -7.9359    -2.4134    -4.5686
   2.5469    -1.0658    -4.7524     4.2583    -2.5141    -6.4328
  -4.4344    -0.57122    2.3779     1.2762    -2.1617     3.5557
   2.7753    -5.5144    -1.7967    -3.2179     4.552     -5.2955
   4.2247     4.9469    -3.2672    -0.30008   -3.776      0.34031
  -2.4181    -6.8217     2.9739    -8.9086     4.4042    -4.3253
  -7.2514    -2.7034     6.6008     1.238     -0.16328    1.7656
   2.8992    -0.87305   -0.36077   -1.9866    -3.6481     0.041541
   2.0401     7.9944     2.786      8.1932     1.0418     3.8907
  -5.7529     0.39533    2.7792    -3.8131    -7.1711     0.97528
   2.2748    -2.7119     2.629     -5.0289     1.6314    -8.3033
   3.4731    -4.1805     0.79049   -3.9219     0.17631   -4.7043
   0.048974  -8.3679     3.6331     0.91802   -6.3786    -0.40668
   8.5661    -5.9701     2.9049    -7.041     -5.2132     0.74682
  -4.1184     3.6969     3.8056    -0.10026    8.2003    -2.3049
  12.646      8.2846     0.25887    3.6498     4.5837     3.2291
   4.7599    -0.63223    4.2855    -2.0241    -3.9117     1.0941
   5.4943     3.8191     1.723     -6.4652    -6.1771    -2.1565
   6.3491     0.64368   -3.2896    -3.762      2.6925     0.89335
   6.6678     9.514     -6.1071     4.3812     3.4277     0.52672
   2.5942     5.591     -3.1447    -2.8484   -10.158      6.0053
  -3.7678    -0.40312   -0.55548   -9.0128    -9.7668    -1.7377
  -4.7025     2.8146   -10.786     -7.3049    -4.1135    -1.5667
  -3.9426     3.7914     7.4403    -2.0363    -1.2104    -6.4163
  -3.2442    -6.4855     1.1976    -2.7778     4.4688     5.3389
  -1.2246    -3.9563    -1.283      1.915      3.6925    -4.9619
   0.077764  -0.41471   -2.3976    -3.7691     5.9627     6.0228
   3.8399    -2.775     -1.3657    11.199     -2.8652     2.8493
   1.3457    -1.4457     1.0525    -0.33299    7.3896     4.4483
   2.8473    -9.6656     2.2702     7.6748     1.3152    -4.467
   4.6329    -2.7707    -3.7        1.0032    -3.8883     1.323
  -0.21593  -10.718      1.2303     2.2457    -3.8669    -5.8703
  -8.3945     4.5153    -5.3671     7.9679     0.83402   -1.1374
  -3.5927     8.1642    -0.23903   -1.3902     5.9613     8.6626
   2.5889     2.9036    -6.9527    -0.88525   -0.9635     8.4359
   2.4074    -4.3881    -2.8896    -3.7757     0.065073  -5.448
  -0.80732   -3.4176     1.9292    -1.1542    -6.3562     0.84221
   0.97688    1.9811     1.9829    -7.2728     2.5094     0.74862
  -4.9351     1.0924    -1.6413     1.2245    -6.4769     6.0079
   2.7891     3.2304    -1.0285     1.8916   -11.857     -2.5915
  -1.2512     3.7854    -1.9479     1.1714     1.7961    -5.0412  ]
evolving [ 7.0279e-01 -9.7776e-01  3.8681e-01 -3.1034e+00  2.1143e+00  1.1390e+00
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 -3.3153e+00  1.1892e+00  8.4420e-01 -4.4769e-03  4.0163e+00  5.1227e-01
 -2.6118e+00  1.9860e-01 -3.2352e-01 -2.8617e-01 -7.5891e-01 -3.3890e+00
 -3.9390e+00 -3.1523e+00 -6.8315e-01 -2.2911e+00  1.2917e+00  1.2396e+00
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  2.3692e+00 -1.8130e+00 -4.2920e-01  7.9545e-01 -1.9255e+00  1.1376e+00]
technology [ 1.9411e+00  2.4264e+00  1.7675e+00  5.9659e-01  5.5671e-01 -1.1929e+00
  2.0295e+00  6.1399e+00 -3.7626e+00 -3.4315e+00  6.8511e+00  3.1225e+00
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  4.9270e-01 -5.9740e-01 -1.5671e+00  7.9730e-01  2.7149e+00 -9.5048e-01
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  4.7469e+00 -4.9756e+00  4.5544e-01 -4.0785e-01  4.2540e+00  1.1620e+00
  4.3357e+00 -3.2422e-01  2.7408e+00  2.1290e+00  2.7563e+00  2.8115e+00
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  -3.7518     4.25       6.8871    -4.9888     4.0453    -0.88488
   2.2608    -2.5604    -2.4978    -2.2576     2.9536    -5.0142
   2.1881    -5.8642     0.52385   -3.2123    -0.59597    4.52
  -6.0191    -0.90057    7.1962    -2.7551    -3.5459    -1.1135
  -2.5027    -2.0853    -0.65078   -2.1594    -0.31312   -4.9015
  -0.049623  -1.7673    -0.67707    2.7969     1.7418    -1.3921
   3.0114     4.1757     1.9363     4.9001    -7.9296    -5.2343
   0.1456    -0.20181    1.6749     5.9594     2.0156     0.58839
   0.11949   -5.0145     0.63893   -4.3446    -0.30239    5.3306
  -2.437     -0.37473   -0.06389    1.683     -4.3605    -4.5886
   3.9013     9.5609     1.9297    -2.472     -5.0609    10.872
  -3.6901    -4.688     -4.9425    -1.0496     6.3447    -1.7606
  10.791     -3.8864     2.4495     0.43963    3.0285    -5.6808
  -2.1543    -1.5496     6.3107   -12.016     -0.59636   -2.3779
   9.0295    -0.041394   0.1387     3.4279    -4.2805     3.6497
   0.99341    3.3814     6.2282    10.481      1.3098    -2.3428
  -0.16963  -11.39      -1.9239     3.9099    -5.011      1.511
   0.17019   -3.5357     2.93      -7.7959     3.5921    -3.631
  -6.9597    -3.2849    -5.8517     4.025     -3.9841    -1.3791
   5.2627    -4.0777     2.7987    -0.13951   -2.6        0.54083
   3.1831     2.1023    -0.96757   -1.4644    -2.777      3.2153
   7.2594    -2.3796    -2.3914    -7.9792    -6.4479    -0.7813
   9.3921     1.3963    -8.8758     2.1839     4.5513     4.3939
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 -4.2023     0.17014   -7.1181     3.1045    -3.5652    -4.4233
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  2.8945     0.2947    -2.0726     4.8049     6.1767     6.3403
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 -2.8466    -2.789      1.1424     2.2407     1.0913     1.3982
 -8.2515    -2.6647    -2.4266    -4.0119    -0.26315    6.4158
 13.223      3.2103     9.3339    -6.6459     2.864      3.3157
  7.4646     0.17661   -8.5939   -10.381     -3.3776    -2.6964
  2.0844     2.8374     1.9447    -0.8692    -6.5045    10.846
 -0.45112    1.1419     0.93568   -7.0013    -2.9709     2.8413
-11.957     -1.7035    -2.8314     1.5652     3.3744     7.2213
  0.91372   -5.5884     0.77404   13.332      1.2589    -0.28482
  7.3112    -8.0229    -8.1066     0.018764   1.1929     1.0361
  8.082     -8.2071     2.8015     1.6255     5.0112     4.2843
  0.85892   -1.4451    -3.3328    -3.0171    -3.1387    -7.663
 -0.63517   10.057     -8.0637    -0.017125  -8.2309     3.7005
 -0.053786   5.1826     2.8342     2.3564    -1.4681    -2.8855
 -2.516      3.3768    -0.7741    -1.6846    -1.3407     2.7786  ]
defense [-2.8380e+00  1.8444e+00 -4.9189e+00  3.3119e+00  6.4726e+00  5.7968e+00
 -2.9547e-01  3.1433e+00 -3.2767e+00 -4.1807e+00  4.1064e+00  4.1060e+00
  7.5219e-01 -6.0618e+00 -5.3894e+00  2.6421e+00  2.5657e+00  1.4450e-03
  1.6916e+00  2.0518e+00  6.3413e-01  3.6439e+00 -1.0390e+00 -2.3769e+00
  1.9901e+00 -2.4477e+00 -1.0227e+00 -2.3037e+00  1.0545e+00 -4.9473e-01
  5.9119e+00  6.4810e-01  4.2059e+00 -1.6217e+00 -2.2373e+00 -4.7527e-01
 -1.5157e+00  1.3558e+00  3.6511e-01  1.4511e+00  1.1119e+00 -2.8429e+00
  2.5227e+00 -2.2551e+00 -4.0857e-01 -1.3809e+00  1.0808e+00 -1.7659e+00
 -1.2098e+00  1.0802e+00 -1.6816e+00 -7.6995e-01  5.3965e+00 -3.0304e+00
 -2.5484e+00 -1.9815e+00 -3.7765e-01  1.2185e+00  7.7543e-01  1.6177e+00
 -8.0421e-01  1.0422e+00 -2.8801e+00 -5.1420e+00  6.0908e-01  2.3181e+00
 -3.7637e+00 -2.2895e+00 -1.9390e-01  3.5159e+00  1.5005e+00 -3.8121e-02
 -5.5123e-01  1.8333e+00  1.6369e+00  2.1399e-01 -3.7192e+00  3.1323e+00
 -3.0737e+00 -2.8001e-01 -4.1721e+00 -5.6270e+00 -4.3270e+00  6.0706e+00
 -1.3450e+00  2.5631e-01 -2.3212e+00 -2.1269e+00  2.1706e+00  1.6137e+00
  2.0129e+00 -2.2687e-01  4.7897e+00 -5.1393e-01  4.9997e+00 -2.0554e+00
 -1.4282e+00 -2.6927e+00  7.3620e-01  1.5012e+00  7.5729e-01 -2.9872e-01
  4.2190e+00  5.6643e+00 -7.8686e-01  1.8514e+00  3.6916e+00 -2.1926e+00
  1.5140e+00 -6.1234e+00 -1.7535e+00 -3.5660e+00 -2.4759e+00  1.5138e+00
 -2.7931e+00  4.3970e+00 -5.1639e+00  3.9647e+00 -1.4070e+00 -2.3372e+00
 -2.9202e+00 -4.3267e+00 -1.3009e+00 -2.9541e+00  2.0538e+00  8.1289e-01
  6.3519e+00  6.2302e-02  2.1236e+00 -5.0735e+00 -5.0382e+00 -1.2825e+00
  2.6101e+00  1.0292e+00  1.6390e+00  1.8861e+00 -2.0874e+00  6.3655e+00
  3.5104e+00 -1.5022e+00 -3.7462e+00 -1.4898e+00 -2.8333e+00  7.6313e-01
  4.6247e+00  1.2154e+00 -6.6232e+00 -1.4283e-01  8.3140e-01 -1.7848e+00
  9.1445e-01  4.1735e-01 -4.1384e+00  4.4500e+00 -1.2892e+00  1.4613e+00
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  1.1262e+00  2.3013e+00  9.6244e-01  3.7630e+00  1.3005e+00 -1.7082e+00
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 -1.2770e+00  2.1098e-01  2.0545e+00 -3.6100e-01  1.8299e+00 -4.4292e+00
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 -1.0378e+00  9.1727e-01  2.1347e+00  2.4497e-01 -7.7857e-01 -1.4518e+00
 -1.0626e+00  2.7945e+00  3.1486e+00 -3.4190e+00 -1.7370e+00  4.6564e+00
 -3.1390e+00  2.6743e+00  8.7534e-01 -2.5471e+00 -7.0799e-01  2.9763e+00]
applications [-4.5309e-01 -2.4266e+00  9.0603e-01  3.3048e+00  3.8376e+00  4.6808e-01
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. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
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  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
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 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
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 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
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 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
  6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
 -1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
 -1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
  2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
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 -5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
  2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
 -3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
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  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
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  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
The [-7.2681e+00 -8.5717e-01  5.8105e+00  1.9771e+00  8.8147e+00 -5.8579e+00
  3.7143e+00  3.5850e+00  4.7987e+00 -4.4251e+00  1.7461e+00 -3.7296e+00
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  2.6394e+00 -1.5258e-01 -2.6182e+00 -2.6268e-01 -2.1610e+00  2.3950e+00
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 -1.7138e+00 -4.6690e+00 -5.5212e-01  5.3995e+00  1.8311e+00 -3.5820e-01
 -3.6578e-01 -2.8578e+00 -6.4639e+00 -3.2155e+00  6.7083e-01 -1.2800e+00
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 -1.8212e+00  1.6629e+00  4.0354e+00 -4.4648e+00 -3.4897e+00 -2.5765e+00
 -3.6317e+00 -4.1619e-02  4.8660e-01  2.0712e+00 -1.9166e+00 -3.4045e+00
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 -1.1271e-01 -6.0462e+00  3.9285e+00 -3.0423e+00 -6.9939e-02  2.2826e-01
  8.0214e+00  2.2098e+00 -1.1049e+01  7.6001e-02 -1.5970e+00  2.0524e-01
  2.8063e+00  3.5245e+00 -3.9300e+00 -9.7995e-01  4.0248e+00  1.8447e+00
 -2.0452e+00  1.1419e+00 -4.4600e-01 -9.5551e-01 -1.0224e+00  5.9224e+00
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  4.0212e+00 -1.1166e-01  2.5119e+00 -5.9635e+00 -1.2320e+00  2.8199e-01
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  8.8719e+00  7.2337e-01 -1.2350e+00  1.6209e+00  7.8994e+00  1.0741e+01
  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
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 -3.7632e+00  2.3978e+00  1.8883e+00  2.1187e+00  2.7418e+00 -6.7561e+00
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 -3.1210e+00 -1.6559e+00  7.5244e+00  1.9563e+00 -3.0018e+00 -1.3029e+00
 -4.5855e-01 -2.4979e+00  2.6839e+00  4.2653e-01 -3.9990e+00  5.3693e+00]
in [-3.7766e+00  6.9426e-01 -3.3805e+00  2.7050e+00  8.6019e+00  2.8878e+00
 -4.6254e+00  9.0990e+00  1.1907e+01 -1.3739e+00  9.5450e+00  1.9530e+00
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  1.1303e+00  8.2944e-01  4.0794e+00 -2.8201e+00 -7.0784e-01 -1.6303e+00
 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
charge [-2.8429e+00 -4.1827e-01 -2.8741e+00 -9.5679e-01  3.6899e+00  2.2175e+00
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  1.9798e+00  1.4865e+00  7.9112e-01  1.2815e+00  1.6983e+00  1.7011e-01
 -2.4309e+00 -2.5180e+00 -1.2240e-01 -1.5026e+00 -2.7813e-01 -6.2185e+00
 -1.6432e+00 -5.1312e+00 -9.3024e-01 -2.6726e+00  2.0203e+00 -2.7214e+00
 -7.4772e-02 -1.9180e+00 -3.2205e+00  2.2913e+00 -7.7191e-01  1.9350e+00
 -2.0806e+00  2.4957e-01 -3.5096e+00  2.5513e+00  5.2512e-01  3.0432e+00
  4.7440e+00 -1.3801e+00  1.6089e+00  2.3889e+00 -2.6634e+00 -2.1636e+00
  1.5959e+00 -2.5715e+00  1.5827e-01 -4.5149e+00 -1.8916e+00  2.5210e+00
  8.3098e-01 -1.4093e+00  3.8470e-02 -4.1611e+00 -1.9880e+00  2.9231e-01
  2.7049e+00  7.4490e-01 -3.7494e+00  1.1398e+00 -1.3782e+00 -7.3223e-01
  3.1741e-01  1.3152e-01  6.7439e-01  3.2486e+00  1.3581e+00  4.0785e+00
 -2.0593e+00  2.0906e+00  1.1970e+00  5.2631e+00  3.1875e+00 -3.3913e+00
```

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 -3.8540e+00 -2.3295e+00  2.9124e+00 -7.3007e+00 -1.1810e+00 -2.4513e+00
 -3.7284e-01 -7.1895e-01  2.4095e-01  5.9900e+00 -3.0220e+00  2.1729e-01
  4.6216e+00 -2.9121e+00  2.8781e+00  7.7923e-01 -2.8957e+00  3.1890e+00
 -1.7862e+00 -5.4416e-01 -1.0184e+00  1.9460e+00  3.7744e-01 -1.4126e+00
  1.5215e+00 -2.9553e-01  1.3914e+00  4.2714e+00  1.5663e+00 -1.7387e+00
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 -3.7992e+00 -2.4690e-01  5.2177e-01 -8.1664e-01  2.3503e+00 -2.7764e-01
 -4.2065e+00  4.1713e+00  2.7832e+00  2.1110e-01 -1.9636e+00  3.0091e-01]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
that [-1.1026    2.9549   -2.8606   -1.3667    1.4727    0.71738   3.4901
  6.3061   -3.6046   -3.629    11.365     2.7854   -6.7335   -1.0798
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  3.56      -0.40263   1.8463    -0.52346  -2.7275    0.36712   1.2417
  1.6445    -2.3611   -4.022     -2.4729   -5.3637   -2.0399    1.1219
 -4.464      2.2932    3.4888    -2.4263   -2.653     0.40974  -1.8156
 -5.2315     0.45681  -1.26       4.727     2.8368   -2.6598    0.3576
  0.37915    1.7808   -2.3917     3.9518    0.53211  -4.7774   -4.6032
  6.1087    -1.9083    0.25249    0.50994  -8.7292   -3.5088   -2.6923
  2.9256     5.4577    1.7118    -0.79037   0.97334   0.66795  -0.029033
 -3.4519     4.1721    4.2327    -6.5873   -7.1016   -0.4353    4.821
  3.47       4.2195   -3.0069    -0.92575  -5.8411    4.2269   -4.0547
  3.3707    -4.5552   -1.2039    -6.2105    0.90598   2.9801   -0.20015
  4.4202     1.1304   -2.4904    -3.415    -0.16451  -2.3495   -1.7352
 -0.41598    4.9371   -8.3044     2.445    -0.21733   3.5243   -0.12813
  0.54667    2.1744    4.6216     1.1127    3.4166    0.083843 -2.8649
  3.4561    -0.83092  -1.9061    -1.1323   -4.5565    1.8586   -0.77585
 -0.8545     1.4706    1.2393     6.2904   -5.2298   -2.5541    1.6014
 -1.3459     0.34584  -4.1177    -0.76082   1.9928   -1.2981   -5.5654
  3.3592    -4.1773    0.70644   -4.0012   -5.0159   -2.4628    6.0541
 -2.8684    -4.2177    4.1829    -3.3499   -0.27111   7.4511   -2.8933
 -4.3003    -1.7229    1.7003     2.4668   -2.2459   -1.017    -3.8604
  1.8109     1.3996   -2.1237    -1.1071    6.766    -3.3148   -0.058031
 -2.9121     3.1677    4.0648    -3.3218   -2.887    -1.6031    0.49561
 -1.9848    -3.6298   -0.72379   -5.0131   -3.6774   -4.4376    1.5468
 -0.36992   -0.093664 -0.90482    1.9516    3.4298   -0.55738   3.7722
 -1.0096    -2.6668    0.58784   -1.5959   -3.5972   -1.0757   -2.1156
  3.8987    -0.29294   0.13559   -1.6104   -4.2491   -2.9298    8.7716
  3.4345    -0.093289 -3.3644    -0.19644  -1.0306    0.15347   0.93638
 -5.3707    -1.2678    2.3577     2.9923   -4.1331   -1.2342   -0.96967
 -2.126      4.1215    5.6283    -5.2027   -0.84736  -3.6309   -1.9085
 -0.1037    -1.2241   -3.8015     2.2133   -0.78845   5.9246    1.2909
 -1.89      -0.45187   1.0721    -3.0825    3.7724   -0.64483   1.937
 -4.4417    -1.5401   -0.95472    3.7788    1.1155    1.7082    0.24382
 -2.0952    -3.2531    2.4627     4.8855   -0.94774  -0.20248   6.7752
  1.0926     0.68681   1.4386     1.4026    1.8937    0.034888  1.1532
  0.79757   -0.30592   2.6138     3.062     4.6572    1.152    -0.22551
 -8.7277     3.5181   -0.82623   -5.8483    3.5101    2.3214   -1.3161
 -1.4044    -2.251     7.2008     5.9611    3.6875    2.9592    0.91469
  1.3636     7.8536   -8.4163     1.5133   -1.0745   -1.3165   -0.37429
 -1.912     -0.92598  -5.3115     2.2829   -4.0417   -1.8753    4.2258
 -0.34586    0.33832   1.9397     2.2132    8.4311   -3.032     4.8693
  0.5024    -2.2393    1.1843     3.2382   -0.25617   3.9037    1.7224
 -5.0489     3.0914    2.5741    -0.19013  -2.9214    2.5851  ]
effort [ 2.1152e+00  7.1126e-01 -7.2192e+00  3.2734e+00  8.3565e+00  1.8804e+00
  1.4815e-01  3.0919e+00 -1.8091e+00 -1.9246e+00  2.5889e+00  2.8952e+00
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 -6.3982e+00  1.9720e+00  7.4461e-01  3.4331e+00 -3.7256e-01 -3.3280e-01
  2.4359e+00 -2.3308e+00 -2.5980e+00 -6.2761e-01 -3.0672e-01 -7.3263e-01
  1.7477e+00 -2.9225e-01  5.2285e+00 -4.4587e-02  3.4444e+00  5.5361e-01
  5.3063e-01  2.6136e+00 -5.6607e-01  1.9584e+00  3.1421e-01  1.5374e+00
 -1.4925e+00 -1.5357e+00 -5.0605e+00  1.5799e+00  1.7829e+00 -2.9011e+00
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  9.7725e-02  5.8563e+00 -2.8417e+00  2.1265e+00 -4.1221e-01  5.6211e+00
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  7.9860e+00  7.4771e-01 -2.2343e+00  1.4561e+00 -7.0076e-01 -3.6863e+00
  3.0138e+00 -3.7545e+00  2.5456e+00 -8.0677e-01  1.5540e+00 -1.4771e+00
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 -5.3183e+00 -3.7183e+00  1.3020e+00  1.7765e+00 -1.0513e+00 -3.6445e-01
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  6.3798e+00 -4.7425e+00  9.8531e-03  1.1990e+00  2.6831e+00  2.6352e+00
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 -1.0162e+00  3.5501e+00  4.3866e+00 -2.5529e+00  3.0632e+00  3.9323e+00
 -3.7312e+00  6.1374e-01  4.4676e+00  4.7742e-01 -1.6200e+00  4.2195e+00
 -3.2135e-01  1.3874e+00  4.3570e+00 -2.8731e+00 -2.8328e+00  4.8751e+00]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
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   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
be [ -9.3526     3.6551    -3.2571     5.9911    -6.4846     7.1636
  -6.8778     5.8018     0.44651    2.9207     3.9148    -6.2731
  -2.715     -7.5783     9.1041     8.4921     0.2554    -3.7184
 -17.598     -5.4603    12.39      -5.4436   -12.536     -4.2497
  -9.4655    -2.057     -1.9049    -1.4071    -9.9376    -2.8373
   4.0462     3.933    -21.218     10.063      3.6847    -1.982
  -2.8951     4.1914     9.94       3.4236    -1.1198     4.9074
   0.12695    4.5187     1.0551    -6.3807    11.955    -20.982
  -0.79906   -3.4104    -2.8713     9.7351     1.0543   -19.779
  -2.6041    10.358     -7.4775     0.80235   -6.4462     6.5963
   2.6957    -1.4382   -14.456      7.0566     9.8913     7.3564
  -2.7102     4.7989     2.117     23.469     -9.483     18.556
   6.2634    -0.68159   -8.9222     3.1222    -9.9134   -13.277
 -14.698     -0.61453  -11.278     15.269     12.153     -6.4362
   8.3168    -0.57617   13.039      4.6912    10.783      9.01
   8.9161   -22.341     14.51     -13.179      8.3981   -12.374
   1.3767    -6.2885    -7.3373     3.4127    -6.9619     0.14025
   1.1062    -8.4468    -5.9806     5.8997   -14.608     -4.3463
  -2.4014     1.1681    -6.5925     5.7863    -6.0112     4.3464
   1.8992     6.6762   -19.689     -8.1288    -0.47884    2.9776
  -7.7057    -5.3311    -3.163      1.8049   -13.747     -7.7368
   4.6773     7.0958    -0.12492    8.9914     0.057951  10.575
  -4.3069    -3.9989   -12.594     -3.7506   -13.177      2.4683
  13.555      6.6845    -5.1778    -1.6986     2.911     -9.5964
   2.6086   -16.294     -2.7324   -16.234      4.2044    -0.61636
  -1.5742     2.7457    -6.331     13.058      0.43878    3.8143
   5.8193    -0.86261   -2.4524    -6.0752    -6.5281    -2.0051
 -11.717     -6.7138    -9.3846    -5.5737   -23.195     -8.2222
   7.2239    -0.78353    2.1891     3.9541     2.3293     2.673
  14.28      -5.1953    -2.9145     1.2234     8.5788    -9.7768
   1.2007     1.3975     1.5516     4.6011    10.246     -7.4564
   6.4294    -9.424     16.276     19.669    -10.695     -4.1896
  -4.3465     2.1809     1.3355     0.89022  -11.424      5.3054
  -1.0236    -4.0745   -11.403      9.2941    -2.9423    -1.6396
  -6.3623     5.7996    -7.8407     1.1229    -8.2714     8.2435
  -3.1096     1.6742    -4.314     14.231     -2.228     -1.1961
   7.9856    -8.366     -1.8845     6.8101    -0.27822   -9.636
   5.753     -4.7637    -2.5273     3.2163    -8.4082     9.0843
   2.4414    -1.5656     3.2841   -13.151     -0.22789    5.2239
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  -3.0686     3.1545   -10.091     -1.0263    -5.8367    -6.5495
 -11.279      5.0036     3.2708     9.3458   -11.598    -14.334
  -6.3938     6.2889    24.726     18.409      0.88376    1.6211
  -1.5313     5.2386     4.2653    -8.2703    -2.2532     8.3013
   4.068     -6.9995     0.92292   10.527     11.084      5.0838
   8.7199    -4.2912     6.5145    17.065    -14.813     -9.5256
  13.802    -13.014     -9.3042    -6.6577    -4.0327    -8.4919
  -9.6338     8.3126    -3.6277     8.0586     0.76819   -9.4156
  -2.7627     2.215     15.5      -13.929     18.177      7.2288
  10.556      6.9498    12.967     -9.9268     3.3723    14.011
  -4.4623     8.0295     2.123     -5.4425    -0.48176   11.279   ]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
   1.5755     7.9405     8.0812     2.6194    17.189      5.1028
  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
   0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
  -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
  -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
  14.441    -13.343      1.224      3.2356    10.772     -3.7069
   7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
  -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
   3.2295    14.775      2.1246     7.2148     3.6015     3.3317
  11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
   7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
   3.1062     0.87365   11.799     -3.936      5.7646    10.454
   4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
  -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
  -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
  -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
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   3.9176     4.8105    -4.4885     3.2401     2.1087     6.5324
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  -3.9734     1.8297     5.8952     1.2496     3.2958     0.030106
  -1.162     -1.4982    -1.3581     2.5729    -4.4691     2.4734
  -7.4885    -3.4676    -0.53598   -4.7145     2.3582    -3.3043
  -1.4018    -1.6854    -1.849     -8.1435     2.9397     1.2055
  -1.2674     0.91577   -4.5172     5.8075     1.1925     1.8979
   6.1388    -1.0358    -4.074     -4.2188    -5.163     -4.5361
  -3.4362     0.93389    0.064014   7.9496    -0.030416  -4.0014
   6.7745     3.6638     2.012     -0.11265    1.8488     7.2057
  -0.16971   -6.9102     1.1711    -2.4398    -7.195      4.2683
   0.9006    -5.7203     2.7967     1.7126    -1.569      3.2519
  -4.4507    -4.2083    -8.8073    -1.4641     1.3351     2.531
  -1.9357    -2.4781     6.4028    -2.8511    -8.2752    -1.4941
  -7.5258     1.1667     1.783     -4.8047    -0.38959    6.4523
   5.616     -1.901     -0.99175    1.4726    -0.32424   -2.3112
   1.9398     2.9423     3.6352     2.0828    -0.52848   -2.1444
  -1.0336    -3.8658     0.45486    6.263      4.24       1.8398
  -1.1294     2.5817    -1.7117    -4.876      0.91463   -4.1707
  -5.2296    -3.82       4.4567     7.3578     1.7327    -7.7043
  -4.4421    -3.4787    -3.737     -2.7298    -7.66      -4.6807
   1.9748     7.0736    -6.7904    -2.494     -2.8548     2.2308
   7.6443    -2.861      0.74459    4.4875    -7.0895    -5.1707
  -4.4216    -2.3651    -9.9652    -3.6435     1.7108     3.3328
   0.98232    2.6576     5.5048     1.0036    -4.5437    -6.3586
   8.9333     2.4981    -1.7065     4.0213    -2.8199    -4.6651
   3.14       2.8622    -5.3182     4.328     -7.1448    -1.9938
   4.8681    -4.8602     7.4712    -2.2579    -0.52421    9.8737
   0.98574    2.9149    -1.1721     4.2751    -1.7765    -0.86623
  -0.3788    -2.0966    10.215      2.2004    -4.3389    -7.0367
  -4.1728     0.45066    0.79991    7.1456    -2.2799    -1.039
   3.8125    -2.5397     1.1817     6.3209    -4.2526    -5.3255
  -4.9938     1.113     -1.652    -10.44      -1.2328    -2.1638
   3.0066     7.9959    -5.6395    13.154      7.5357    -0.4976
  10.719      0.55434   -6.1904    -2.9667     5.9524     2.3098
   3.1139    -2.9807    -4.1624    -1.5465    -4.4951     3.6024
  -5.6035     8.0356    -6.8933    -5.2434    -0.3394    10.198
  -1.2923     0.85054   11.64      -1.7606    -9.458      3.2441
   8.8538     0.57973   -4.9931     1.6488     5.8124     6.1091
  -2.0008    -2.2498    -4.4335    -5.4842    -8.6771     3.7767
  -1.4648    -3.6131    -0.32584   -1.2759     1.0388     2.1735
  -6.3862     0.52232    1.0004    -1.0593    13.228      1.2324
   0.46648   -0.23821   -5.0459     1.6792     3.4703     6.1179
   6.2291     0.60988   -4.6012     3.6347     4.4698    -2.9322
  -0.80766    0.74012   -3.678     -9.0491     7.677     -5.2912
   0.052622  -2.561      0.42135   -3.5056     6.0332     2.6589
  -3.7357     5.055      1.9308    -0.78488    2.3444     9.5688
   1.5928     9.798      2.0445     4.7535    -2.7616    -0.20498
   1.4246    -2.5834    -4.1083    -1.261     -5.4478     4.2885  ]
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 -1.6632e+00  1.5316e+00  4.8613e+00  4.1908e+00  1.6204e+00  4.4653e+00
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 -6.8476e+00 -1.2066e-01  2.6605e+00  1.9411e+00 -2.2476e+00  1.5282e+00
 -9.3049e-01  4.5642e+00  1.4836e+00 -3.7563e+00 -1.4808e+00  3.1640e+00]
force [ 1.6686    1.6867   -5.7237   10.035     2.1658    4.0201    2.2547
  0.6195    1.8812    2.3463    4.7235    3.8356   -3.0326    9.1724
 -0.70012   5.2247    4.4761   -1.6577   -2.2051    0.8173    0.41269
  0.76235  -0.18272   1.3549    3.1936   -5.8943   -1.9204   -6.4365
  0.71235   2.3496    3.5689   -2.5125    3.9768   -0.6699   -0.59908
 -2.2566   -0.60258  -2.2027   -0.65009   2.0874   -2.2773   -3.1736
 -0.93419   2.8699   -2.414     1.4626    2.9616   -2.4068    3.8206
  6.1775   -1.9711    4.3683    3.649    -5.7578   -1.1978   -1.9082
  1.93     -0.667     3.504     1.522    -3.0585    1.3548   -9.8007
 -1.4908    4.935    -2.3581   -5.1446   -3.054     2.1371    4.3865
  1.687     2.7983    1.5008    1.5809   -5.6791    4.4969   -2.3556
  4.5014   -5.3523    3.4054   -5.8423   -8.9079    2.0867    6.5612
  3.5788    2.773    -2.5629   -4.0054    6.2662    5.9222    0.27426
  1.4782    6.7456   -1.7996    5.3663    1.0045    3.4048   -1.7082
 -1.7596   -1.1001    5.056     3.2402    4.0828   -2.8896    0.32221
  2.8734    5.3113    0.35043   2.9431   -7.3938    2.3259   -4.3517
 -4.3123   -2.0427   -2.7141    2.4008   -4.9391   -1.1413    1.1038
 -0.92928   0.9079   -3.3654   -2.3541   -2.6578   -1.5151    0.83564
  6.9681    2.1276    2.5442   -4.5542   -7.4732    0.20944   3.9301
```

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  5.0216    0.62673  -1.9878   -3.3389   -0.42859  -0.44372  -2.4186
 -5.505    -7.0295   -3.8864    1.2773    5.067    10.25     -7.5746
 -1.0087    0.16552   4.4237   -6.276     1.899    -2.9764    8.6453
  1.6453    0.54761   4.2038   -2.5494   -6.0261   -4.5597   -8.2364
 -2.1457    1.7746    0.84105   4.6182   -5.5988   -3.3881    4.0562
 -1.7711    0.18692   1.6117   -1.426     2.2524   -0.64271   3.3332
 -0.92024   2.7767   -0.20025  -1.2215   -0.96168  -2.7712   -1.0209
  1.3182    3.2366    0.1552   -0.035954 -0.096903  2.9267    1.5811
  0.033731  4.7387   -7.7123   -0.73005  -4.4416   -0.21637   0.21411
 -2.1572   -1.12     -0.40586   3.3623   -0.49653  -3.3843   -1.3491
 -3.4388   -3.7427   -1.2763   -3.3697   -0.37995   1.7036    3.1757
 -0.94083   6.1435   -5.5363    0.51196   2.0228    2.2042    2.8435
 -3.0667    1.8837   -3.0502   -2.0263    2.6517    1.1263   -0.75411
  0.21093  -4.3305   -2.1963    0.56577   2.0767   -1.5216    1.3007
 -2.7238   -4.7768    8.322     3.0682    0.80562  -4.122    -1.365
 -1.7558   -5.8714    4.6717   -2.4631    4.8449   -4.5437   -4.8252
  4.191    -5.0549    2.647     2.5676    5.5042    4.8825   -3.121
 -6.0889   -2.8016   -4.3057   -7.5833   -0.84898  -7.6899    1.4841
 -1.0658   -2.5513    7.1186    7.5266    0.47007   4.1264   -1.7521
  2.2031   -2.0471   -0.9133   -1.6462    1.2811   -0.58724  -0.66783
  2.9833    3.2543   -2.2096    1.7009   -4.3735   -2.9229    6.2035
  1.6807   -3.8614    3.5091    4.8508    7.1363   -4.7148   -2.2472
  1.8788   -3.2533    4.0245    2.2784    1.4933   -1.0341    1.1451
  3.3585    1.645     0.32295   1.7128   -2.9768    6.834   ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
which [-3.2023e+00 -3.0310e+00  8.3760e-02  6.8507e-01  3.8915e+00 -1.2974e-01
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 -3.1626e+00  3.7387e+00 -1.1863e+00  3.1636e+00 -2.5186e+00  1.5633e-03
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the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
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 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
 -1.8384e+00 -2.1125e+00 -1.1642e+00 -5.5051e+00  1.9908e+00  2.1857e-01
 -1.6553e+00 -3.9243e+00 -1.6701e+00  2.2704e+00  3.4686e+00  1.2124e+00
 -3.0561e+00  6.3723e-01 -6.8558e-01  2.4041e+00 -1.1305e+00 -1.3629e-01
  6.9323e+00 -1.3655e+00 -1.0971e+00 -1.3656e-01  9.9233e-01  1.5646e-01
  2.0945e+00 -5.2343e-01  4.3787e+00  1.4959e+00 -3.2598e+00 -2.6085e+00
```

```
  1.9777e+00  4.4006e-01 -1.5258e+00 -9.1651e-01  2.7819e-01 -2.8672e+00
 -1.9234e+00 -8.2845e-01 -2.6049e+00  8.6444e-02 -5.5793e-01 -2.4664e+00
  2.0079e+00 -2.1487e+00 -2.5767e+00 -1.6131e+00  5.7711e+00 -2.4625e+00
 -1.2455e+00 -1.5580e+00 -2.3148e+00  2.2156e+00 -1.0421e-01  1.1694e+00
 -5.3561e-02  2.9689e-01 -2.2064e+00 -4.6041e-01  5.1525e-01  3.3595e-01
 -1.8510e+00 -4.3012e-01 -9.2878e-01  1.3933e+00  5.3063e-01  9.1558e-01
  1.9479e+00  2.6077e+00  6.2555e-01  2.2752e+00  2.1260e-01  2.7703e+00
 -3.7481e+00  1.3103e+00 -1.4233e+00 -6.4541e+00 -8.6162e+00  5.8673e+00
 -1.5601e+00 -6.8860e-01 -2.4346e+00  5.4334e-01  1.1415e+00 -2.5969e+00
  2.1159e+00  2.2011e+00  2.2243e+00  1.9312e+00  7.8822e+00  1.5265e+00
 -1.8524e+00 -1.3204e+00  2.4935e+00  1.8012e+00 -1.5038e+00  3.1126e-01
  4.4815e-01  4.3389e+00 -4.0426e+00  2.0551e+00  4.2549e+00 -1.5444e+00
  4.0603e+00 -3.9018e+00  4.0509e+00 -1.9058e+00 -3.0940e+00 -2.5366e-01
 -2.7478e+00  2.3604e+00 -3.6005e+00  2.3403e+00 -1.7738e+00 -1.1151e+00
  6.6999e-01 -5.3032e+00  2.0987e+00 -3.9442e+00  3.4534e+00 -1.5343e+00
  2.8643e+00 -4.0458e+00  3.0289e+00 -2.7970e+00 -9.3341e+00  5.3929e-01
 -1.1737e+00  1.3272e+00  2.3772e+00  1.0971e+00  1.0019e+00  1.0384e+00
 -1.3623e+00  3.0683e+00 -3.9125e-01 -7.7964e-01 -6.0628e+00 -1.5264e-01
  3.3141e+00  3.0189e+00 -4.3729e+00  2.0329e+00 -1.5586e+00 -3.8235e+00
  1.6758e+00 -1.9118e+00 -3.1380e+00  1.1845e+00 -1.5626e+00 -2.7584e-01
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 -2.8014e+00  5.1058e+00  1.3737e+00  1.1774e+00 -1.6045e+00  2.9236e+00
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 -1.1159e-01  1.9091e+00  6.0065e-01  1.0148e+00 -4.8491e+00  1.4819e+00
 -2.0432e+00 -2.8171e-01 -8.4493e-02  1.1377e+00  8.6292e-01 -1.2655e+00
  2.9554e+00 -8.4363e-01 -2.2089e+00  5.5662e-01 -1.3028e+00 -1.0751e+00
 -6.6610e-01 -3.3758e+00 -4.4857e+00  2.6784e+00 -8.0714e-01 -1.1349e+00
  4.0870e+00 -1.9958e+00  3.1097e+00  1.8230e+00  1.7513e+00  1.8322e+00
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  1.1611e+00 -1.8546e+00 -2.7324e-01  2.3591e+00 -7.6830e-02 -2.0106e+00
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  2.4492e-01  1.0117e+00  3.2693e+00 -9.5010e-01  5.8508e-03  9.3704e-01
 -3.8259e+00  4.3888e+00  3.7159e+00 -4.0342e+00  3.1491e+00  9.5624e-01]
Department [-2.5882   -2.2515    1.8063    3.6444   -0.59541   2.6207   -0.43819
  2.0514    4.5183    0.79252   3.4202   -1.1215   -2.621     1.1544
 -2.2916    3.9849    1.8471    3.5615   -7.0087   -0.44975   1.9885
 -1.7      -1.7475    3.4221    3.0354   -1.1936   -0.52071   4.7474
 -1.5743   -2.8292   -1.2596    0.87473   1.5337    2.7814   -0.72961
  1.72      1.1991   -2.4351    0.6925    0.38558   1.6444   -1.3577
  2.0128    3.0409   -0.83477   1.2079    1.9678   -2.3124    0.25634
 -2.5696   -2.5532    1.8861    0.30593  -5.1374   -0.26761   3.4229
 -2.9275   -0.010849  1.8735   -2.252    -0.71305   0.53617  -0.79444
 -0.61955   4.583     1.1375   -0.056295 -0.67291   3.0079    2.2103
  0.36406  -2.0596   -0.81347  -0.56029  -0.91118  -1.6667   -3.2064
  2.8127    0.83778  -1.9217   -0.81965   3.8027   -5.9298   -1.7365
 -0.92369   3.4486   -3.8019    2.9884    2.0887   -1.824     0.85183
 -0.30606   1.1772    1.7772    3.4854    3.4054   -2.2767    0.7862
  4.0948    2.0624    3.6691   -0.9074    1.6091   -0.66189   0.044892
  2.9294    0.16678  -3.3013    2.7238   -4.4111    5.4244   -4.2822
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  3.6327   -2.8431    1.8151    2.4719   -2.8369   -0.075849 -5.1934
 -2.9101    1.7779   -0.66338   5.0649   -3.4219   -2.3848   -4.8449
  3.2896    0.092634  5.016    -4.9843   -4.2131   -0.50414   1.3713
  3.2829   -0.24311  -0.095182  4.6128   -2.6749    2.2547    2.7314
 -1.0075    0.88788  -3.2436    2.0988   -0.14411   2.9443   -3.1126
  2.3457   -0.70368  -0.28513   1.6092   -0.062135 -4.2902   -0.43282
 -5.512    -0.83688   1.2076   -2.8181   -4.1993   -2.5061   -0.90401
 -4.9207    0.66942   2.9672   -3.032    -4.8941   -3.1704   -0.97002
  3.1847   -2.8734   -1.3595   -0.1986    1.0887   -2.0293    2.3116
  4.4494    2.0857   -2.3445   -1.5416   -1.2434   -4.864     3.9562
 -2.4839    7.232    -0.16915   1.6674    1.8859    6.4836    2.0584
 -0.17874   1.7432   -1.7911    1.7713    0.24615   1.4096    2.6793
 -3.6476   -3.2845   -0.054125  3.9537   -0.52972   2.915     2.9202
  1.2289    7.3754   -4.7156   -0.2803    2.4325   -0.072948 -1.4768
 -0.46676   1.4654    0.5336    2.8733   -1.2685    0.38531   5.2016
 -4.965     6.1179    0.80327  -0.38422  -1.1046   -3.85     -0.85498
 -1.9435   -2.2783    0.95707   0.93655  -3.7936   -3.9097    3.849
 -0.85506   2.0401    2.7605    3.7208    1.1357   -2.0933   -0.99763
  0.062634  2.3173   -2.7804    3.1449    6.1151    2.5998   -1.9641
  5.3383   -5.2672   -1.9736   -3.279     2.3688    1.6822   -4.229
 -5.4513   -4.5217   -3.7419   -1.6591    3.8851   -4.9653   -1.7163
 -2.1389   -1.2639    5.9432    0.087921  3.1804   -1.7046   -4.3985
 -1.8131    4.6267   -2.3654    0.063587 -4.5961    6.0606    3.4117
 -1.5442    4.2896   -3.012    -3.0903   -3.0826   -0.57955   1.8394
  4.2712    1.1031    1.0011   -4.4231    2.8523   -2.5872    3.605
  2.9036   -1.8131   -1.7117   -0.50273   3.8726    0.47329   2.716
 -2.5775    0.40776  -0.56349  -4.7799    1.8617    3.567   ]
announced [-2.9334e+00 -7.7970e-01  2.2892e+00  1.3078e+00  8.7088e+00  9.9080e-01
  3.3739e-03  1.5519e+00  2.2923e+00 -2.7184e+00 -2.6589e+00 -2.9428e+00
 -5.7110e+00  3.1393e+00 -4.7941e+00  3.8360e+00  3.5559e+00 -2.8629e-02
  1.7251e+00  3.3304e+00  3.2854e+00 -3.6556e+00 -8.9677e-01  4.6197e+00
  1.4049e+00 -1.0307e+00 -2.5237e+00  1.5389e+00  2.9782e+00 -6.9100e-01
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 -1.0426e+00 -4.0935e+00 -1.3880e+00 -6.6064e+00 -9.8182e-01 -2.7786e+00
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 -2.6964e+00  6.9209e+00 -2.3902e+00  2.8243e+00 -3.2094e-01 -2.3653e-01
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 -1.2084e+00 -3.4775e+00 -2.1314e+00 -1.2802e+00 -3.5581e+00 -2.2172e+00
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  1.6378e+00  1.0807e+00  4.1117e+00 -5.0376e+00 -3.6863e+00  1.2274e+00
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  1.3403e+00  2.7403e+00  3.7495e+00 -9.0543e-02  5.8031e-01  1.9831e-01
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```

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 -8.0946e+00  2.1618e+00 -1.2630e-01 -3.5662e+00  2.5805e+00 -5.6427e+00
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 -6.3442e-01 -3.2734e+00  4.1657e+00 -1.4533e-01  5.2035e+00 -4.7033e-01
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 -2.2397e+00  4.6946e-01  1.5724e+00 -7.1523e-01 -5.8859e+00  1.6101e+00
  3.3589e-01  1.4348e+00  1.8705e+00 -2.8167e-01  4.6891e+00  1.6913e+00]
Thursday [ 4.4049e-01 -3.6880e-01  5.7212e-01  2.5430e+00  2.8743e+00 -4.6724e-01
 -2.0641e+00  2.7634e+00  1.3999e+00  6.3294e-01 -3.7141e+00 -1.7835e+00
 -2.2795e+00 -3.1706e+00 -2.3501e+00  3.6120e+00  2.2556e+00 -1.1072e-01
 -6.1310e-01  1.7747e+00  3.4790e+00 -2.1941e+00  3.6584e+00  2.3459e+00
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 -1.6350e+00  2.2284e-01 -6.1993e-01  4.0578e+00  4.8023e+00  2.4288e+00
 -3.2293e+00  1.8686e+00 -1.6683e+00  3.3062e+00  2.5022e+00 -4.0295e-03
 -2.0585e+00  2.2952e-01 -7.9525e-02  1.3577e+00  1.3961e+00 -1.0191e+00
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 -3.4035e-01 -1.1071e+00  7.8649e-01 -1.3783e+00 -1.5956e+00 -2.2871e+00
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  1.0078e+00 -1.7369e+00  3.0337e+00  7.2321e-01  8.2950e-01  1.0382e-02
  6.7190e+00  3.6988e+00 -1.5353e+00 -3.4726e+00 -2.3959e+00  1.6789e-01
  8.0603e-01 -2.8100e+00  3.5711e-01 -1.4107e+00  2.0771e+00  3.2426e+00
  2.6154e+00  1.2934e+00 -2.2413e+00  2.5820e-02  1.0786e+00 -3.2832e+00
 -9.8615e-01  2.4976e+00 -2.9393e+00 -8.5278e-01  4.4874e-01  5.3473e-01
  5.4787e-01 -4.5465e-01  3.8751e-01 -4.3165e-01  1.4738e+00 -1.3322e-01
  9.7630e-01 -2.9589e+00 -7.1282e-01 -6.3574e-01  1.2375e+00 -2.3182e+00
 -3.5608e+00 -4.1481e-01 -6.1537e-01 -1.2629e-01 -1.7490e+00  1.0503e+00
  1.9511e+00  5.1704e+00 -4.0572e-01  1.3929e+00 -1.2748e+00 -2.6809e+00
  6.2209e-01  2.1830e+00  1.7483e+00 -8.5691e-01  3.1291e+00  4.0220e+00
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 -1.5954e-01 -1.8186e-02 -4.8854e-02 -2.3435e+00  1.4458e+00 -2.8903e+00
 -4.8260e+00  3.2650e+00 -7.5728e-01 -1.6116e+00  1.6738e+00 -2.9435e+00
  3.0176e+00 -1.6745e+00  3.0227e+00 -5.5791e-01 -2.1037e+00  1.9804e-02
  2.2691e+00 -4.3266e-01 -1.5032e+00 -7.2248e-03  3.6191e+00 -1.3505e+00
  3.3499e+00  1.2536e+00 -2.3527e+00 -4.7509e+00 -1.7394e+00  8.1328e-01
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 -3.7415e+00 -3.4609e-01  4.2942e+00 -1.4571e+00 -3.3167e+00 -3.1933e+00
  3.4090e-01  1.7124e+00  3.0553e-01 -1.4478e+00  1.3792e+00 -1.5766e+00
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  1.2254e+00 -3.1173e+00  2.3963e+00 -4.4621e-01  2.0496e+00  1.5183e-01
 -3.5949e+00 -4.7223e-01 -7.9645e-01 -2.1981e+00  1.0261e+00 -1.7925e+00
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  1.5832e+00 -3.0188e+00 -2.5832e+00  1.7627e+00 -2.7237e+00 -4.2920e-01
 -5.0878e+00  4.4471e+00  1.4699e+00 -5.3328e+00 -4.3998e-01  7.4019e-01
 -1.0198e+00 -1.0144e+00  1.6514e+00  3.1262e-01  1.7087e+00 -4.3958e-01
 -1.9390e+00 -2.2544e+00  6.6987e-01  2.0594e+00  7.1686e-01 -3.6667e+00
  3.2102e+00 -5.4275e-01 -1.2371e+00  1.2990e+00 -3.9854e-01 -3.9848e-01
 -3.3379e+00  9.7570e-01  4.4795e-01 -4.0096e+00  3.2959e+00  1.0737e+00]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
  2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
 -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
 -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
 -0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
  6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
 -1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
 -1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
  2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
 -5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
  2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
 -3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
 -1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
 -8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
 -0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
Dubbed [-1.1810e+00  3.5772e-01  3.0895e+00 -1.7099e+00  3.3660e+00 -1.0673e+00
  1.7008e+00 -2.1399e+00  1.3591e+00 -1.4881e+00 -1.7790e+00 -1.9045e+00
  3.5353e+00  1.5929e+00  4.6133e-01 -1.6553e+00  2.8315e+00  1.7823e+00
  1.8267e+00  5.4612e+00 -1.7960e+00 -2.4230e+00  6.5150e-01  4.1690e-01
 -6.3660e-02 -1.3066e+00  1.5228e+00 -2.8803e+00  3.3505e+00  1.1245e-01
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 -1.6347e+00 -8.1803e-01  2.0446e+00 -5.3416e+00 -4.7978e-02 -2.1030e+00
 -1.0974e+00  4.7841e-01  1.7784e-02 -7.4489e-01 -7.8787e-01  1.5747e+00
  1.8083e+00  9.9399e-01  6.3181e-04  2.1110e+00  2.3017e+00  1.6351e-01
  1.4574e+00  1.3365e+00 -1.7208e-01  7.0985e-01  2.6988e+00  1.4985e+00
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 1.2366e+00 -8.4148e-01  6.1116e-01  2.1350e+00  7.4835e-01  3.8741e-01
-2.6427e+00  6.5500e-01  2.7580e+00 -1.4148e+00 -2.1131e+00 -4.8990e-01
-9.4782e-01 -3.0596e-01  3.0660e+00 -4.6972e-01  2.3783e+00  4.8144e-01
-2.1825e+00  1.6090e+00 -1.7741e+00 -1.4353e+00 -1.5690e+00  4.0764e+00
 2.0415e+00 -3.5970e+00  2.7015e-01 -4.5087e+00 -4.6019e+00 -5.1820e-01
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 8.3085e-01 -3.3944e-01 -6.4289e-01  3.4284e+00 -1.5498e+00 -7.7409e-01
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 2.5919e+00 -1.9119e+00  3.0469e+00  2.5241e+00 -3.4775e+00  1.3179e+00
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-2.9546e+00  1.3022e+00 -1.6360e+00  1.6027e+00 -2.0531e-01  1.5361e+00
-4.0306e-01 -1.3270e+00 -4.4137e-01 -2.7044e+00  4.7466e+00 -8.7047e-01
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 1.1607e+00  1.6979e+00 -1.8552e+00  4.9147e-02 -1.4520e+00  1.2485e+00
 3.0091e+00 -1.2961e+00  1.0431e+00 -6.7523e-01  9.7484e-01 -1.0572e+00
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 1.4840e+00  1.9529e+00  1.1572e+00 -2.8021e+00 -6.9058e-01  2.2505e+00
 4.8808e-01  1.1751e+00 -7.6189e-02  3.2120e+00  1.7781e+00 -1.1498e+00]
“ [  4.0117     6.1447     6.0428    -1.2223    -0.89314    7.0289
  3.8083   -10.175    -12.974    -16.355     13.199     -0.64208
  3.9055    -9.0027     0.69574    2.0928     4.5826     7.3396
  0.15615    5.3642     1.7527     2.9559     4.2408    -8.9241
 -8.7371     3.4601     9.256     -3.0093    -1.6291    -1.0837
  4.8812     3.5292    -8.566      2.6971    -0.069463  -2.6916
  7.1875   -12.072      6.6128    -2.7805     4.0383   -13.224
 -6.6133     0.71981   -4.2057     2.6999     0.46916   -5.5086
  2.083     -6.8729    -3.8757    -2.521      1.6688    -5.6535
  0.29916    5.276      3.7059     5.052      1.5987     5.3329
 13.426      8.4246     6.1137    -0.38982   -2.6855     3.6625
 -4.15     -25.151     -6.8561    -2.96       2.1339     0.97768
  8.0443    -0.84752   -1.313     -3.1546     3.7657     7.9994
 -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
  1.6884     6.4194     4.2471     0.99829   -4.3103    -2.7644
  9.5779    -6.4278     3.0096    -6.8325   -12.983      5.1065
  3.4582     1.4       -9.0537    -6.3843    -7.7083     2.4973
 -2.7985    10.036      0.51554    3.7998    10.056     -2.0603
 -0.11334   -5.1983     1.7585    10.259     -0.17789    4.286
  6.5564     6.733     -3.124    -17.44     -12.351      1.5846
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  0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
 -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
 -5.4211     3.0427    -4.9335    11.522      1.3528    -3.6276
  0.86034   -2.0012    -2.8312   -10.816      1.5776    -6.0255
-12.195     -3.804    -14.259      5.7856   -14.996     -6.5582
 -1.661     17.208     -7.7206     0.54176   -2.4799     4.1986
 -2.0755    -4.495     -3.8344    -4.8182     9.8085     6.576
 -6.1684     3.9369     5.0423   -13.928     -6.1404     1.2844
 -1.8981    -6.2895     0.74689   -1.535      7.4977    -8.6283
  2.6241    -1.2159     6.4726     3.8124    -3.64      -0.42333
  7.6105     1.9617     1.3932    -3.7137     2.1101     3.476
  3.6122    -4.1616    12.123      0.64861   -0.49947    2.1249
 10.871      2.7577     3.6824    -0.93957   -7.1006    -0.045006
  1.0187    -1.8806     1.6034     8.7045     5.6783    -8.9783
  1.3075     0.14579   -3.3592    -7.059     -4.0092     2.7572
  7.8008    -0.54092   -1.8868    -0.57764    3.9646     3.3179
  1.0625    -3.7314    -5.3262    -4.232     -2.2041    -2.1869
  2.1504    -5.8741    -2.2944    14.575     -9.0236     0.049818
 -8.6919   -13.624      2.1128     5.1577     1.5895     0.74051
 -7.789     -6.6583    -4.5001     7.34       8.6042    10.186
  6.6701    -2.1674    15.823     -0.32241    6.8083     4.3367
  6.5724    -6.4115    -3.4879    -3.0151     3.1908    -6.1925
  4.7697     3.7224    -0.23423    3.124     -6.1329    11.586
 -6.6443     8.3807     0.56297   -6.6554     6.3858    -6.0566
  9.4062     1.0888    -6.4795    11.235      5.2794    -5.6031
 -4.9794    10.585      7.7599     0.53914    4.7885     3.8644
-11.891     -4.8493   -11.071     -2.983     -1.2024    -4.7681
 -5.6201    -1.5833    -1.4416     1.8468     5.1324   -10.322
  9.6327     0.47697   -0.43167   -3.8329    -0.12879  -12.096
  4.9287    -4.3766    -2.6984     6.8118    -1.9098    -6.5109  ]
Task [-2.8809    0.47154  -0.86529   8.687    -2.5314   -3.1846    2.9817
 -1.5167   -0.67108  -0.63037  -1.0651   -2.8971   -0.66967   2.1643
  1.714     4.9895   -0.44287   1.3351   -2.4904    2.9809   -8.6428
 -1.708     3.3311    1.4651    0.60318  -5.8737   -0.4938    1.9738
 -2.2024   -1.6593   -3.7517    0.67351   4.8621    3.9446    0.3816
 -9.0064   -0.25408  -8.8644    4.2706   -1.8228    1.2171    1.8032
 -2.7085    0.13312  -4.8399   -0.69585  -2.4483   -0.16661   3.6263
 -3.6571   -0.15862  -3.6357    4.5321    1.3239   -2.9727    5.6857
 -6.2636    2.9532   -2.775    -7.1849   -0.28552   3.7619   -8.0804
  6.637    -0.63012   3.7897   -6.5531   -4.3181   -0.20207   1.3502
  4.4031    2.5543    4.2532    0.35754  -1.1673    4.2991    7.0945
 -1.2092   -7.4376    3.5553   -6.8895   -0.75572  -0.52098   6.9024
 -0.26234  -2.8543   -1.4322   -3.3967    1.7128   -0.75201   6.2212
  0.45422  -3.2186    9.1137    4.3843    5.3372   -1.9132   -0.36748
  2.7725    3.2969    3.4979   -1.4889    2.9406   -0.97723  -6.4492
  2.7261    1.6193    1.54      5.6891   -3.8631    5.6451   -0.85267
 -3.8418    1.2362   -0.86782   2.7334   -6.114     0.86431  -3.463
 -1.9658   -2.8495    3.4235    7.9356   -6.4792   -3.7869   -3.2497
  7.0675   -6.8287    6.7749   -1.4664   -8.9466    1.7372    3.5444
  2.2218    3.1723   -6.2548    3.363     0.19629   0.24264   3.42
  3.9501   -5.4743   -4.4413    3.4281    0.72225   1.4434   -3.2515
  0.91471  -1.0882   -0.019328 -0.4846   -1.9228   -6.1349   -3.9113
  0.88333   2.6947    7.6035   -0.17883  -1.6664   -1.8061    3.6172
 -5.654    -3.7786    7.6298    3.1862    0.63991  -0.73284  -3.8238
  3.8526   -6.6095    3.4579   -1.3173    3.0421    2.6801   -8.8991
  1.1402    2.5861    4.9596   -0.98521   6.8804    4.9003    3.4362
 -2.1585    5.7803    0.20774  11.248     2.1453    2.4899   -4.6796
 -5.8819    3.024    -1.3287    0.10502   1.3344    0.50189   1.6997
 -3.0121   -3.3949   -2.0716    4.5587   -6.0169    2.0422   -0.95084
  1.7117    3.9985    3.0063   -3.1128   -0.70361   0.82918  -1.5007
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  1.587     0.071749 -4.1478   -1.3348   -3.439    -2.9974    1.8689
  0.77036   4.2399   -3.005    -1.0812    3.5009   -2.4108   -6.95
 -3.6594    2.5332    2.942    -8.3515   -6.412     0.9606    6.2162
  0.63972  -1.6725    0.10059  -0.15436  -4.2363   -6.6652   -0.34735
 -0.46821   5.9771    1.0425   -3.0384    4.6921    1.0189   -0.17106
  3.15     -1.4296    0.85628  -1.9808   -1.9983    3.5735   -4.082
  2.6775   -2.6254    3.7841   -2.1475    0.99907   3.6196   -2.0945
 -0.50169  -1.2562   -4.0322    3.2839    2.3295   -0.16902   1.0581
  0.40513   1.8126   -0.12483  -3.4886   -4.9484   -0.4154    1.655
 -5.8434    3.4154    0.76469  -6.6908    3.3788    4.5063    3.232
  6.1367   -2.386    -1.0131   -2.0777    0.73929  -4.5016   -3.3389
  0.62753   2.4436   -3.5977    0.21338   6.7265   -1.6762   -0.13559
 -0.50392  10.844    -2.7785   -5.7346    1.9624    5.9754  ]
Force [ 5.7186e-01  6.4519e+00  1.6768e+00  1.0792e+01 -2.8590e+00  6.6506e+00
 -2.6914e+00 -4.2037e+00  8.1279e+00  3.9603e+00 -1.7334e+00 -1.9083e+00
  1.1575e+00  1.6370e+00  2.6105e-01  5.2649e+00 -6.6297e-01  3.8421e+00
 -3.5770e+00 -7.8258e-01  1.9411e-01 -5.0350e-01 -3.6976e+00  1.4770e+00
  8.9958e+00  2.6554e+00 -6.1889e+00  1.8267e-01  3.8571e-01  4.1140e+00
 -5.9770e-01 -4.6040e-01  8.3857e-02 -1.6286e+00  5.6907e-01  2.1940e+00
 -3.2409e+00 -3.5251e+00 -1.4363e+00 -3.6700e+00 -1.0682e+00 -3.5269e+00
 -1.8238e+00  1.4685e+00  6.4780e-01  1.0992e+00  1.8584e+00 -6.1294e-01
  2.3650e+00 -4.6173e+00 -5.5640e-01  2.4564e+00  3.5342e+00 -4.3584e+00
 -1.6774e+00  1.4362e+00 -3.5558e+00 -4.6820e+00  3.2730e+00  6.4680e-01
 -2.4457e+00  5.9024e+00 -6.4803e+00 -1.2645e+00  4.8772e+00  1.6346e+00
 -1.9852e-01  1.8867e+00 -1.1745e+00  4.0754e+00  3.8331e+00  4.4510e+00
  3.6704e+00  2.9216e+00 -5.7781e+00  4.5541e+00  9.1716e-01  3.2261e+00
  1.3317e+00  3.4763e+00 -6.3853e+00 -4.7271e+00 -3.0153e+00  6.0634e+00
  1.2035e+00 -1.8098e+00  3.6089e+00  2.8116e+00  7.6380e-03  3.1838e+00
  8.9892e-01  5.8321e+00  3.9132e+00  1.2409e+00  5.1448e+00  1.2330e+00
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 -3.2762e+00  4.1970e+00  9.7565e-01 -3.3590e+00 -5.0459e+00  6.7548e+00]
Lima [ 1.1477    1.0402   -0.84697   1.7925    3.598     1.9846   -0.29948
 -3.6691    0.63227   2.2477   -2.593     2.6181    1.0622    1.4522
 -5.3791    2.2082   -4.6471   -0.50862  -0.61093  -5.8504    0.3327
 -1.452     3.5273    2.6059   -3.0485   -0.46643  -3.6464   -3.9431
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 -4.4843   -2.7007   -3.1326   -2.1436   -1.6827   -2.1192    0.23701
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 -0.82871   1.3396   -0.61311  -0.2166    1.9542    1.9075    0.31036
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 -0.41104   3.008     1.4388   -0.1014   -1.3104    0.073149  2.4714
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  4.548    -0.62666  -0.16512  -1.1649    0.62303  -0.99283  -0.60834
 -0.19979  -3.2107    0.1529   -1.3261   -4.9986   -4.2618    2.825
  0.44113   3.436     1.6313   -3.5719   -1.0909   -0.23961   1.5232
 -0.10329  -1.3125   -0.22902   1.2371   -2.4552    5.4205    1.4447
  0.19187  -4.3745   -3.8994    1.0742   -1.0408    2.436    -2.9431
  0.061242 -1.1971   -3.033    -2.7721    0.75656  -0.96262   0.44754
 -1.451     1.6082    2.1915    0.67064   2.4902    1.7802   -0.14684
  1.0235    1.2218    2.8309   -2.8062   -1.5399    0.21424  -0.094733
 -0.74605  -0.38397   0.83743   0.97697  -0.67796   1.5137   -1.7575
 -0.91725  -0.6449    0.84226   4.0303    1.7266   -0.43735  -1.5398
 -4.6541    3.5546    1.2312    4.8264   -6.0825   -0.41345   0.21398
  0.99376  -0.49211   1.7481   -3.4578    0.60888  -2.7047    4.2352
 -5.4872    1.5513    1.5905    1.5007    1.9468    1.1701   -1.9188
 -1.423     1.1872   -0.98137  -0.46051  -2.4719   -3.0845   -1.673
 -0.059733  1.2577   -4.554    -0.37027  -1.0445   -2.4014    1.6256
  1.3485   -0.051783  0.85571   3.6751   -1.1624    1.3207    1.6931
 -2.473     1.0475   -3.9823    1.9273    0.096576  2.9939    0.59426
 -1.1269   -0.72786  -2.7406   -1.474    -0.071435 -0.38638   1.0059
 -1.613     1.1926   -2.9621    0.12208  -3.5185   -1.1043   -2.1012
 -1.3041    0.26705   0.73836   1.8443    4.0269    0.19054  -4.3901
  1.2115    1.1808    2.1938    1.0586   -1.0091   -3.2707    5.8369
 -1.0866    0.11      0.78284  -2.5961   -4.5442    1.2239    2.2777
  4.8442   -1.9242   -1.1603   -0.65396  -1.2127   -4.0867    4.3447
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  5.0418    3.8761   -1.4943    1.775     1.1738   -1.306    -2.5594
 -3.4543   -1.7616   -0.95188   2.3337    0.12263   2.222     5.0368
 -1.7974    2.272     1.0449   -1.2524    2.0043   -3.3958   -3.8044
  4.2478   -0.5086   -2.2256   -2.7226   -0.78833  -0.022199  1.4284
 -2.8879    0.94057   2.7109    0.27079  -2.9614   -0.48012   2.0567
 -0.47047   3.1007   -0.94233  -2.3545   -0.12188  -3.691     0.59171
 -2.1783    1.3089   -2.446     0.77626  -2.221    -0.65827   4.4978
 -0.74999  -2.0397    3.9914   -2.8723    0.37645  -2.6953  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
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  1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
 -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
 -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
  4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
  3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
  2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
 -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
  7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
  6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
  0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
  0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
  3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
 -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
 -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
  2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
 -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
” [ 3.4795e+00  2.5236e+00  4.1156e+00 -8.6533e-01  1.7935e+00  1.0307e+01
  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
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 -1.2169e+00 -7.3821e+00  7.8511e+00 -8.3385e+00 -1.0557e+01  5.8638e+00
 -8.3342e+00  2.5821e+00 -2.4145e+00  7.2799e+00 -1.0082e+00 -4.7508e+00
 -2.1106e-02 -1.0579e+00  1.8640e+00 -1.1327e+01  6.2265e-01 -3.5812e+00
```

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 -9.4072e+00 -4.6351e+00 -1.3187e+01  4.0158e+00 -1.5866e+01 -8.5002e+00
 -2.9853e+00  1.5620e+01 -5.7685e+00  5.1438e+00 -7.4195e-01  5.8072e+00
 -1.6123e+00 -3.2486e+00 -5.5133e+00 -6.9324e-01  7.8604e+00  7.0953e+00
 -3.0304e+00  6.1217e+00  6.5384e+00 -1.4904e+01 -5.2084e+00 -6.0792e-01
 -4.8602e-01 -1.4743e+00  4.8695e+00 -3.7248e+00  9.3506e+00 -1.2180e+01
 -2.6309e-01 -3.6486e+00  4.7180e+00  2.2564e+00 -2.4257e+00 -2.9764e+00
  7.0483e+00  1.0542e+00 -1.9687e-01 -6.0197e+00  2.5798e+00 -2.4096e-01
  2.5070e+00  1.6523e-01  1.1344e+01  2.2004e+00 -3.5661e-01  3.8837e+00
  1.0285e+01 -4.8146e+00  1.0027e+00 -2.6547e+00 -6.4866e+00 -3.9228e+00
 -8.4833e-01 -8.3610e+00  6.2480e+00  1.0459e+01  4.0744e+00 -8.4165e+00
  3.1059e+00  2.0860e-02 -6.8428e+00 -5.9755e+00 -6.5472e-01 -1.1035e+00
  1.0760e+01 -2.4695e+00  1.5761e+00 -2.1597e+00  3.0889e+00  1.1962e+00
 -1.8704e+00 -4.0501e+00 -6.7260e+00 -4.6223e+00 -4.1798e+00 -6.2968e-01
  4.1919e+00 -5.3299e+00  3.1098e+00  8.7561e+00 -8.0424e+00  1.0406e+00
 -6.6298e+00 -9.4235e+00  8.0674e-01 -6.1235e-01  2.5982e+00  1.1080e+00
 -1.1755e+01 -5.3036e+00 -2.8683e+00  8.3945e+00  9.9480e+00  1.0722e+01
  1.6034e+00 -3.7476e-01  1.2906e+01 -2.9080e+00  3.7212e+00  7.1736e+00
  2.5607e+00 -5.7656e-01 -3.6217e+00  1.5660e+00  4.1166e+00 -4.3169e+00
  7.5750e+00  5.2154e+00  2.2045e+00  1.4058e+00 -5.2702e+00  9.4434e+00
 -5.5191e+00  4.9096e+00 -1.7164e+00 -5.8909e+00  7.1390e+00 -6.4549e+00
  5.8741e+00 -2.5307e+00 -6.7969e+00  7.4086e+00  6.1187e+00 -2.3032e+00
 -1.1291e-01  1.0138e+01  1.3088e+00  1.8605e+00  3.0451e+00  6.2581e+00
 -7.9733e+00 -3.0602e+00 -9.9866e+00 -9.8142e-01  7.3688e-01 -3.0924e+00
 -5.0566e+00 -2.0011e+00  6.0797e-01  5.6577e-01  5.3224e+00 -9.1434e+00
  6.0967e+00  2.6622e+00 -5.7625e+00 -2.1923e+00 -3.2738e+00 -1.1584e+01
  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
  8.8706e-01 -4.8168e+00 -7.4616e-01 -7.8736e-02 -7.9536e-01 -6.0894e+00
  2.7413e+00  2.1358e+00 -2.7505e+00 -1.1987e+00 -6.4908e+00  1.3424e+00
  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
 -5.2159e+00 -3.3565e+00 -2.6745e-01  3.9148e+00 -2.7248e+00  3.7187e-01
 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
 -2.0715e+00 -5.2312e-01  1.4389e+00 -5.0093e+00  4.3909e-01 -7.2692e+00
```

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  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
 -2.5949e+00  1.4874e+00 -7.0560e+00 -1.6384e+00  2.9549e-03  6.3286e+00
  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
group [-2.3648    0.6509   -1.8082   -0.95538   2.6131    1.7954    1.3246
  2.5386    0.59134  -6.1147    2.775     3.5279   -0.4139    7.4255
  1.3899    4.3465    0.75893   4.0033   -0.72066   2.6135    1.3559
 -1.6748   -8.3526    0.81501   4.0127    0.27929  -5.6302    0.2234
  1.6647   -4.075    -1.7482    3.3958   -3.182     1.997    -1.3133
 -2.129    -2.063    -4.6705   -0.68391  -5.0156   -1.1693    2.1981
 -4.2806    4.2054    1.6764   -2.4231   -1.4947    0.69208  -0.035016
  3.5194   -1.9596    6.5813    0.13884  -6.9381   -0.83928   2.8089
 -5.2303    0.2562   -0.18279  -1.6312    0.01409   3.2001   -3.1753
  1.9991    4.2629   -0.41066  -2.4637   -2.046     4.5204    3.7613
  3.0152    3.3406    3.1784    6.3686   -1.1144    3.9717   -4.1878
  3.3949   -5.3407    2.1938   -6.7996   -0.14749   3.0125    3.4422
  6.8696    6.0474   -3.4461   -4.6076    3.1135   -4.2237   -2.6883
 -0.65008  -2.0728    1.4336   -0.24551   0.21428   1.5813   -4.1078
  0.72747   0.99689   2.8999    2.322     3.267     2.5629    1.6408
  0.842    -6.2141   -2.9098    4.6322   -7.3818    2.896     0.086757
  0.57667  -7.0334    2.2624   -1.1537   -1.4921   -2.7097    2.83
 -3.558     3.4485   -2.7648    2.4072   -0.4235   -8.4653   -4.4664
  1.1634   -3.2544    2.2855   -0.13418  -6.2711   -3.8592    9.1003
  5.4696   -1.4099    1.7342    3.186     5.5046    2.2536    0.97912
  1.8006   -3.333    -2.2292    2.7487    5.0951   -2.3386   -7.8929
  3.5693   -0.13016   4.5256   -0.13285  -1.9931   -5.2038    1.8712
 -3.4563    4.6526    1.8984    2.3435   -2.8041   -1.8199   -5.4608
  1.2095    3.4971    3.4368    2.9866   -3.8151    0.071549 -0.4783
 -0.1525   -1.5317    1.891    -2.0697    1.4786    5.7613    3.3324
  5.969     4.4823    0.31575  -5.9667    1.0602   -1.8682   -1.4488
  1.3598   -0.77709   0.9204    3.7243   -1.1207   -4.3833    2.0172
  3.5519    0.58477  -2.2957   -0.18212   1.2296    7.0251    1.6557
 -4.6359    0.81562  -1.2283    1.9109   -0.44987  -2.1194    0.16519
 -4.0514    2.5405   -0.93536  -0.67101  -1.1532    0.21111  -7.0778
  2.9067    2.6475   -3.2006    1.1582    1.4533    1.2052    2.297
 -2.4294    1.459     2.04     -2.728     3.9519    1.4072   -0.61885
 -3.5057   -1.8488    1.5564    0.4152    0.96606   2.4074    0.4806
  0.83194  -2.7034    3.6684    2.0728   -6.4893    0.50966   5.725
 -6.019     1.8823    2.8647   -4.935    -0.48808   2.9284   -2.0371
  4.6167   -0.74669   3.2039    2.8294    4.916     1.1564   -7.9446
 -2.2245   -0.93259  -1.5314   -2.406     2.1767   -6.1202    3.1436
  1.7032    0.4946    1.9148    2.1453    0.047023  2.2731   -1.0995
 -1.6432    0.69721  -3.4892   -0.33476  -4.2232   -0.43535   2.0229
 -4.7605    8.7607   -2.3256   -1.2218    1.1733   -5.4216    3.5523
  2.8927   -0.85121   4.1071   -0.11321   1.7448    0.62197  -1.8281
  0.58743  -1.3318   -0.40737  -0.1197    0.36788  -3.3456    2.7052
 -1.7103   -2.1401   -2.2902   -2.7618   -1.6113    0.54248 ]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
```

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  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
keep [ 1.7569e+00  2.1601e+00 -9.2343e+00  4.2308e+00  1.6735e+00  2.5972e+00
  8.4365e-01  5.7224e+00 -8.2583e+00  3.4278e+00  5.1038e+00  1.4048e+00
 -5.6005e+00  2.7197e+00  6.7656e+00  1.3220e+00 -4.8716e-01 -8.9503e+00
  1.8589e-01 -1.0252e+00 -1.0611e-02 -1.1429e+00 -1.1496e+00 -4.3521e+00
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  6.8340e-01  3.4769e+00  6.2202e-01 -3.9710e-02  1.7916e+00  5.8751e-01
  5.3333e+00  6.7721e-02  1.4092e+00  1.7252e+00  2.1667e+00 -9.2163e+00
  4.3425e+00  2.0571e+00  7.4522e+00 -2.1731e+00  3.3661e+00 -7.3037e+00
 -5.7690e+00  6.2931e+00 -4.6154e+00  1.0046e+01 -4.7749e+00 -3.4332e+00
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 -2.5421e+00  1.7189e+00  4.4667e-01  8.3457e-01  6.2143e-01 -6.0183e+00
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  1.9368e+00  1.5628e+00  3.3047e+00 -3.4579e+00  2.1606e+00  2.1896e+00
 -2.0004e+00  3.5320e+00 -8.8387e-01 -1.3444e+00  3.8184e+00 -5.5955e+00
 -7.7322e-01 -1.5755e+00 -2.7241e+00 -7.6436e-01 -8.9512e-01  1.5277e+00
 -1.0763e+00  1.0535e+00  7.9545e-01  9.1608e-01 -5.5028e+00 -1.3559e+00
 -4.8173e+00 -3.6236e+00  3.3188e+00 -7.8749e+00 -5.4261e+00  3.7408e-01
 -4.9134e+00  1.5196e+01 -5.8152e+00 -7.4560e+00  1.0221e+00 -2.7814e+00
 -5.5389e+00 -4.9150e-01 -1.0429e+00  1.1044e+00 -6.6483e-01 -3.3882e+00
  3.4019e+00  1.6373e+00 -2.8014e+00 -6.0530e-02  4.3463e-01 -3.2967e+00
  6.2838e-01  8.8211e-01  1.7054e+00  1.2610e+00 -4.5134e+00 -1.3485e+01
  3.1236e+00 -4.6838e+00  6.8414e-01 -2.3298e+00 -2.5690e+00 -6.6263e+00
  3.9494e+00 -9.3159e+00 -5.4667e+00 -2.6891e+00  2.8666e+00  9.8766e-01
 -3.6329e+00 -5.2874e+00  4.5486e+00  2.1215e+00 -2.5360e+00  7.1209e+00
  2.9877e+00  9.2783e-01 -2.0769e-01 -1.9275e+00 -2.8989e+00 -1.9678e+00
 -5.3955e+00 -1.6308e+00 -3.9470e+00  4.3160e+00 -8.4632e+00 -4.8413e+00
  1.6462e+00  9.3964e-03  4.5309e+00  1.0329e+00  2.5395e+00 -5.7489e+00
 -9.9227e-01 -1.0140e+01  7.3000e+00  2.2597e+00  4.8642e+00 -4.3249e+00
 -1.3157e+00  2.3956e+00  2.1344e+00  5.1316e+00 -2.0214e+00 -6.9538e+00
  3.6196e+00 -8.4100e-01  5.6473e+00  6.3738e+00  6.1837e+00  2.4725e+00
 -4.3742e+00 -3.2457e+00 -2.1818e+00  3.7664e+00  1.7714e+00  4.0559e+00
  8.1336e+00 -5.5484e+00 -2.4865e+00  3.2181e+00 -3.9517e+00 -1.3567e+00
 -8.0656e+00  8.2885e-01 -6.2257e+00  3.3171e+00  5.9981e+00  8.7052e+00
  1.1005e+00  9.2024e-01  2.8461e-01  8.1454e-01 -9.9864e+00  1.6692e+00
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  2.3056e+00 -4.9730e+00  4.5604e+00  3.8914e+00 -1.3664e+00 -1.2618e+00
  2.9093e+00  1.1278e+00 -5.7333e+00 -1.2854e+01  7.4133e-01  7.6071e+00
 -4.7090e-01  4.7163e+00 -8.4287e+00  1.9812e+00  5.6180e+00 -1.2059e+00
 -8.6667e+00  2.8073e-01  3.0050e+00 -1.1123e+00 -9.2191e+00 -2.8047e-01
 -7.0154e+00  2.8721e+00  5.1673e+00 -1.8610e+00 -9.1610e+00 -7.8446e-01
 -1.9653e+00  6.4606e+00 -7.3757e-01 -2.4305e+00  5.3382e+00  4.7428e-01
 -3.1548e-01  6.6295e+00 -1.8555e+00  4.4855e+00 -1.5956e+00  4.6038e-01
  7.4450e+00  4.6080e+00 -4.6370e+00  1.8541e+00 -2.5122e+00 -2.2627e+00
  5.3866e+00 -6.2790e+00  3.0441e+00 -2.0582e+00 -2.2182e+00 -3.4887e+00
 -2.0166e-01 -3.0666e+00  1.3489e+00 -2.3592e-01 -3.4923e+00  6.3861e+00
 -4.6323e+00 -2.4738e+00 -1.7640e+00  4.2026e-01  2.0625e+00 -2.0474e+00
 -5.9534e+00 -3.4430e+00  3.2071e+00 -2.2624e+00 -3.0946e+00  2.3829e+00
 -3.3707e+00 -1.5278e+00 -4.6438e+00  6.3859e-01 -3.2128e+00  5.9491e+00]
tabs [ 4.3457e+00  1.2083e+00 -1.1635e+00  1.7663e+00  2.2042e+00  1.9813e+00
 -4.4473e-01  1.5856e+00 -6.5274e+00  1.6602e+00  1.9410e+00  1.5879e+00
 -6.0693e+00 -1.7807e+00  3.0154e+00 -1.1508e+00  4.1330e+00  7.6183e-01
  2.7794e+00 -1.9574e-01 -1.4319e+00 -7.2473e-01  2.3998e+00 -1.9783e+00
 -4.4563e+00  2.7896e+00 -5.7169e-01 -3.0112e+00  6.3629e-01  2.9214e+00
 -2.1341e+00 -2.1731e+00 -2.7297e+00 -2.5627e+00  3.4409e+00  4.2036e+00
 -4.1163e+00  8.5711e-01  3.0346e+00  9.1280e-01  9.1120e+00 -3.8514e+00
 -3.2048e+00 -1.0800e-01  2.4440e+00  1.0923e+00 -1.5456e+00 -3.1858e+00
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 -2.2083e+00  2.4220e+00 -1.8037e+00  3.9547e-01 -5.7090e-01 -2.7283e+00
  1.6982e-01 -3.7028e+00 -2.0954e+00  4.8923e+00 -1.4368e+00 -3.0564e+00
  6.5565e-01  1.8143e+00  2.4277e+00  1.5989e+00 -2.6733e-01  4.3286e+00
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 -3.5658e+00  5.0222e-01  1.2934e+00 -4.9681e+00  4.0759e-01  3.3523e-02
```

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  8.4355e-01 -3.5514e+00  3.1397e-01 -1.5371e+00  1.1361e+00 -3.2925e+00
  2.5997e+00  1.4933e+00  3.7083e+00  4.3060e+00 -2.7438e+00 -3.0324e+00
  1.3860e+00  1.1199e-02  2.1141e+00  2.6381e+00 -1.8981e+00  8.8117e-01
  9.7910e-01 -4.6306e+00  3.6411e+00  1.9840e-01 -3.3442e+00  9.5195e-01
 -5.1968e+00 -3.5907e-01  2.5485e+00 -5.3596e-01 -5.5789e-02 -1.8280e+00
  1.9041e+00  1.0972e+00  4.8142e+00  8.0194e-01 -1.9918e+00  2.0528e-01
 -2.9887e+00  5.0325e+00  1.3513e+00  1.2978e+00 -2.9035e-01 -6.2578e-01
  2.2374e+00  7.5107e+00  7.7069e-02 -1.4232e+00  1.6976e+00 -4.7912e+00]
on [ -5.1644     0.37588  -12.979      6.4501    12.282     -6.894
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  -4.4114     2.6695     6.5306     7.9306     6.462     -4.5929
   6.6779    -3.3701     0.7235   -14.288     11.688     -1.5876
   4.6762    -0.12351    0.40614    1.6251    -9.0457     2.2636
  -9.9742    -0.99827   -7.3057   -16.441     10.57      -8.9467
  -6.1169     1.0966     1.1533     5.0548     6.9433     2.7976
   4.0385   -10.254      1.6543    -2.6761     9.4312    -6.7178
  -1.1029    12.858      0.16087    1.9361   -20.521     -9.4667
  -3.79       7.6723     4.1902     4.4285    -7.7376     8.0799
 -13.336      4.2537     0.6928     5.3262   -12.469     -6.8207
   0.94208   -0.65119   -8.0272     2.5939   -13.054     -6.9314
 -12.771     -3.9418     1.2421    -3.778      9.7632    -3.0477
  -6.3561     0.32582    0.23982   -8.7349     1.7952     6.4242
  -4.1705     0.31118   11.281      1.0591    -7.1079   -11.568
  -2.4303    -4.8778    -1.9376     0.19282   -4.9268   -10.487
   6.6852    -8.0822    -1.1265     4.6279    -1.0307    -2.5203
  10.88       8.8841    10.141     -1.8135    -0.99151    1.7099
  -4.9591   -13.291      8.7431     5.3298    -7.1581    -5.6555
  11.085      1.7293    -2.6437    -6.3318    -2.0692    -8.9679
  -0.96731   -5.0771     7.6998   -12.223      2.9264     5.1296
  10.782      1.5613     5.2318    -6.3391    -4.2381     3.8213
  11.121      5.038      6.2836     5.8484    -9.0569    -2.2652
   4.5106     1.5482     7.0571    -4.4808    -5.1193    -3.8884
   6.2556    11.714    -11.033     10.66       4.6303     3.4309
  -3.7548    12.328     -3.8103    -5.1119    -1.6713    -0.29489
  -0.83736    1.7867    -2.6334     8.4909     1.1187   -11.104
  -1.1288    -0.4442    -7.2217     4.8274    -7.3283     6.6037
   1.7418     8.3055    -9.1563    -6.2955     0.70904   -1.5316
  -3.9727     2.1384   -10.73      -2.5498   -13.581    -13.251
   7.9649     3.5058     4.5801    -1.2867     0.82607    2.4572
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  0.84826    1.9776     5.7439    -3.0336     7.0412    -2.1809
 -2.5958    -5.3713    -6.036     -3.6573     2.3026     3.5773
  2.8893     8.1103   -11.148    -10.017      3.0348   -12.237
 11.329      3.1368   -12.82      13.55      -6.0564   -10.197
 -0.13422   -2.2805    -4.8628     1.5579     2.9909    -2.8118
 -5.1179     1.2207     5.3502    -0.53956   -2.9435    -6.3866
  1.8024    -5.7598    -0.57791   -4.8671     0.19418   -0.51796
  2.3978    -8.1706     5.201     -5.3545     3.8467    -1.9522
  6.2328     3.1725    -7.438      3.9426    -4.1872    -2.1013
 -5.882     -5.9477    -2.2833    -6.6005    -5.1908     2.3649
 -2.5351    -2.9763   -11.257     10.302      5.0335     0.50626
 -7.8366     4.5668     0.79684    1.8886     6.0998     5.546
  5.6222     9.4147     8.7242    23.678     11.87       1.5342
 10.826     -3.0042    -5.0521     3.8545    -3.1165     0.44016
 -4.2141    -7.2481     1.9607    -7.6449     5.5237    -7.5878
  9.7467     3.4266     3.5488    -1.7198    17.089      4.7331
 -1.3297     7.8634    -4.4486     8.4561   -10.377      0.37455
  2.3249     3.2802    -0.63255   -3.8492     2.7231     1.8247
-11.873      0.32242   10.403     -0.083841  -5.4552   -11.212   ]
generative [-4.1984e+00 -1.8623e+00  9.0527e-01  7.5985e-01  2.2335e+00 -3.2466e-01
  3.0580e+00  4.0770e+00 -2.3922e+00 -1.4594e+00  6.4190e+00  2.3408e+00
 -4.9173e+00  4.2981e+00 -1.3675e+00  4.7672e+00  4.2458e+00  2.7011e+00
 -2.4289e+00  3.3577e-01  1.9483e+00  4.7800e+00 -1.3146e+00 -1.4861e+00
 -1.5851e+00 -3.2065e+00  1.9104e-01 -3.9727e+00 -1.6602e+00  2.5932e+00
  1.7028e+00  1.2718e+00 -3.4808e+00 -1.1231e+00 -7.1224e-01 -3.8914e+00
  1.3381e+00  2.4634e+00  1.3622e+00  1.1502e+00 -2.2300e-01 -2.6787e+00
  2.0938e-01  8.7649e-01 -4.3431e+00  2.2677e+00  2.6198e+00 -2.6482e-01
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  1.7596e+00  1.7600e+00 -5.5490e-01 -2.5919e+00  4.8190e+00  3.2296e+00
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 -2.6318e+00  1.0872e+00 -1.1016e+00  1.7633e+00 -1.9583e+00  2.7424e+00
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 -1.7728e+00  1.5771e+00  1.3914e+00 -3.4427e+00 -8.5154e-01 -1.5799e+00
  4.9245e-01  1.1227e+00  1.0814e+00  1.2687e+00  2.1322e+00 -9.5872e-01
  5.2747e+00  2.9449e+00 -1.0553e+00  8.0465e+00 -6.3377e-01 -3.0067e+00
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  5.2929e-01 -1.8502e+00 -4.2834e+00 -1.2801e+00  3.3564e+00  4.3776e+00
 -1.5135e+00  3.0662e+00  1.9705e+00  3.6757e+00  3.0294e-01  9.4029e-01
  1.8815e+00 -9.4217e-02  1.1378e-01 -4.0276e+00 -1.6635e-02 -7.6900e-02
  2.0080e+00  4.8105e-01 -2.3214e+00 -2.2797e+00 -1.3172e+00 -1.4703e+00
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```

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 -4.5488e+00  4.5361e-01  1.8181e+00  1.8150e+00  2.4578e+00 -2.5893e+00
 -6.4450e+00  7.0302e-01 -8.4223e-01 -3.6326e+00  3.1321e+00 -1.0282e+00
  4.7426e-02  2.8925e+00 -7.2252e-01  6.9645e+00  3.4112e+00  4.7661e+00
  2.7605e+00 -1.2996e+00 -1.4081e+00  3.9949e+00  5.2066e-01 -2.2008e-02
  2.7261e+00 -2.5921e+00  8.9375e-01 -7.2451e-01  1.5364e+00  4.7203e-01
  1.2604e+00 -3.4024e+00  8.7527e-01  1.4970e+00  3.1531e+00  7.2801e-01
  2.4933e+00  1.3117e+00 -1.6021e+00 -1.5873e+00 -2.4014e-01  2.5251e+00
 -2.3462e+00 -6.7706e-01  3.1598e-01  7.2715e-01 -2.8527e+00 -2.6802e+00
  1.6482e-01  1.1626e+00  2.8710e-02 -3.3676e+00 -2.1764e+00  8.5218e-01]
AI [ 6.1869e-01  1.2587e+01  1.6028e+01  4.7017e+00 -3.5819e+00  4.6631e+00
  6.1646e-01  4.0545e+00 -9.9546e+00 -3.0884e+00  5.9248e+00  7.2768e-01
 -9.9323e+00  3.8500e+00  5.5162e-01  6.4762e+00  1.6270e+01  2.8287e-01
 -1.9891e-01 -6.8024e-01  5.6872e+00  2.3320e+00 -5.1827e+00 -1.1052e+01
 -9.0753e+00 -7.7140e+00  5.2942e+00 -8.4062e+00  3.5339e+00  5.7073e+00
 -3.5595e+00  6.4748e-02  5.0286e-05  2.2772e+00  1.5312e+00 -1.2104e+01
  1.1697e+01  3.1172e+00  1.2409e+01 -2.9225e+00  3.4033e-01  4.2832e+00
 -9.8264e+00  4.0640e+00 -1.1671e+01 -9.8510e+00 -1.3919e+00 -5.3706e+00
  4.8537e+00 -1.1858e+01  7.3015e+00 -4.7101e+00  4.7406e+00 -4.4613e+00
 -3.8255e+00  6.2826e+00 -5.2355e+00  6.5506e+00  2.7690e+00  2.8569e+00
  9.0748e+00  1.7618e+01  2.7549e-01  7.1337e+00  4.9903e+00  9.7100e+00
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  1.0280e+01 -1.6060e-01 -8.3087e+00 -5.3565e+00 -1.8751e+00  1.1825e+00
  1.9157e+00 -6.2487e+00 -4.8719e+00 -7.5480e+00 -6.7414e-01  7.9720e+00
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 -1.2262e+01 -3.7011e+00 -6.2159e-01  4.0970e+00 -1.0730e+01  1.0047e+00
 -2.2405e+00 -8.8812e+00  1.0971e+01 -7.6840e-01  4.7883e+00  1.9104e+00
  1.9301e+00  4.4811e+00 -7.9643e+00  1.2262e+00 -1.0377e+00  6.2550e+00
  5.8459e-01  9.8552e+00  4.8381e+00  3.2218e+00 -2.4746e+00  8.7936e+00
  7.1575e+00 -6.5542e+00 -8.5722e+00 -4.8591e+00 -3.7189e+00 -9.9886e+00
 -8.7317e+00 -4.0756e+00  6.8521e+00 -6.6975e+00  9.1205e+00  6.2413e+00
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 -4.0996e+00  5.4522e+00 -6.6194e+00  1.7675e+00 -8.2127e+00  8.9192e-01
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  5.6114e+00  9.9294e+00 -1.0425e+00 -2.5208e+00 -7.1279e+00 -3.3542e+00
  4.9536e+00  1.2797e+01  1.0166e+00  2.4799e+00  5.1036e+00  7.2470e+00
 -9.9900e+00 -3.4104e+00 -1.3032e+01 -4.2529e-01  1.5566e+00 -1.0857e+00
 -5.4087e-02 -2.0184e+00 -1.6324e+01 -5.0229e+00  1.4560e+00  4.0786e+00
  7.5318e+00  8.1921e+00 -1.2861e+01 -1.0000e+01  2.2295e-01 -6.4354e+00
 -1.3453e+01  1.2180e+00 -3.4212e-01 -2.1673e+00 -5.1843e+00  2.3981e+00
 -1.3361e+01 -1.1202e+01  4.3066e+00 -1.9320e+00 -3.5340e+00 -6.7263e-01
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  9.1854e+00 -8.8925e-01  3.5552e+00 -6.7675e+00  3.3616e+00  6.3822e+00
 -2.2441e+00 -5.6063e+00 -1.5498e+01 -2.0045e+00  1.5664e+01 -7.4311e+00
  3.9726e+00  5.8759e+00 -6.4068e+00 -4.3795e+00  6.9033e+00  6.0715e+00
 -9.1670e+00  4.0623e+00 -2.4536e+00  3.5149e+00  4.1275e+00 -1.9892e-01
  3.8086e-01 -9.1766e+00 -3.0350e+00  7.9691e-01  1.2410e+01 -1.5997e+01
  9.0336e+00 -3.3896e+00 -2.6887e+00 -1.5902e+00  5.3990e+00 -2.7479e+00
  4.2514e+00  5.8082e+00  2.1605e+00 -2.5151e-01  6.9045e+00  5.9154e+00
  1.3823e-01 -1.6145e+00 -2.4693e+00 -6.9598e+00 -3.3928e+00  6.1097e-01
  7.1376e+00 -4.2737e+00  5.1006e+00 -9.4068e+00  1.0899e+00  1.8832e+01]
implementation [-2.2979e+00 -1.4178e+00  3.1261e+00  1.5464e+00  2.8858e+00 -2.9871e-
```

```
01
  1.6426e+00  3.2495e+00 -1.4697e+00 -2.7550e+00  7.4961e+00  2.9808e+00
 -5.5350e+00  1.4628e+00 -8.4588e-01  3.8281e+00  5.3096e+00  2.5631e+00
 -6.4970e+00  1.6083e-01  7.5565e-01  5.8616e-01 -3.7656e+00  3.9139e+00
 -2.9201e+00 -2.5789e+00 -1.4256e+00 -8.1077e-01 -4.0770e+00  7.2765e-01
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 -4.7410e-01  1.6664e+00 -4.1588e+00  2.2876e+00  3.9526e-01 -5.3017e+00
  2.0497e+00 -1.0425e+00 -3.1729e+00  2.7481e-01  3.2804e+00  2.3417e+00
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 -3.2518e+00  1.4612e+00 -1.8402e+00  1.9147e+00 -1.8757e+00  1.5916e+00
 -2.3625e+00  2.0125e-01 -3.2679e+00 -8.5725e-01 -3.1632e+00  3.8909e+00
 -1.1427e+00 -1.1944e+00 -3.4592e+00 -3.4034e+00  4.0299e+00  3.6284e-01
  6.5758e-02  1.2172e+00  3.0985e+00 -3.1450e+00  1.0937e+00  4.0188e+00
 -5.6026e-01 -8.0822e-01  1.5013e+00  3.0791e+00  5.6741e+00  8.0205e-01
  5.2526e+00  2.7705e+00  9.3854e-01  8.1942e+00  1.3163e+00 -2.1643e+00
  1.1589e-01 -5.3940e-01  4.3532e+00  3.1425e-01 -3.8975e+00  2.3041e+00
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 -3.3919e+00 -4.7696e+00  1.2247e+00 -1.0517e+00 -3.5240e+00 -2.1521e+00
  9.7927e-01 -5.7487e+00  3.1854e+00 -5.5986e+00 -6.6400e+00  1.8931e+00
  6.2168e+00  6.8428e-01  1.5434e+00 -2.6377e-01 -9.2018e-01 -2.0305e+00
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 -2.7659e+00 -3.0944e-01  1.7261e+00  1.0196e+00 -2.1434e-01 -1.8931e+00
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  2.5809e+00 -1.4979e+00 -1.0184e+00 -8.3167e-01  9.1283e-01 -1.3794e+00
  6.3927e+00  1.3931e-02 -3.9990e+00  1.6346e+00 -9.5861e-01 -2.8553e+00
 -3.8926e-03 -4.4836e-01 -2.7058e+00  2.8374e+00 -4.9884e-02  1.5841e+00
  5.4961e+00 -4.5654e+00  2.8713e+00  2.1048e+00 -4.1642e+00  3.0780e+00
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 -8.8788e-01 -7.8812e-02 -1.3700e+00  1.7174e+00 -9.0999e-01  1.8954e+00
 -3.4699e+00  6.4404e-01 -1.3802e+00  1.9628e+00  2.4423e+00 -2.0739e+00
 -4.0207e+00 -2.9384e+00  1.3662e+00 -2.9407e+00  1.5645e+00 -8.8895e-01
  8.5381e-01  1.8696e+00 -4.6927e+00  6.3264e+00  3.7745e+00  4.0950e+00
  3.2649e+00 -5.2394e-01 -2.4121e-01  3.4453e+00 -1.3008e+00 -3.9530e+00
 -2.9969e+00  3.1456e-01  2.1596e+00 -3.7089e+00  3.0570e+00 -3.8387e+00
  5.3129e-01 -6.0082e+00 -8.4721e-01  3.7366e-01  5.4269e+00 -8.9186e-01
  1.9567e+00  5.8336e-01  2.5312e+00 -2.0180e+00  1.6566e+00  2.3639e+00
  6.1791e-01 -1.5435e+00  2.2325e-01  1.4208e-01 -9.7368e-01  2.1564e+00
 -3.3810e-01  1.0484e+00  1.2709e+00 -5.8376e+00 -4.1673e-01  3.1632e+00]
across [ 2.2639    3.1342   -5.7406    3.2792    4.916     4.4434   -0.71786
  7.9614    1.965     3.8375    1.1107    0.062414 -5.111     3.8572
  5.5174    1.9079   -5.1073    0.55822   1.4715    0.059739  0.11021
 -1.5413   -0.59084  -1.0435    0.74367  -2.4863   -2.7925   -4.7106
 -1.2551    0.463     0.83434  -0.3673   -3.4428   -7.0064    1.1117
 -7.3562   -4.3448    2.6427   -0.22005  -1.2921    2.726     0.32943
 -1.729    -3.99     -1.4328    6.2273   -2.1563   -2.6544    0.35579
  0.83733   1.8949    0.67689  -0.84023  -4.2957    1.5042   -5.6772
 -0.59839   5.2964   -0.11538  -0.73255  -2.4336    3.1123    0.61746
  0.86063   0.98673   4.4963   -3.9319    5.7765   -0.9328    2.0466
```

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  0.40546  -1.1568   -3.098     3.8693    1.1959   -1.804     0.1161
  2.0829   -3.049     1.0866   -3.3009    0.049688  2.4169    0.86234
  4.3186   -1.1085   -1.3688   -2.        0.89328  -2.1664   -2.8606
 -0.86218  -1.9782   -1.664    -2.168    -0.85644   6.4791   -3.8221
  0.82015   4.2122    3.6285   -2.1146    1.3996    0.12479   1.8776
  6.7883    4.7331   -6.1703   -2.6827   -3.3153    0.58216   1.3615
 -5.8886   -0.17261   2.0978   -2.4722   -0.64869  -5.2089    0.16487
 -4.592    -2.725     1.5859    0.39084   2.7737   -1.108    -4.197
  0.59154   1.1475    6.5901    1.0113   -3.8479   -0.47754   5.9673
  5.0171    1.659     1.5345   -7.882     4.3824   -2.2239   -1.8567
 -3.576    -2.1145   -3.8372   -5.0739    1.6296    2.7938   -5.1058
  3.9901    0.073509  6.2184    4.0272    2.5765    1.2915    0.60105
 -4.976    -5.5724   -1.0158    0.87195  -2.3157   -0.23157   2.0788
 -2.0644    0.52732   9.5668   -3.9607   -1.7394   -0.758    -1.9579
  2.1413    2.5755   -1.8096   -0.5477    1.3628    0.26348  -1.9787
  0.83647  -2.9333   -3.3429   -3.4965   -5.5289   -2.3975    0.68724
 -3.7768    0.82533   1.6395    0.20519   3.3311    6.1325    0.85087
 -0.24809  -1.561    -4.4656   -0.29453  -4.6694   -3.7262    0.57433
 -2.4603   -0.26532  -2.0826    2.2251   -4.3605   -3.0378    1.7157
 -1.707     8.2625    1.2305   -6.1299    1.177     1.2341    1.3095
  2.0899    1.6921   -0.13963  -4.907     2.7973    1.8393    0.96413
 -7.277    -4.2426   -3.8832   -2.087     3.0501   -4.9602   -0.90015
 -0.88823  -2.1202    2.2522    2.6132    6.4438    4.6643    4.969
  0.96856   1.9823   -3.095     4.6284   -3.5121    0.2714   -1.3263
 -0.34773  -4.9583   -0.86475  -2.1121   -0.81582  -0.85999  -1.7851
  1.4216   -4.8337    1.2607   -0.55684   3.1783   -2.6614    0.24015
 -8.5934    0.69214  -1.6342   -4.597     1.9878    2.6148   -1.634
  0.080856  5.2369    8.4485    2.7079   -1.4307    6.9135   -4.8308
 -5.8306    1.8262    2.3551    3.5908    1.8135   -1.1806    3.7502
 -5.388    -0.97245  -3.0939    1.7017   -2.3312   -2.5656   -1.8793
  4.3613    2.6121    0.80981  -0.55249  -6.9493   -0.23835  -1.5758
 -0.013085  3.9766    0.83983  -3.0825    2.8043   -0.51304  -1.4875
  1.377     4.3407   -3.4417   -2.2481   -1.4083    4.7129  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
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 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
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```

```
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  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
 -5.2159e+00 -3.3565e+00 -2.6745e-01  3.9148e+00 -2.7248e+00  3.7187e-01
 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
 -2.0715e+00 -5.2312e-01  1.4389e+00 -5.0093e+00  4.3909e-01 -7.2692e+00
  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
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  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
military [-1.5709e+00  1.0766e+00 -3.1562e+00  4.4333e+00  4.9992e+00  1.3575e+00
 -1.3747e+00 -2.7850e-01  2.0325e+00 -2.7307e+00  4.1980e+00  3.9834e+00
 -1.5889e+00  1.6623e-01  9.7931e-01  2.7551e+00  2.0996e+00  1.4656e+00
 -2.6738e+00  2.8668e+00  1.7454e+00 -2.9406e+00 -2.0653e+00  4.0118e+00
  6.3821e+00  2.7844e-01 -1.5368e+00 -1.4904e+00 -7.2498e-01 -2.9274e-01
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  4.1299e-01 -1.8052e+00  2.2600e+00  2.5608e+00 -7.2836e-01  9.4964e-02
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  2.9351e+00  4.0414e+00 -3.5861e+00 -2.8962e+00  3.2297e+00  3.6680e-01
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  1.9633e+00  4.2004e+00  1.2619e+00 -1.5416e+00 -4.7693e+00  1.4048e+00
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  4.1198e+00 -4.2023e-01 -4.3043e+00  2.2711e+00 -6.5108e-01  2.4454e+00
 -1.4666e+00 -5.2093e-01 -1.7537e+00 -1.9978e+00 -3.5276e-01 -1.5070e-02
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```

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  1.3029e+00  2.1296e+00  1.9092e+00 -3.2390e+00 -7.8739e+00  2.2799e+00
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 -5.5256e+00 -3.0588e+00 -6.0943e-01 -1.1059e+00 -4.5862e-01 -6.6876e+00
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  4.8291e+00  1.1319e+00 -7.4256e-02 -1.3744e+00  2.8831e+00  1.6566e+00
 -1.2908e+00  5.1842e+00  4.7406e+00  1.7980e+00 -2.9314e+00  9.6018e-01
 -1.9636e+00  1.4370e+00 -1.2256e+00 -3.3396e+00 -4.5422e+00  5.2500e+00]
services [-2.7056e-01 -3.5374e-01 -1.0067e+00  9.1189e-01  4.4364e+00 -2.1614e+00
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 -6.4665e+00  1.8608e+00 -5.4252e-01  4.6264e+00  3.1371e+00  3.6473e+00
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 -4.5495e-01 -4.5541e+00 -4.5704e-01  4.0914e+00 -3.5858e-01 -8.2676e+00
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 -1.5285e+00  6.0675e-01  4.4620e-01  1.2467e+00 -2.1022e+00  4.3554e+00
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```

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 -5.5179e+00 -3.2010e+00 -3.1081e+00  1.6516e+00 -9.0856e-01  4.4093e-02
 -9.8697e-01  2.7369e+00 -2.4312e+00 -5.6634e+00  2.3452e+00  5.7850e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
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  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
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 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
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 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
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 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
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  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
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 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
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 -1.6553e+00 -3.9243e+00 -1.6701e+00  2.2704e+00  3.4686e+00  1.2124e+00
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  2.0945e+00 -5.2343e-01  4.3787e+00  1.4959e+00 -3.2598e+00 -2.6085e+00
  1.9777e+00  4.4006e-01 -1.5258e+00 -9.1651e-01  2.7819e-01 -2.8672e+00
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 -1.2455e+00 -1.5580e+00 -2.3148e+00  2.2156e+00 -1.0421e-01  1.1694e+00
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 -3.7481e+00  1.3103e+00 -1.4233e+00 -6.4541e+00 -8.6162e+00  5.8673e+00
 -1.5601e+00 -6.8860e-01 -2.4346e+00  5.4334e-01  1.1415e+00 -2.5969e+00
  2.1159e+00  2.2011e+00  2.2243e+00  1.9312e+00  7.8822e+00  1.5265e+00
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  4.4815e-01  4.3389e+00 -4.0426e+00  2.0551e+00  4.2549e+00 -1.5444e+00
  4.0603e+00 -3.9018e+00  4.0509e+00 -1.9058e+00 -3.0940e+00 -2.5366e-01
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  6.6999e-01 -5.3032e+00  2.0987e+00 -3.9442e+00  3.4534e+00 -1.5343e+00
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 -1.4770e+00  4.2207e-01  7.3922e-01 -2.8959e+00  5.8038e+00 -2.1181e-01
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  1.1611e+00 -1.8546e+00 -2.7324e-01  2.3591e+00 -7.6830e-02 -2.0106e+00
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  2.4492e-01  1.0117e+00  3.2693e+00 -9.5010e-01  5.8508e-03  9.3704e-01
 -3.8259e+00  4.3888e+00  3.7159e+00 -4.0342e+00  3.1491e+00  9.5624e-01]
agencies [-3.9608e-01  2.9766e-01 -5.0940e+00  7.9716e-01  4.7650e+00  4.4921e-01
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  2.1694e+00 -2.6164e+00  8.0167e-01 -3.7197e-01  1.5774e+00 -4.6597e+00
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 -6.1607e-01  3.0563e+00 -6.8784e-01  6.4871e+00 -1.2673e+00  1.6958e+00
  9.0437e-01 -2.8787e+00  2.4036e+00  3.1209e+00  5.6566e-01 -2.5053e+00
 -4.0628e+00  2.2434e+00  2.0126e+00  3.9385e-01  1.4474e-01 -5.0945e+00
  1.2711e+00 -5.2649e+00 -2.9900e-01  8.1350e-02  1.3631e+00 -6.1965e-01
  1.6948e+00 -3.8915e+00  2.0673e-02 -2.1306e-01  3.1456e+00  3.7200e+00
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 -1.1401e+00  2.0746e+00 -8.7145e-01 -2.1191e+00 -5.9232e-02  4.6784e+00]
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  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
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  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
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   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
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  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
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 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
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  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
```

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 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
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 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
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 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
also [-2.5758    2.2934   -1.7223    1.4553    3.1312   -3.848     3.5913
  3.9267   -2.2259   -2.3695    7.5681    2.089    -4.0038   -2.0433
 -0.3355    1.8083    2.5852    4.4787   -2.2444    0.88621   1.9464
 -2.5677   -4.3804   -3.0582    0.57925  -3.5251   -7.6005    2.1784
 -4.3994   -4.8562    2.1111    3.0408   -3.0248   -0.67369  -1.4477
 -1.4821   -1.6613    0.61908  -2.2551   -1.6935    0.18826   1.9406
 -2.1643    2.3769    2.8462    0.69318   1.7998   -4.8034   -1.46
  5.489    -1.276     1.7793   -0.81696  -5.6578   -2.9281   -2.7183
  1.0738    2.7001    0.4422   -6.854    -0.78026   0.52645  -0.40818
  0.61471   4.6019    0.66384  -2.6675   -6.0479    0.92845   1.2005
  2.3321    3.3836   -4.3286    0.01402  -1.3786    1.3116   -4.7063
  2.4601   -4.4824    1.4473   -5.0932   -0.97371  -1.1099   -0.62123
  1.1291    0.57286  -1.2971   -4.0354    0.22962  -1.4062   -1.3029
 -2.5135    3.7993   -2.3861    4.4439   -0.96577   2.4051   -3.7487
 -0.54368   5.181    -0.67503   0.7159    0.14367   4.2835    1.7307
  4.3459   -1.4678   -5.3859    2.621    -5.6255    2.4296    4.2287
  0.99281   0.56292   2.1813    0.15443   0.15325   0.087202  0.72123
 -3.2424   -0.97296  -0.31593   3.0396    1.2792   -0.78012  -2.9605
 -2.2767   -3.5599    3.8483   -1.333    -2.2472    2.8762    2.9653
 -0.13954  -1.2863    1.8106    0.45349   2.2914    4.6958    1.1373
 -3.5074   -1.5832    1.5491    0.15274   1.1042   -5.1815   -0.033928
  1.9691    4.8922   -3.5373    2.8047    3.8863   -2.3688    0.28948
 -2.8992    0.34097   3.1702   -0.93149  -3.7852   -1.8311    0.61836
 -2.0702   -0.028366 -2.0338   -3.5187   -4.825    -7.0838   -0.69097
  2.6543    0.54706   0.66315  -1.7094    1.9139    3.51      6.1043
 -0.92349   0.24268  -0.36663  -0.63807  -2.0932   -6.0832    1.9377
  1.8542   -1.5982   -0.22696   3.6266   -4.1051   -2.5871    2.4106
  1.3408    1.5087   -2.9158    3.0434    1.0695    1.4968    3.5863
 -1.9265   -2.5519    1.8717   -0.414    -3.0839   -1.6288   -2.305
 -2.4375    5.7763    0.62857  -5.4214    3.711    -0.84714  -1.1103
 -1.3296   -0.36775   0.35664   1.2082   -0.079606  3.1513    3.2957
 -6.2519   -0.18854   0.64317   0.62803   0.62814  -4.41      0.40738
 -4.7149   -2.5854   -1.6998    2.2307   -0.80114  -0.36656   0.5388
  0.71646  -3.8975    3.6764    2.2512    0.26753  -0.79629   0.62894
 -5.2274   -0.83068   0.82335   3.2057    1.5289    0.97975   2.5277
 -0.88389  -1.9077   -1.7388   -0.77585   2.2568    0.99119  -3.0369
 -0.75887   2.8571    0.17363  -3.7765    1.0842   -0.65851   1.6633
 -0.39986  -1.2021    5.3802    5.2789    1.8639    2.1895   -0.32865
  1.7236    6.9055   -1.7931   -0.040837 -0.78658  -1.6789    2.1183
 -3.1289    1.6638   -4.7407    2.3182   -2.0569   -4.9437    1.3535
  1.8913    0.11439   2.1461    1.2403    5.1726   -2.504     1.2351
  2.7507   -0.87551   3.5109    0.86589  -1.4102    3.6202    1.9717
 -3.866     2.3845    0.47195  -3.6366   -2.6367    0.48551 ]
develop [-3.2832e+00  1.4373e+00  3.2630e-01 -8.1916e-01 -2.0560e-01 -1.0107e+00
 -2.2272e+00  3.6937e+00 -6.8417e+00  8.2217e-01  5.7126e+00  5.4701e+00
 -5.5660e+00  1.2843e+00  5.0303e-03  2.1322e+00  1.2141e+00  1.0411e+00
 -2.7113e+00 -1.8227e+00  1.4765e+00  1.7910e+00 -4.9681e+00  2.1381e+00
```

```
 -3.7309e-01 -4.9713e+00 -3.1740e+00  2.1349e+00 -5.5373e+00  3.7863e+00
  3.6243e+00  9.3044e-01 -3.8505e+00 -6.1583e-01 -2.7463e+00 -3.7705e-01
  4.0699e+00  2.1835e+00 -2.5318e+00 -2.6332e+00 -1.7927e+00  2.3645e+00
 -1.7163e+00 -1.7386e+00 -3.1280e+00  3.8867e+00  4.0087e+00 -4.4772e+00
 -2.4382e+00 -1.0979e+00  1.9723e+00  6.0258e+00 -1.0100e+00 -4.4881e+00
 -1.5854e-01 -2.0102e+00 -5.2276e+00  5.0780e+00  2.0889e+00 -5.2976e+00
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 -1.3127e+00 -4.6406e+00  2.1779e+00  3.3450e+00 -1.2535e+00 -1.7127e+00
  4.8736e-01  2.3676e+00 -1.1051e+00  1.5138e+00 -2.9023e+00 -1.5430e+00
 -1.7874e+00  1.9046e-01 -9.1150e+00 -5.3180e-01 -4.6576e-01  4.9919e+00
 -1.0967e+00 -6.0559e-01  1.8416e+00 -3.2398e+00  2.1827e+00 -1.2550e+00
  1.8344e+00 -1.7017e+00 -2.2253e+00 -5.0780e+00  1.1110e-01  1.6335e+00
 -1.8099e+00 -5.5609e+00  1.0362e+00  1.7631e+00  3.6663e+00 -1.3503e+00
  2.2466e+00  1.4584e+00 -3.6519e-01  7.9771e+00  6.5191e-01 -3.6427e+00
 -2.0272e+00 -1.5002e+00  5.9846e+00 -6.9806e-01 -6.0644e+00 -2.9083e-01
  2.9822e+00  3.7045e+00 -5.8626e+00 -2.8524e+00 -4.8924e+00 -3.0373e+00
 -6.1152e+00 -2.1525e+00 -1.3145e-01 -1.6500e-01  3.5785e-01  3.8283e-01
  1.7253e-01 -6.2385e+00  1.4068e+00 -1.7027e+00 -6.2907e-01 -1.0994e-02
  5.0017e+00  5.1664e+00  2.2599e+00  3.4998e-01 -3.1446e+00 -4.3987e-01
  1.2267e+00 -8.2705e-01  2.7307e+00  2.8752e+00 -9.3863e-01  1.8918e+00
  2.8854e+00 -5.3843e+00 -5.2366e+00 -3.5279e+00  1.4862e+00  4.7259e+00
  1.8757e+00  2.3519e+00 -5.6153e-01  1.8646e+00 -5.5903e+00 -2.6049e-01
  1.6591e+00  3.0479e+00  2.7646e+00 -3.6179e-01 -4.7422e+00  2.9329e+00
  1.1562e+00  1.9029e-01 -1.6873e+00 -5.0944e-01 -2.8364e+00 -2.1772e+00
  2.2203e+00 -5.6611e+00  3.8814e+00  1.4373e+00  5.9144e+00 -4.0906e-01
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 -4.9037e+00  2.4447e-01  6.1714e-01 -3.1608e+00 -3.0837e+00 -2.7329e+00
  1.2047e+00 -3.1971e-02  3.7904e+00  2.4215e+00  2.1684e+00 -4.0288e+00
  5.9997e-01 -4.0295e+00  1.5906e+00  2.1813e+00 -2.2505e+00 -8.4590e-01
 -2.3677e+00 -3.2641e+00 -9.6263e-01  1.6189e+00  1.2955e+00 -1.1607e+00
  3.1873e+00  4.6161e+00 -7.4392e+00  1.6842e+00  8.5372e-01 -2.9438e+00
  3.6247e+00 -5.6155e-01  5.5025e-02  1.8763e-01 -1.5304e+00  3.7403e+00
  4.1960e+00 -3.3193e+00 -9.9163e-01  3.3180e-01 -3.4093e+00  5.1422e+00
 -8.5310e-01 -1.4431e+00  2.4020e+00  7.7011e-01  4.1749e-01  1.5415e+00
  6.6532e+00 -6.1688e-01  2.2069e+00 -4.9825e+00 -4.1882e+00  3.3366e+00
  4.8362e+00 -9.3971e-01 -2.2689e+00 -3.4801e+00  1.6706e+00  2.0821e+00
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 -6.8337e+00  1.1504e-01  1.2280e+00  8.8116e-01 -1.2992e+00  1.0112e+00
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  1.7100e+00 -1.7516e+00 -1.7609e+00  3.4193e-01  1.2379e+00 -5.6656e+00
 -1.4131e-01  3.0516e-01  1.9372e-01 -2.5259e+00  4.5924e-01 -4.3902e+00
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  3.7093e+00 -1.4811e+00 -2.1995e-01  6.2762e-01  1.9136e+00  5.8807e+00
 -1.5954e-02  1.5473e-01  3.3388e+00 -1.8724e+00 -6.0154e+00  5.3286e-01
  7.0998e-01 -5.9153e+00 -1.6140e+00 -1.5513e+00 -2.0236e+00  2.0587e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
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 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
```

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 4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
-1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
 9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
 3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
 1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
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-4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
 9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
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 4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
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 5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
-2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
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 4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
 8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
-1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
-2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
-3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
 3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
 9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
 1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
-4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
-4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
-2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
 5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
 2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
 4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
 7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
-3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
-2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
recommend [ 0.16414   0.34552  -0.98019  -0.46084   2.9761   -2.268    -0.72948
  1.7608   -2.0222    2.8622    0.58216   2.4613   -7.0915    1.9448
 -0.85447   0.73414   3.8699   -1.0924    1.2331   -1.2847   -1.6549
 -0.30285  -1.2348    0.45927  -3.3336    4.9303   -4.4207    0.018262
  0.62735  -0.19406   2.6758   -1.5744   -1.8253   -0.47577   2.8416
 -0.14025   3.3614    0.1714    5.4419    0.8413   -3.1424    0.19492
  1.3286   -1.1243    0.21664   1.989     5.8106   -1.0585   -0.37216
 -2.5911    2.1071    0.60926  -0.77341  -5.2634    0.94003  -0.11832
 -1.9044    3.047     3.7038    1.7404    1.9561    0.67081  -3.1601
  1.7564   -2.2916    1.9139   -1.7631   -0.28945   1.0448    5.0126
 -1.9872    1.5689   -2.2716   -0.19051   1.8705    1.8118    1.6199
  0.9375   -1.6173   -0.62078  -0.52246   0.42071  -0.37405   1.8067
  0.049309 -2.0223    0.29534  -2.3124    2.4443    1.814     1.0113
  1.4134   -1.1107   -2.8009    2.3434   -0.95033   1.574    -4.3953
 -1.3809    1.6931    0.40221   0.30014  -5.1014    1.3599    3.3016
  4.9769   -3.8837   -1.5778   -2.0445   -1.4456    1.9522   -2.4045
 -1.0345   -1.4087   -2.4711    4.7107   -4.7701   -1.5489   -1.3702
 -3.1737   -3.5011   -0.072666  0.73883  -0.47563   0.84816   0.71939
  0.24906  -3.0218    1.5169   -0.59808  -3.3692    1.6492   -1.1472
 -2.8469    0.58624  -1.8839   -3.5784   -1.7671    2.4749   -1.0723
  0.2711    1.6804    0.18048  -3.2045   -2.4438   -1.0795    0.3125
 -3.2465   -1.3272    2.1495    0.60017  -1.2298   -1.0643    0.87386
 -1.3863   -1.4711    5.2601    0.15332  -0.14646  -2.2265    1.7584
  0.19418  -0.084698  1.1347   -0.57374   3.242    -1.2466    0.95526
```

```
 -1.362    -4.4611    3.3141   -4.5579    0.61324  -3.1327    1.1411
  3.4699    2.3609    3.7382   -1.3785   -1.045     2.5734    1.0242
  2.2299   -1.9927    0.2071   -0.4326    0.39888  -5.8014   -1.194
  4.6042   -1.8588    2.8178   -1.2509    0.69785  -2.5262   -1.5578
 -2.7283   -0.88513  -0.78108   0.40796  -4.4745   -1.3818   -2.7055
 -0.47263  -0.013783  0.83431  -3.6181    5.3828    2.1891    1.9932
  3.465    -0.31578   1.941     0.66269  -2.6747    1.2514    1.2011
 -1.6778    0.34411   1.5925   -1.3052   -2.5925   -1.3241    0.069907
  2.633     0.47654  -3.2051    1.7459    1.1965    2.9581   -1.4809
 -1.0347    1.1839   -1.1904   -0.51155  -0.19594  -1.0347   -0.46033
  1.2431    1.1075   -1.0423   -2.6796    1.0923    2.2281   -2.2882
  2.8521   -2.7141   -0.97281  -1.0204    0.024547  0.18213  -1.6039
 -3.0024   -2.624    -0.29509  -2.6987   -1.3773   -0.82659   0.39538
  2.8699   -4.6415    0.20159  -1.8502   -0.54371   3.7384    0.30425
  0.22136  -0.1896   -5.1396   -2.3517    1.1286   -1.8838    3.0707
 -0.95209   0.17416  -2.1506    0.97598  -2.6157   -1.9763   -0.38839
  1.7011   -0.32698   0.4204   -3.5882   -1.4711    1.3313    3.3377
  4.9368   -3.4474    0.32362  -1.2705   -0.20883  -1.6167   -0.68071
 -4.8835   -0.23396  -0.48943  -2.0612   -3.4965    0.48654 ]
capabilities [ 2.1730e+00  2.0408e+00 -2.6256e+00  2.3428e+00  4.0259e+00  1.4443e+00
 -1.1730e+00  5.3433e+00 -3.5675e+00 -1.3195e+00  6.5795e+00  2.6434e+00
 -5.5919e+00  3.2852e+00  2.6335e-01  3.1051e+00  3.8433e+00  2.2476e+00
 -3.9535e+00  1.8605e-01  4.2006e+00  2.1495e+00 -3.7851e+00  1.1903e+00
  1.3325e+00 -1.8645e+00 -1.0536e+00 -3.3206e+00 -1.4340e+00  4.5873e-01
  2.0529e+00 -7.4423e-01  4.2749e-03  1.1913e-01  4.7288e-01  1.9732e-01
  2.1209e+00 -2.9574e-02  3.8815e+00  8.4110e-01  1.5507e+00  3.4515e-01
 -7.3110e-01 -7.6554e-01 -3.6980e+00  3.6784e+00  2.1399e+00 -2.6705e+00
  1.8920e-01 -3.0135e+00  1.2269e+00  2.1928e+00  1.5192e+00 -4.4271e+00
  1.8062e+00 -8.7198e-02 -3.5604e+00  4.5394e+00  1.6351e+00 -5.4279e+00
  2.8108e+00  3.6319e+00 -4.2186e+00 -2.1525e+00  3.3507e+00  3.5659e+00
 -2.7183e+00 -4.9574e+00 -2.8484e-01  1.1427e+00 -2.3624e+00  2.8560e+00
 -8.0727e-01  2.3978e+00 -8.9343e-01  2.2556e+00 -2.2002e+00  1.8142e+00
 -3.5496e+00 -2.5719e+00 -4.2367e+00 -2.6379e+00  6.4442e-01  3.0959e+00
 -2.0597e+00 -1.0627e+00 -3.7592e+00 -4.9074e+00  2.1388e+00  1.9832e+00
 -4.4575e-01  2.0875e+00  2.0638e+00 -2.2002e+00 -1.9368e+00 -3.2345e-01
 -4.1289e-01 -2.5974e+00 -8.1548e-01  2.6075e+00  2.1292e+00  1.2970e+00
  2.0066e+00  2.4204e+00  1.2375e+00  5.1540e+00 -6.2923e-01 -2.5920e+00
 -2.0151e+00 -1.8048e+00  4.3700e+00 -5.6871e-01 -4.1454e+00 -3.3054e-02
  7.9421e-01  1.6152e+00 -7.9000e-02 -4.8922e-01 -3.4205e-01 -2.3046e+00
 -3.5376e+00 -2.5035e+00 -1.5367e+00  4.0804e-01 -4.3303e-01 -3.2287e+00
  4.7319e-03 -5.1252e+00  3.6932e+00 -2.0502e+00 -4.1842e+00  1.4724e-01
  5.6304e+00  1.8539e+00  4.1048e-01 -1.4031e+00 -2.9403e+00  6.0559e-01
  1.7786e+00  1.2877e+00  4.3591e-01 -2.8429e+00 -6.9151e-01 -7.5189e-01
  2.4439e+00 -1.8452e-01 -4.1360e+00  5.9813e-01  1.8282e+00  3.1176e+00
  6.4434e-01  2.9485e+00  7.1828e-01  9.4700e-01  4.1409e-01  2.2535e+00
  4.2449e+00  1.2036e+00 -7.7075e-01 -2.1384e+00 -2.5176e+00  2.0463e-02
  1.2950e+00  2.2172e+00 -1.6960e+00 -2.3793e+00 -3.5627e+00  3.1160e-01
  2.5230e+00 -2.1713e+00 -3.5004e+00 -2.8479e+00 -4.3179e-01  3.8955e-01
  5.1317e+00  1.4083e+00  1.9447e+00 -5.6799e-01 -1.7029e+00 -1.7097e+00
 -8.2942e-01  2.9253e+00  6.8863e-01 -4.2990e+00 -1.0924e+00  1.2333e+00
 -3.2994e+00 -2.7410e-01  9.2423e-01  9.2354e-02  1.4493e+00 -8.7192e-01
  3.0447e+00 -1.8832e+00  2.5083e+00  5.2704e-01 -2.2850e+00 -2.6092e-01
  1.2187e+00 -9.4024e-01 -2.4262e+00 -1.3215e+00  6.2497e-02  2.3776e-01
  4.1055e+00  7.8222e-01 -4.4253e+00  2.3791e+00 -9.3196e-01 -2.1663e+00
  2.1296e-01 -1.4390e+00 -1.7022e+00  1.7131e+00  9.3454e-01  3.3210e+00
  5.2353e+00 -7.6747e+00 -1.0723e+00  8.1590e-01 -3.1938e-01  2.7685e+00
  5.6692e-01 -8.6164e-01  9.7307e-01 -8.0923e-01 -8.0280e-01 -8.8441e-01
  1.0163e+00 -3.6665e+00  3.6425e+00 -2.5176e+00 -3.2026e+00  2.7031e-01
  4.5215e+00  7.1465e-01  8.4720e-01 -1.9936e+00  2.6194e+00  2.4632e+00
 -1.9174e+00 -2.2062e+00 -5.8822e-01  8.8096e-02 -4.6643e-01  8.1908e-01
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 -2.0824e+00  2.9037e+00  7.4862e-01 -5.4118e-01  1.1012e+00 -7.2822e-01
 -3.4379e+00 -3.9517e+00 -3.7866e-01 -3.0721e+00  9.6379e-01 -1.3485e+00
 -7.3626e-01  1.4221e+00 -2.1509e+00  7.3042e+00  5.5352e+00  1.6472e+00
  7.3679e-01 -1.8564e+00 -5.4404e-02  2.5159e+00  1.1425e+00 -7.0373e-01
  1.9215e+00  2.0917e+00  2.5034e-01  8.5657e-01 -5.0742e-01 -3.7935e+00
  2.8932e+00 -5.1239e+00 -5.3063e-01 -1.3121e-01  5.0126e+00 -5.2415e-01
  3.8543e+00  3.6166e-01  3.3795e+00 -1.9578e-01  5.9555e-01  2.0067e+00
 -2.8008e+00  1.7973e+00  1.4738e-01  1.2074e+00 -1.5998e+00  1.0809e+00
 -2.3810e-01  7.8706e-01 -2.2451e-01 -1.3250e+00 -1.6841e+00  5.6533e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
its [-2.1506e+00  4.8450e+00  1.3031e+00  2.0050e+00  1.7474e+01 -8.6141e-01
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 -3.7502e+00  9.0333e+00  2.6563e+00 -3.9911e+00  1.4102e+01  7.5572e-01
 -9.1241e+00  2.2180e+00 -7.8461e+00  4.8496e+00  3.2192e-01  4.2564e+00
 -9.7530e-01 -4.6425e+00  7.0868e+00  4.5892e+00 -4.6609e+00  6.7740e+00
  3.7401e-02  5.2231e-01 -8.4031e+00 -2.2737e+00 -7.7859e+00  5.4342e+00
 -4.2768e+00  2.3653e+00  6.1434e-01 -5.6478e+00 -1.0821e+01 -2.1987e-01
 -1.6729e+00  1.1919e+01  1.3473e+00  7.5988e+00  1.5990e+00  7.0944e+00
 -5.4298e+00  2.4668e+00 -2.7841e+00  4.3189e-01  5.9658e-03  2.5320e+00
 -2.5474e+00  1.7128e+00 -4.0431e+00  9.7081e+00 -4.4111e+00 -6.6002e+00
  1.7189e+00 -9.6258e+00  3.7200e+00  1.6644e+00 -2.2947e+00 -1.5925e+00
  7.8132e+00 -3.6311e+00 -1.3564e+00 -5.4127e+00  3.8274e+00  2.3316e-01
 -2.2993e+00  1.0841e+00  4.2491e+00 -1.3932e-01 -7.2716e+00  2.0741e+00
 -3.6810e+00  4.6939e+00  2.9820e+00 -2.5563e+00  4.9618e-01  6.7171e-01
 -7.7771e+00 -1.8945e+00 -1.0739e+01  1.0398e+01  2.7457e+00 -4.2419e-01
  4.8847e+00  7.5879e+00  1.1451e+00 -2.6786e+00  6.4297e-01  6.4651e+00
  1.9865e+00  1.7008e+00  7.7138e+00 -5.6235e+00  4.3614e+00 -8.2096e-01
  3.4227e+00  1.8695e+00 -8.6793e-01  6.4199e+00  3.8961e+00 -2.9197e-01
  5.5033e+00  1.5140e+00  2.0695e+00  7.4924e+00  2.9180e+00 -8.8631e+00
 -6.2522e+00 -5.1607e+00 -1.9345e+00  7.9326e+00 -5.2540e+00  3.6152e+00
  4.6128e+00 -2.6816e-01  7.0261e+00  1.5827e+00 -5.1296e+00  4.7093e+00
  9.7987e+00 -7.3950e+00 -1.5656e+00 -2.7430e+00 -6.1193e+00 -4.1210e+00
  8.3708e-01 -3.5631e+00  3.6249e+00 -3.0172e+00 -9.5027e-01  2.5321e-01
  7.2830e+00  3.6374e+00 -1.8213e-01 -3.1669e+00 -9.5211e-01 -4.8979e+00
 -5.7130e+00 -8.7642e-01 -2.4358e+00 -1.1972e-01  5.6330e+00  3.3409e+00
  1.1757e+01  1.7961e+00 -8.9306e+00  2.6364e+00  7.4777e+00  6.5535e+00
 -2.5172e+00  4.1051e+00  3.0311e+00 -3.8196e+00  4.6677e+00  8.6876e+00
 -2.1318e+00  2.1447e-01  2.8666e+00  8.6051e+00 -1.2571e-01 -8.5429e+00
  3.4934e+00  1.9868e+00 -1.3868e+00 -6.4770e+00  1.9380e+00  4.3741e-01
  3.8416e+00 -5.0080e+00 -1.8717e+00 -1.2188e+01  1.5127e+00 -2.6987e+00
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  2.7950e+00 -1.0040e+01  6.7207e+00 -9.9969e-01 -5.9388e+00 -1.3686e+00
 -1.1308e-01 -2.6332e+00 -4.1505e-01 -7.6976e+00  9.2423e-01  3.0690e+00
  4.8433e+00  2.2082e+00 -1.2414e+01  7.2711e+00  1.0499e+01  1.6578e+00
  4.8964e+00  9.7731e-01 -8.0813e+00  3.2936e+00  6.5225e+00  1.8550e+00
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 -1.1949e+01 -3.8835e-01 -3.6128e+00  1.7086e+00 -3.3801e+00 -4.6902e+00
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  4.3705e+00  8.7189e+00  8.2625e+00  1.3623e+00  4.4582e+00 -2.7282e-01
  9.5893e+00  6.1333e+00  2.8078e-01  3.9273e+00 -4.3081e+00  3.8011e+00
  3.3143e+00  6.8508e+00  5.1830e+00 -8.8816e+00 -1.1229e+01  3.6390e+00]
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-5.4490e+00 -5.4076e+00 -3.2705e+00 -4.0803e+00 -1.3472e+01  8.1170e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
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  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
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   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
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   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
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   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
officials [ 0.060564  2.0497   -3.6695    2.9276    5.3819   -0.59062  -5.6202
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 -1.5483    3.2623   -4.3706   -1.2189    0.36767  -5.2913   -2.965
  3.9887   -0.80842   3.1338    1.1308   -6.3064    0.8466    4.3265
 -0.78709   2.0956    2.0297    0.36071   0.42557   0.20933   1.4496
 -1.2605    3.5113   -1.2945   -3.5366    0.37073   2.6362    2.6784
 -0.90141   0.56422   0.27795   0.23674   0.49854   4.0753    1.0335
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  0.077597  1.0185   -7.1683   -0.70409   2.3444   -2.5225   -3.8855
 -1.5294    1.1371   -2.2253    3.5176    2.7618   -0.35312  -2.066
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  0.40771  -1.4481   -0.98447   0.40506  -7.6094    0.54076  -0.30853
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  1.1941    1.6733   -2.9695    4.3903   -3.4348   -1.0462   -5.9609
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 -1.6132    0.50367   1.4133   -1.1104    1.1009    3.598    -0.50264
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  0.71863  -1.1621   -2.0013    0.78669   1.8839    0.28301   5.1604
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  1.34     -0.4779   -2.6689    1.3571    4.1461   -1.5924   -0.7913
  5.732    -0.41708  -2.7059   -2.2716    4.3665   -0.69896  -5.8889
 -9.8762    0.18872  -0.056906 -3.0441    3.8873   -4.034     0.8548
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  1.4558    5.3277   -5.2625   -1.3823   -6.8302    2.9476    1.3522
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  0.18767   1.1631    2.5918    3.8393    2.0533   -3.646    -0.42602
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  -0.15608    7.7697     3.5203     1.3461     8.1344    -5.0012
   5.2714    -6.0275     3.2455    -0.56927    3.7955    -0.74849
   4.7654     0.21547    0.078135   1.8643     4.6551     0.27815
  -2.6796     0.58786    0.68804   -1.3662     6.5782     0.1767
  -4.809     -1.3664     1.9771     0.16628   -1.4367     1.4437
  -5.1822    -2.9188    -3.8237    -5.2225     0.20789    5.0164
   2.4247    -0.53282   -4.0232   -10.109      1.4128    -0.82889
  -3.5668    -1.8413    -3.364     -0.99626    4.5522    -1.2529
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   6.0478    -7.7898     0.16097    3.0218    -1.0696    -4.9188
   1.8531     6.2672    -5.1217    -7.2558   -11.086     -1.1793
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  -3.6928    -7.7508    -1.3639     3.6012    -2.4771    -0.55626
   8.2615     1.2859    -1.4237    -3.7295    -2.5698    -0.96861
  -8.6372    -4.9457    -3.5017     2.7698     2.4424    -1.5171
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  -0.62317    1.5289     3.8113    -3.5046     0.013797   5.2891
  -4.8427     0.49014    3.2589     4.0782     5.4443    -8.6187
   4.6487    -1.5055     2.1056    -1.1983    -3.9361    -0.87771
   1.3105     7.225      5.382      6.9255     3.611     -2.8444
   6.7163    -1.0992     3.8233     1.518      1.4586     0.11543
   1.8949     2.159     -6.9587    -6.5529     4.2242    -3.6767
  -2.1348     6.1599     1.4292     0.15517    1.6795    -6.2256
  -0.44218    2.6016     0.033856   0.87542   -6.5409     4.9558
  -0.028809  -2.7874    -0.50073   -1.845      1.4872     2.5321
   3.6293     6.5411     3.2586     0.42237    1.4016    -2.8109
  -5.2084    -2.7512    -3.6062     4.0768    -4.462      0.89436
   0.15113   -2.8989     3.9812    -3.6619    -2.6481    -5.4197
  -2.753     -4.4707     2.2379     1.1731     1.8198     0.099536
   1.7237     2.7738     3.2043    -4.9352    -5.1319     4.1869
  -1.1909    -1.7825    -4.5866    -1.1516    -0.62557   -1.7176
   0.31701    0.035141   7.0499   -10.997     -2.2294    -3.318
   0.13928   -1.2849    -2.1121    -2.5563    -3.4184    -0.024208
   4.8414    -4.6892     1.9502     2.3926    -3.4849     1.0265
   1.0523     7.9153    -0.55593   -2.2372     0.4934    -0.15246
   4.9987    -5.5787     1.0173     2.4718     2.0187    -0.87453
  -2.5375    -6.4779     5.7426     1.0854     7.9669     1.7795
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  -5.3443    -1.678     -0.71452    6.45       2.9919     1.1298  ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
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  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
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  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
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  -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
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  6.5564     6.733     -3.124    -17.44     -12.351      1.5846
  0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
 -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
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  4.7697     3.7224    -0.23423    3.124     -6.1329    11.586
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 -1.5387    3.9257   -3.6544    1.7011   -4.2397    0.2552    0.87
  2.8351    0.3574    0.36878  -0.81083   1.4225   -1.2268    1.7317
  2.4364   -0.63522  -1.2853    3.5517   -0.53594  -3.2546    3.6499
 -3.032     1.9974   -1.3522   -2.8257    0.3907    2.4974  ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
Task [-2.8809    0.47154  -0.86529   8.687    -2.5314   -3.1846    2.9817
 -1.5167   -0.67108  -0.63037  -1.0651   -2.8971   -0.66967   2.1643
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  1.714     4.9895   -0.44287   1.3351   -2.4904    2.9809   -8.6428
 -1.708     3.3311    1.4651    0.60318  -5.8737   -0.4938    1.9738
 -2.2024   -1.6593   -3.7517    0.67351   4.8621    3.9446    0.3816
 -9.0064   -0.25408  -8.8644    4.2706   -1.8228    1.2171    1.8032
 -2.7085    0.13312  -4.8399   -0.69585  -2.4483   -0.16661   3.6263
 -3.6571   -0.15862  -3.6357    4.5321    1.3239   -2.9727    5.6857
 -6.2636    2.9532   -2.775    -7.1849   -0.28552   3.7619   -8.0804
  6.637    -0.63012   3.7897   -6.5531   -4.3181   -0.20207   1.3502
  4.4031    2.5543    4.2532    0.35754  -1.1673    4.2991    7.0945
 -1.2092   -7.4376    3.5553   -6.8895   -0.75572  -0.52098   6.9024
 -0.26234  -2.8543   -1.4322   -3.3967    1.7128   -0.75201   6.2212
  0.45422  -3.2186    9.1137    4.3843    5.3372   -1.9132   -0.36748
  2.7725    3.2969    3.4979   -1.4889    2.9406   -0.97723  -6.4492
  2.7261    1.6193    1.54      5.6891   -3.8631    5.6451   -0.85267
 -3.8418    1.2362   -0.86782   2.7334   -6.114     0.86431  -3.463
 -1.9658   -2.8495    3.4235    7.9356   -6.4792   -3.7869   -3.2497
  7.0675   -6.8287    6.7749   -1.4664   -8.9466    1.7372    3.5444
  2.2218    3.1723   -6.2548    3.363     0.19629   0.24264   3.42
  3.9501   -5.4743   -4.4413    3.4281    0.72225   1.4434   -3.2515
  0.91471  -1.0882   -0.019328 -0.4846   -1.9228   -6.1349   -3.9113
  0.88333   2.6947    7.6035   -0.17883  -1.6664   -1.8061    3.6172
 -5.654    -3.7786    7.6298    3.1862    0.63991  -0.73284  -3.8238
  3.8526   -6.6095    3.4579   -1.3173    3.0421    2.6801   -8.8991
  1.1402    2.5861    4.9596   -0.98521   6.8804    4.9003    3.4362
 -2.1585    5.7803    0.20774  11.248     2.1453    2.4899   -4.6796
 -5.8819    3.024    -1.3287    0.10502   1.3344    0.50189   1.6997
 -3.0121   -3.3949   -2.0716    4.5587   -6.0169    2.0422   -0.95084
  1.7117    3.9985    3.0063   -3.1128   -0.70361   0.82918  -1.5007
  1.587     0.071749 -4.1478   -1.3348   -3.439    -2.9974    1.8689
  0.77036   4.2399   -3.005    -1.0812    3.5009   -2.4108   -6.95
 -3.6594    2.5332    2.942    -8.3515   -6.412     0.9606    6.2162
  0.63972  -1.6725    0.10059  -0.15436  -4.2363   -6.6652   -0.34735
 -0.46821   5.9771    1.0425   -3.0384    4.6921    1.0189   -0.17106
  3.15     -1.4296    0.85628  -1.9808   -1.9983    3.5735   -4.082
  2.6775   -2.6254    3.7841   -2.1475    0.99907   3.6196   -2.0945
 -0.50169  -1.2562   -4.0322    3.2839    2.3295   -0.16902   1.0581
  0.40513   1.8126   -0.12483  -3.4886   -4.9484   -0.4154    1.655
 -5.8434    3.4154    0.76469  -6.6908    3.3788    4.5063    3.232
  6.1367   -2.386    -1.0131   -2.0777    0.73929  -4.5016   -3.3389
  0.62753   2.4436   -3.5977    0.21338   6.7265   -1.6762   -0.13559
 -0.50392  10.844    -2.7785   -5.7346    1.9624    5.9754  ]
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 -2.6914e+00 -4.2037e+00  8.1279e+00  3.9603e+00 -1.7334e+00 -1.9083e+00
  1.1575e+00  1.6370e+00  2.6105e-01  5.2649e+00 -6.6297e-01  3.8421e+00
 -3.5770e+00 -7.8258e-01  1.9411e-01 -5.0350e-01 -3.6976e+00  1.4770e+00
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  9.1301e+00  2.4002e+00 -1.2479e+00 -4.1220e+00 -1.6023e+00  3.3444e+00
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 -3.2762e+00  4.1970e+00  9.7565e-01 -3.3590e+00 -5.0459e+00  6.7548e+00]
Lima [ 1.1477    1.0402   -0.84697   1.7925    3.598     1.9846   -0.29948
 -3.6691    0.63227   2.2477   -2.593     2.6181    1.0622    1.4522
 -5.3791    2.2082   -4.6471   -0.50862  -0.61093  -5.8504    0.3327
 -1.452     3.5273    2.6059   -3.0485   -0.46643  -3.6464   -3.9431
 -1.9587   -1.6694   -0.13185   2.5109   -1.1644    0.61091  -2.1542
 -4.4843   -2.7007   -3.1326   -2.1436   -1.6827   -2.1192    0.23701
  1.0317    2.1301    1.4801   -1.6703   -3.5373    5.1488    1.6944
 -0.82871   1.3396   -0.61311  -0.2166    1.9542    1.9075    0.31036
  1.0225   -3.6844   -2.4057    0.14734  -1.6388   -0.17178   3.3749
 -0.41104   3.008     1.4388   -0.1014   -1.3104    0.073149  2.4714
 -1.3633   -4.2447    1.3584    0.15912   1.7873    0.15468   1.585
  4.548    -0.62666  -0.16512  -1.1649    0.62303  -0.99283  -0.60834
 -0.19979  -3.2107    0.1529   -1.3261   -4.9986   -4.2618    2.825
  0.44113   3.436     1.6313   -3.5719   -1.0909   -0.23961   1.5232
 -0.10329  -1.3125   -0.22902   1.2371   -2.4552    5.4205    1.4447
  0.19187  -4.3745   -3.8994    1.0742   -1.0408    2.436    -2.9431
  0.061242 -1.1971   -3.033    -2.7721    0.75656  -0.96262   0.44754
 -1.451     1.6082    2.1915    0.67064   2.4902    1.7802   -0.14684
  1.0235    1.2218    2.8309   -2.8062   -1.5399    0.21424  -0.094733
 -0.74605  -0.38397   0.83743   0.97697  -0.67796   1.5137   -1.7575
 -0.91725  -0.6449    0.84226   4.0303    1.7266   -0.43735  -1.5398
 -4.6541    3.5546    1.2312    4.8264   -6.0825   -0.41345   0.21398
  0.99376  -0.49211   1.7481   -3.4578    0.60888  -2.7047    4.2352
 -5.4872    1.5513    1.5905    1.5007    1.9468    1.1701   -1.9188
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 -0.059733  1.2577   -4.554    -0.37027  -1.0445   -2.4014    1.6256
  1.3485   -0.051783  0.85571   3.6751   -1.1624    1.3207    1.6931
 -2.473     1.0475   -3.9823    1.9273    0.096576  2.9939    0.59426
 -1.1269   -0.72786  -2.7406   -1.474    -0.071435 -0.38638   1.0059
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 -1.613     1.1926   -2.9621    0.12208  -3.5185   -1.1043   -2.1012
 -1.3041    0.26705   0.73836   1.8443    4.0269    0.19054  -4.3901
  1.2115    1.1808    2.1938    1.0586   -1.0091   -3.2707    5.8369
 -1.0866    0.11      0.78284  -2.5961   -4.5442    1.2239    2.2777
  4.8442   -1.9242   -1.1603   -0.65396  -1.2127   -4.0867    4.3447
 -5.1791   -0.8645   -1.5728    1.3298    0.11773   0.55239  -2.1261
  5.0418    3.8761   -1.4943    1.775     1.1738   -1.306    -2.5594
 -3.4543   -1.7616   -0.95188   2.3337    0.12263   2.222     5.0368
 -1.7974    2.272     1.0449   -1.2524    2.0043   -3.3958   -3.8044
  4.2478   -0.5086   -2.2256   -2.7226   -0.78833  -0.022199  1.4284
 -2.8879    0.94057   2.7109    0.27079  -2.9614   -0.48012   2.0567
 -0.47047   3.1007   -0.94233  -2.3545   -0.12188  -3.691     0.59171
 -2.1783    1.3089   -2.446     0.77626  -2.221    -0.65827   4.4978
 -0.74999  -2.0397    3.9914   -2.8723    0.37645  -2.6953  ]
underlines [-5.1470e-01  1.4377e-01  1.1173e-02  5.1762e-01  4.0822e+00  1.8705e-01
 -1.6765e-01  3.0182e+00 -4.7300e+00 -1.4514e+00  4.7984e+00  2.2829e+00
 -2.5312e+00  9.2617e-01 -3.9267e-01  5.3228e+00  1.9875e+00 -5.6020e-02
 -9.5133e-01  1.7340e+00  2.5579e-01 -1.6744e+00 -3.2649e+00  3.0330e-01
  1.5296e+00 -9.0916e-01 -9.9919e-01  2.3763e-01 -5.2340e-01  2.0598e+00
  4.0630e+00  1.5185e+00 -4.5255e-01 -1.2357e+00 -4.2987e+00 -1.4559e+00
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  2.1645e+00 -1.6993e-02 -1.3611e+00 -7.2378e-01  3.3968e+00  2.7910e+00
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  2.1476e+00  1.1719e+00 -2.5542e+00 -3.8777e+00  3.9661e+00 -9.3285e-01
  7.0700e-01  9.9613e-01  1.5231e+00 -4.8570e+00 -8.2363e-01 -9.2521e-01
  1.5334e+00 -1.8970e+00 -1.1634e-01  7.5210e-01  2.5615e+00 -1.8014e-01
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  1.7165e+00  1.3986e+00 -2.3089e+00  1.2401e+00 -2.3271e+00 -1.7598e-02
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  1.3300e+00  1.5485e+00  1.8139e+00 -2.8364e+00  1.4050e+00 -1.7825e+00
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  9.0533e-01 -1.1752e+00  1.4528e+00  6.4884e-01  1.1778e+00  9.3574e-01
  2.5183e-01 -9.5012e-01  1.4019e+00  1.1520e+00  1.7961e+00 -2.9321e+00
  1.5854e+00  7.5488e-01  2.0512e-01 -1.4509e+00 -2.5378e+00  4.4946e-01]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
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  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
Department [-2.5882   -2.2515    1.8063    3.6444   -0.59541   2.6207   -0.43819
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  1.72      1.1991   -2.4351    0.6925    0.38558   1.6444   -1.3577
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-0.61955   4.583     1.1375   -0.056295 -0.67291   3.0079    2.2103
 0.36406  -2.0596   -0.81347  -0.56029  -0.91118  -1.6667   -3.2064
 2.8127    0.83778  -1.9217   -0.81965   3.8027   -5.9298   -1.7365
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-2.9101    1.7779   -0.66338   5.0649   -3.4219   -2.3848   -4.8449
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 3.2829   -0.24311  -0.095182  4.6128   -2.6749    2.2547    2.7314
-1.0075    0.88788  -3.2436    2.0988   -0.14411   2.9443   -3.1126
 2.3457   -0.70368  -0.28513   1.6092   -0.062135 -4.2902   -0.43282
-5.512    -0.83688   1.2076   -2.8181   -4.1993   -2.5061   -0.90401
-4.9207    0.66942   2.9672   -3.032    -4.8941   -3.1704   -0.97002
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 1.2289    7.3754   -4.7156   -0.2803    2.4325   -0.072948 -1.4768
-0.46676   1.4654    0.5336    2.8733   -1.2685    0.38531   5.2016
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-2.1389   -1.2639    5.9432    0.087921  3.1804   -1.7046   -4.3985
-1.8131    4.6267   -2.3654    0.063587 -4.5961    6.0606    3.4117
-1.5442    4.2896   -3.012    -3.0903   -3.0826   -0.57955   1.8394
 4.2712    1.1031    1.0011   -4.4231    2.8523   -2.5872    3.605
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-2.5775    0.40776  -0.56349  -4.7799    1.8617    3.567   ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
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  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
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   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
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   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
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   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
 -1.8384e+00 -2.1125e+00 -1.1642e+00 -5.5051e+00  1.9908e+00  2.1857e-01
 -1.6553e+00 -3.9243e+00 -1.6701e+00  2.2704e+00  3.4686e+00  1.2124e+00
 -3.0561e+00  6.3723e-01 -6.8558e-01  2.4041e+00 -1.1305e+00 -1.3629e-01
  6.9323e+00 -1.3655e+00 -1.0971e+00 -1.3656e-01  9.9233e-01  1.5646e-01
  2.0945e+00 -5.2343e-01  4.3787e+00  1.4959e+00 -3.2598e+00 -2.6085e+00
  1.9777e+00  4.4006e-01 -1.5258e+00 -9.1651e-01  2.7819e-01 -2.8672e+00
 -1.9234e+00 -8.2845e-01 -2.6049e+00  8.6444e-02 -5.5793e-01 -2.4664e+00
  2.0079e+00 -2.1487e+00 -2.5767e+00 -1.6131e+00  5.7711e+00 -2.4625e+00
 -1.2455e+00 -1.5580e+00 -2.3148e+00  2.2156e+00 -1.0421e-01  1.1694e+00
 -5.3561e-02  2.9689e-01 -2.2064e+00 -4.6041e-01  5.1525e-01  3.3595e-01
 -1.8510e+00 -4.3012e-01 -9.2878e-01  1.3933e+00  5.3063e-01  9.1558e-01
  1.9479e+00  2.6077e+00  6.2555e-01  2.2752e+00  2.1260e-01  2.7703e+00
 -3.7481e+00  1.3103e+00 -1.4233e+00 -6.4541e+00 -8.6162e+00  5.8673e+00
 -1.5601e+00 -6.8860e-01 -2.4346e+00  5.4334e-01  1.1415e+00 -2.5969e+00
  2.1159e+00  2.2011e+00  2.2243e+00  1.9312e+00  7.8822e+00  1.5265e+00
 -1.8524e+00 -1.3204e+00  2.4935e+00  1.8012e+00 -1.5038e+00  3.1126e-01
  4.4815e-01  4.3389e+00 -4.0426e+00  2.0551e+00  4.2549e+00 -1.5444e+00
  4.0603e+00 -3.9018e+00  4.0509e+00 -1.9058e+00 -3.0940e+00 -2.5366e-01
 -2.7478e+00  2.3604e+00 -3.6005e+00  2.3403e+00 -1.7738e+00 -1.1151e+00
  6.6999e-01 -5.3032e+00  2.0987e+00 -3.9442e+00  3.4534e+00 -1.5343e+00
  2.8643e+00 -4.0458e+00  3.0289e+00 -2.7970e+00 -9.3341e+00  5.3929e-01
 -1.1737e+00  1.3272e+00  2.3772e+00  1.0971e+00  1.0019e+00  1.0384e+00
 -1.3623e+00  3.0683e+00 -3.9125e-01 -7.7964e-01 -6.0628e+00 -1.5264e-01
  3.3141e+00  3.0189e+00 -4.3729e+00  2.0329e+00 -1.5586e+00 -3.8235e+00
  1.6758e+00 -1.9118e+00 -3.1380e+00  1.1845e+00 -1.5626e+00 -2.7584e-01
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  2.0803e+00  9.6690e-01 -7.9430e-01  1.5776e+00 -1.8645e+00 -2.5572e+00
  5.3933e+00  1.9729e+00 -7.8935e-01 -3.3208e+00  2.3262e+00  3.1355e-01
 -2.8014e+00  5.1058e+00  1.3737e+00  1.1774e+00 -1.6045e+00  2.9236e+00
 -4.6835e+00  4.9223e+00  7.0827e-01  4.1909e+00  2.1518e+00  2.5678e+00
 -1.4770e+00  4.2207e-01  7.3922e-01 -2.8959e+00  5.8038e+00 -2.1181e-01
 -1.1159e-01  1.9091e+00  6.0065e-01  1.0148e+00 -4.8491e+00  1.4819e+00
```

```
 -2.0432e+00 -2.8171e-01 -8.4493e-02  1.1377e+00  8.6292e-01 -1.2655e+00
  2.9554e+00 -8.4363e-01 -2.2089e+00  5.5662e-01 -1.3028e+00 -1.0751e+00
 -6.6610e-01 -3.3758e+00 -4.4857e+00  2.6784e+00 -8.0714e-01 -1.1349e+00
  4.0870e+00 -1.9958e+00  3.1097e+00  1.8230e+00  1.7513e+00  1.8322e+00
 -1.7098e+00  4.8192e-01 -5.0910e-01  3.9146e+00  1.2079e+00 -7.2953e-01
 -1.3764e+00 -1.6190e+00  2.0778e+00 -1.4009e+00 -3.9523e+00  2.6064e-01
  1.1611e+00 -1.8546e+00 -2.7324e-01  2.3591e+00 -7.6830e-02 -2.0106e+00
  9.7600e-01  6.0061e-01  7.1259e+00 -3.0445e-01 -2.6288e+00  4.4510e+00
 -1.5669e+00  8.8860e-01  2.4013e+00  9.8402e-01  6.9931e+00 -5.8445e+00
 -2.4085e+00 -8.0737e+00  5.2070e-01 -4.1230e-01 -2.6888e-01 -2.0873e+00
 -6.4251e-01 -9.2623e-01 -2.7888e+00  1.7587e+00  1.5806e+00  5.3068e+00
 -1.1958e+00 -2.5143e+00  1.5083e+00  3.8731e+00  8.6183e-01 -6.1826e-01
 -4.5791e+00  2.1940e+00  1.1049e+00  5.9837e-01  3.7414e-01  9.6633e-01
 -3.2857e+00 -6.4117e+00  1.5157e+00  2.7365e+00  1.7836e+00 -2.0693e+00
  5.9592e-01 -7.4922e-01 -1.1949e+00 -1.4580e+00  7.7084e-01  2.1702e+00
  2.4492e-01  1.0117e+00  3.2693e+00 -9.5010e-01  5.8508e-03  9.3704e-01
 -3.8259e+00  4.3888e+00  3.7159e+00 -4.0342e+00  3.1491e+00  9.5624e-01]
’s [ 9.4848e+00  8.2625e+00 -3.5644e+00 -8.9888e+00  1.0483e+01  5.4895e+00
  2.0390e+00  4.7667e+00  3.7344e+00 -7.3480e+00  1.3629e+01 -1.1159e+01
 -2.5754e+00 -1.2881e+01 -2.2745e+00  1.1863e+01  5.8389e+00  7.9351e+00
  4.8432e+00  7.5125e+00  9.0460e+00 -8.1409e+00  2.3367e+00 -4.5984e+00
 -2.0708e+00  1.5686e+00  1.3725e+00  1.9903e+00  2.8415e-01  2.3401e+00
  6.2713e-01  7.0234e+00 -2.6601e-01 -7.2316e+00 -4.0903e+00  5.1762e+00
  4.4655e+00  7.7591e+00  8.8481e-01 -3.7552e+00 -3.0055e+00  3.1307e+00
 -3.3323e+00 -7.2545e+00 -6.9819e+00  1.7125e+00  2.8844e+00 -1.1082e+01
 -8.2572e-01  4.6007e+00  4.9572e+00 -2.1446e+00  7.4503e+00  1.5698e+00
  8.9990e+00 -7.5275e+00  6.1418e+00 -5.0404e-01 -2.1362e+00 -6.2780e-01
  5.9603e+00  5.8575e-01  4.9616e+00 -3.3883e+00 -2.9484e+00  5.4621e+00
 -4.6444e-01 -7.7002e+00 -3.1099e+00 -7.2353e+00 -5.6120e-01  4.9702e+00
 -9.1141e+00  3.4272e+00  3.2694e+00 -4.9496e-01  8.9392e-01  7.6278e+00
 -2.8478e+00  4.1937e+00 -1.2561e+01  4.6271e+00  4.3155e+00  7.4137e-01
  2.1575e+00  8.5215e+00 -4.0895e+00 -1.0834e+01  1.7850e+00  5.1355e-01
  3.3054e-01 -8.8765e-01 -4.8699e+00 -1.3338e+01 -6.6969e+00 -7.4106e+00
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 -8.5219e+00  1.3971e+01  7.3725e+00  1.1260e+01  3.5450e+00 -2.3234e+00
 -1.4800e+00  2.2860e+00  1.0716e-01  9.0754e+00 -3.9851e+00  8.0310e+00
  2.3740e+00 -8.9436e+00  3.2171e+00 -1.6950e+00 -1.7257e+01  3.4038e+00
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 -6.4217e+00 -9.1740e-01  1.4896e+01 -1.0191e+01 -6.1449e+00 -7.3578e+00
 -1.9139e+00 -6.5001e+00 -8.8293e-01 -3.3783e+00  1.9219e+00  6.0439e-01
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 -3.1310e+00  3.2618e+00 -1.7474e+01  3.5475e+00 -1.2241e+00  5.4386e+00
  1.7057e-01  6.7612e+00  9.5822e+00 -2.8624e+00 -1.1496e+00  6.1758e+00
 -5.6255e+00 -2.6268e+00  2.1974e-01 -6.6199e-01  7.3988e+00 -4.4386e+00
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 -7.6024e+00 -2.9625e+00  7.1453e+00 -1.2597e+01  1.2665e+01 -3.7070e+00
 -8.9733e+00 -1.0741e+00  3.5980e+00  4.8004e+00  8.9264e+00 -6.5653e+00
  3.0042e-02  1.8962e+01  9.2006e+00  3.6703e+00 -3.6577e+00 -2.3716e+00
  1.8392e+00 -7.0507e+00  3.7873e+00  2.2030e+00 -5.5138e+00 -3.1109e+00
  4.4046e+00 -5.9221e+00 -3.5934e+00  1.5140e-01 -1.0499e+01  2.5494e+00
  5.5095e+00 -1.3015e+01 -2.6654e-01  3.1612e+00 -1.2833e+00 -6.1189e+00
  7.1695e+00  1.2274e+01 -1.6791e+01  7.0080e+00 -1.0991e+00  1.1282e+00
  1.1257e+01  6.4494e+00 -3.7408e-01 -2.1612e+00  1.8536e+00 -7.2711e-01
 -1.9883e+00 -4.7288e+00  1.5646e+00 -5.5883e+00 -6.4551e+00 -1.0142e+00
 -1.7333e+00 -5.7656e-02  2.9362e+00  1.4906e+01  3.0888e+00 -2.8334e+00
 -4.6165e+00 -7.3239e+00  2.6445e+00 -3.5237e+00 -3.3419e-01  5.7676e+00
 -8.5046e+00  3.7821e+00  3.6947e+00 -3.1246e+00  1.5920e+01  8.6957e+00
 -3.0167e-01  5.6158e+00  5.1499e-01  2.6928e+00  3.8271e+00  1.3956e+01
 -3.8546e+00 -7.7908e+00  2.9098e+00  6.6237e+00 -5.8282e+00 -1.3776e+00
  4.4274e+00 -8.8351e+00  9.9619e-01  4.1706e+00 -7.2287e-01  7.7379e+00
```

```
 -3.2694e+00  4.1122e+00 -6.3660e+00 -2.1741e-02  3.0695e+00  8.5741e+00
  3.4540e+00  1.2309e+01  2.5864e+00  6.8621e+00  3.9343e+00 -3.9516e+00
  4.5908e+00 -2.3486e+00  3.0991e-01 -1.2157e+00  9.3631e+00 -1.3904e+00
  1.4143e+00 -4.3494e+00  1.5112e+00  9.8156e-01 -7.1419e+00 -5.8279e-03
 -1.3070e+01 -4.7889e+00  9.4483e+00  9.0909e+00  1.0614e+01  1.4063e+00
  4.6168e+00  8.5980e-01 -5.9869e-01 -2.9369e+00 -8.0205e+00 -1.7005e+00
  1.2406e+00 -1.1358e+00 -1.0914e+01  5.9935e+00  1.7816e+00 -4.9542e+00]
unwavering [-4.0215e-01 -1.1348e+00 -3.9776e+00  9.0918e-01  9.4571e-01  2.3364e-01
  1.9522e+00  1.8264e+00 -4.2845e+00 -2.6909e+00  7.4041e+00  1.4840e+00
 -5.7263e+00  1.2716e+00  1.1825e+00  2.0123e+00  2.3909e+00  9.2529e-01
 -5.4382e+00 -1.4799e+00  2.8165e-01  1.6594e+00 -4.5593e+00 -1.6593e-01
  1.3909e+00 -2.1860e+00 -1.6866e+00  4.9266e-01 -2.7465e+00  6.9520e-01
  3.0392e+00 -7.7997e-01  4.8234e-01 -9.9257e-01 -9.9487e-01 -2.3497e-02
 -1.1558e-02 -6.5676e-02  2.1450e-01  6.8272e-01  2.0649e-01 -8.6618e-01
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  1.7656e+00 -9.7656e-01 -2.0873e+00 -1.2756e-01  2.4422e+00  4.4348e+00
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 -2.9632e+00  3.0933e+00 -3.4352e+00  1.0027e+00 -5.8490e+00  4.9081e+00
 -1.6636e+00 -1.4061e+00 -2.7594e+00  1.0702e+00 -9.5808e-01 -1.8313e+00
  4.6347e-02  1.9445e+00 -4.0995e+00 -3.4997e+00 -2.8163e-01 -8.0195e-01
  2.3862e+00 -3.8520e-01  2.7163e+00 -6.2205e+00 -1.1981e+00 -5.0708e-01
  1.1971e-01  1.3105e-01  9.7584e-01  1.7831e+00  5.8039e+00  1.0525e+00
  3.1079e+00  4.8439e+00 -4.2273e-01  3.3627e+00  1.0500e-01 -1.8748e+00
  3.5714e-01 -3.1575e+00  2.7754e+00 -2.1617e+00 -2.4581e+00  1.6068e+00
  1.7662e+00  3.5929e+00 -5.4232e+00 -1.4617e+00 -1.8638e+00 -1.1075e+00
 -5.7318e+00 -2.8200e+00  4.1129e-02  6.4400e-01 -1.0345e+00 -4.2377e+00
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  5.4165e+00  2.5515e+00 -2.2127e+00  3.6990e+00 -3.9303e+00  2.3673e+00
  1.7734e+00  1.4136e+00 -9.2290e-02 -2.3635e-01  1.4597e+00  2.7331e+00
  3.5445e+00 -2.2007e+00 -7.0211e+00  1.2723e+00 -9.2296e-02  2.2434e+00
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 -8.7452e-01 -1.5675e-01  2.1704e+00  3.3983e+00  1.1296e-01 -2.1523e-03
  2.3872e+00 -1.7302e+00  1.3383e+00 -8.9343e-01 -5.5515e+00  2.7761e-01
  2.4062e+00  5.1268e-02  3.2906e+00 -2.0484e+00 -2.3216e+00 -1.3091e+00
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  7.7225e-01  1.8277e+00  4.6945e-01  2.7544e+00 -1.7371e-01  4.8253e+00
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 -1.6168e+00  1.6485e+00 -2.1832e+00 -1.1746e+00 -3.4289e-01  2.9152e-01
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 -1.0610e+00 -1.2169e+00  1.0527e+00  3.6645e-01  1.9026e+00  2.5364e+00
 -4.3775e+00 -1.4091e-01  2.2492e-01  9.6670e-01 -1.1798e+00 -5.4211e-01
 -2.8189e+00 -3.1719e+00  3.1646e-01 -3.3141e+00  9.3374e-01 -7.9203e-01
 -2.5210e-01  3.4138e-02  4.3389e-01  4.7806e+00  6.3389e+00  4.1163e+00
  2.6033e+00 -2.0555e-02 -8.8700e-01  2.8715e+00  1.1075e+00  8.3803e-01
  1.9001e+00  3.2875e+00  2.4289e+00 -2.6596e+00 -2.3344e+00 -6.2944e-01
  3.8953e+00 -2.5304e+00 -5.4960e-01  1.2809e+00  1.9598e+00  7.3526e-01
  5.1380e+00  2.8521e-01  1.4329e+00 -1.6151e-01  2.5183e+00  1.8099e-02
 -2.1820e+00  5.9918e-02 -2.8589e-01  1.1128e+00 -1.6436e+00 -2.0025e+00
  6.9007e-01 -4.8481e-01  2.5837e+00 -1.3375e+00 -5.9540e+00  2.6354e+00]
commitment [ 1.4236    0.082904 -3.6685    1.0893    5.7474    0.65843   2.6351
  1.9193   -1.4134   -2.6026    6.2107    2.6496   -5.8275    0.48221
 -4.4847    2.3585    0.73961   1.5948   -5.9557    2.5629    1.8993
```

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  0.49846  -4.0012    3.0352    1.8214    0.15764  -1.678     1.3808
 -4.7452   -0.20518   3.771    -0.026251  2.306     0.088102  1.1137
  0.10602   1.0753   -0.20433  -0.78743  -0.46322   0.20423  -0.79917
 -1.6515    0.38932  -3.1141    1.4859    1.6043   -6.2248   -0.12219
  0.01781  -2.7571    3.5508   -0.60716  -4.4646    2.245    -0.18771
 -2.0275    0.089578 -0.1096   -2.1115    3.2527   -0.47029  -1.7575
 -1.3052    2.2464    1.9324   -2.2082   -5.846     2.4794    2.3615
  0.4645    1.0657   -1.7476    1.4416   -4.0441    1.5899   -1.5044
  4.8151   -2.0682   -2.5306   -2.5894   -0.40747   0.35581   0.31551
 -1.7029    4.4674   -5.3381   -4.3775    2.4446    0.69275   2.3835
 -0.61663   0.72752  -5.917     0.27605   0.12322  -2.737    -1.1265
  0.42639   0.084928  7.5065   -0.17955   3.3761    3.6436   -1.1341
  3.986     0.98147  -2.5113   -1.5595   -4.9119    3.1932   -1.0676
 -2.9862   -0.79858   2.4659    4.639    -4.0443   -3.8373    0.1088
 -0.96181  -3.7879   -3.8935    1.72      0.26813  -1.3848   -3.6255
  3.9607   -3.1008    4.9841   -6.4457   -5.5545   -2.5476    6.3134
 -1.4379   -0.53831   3.2546   -2.8804    2.3272   -0.54865   2.1439
  0.076981  0.92215   2.7751    1.6797   -0.20842   1.0227   -7.0897
  0.68152  -2.5445    4.7262   -1.053    -0.009427 -0.19597   1.3603
 -1.9075    3.6426    3.5382   -2.2775   -0.88418  -5.2882   -0.7316
 -1.8379    0.39408   1.9022    0.20369  -3.0176   -0.32007   1.0735
  0.75792  -4.1443   -2.134    -1.3674    0.42577  -3.8031    4.0791
  2.173     2.6071    0.43868  -0.98129  -0.48868  -3.0608    2.2315
  1.9467    1.8952   -2.1822    0.44167  -0.70863  -0.56302   2.5693
  5.3122    0.95842  -2.6184    2.2669   -1.6019    1.7581   -0.89741
 -3.4737   -0.48923  -1.4847    0.66678   0.48562  -2.2064   -1.1811
 -0.071921  3.6672   -1.0086   -2.6413    3.5322   -2.1668   -2.4165
  2.3396   -2.318    -1.0045    1.7489    0.53113   4.0019    1.5904
 -1.2552   -0.75995   0.030295 -2.8504    2.6656    1.1836    0.009141
 -1.8208   -2.7467   -0.72466   1.3644   -0.087588 -0.12189   4.3448
 -3.3892   -3.4375    0.85549   5.2219   -0.36473  -1.5759   -2.1825
  0.69169  -3.5634   -0.35989  -0.55405  -0.87421   1.5314    0.39502
  1.1561   -2.6054   -1.0773    2.6695    1.4389   -1.1778   -1.7842
 -0.77136  -3.2067    1.9533   -1.6355   -0.51758  -2.8343   -0.16413
  0.029254 -2.2166    3.46      6.6118    3.9644    5.1853    1.9192
 -0.85477   1.7199    0.32054  -0.092221 -0.97006   3.8598    3.919
 -2.1842    1.8196   -2.6517    1.932    -5.65     -2.435     1.2678
  4.6723    1.8519    0.90665  -0.89547   1.8568   -1.8827    4.9609
  2.3372   -3.3971   -1.3257    1.794     1.0376   -4.5063   -0.8588
 -1.6169    0.98567   2.1818   -3.1929   -2.2883    4.3762  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
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-12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
  4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
  2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
  6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
 10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
-13.363     12.089      0.15567   -8.773      0.63318    1.6568
 13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
 -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
  0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
  6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
  2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
-10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
 -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
 -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
  1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
  2.4237     1.6805     2.7494    10.424      0.99916   10.243
  0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
  3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
 -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
 14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
 -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
  1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
 -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
 -4.1231     4.8027    -6.24      17.979      8.1697    14.307
  4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
 -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
 -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
 -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
  0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
  4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
leading [ 3.1538e+00 -1.3145e+00  4.4098e-01 -7.4700e-01  7.1828e+00  7.8570e-01
  1.2221e+00  6.2900e+00  1.3792e+00 -4.3719e+00  5.9979e+00  3.1985e+00
 -6.1085e+00 -1.0135e+00  3.3119e+00  6.9906e+00  2.6053e+00  3.0038e+00
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  1.3482e+00  2.0951e+00 -1.4953e+00 -1.6155e+00 -3.3503e+00  3.9245e-03
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 -1.7441e-01 -1.6351e+00  1.4481e+00 -2.6740e+00  2.7019e+00 -9.7855e-01]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
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 3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
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 2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
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-1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
charge [-2.8429e+00 -4.1827e-01 -2.8741e+00 -9.5679e-01  3.6899e+00  2.2175e+00
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 -5.7810e+00  2.1525e+00 -1.9968e+00  2.8297e+00  7.5455e+00  5.5028e-01
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  4.6690e-01 -7.1097e-01 -2.5875e+00 -5.7246e+00  1.3384e+00  9.0105e-01
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  3.2869e+00  6.9314e-01  2.8255e+00  4.9270e+00 -2.1724e+00 -3.1888e+00
 -1.1099e+00  1.4673e+00 -1.4432e+00 -6.7506e-01  2.6893e+00 -2.1548e+00
  2.4488e+00 -1.2374e+00  4.3313e-01  5.8137e-02 -3.8675e+00 -4.0950e+00
 -3.6988e+00  1.1717e+00  1.2160e+00  5.8569e-03 -6.2062e-01 -1.1529e+00
 -1.6772e+00 -1.4978e+00 -3.3298e+00 -6.2714e+00  3.9035e+00  2.8571e-01
 -2.6747e+00 -3.1645e+00  2.8752e+00  6.1973e+00  2.0696e-01 -5.0231e-01
 -1.0015e-01 -9.4324e-01 -2.3296e+00 -1.6356e+00  3.5165e-01  2.5416e+00
  6.8225e-02 -5.5673e-01 -1.3537e+00 -2.4415e+00  1.1223e+00  5.6487e+00
  1.3883e-01  2.6548e-01 -4.4585e+00 -4.5860e+00  1.2796e+00  9.6133e-01
 -3.4013e+00  7.1031e-01  1.3385e+00 -2.6665e+00  2.7768e+00  5.3149e-01
 -1.7258e+00  1.9591e-01  8.7199e-01  3.6252e+00  1.3638e+00  5.5500e-01
  8.3613e-02  1.5640e+00 -3.4491e-01  2.9678e+00 -1.6427e+00 -4.3296e+00
  1.2175e+00 -3.7500e+00 -3.0706e-01 -1.3420e+00  1.2781e+00 -1.6980e+00
  7.1728e-01  4.8541e+00 -4.4482e+00  1.3865e+00  1.1622e+00  7.7192e-01
 -2.2752e+00 -4.6077e+00 -1.8197e+00  3.4258e+00  9.2495e-02 -3.4655e+00
  2.7009e+00 -8.4533e-01  5.6154e+00 -2.0279e+00 -5.0889e+00 -1.2959e+00
  1.5976e+00  3.0410e+00  7.3784e-01  5.9494e-01  2.0219e+00  1.5132e+00
  4.6189e+00 -9.7866e-01  7.8625e-02 -1.2745e+00  6.1865e-02 -1.9750e+00
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  3.3032e+00 -6.8152e-01 -4.9384e+00 -7.5306e-01 -1.5145e+00 -3.6537e+00
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  3.1741e-01  1.3152e-01  6.7439e-01  3.2486e+00  1.3581e+00  4.0785e+00
 -2.0593e+00  2.0906e+00  1.1970e+00  5.2631e+00  3.1875e+00 -3.3913e+00
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 -4.2065e+00  4.1713e+00  2.7832e+00  2.1110e-01 -1.9636e+00  3.0091e-01]
```

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 -1.1351e+01  7.2805e+00  5.0560e+00  1.3576e+00  8.7064e+00 -2.3739e+00
 -1.2883e+00  4.0938e+00 -4.4741e-01  1.7389e+01 -8.9762e-01  4.2695e+00
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  2.4448e+00 -4.4355e+00 -2.9596e-01  2.2084e+00 -6.9407e+00 -2.2075e+00
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 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
AI [ 6.1869e-01  1.2587e+01  1.6028e+01  4.7017e+00 -3.5819e+00  4.6631e+00
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  6.0842e+00  3.4822e+00 -5.0190e-01  6.3986e+00  2.6758e+00 -4.5317e+00
 -6.2873e-01 -2.8195e-01  4.2019e+00  1.1757e+00 -4.3286e+00  8.8895e-01
  3.4662e+00  1.5152e+00 -3.6002e+00 -2.7323e+00 -2.5219e+00 -2.7544e+00
```

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 -5.9367e+00 -4.7545e+00  4.5754e+00  5.5831e-01  1.1953e+00 -1.5696e+00
  9.9078e-01 -7.5775e+00  5.7535e+00 -6.8845e+00 -4.1884e+00 -5.6901e-01
  3.8722e+00  1.7772e+00 -3.4151e-01  1.1959e+00 -1.0173e+00 -1.4761e+00
  7.9178e-01  3.2023e+00 -3.3302e-01 -8.2618e-01 -1.6370e+00 -7.3348e-01
  3.1774e+00  7.3012e-01 -7.5091e+00  8.7696e-01 -5.1136e-01  6.7602e+00
  2.1825e+00  3.3163e+00  2.2967e+00  9.6917e-01 -2.8828e+00  2.3823e+00
  4.8520e+00  2.2052e+00 -1.3138e+00 -3.5686e+00  2.3658e-01 -7.5436e-01
  2.5311e+00  4.5615e+00 -2.9820e+00 -2.8809e+00 -8.6808e-01 -7.9179e-01
  1.7509e+00 -3.7072e+00 -3.4442e+00 -2.6380e+00  2.1978e+00  1.9108e+00
  1.7620e+00  3.6956e+00  1.0765e+00 -1.8478e+00 -3.3204e+00 -6.6159e-01
 -5.6300e+00  1.8217e+00  7.3942e-01 -2.0840e+00 -4.5265e+00  1.4193e+00
 -1.1699e+00 -1.2412e+00  3.4664e+00  4.1869e+00 -6.3146e-01 -4.8889e-01
  4.6167e+00 -2.5970e+00  4.6352e+00  1.5517e+00 -4.8385e+00 -1.3582e+00
  1.3236e+00 -1.5177e+00  4.0327e+00 -1.3088e+00 -4.0786e-01  1.2655e-01
  4.3024e+00 -6.4405e-02 -6.6797e+00  4.2809e+00 -1.9850e-01 -4.7650e+00
  3.0565e+00  2.8938e+00 -3.0316e+00  2.5755e+00  1.5941e-02  2.1738e+00
  1.9594e+00 -4.2916e+00 -1.1378e-02  5.7479e-01 -4.3332e+00  4.6513e+00
 -3.0642e+00 -9.1354e-01 -6.4968e-01 -2.3662e+00  4.3417e-01  2.8149e+00
  1.4071e+00 -9.9725e-01  7.6438e+00 -2.5121e+00 -3.6422e+00  3.4283e+00
  5.2733e+00 -3.0768e+00 -2.2178e+00 -3.1218e+00  4.4064e+00  2.0486e+00
 -2.8020e+00  2.7971e-01 -1.4908e+00  2.2526e-01 -2.1460e-01  1.4595e-01
 -2.0084e+00  2.8394e-01 -6.0595e-01 -1.5203e-01 -2.4463e+00  6.5018e-01
 -2.2200e+00 -2.1894e+00 -1.2025e+00 -3.0873e+00  1.4562e+00  1.0721e+00
 -4.2407e-01  3.0571e-01 -2.1697e+00  5.1326e+00  6.5326e+00  5.0945e+00
  3.7430e+00 -7.1061e-01 -3.5208e+00  2.8426e+00  3.9707e+00 -2.9371e-01
 -3.2020e-01 -1.0969e+00  3.0074e+00 -1.9482e+00  3.1327e+00 -5.6791e+00
  3.6182e+00 -5.9788e+00 -1.2155e-01 -6.9750e-01  3.9062e+00  1.3372e+00
  4.9216e-01 -1.9610e+00  6.9642e-01 -2.8753e-01  2.4603e+00  2.9162e+00
 -7.0128e-01  4.6642e-03  9.8313e-01 -4.5236e-01 -1.9426e+00  2.0532e-01
 -1.4941e+00 -1.7020e+00  9.2058e-01 -3.8070e+00 -2.6872e+00  4.1882e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
```

```
 -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
” [ 3.4795e+00  2.5236e+00  4.1156e+00 -8.6533e-01  1.7935e+00  1.0307e+01
  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
  5.6221e+00 -2.1393e+00  2.2315e+00 -9.0514e-01 -2.4562e+00  3.5317e+00
  9.1204e-02 -3.3242e-01  2.9498e+00  7.2433e+00  7.9996e+00 -7.1088e+00
 -9.5325e+00 -9.3627e-01  9.4870e+00 -6.4368e+00  1.2151e+00  1.5027e+00
  4.6071e+00 -8.4831e-01 -1.1600e+01 -1.0910e+00 -1.2449e+00 -6.3010e-01
  7.2863e+00 -1.2668e+01  5.1070e+00 -1.8290e-01  5.6010e+00 -1.0392e+01
 -4.4515e+00 -2.7056e+00 -7.4310e+00  3.1905e+00  4.6635e-01 -6.5661e+00
  6.1587e-01 -6.9348e+00 -3.1336e+00  1.2988e+00  3.0448e+00 -5.2704e+00
  3.2636e+00  5.2553e+00  4.4019e+00  3.5556e+00  1.7151e+00  5.5191e+00
  1.0651e+01  7.1255e+00  6.5455e+00 -7.4957e-01  2.6581e-01  3.8996e+00
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  4.7457e+00 -2.1938e-01  1.7529e+00 -4.7162e+00  2.5769e+00  6.2641e+00
 -9.6689e+00  8.0026e+00 -2.3921e+00 -9.6044e-01  6.6856e+00  5.5901e+00
  8.1997e-01  6.2485e+00  9.5520e+00 -3.0288e+00 -3.1226e+00 -4.7422e+00
  8.8199e+00 -4.2749e+00  1.3008e+00 -6.0224e+00 -1.2686e+01  6.8175e-01
  3.3945e+00  2.7172e+00 -6.7947e+00 -2.6182e+00 -1.9675e+00 -3.0406e+00
 -2.9354e+00  1.0294e+01  3.3965e+00  6.3775e+00  9.1588e+00 -5.9524e-01
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  1.0285e+01 -4.8146e+00  1.0027e+00 -2.6547e+00 -6.4866e+00 -3.9228e+00
 -8.4833e-01 -8.3610e+00  6.2480e+00  1.0459e+01  4.0744e+00 -8.4165e+00
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  1.0760e+01 -2.4695e+00  1.5761e+00 -2.1597e+00  3.0889e+00  1.1962e+00
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  4.1919e+00 -5.3299e+00  3.1098e+00  8.7561e+00 -8.0424e+00  1.0406e+00
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```

```
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 -7.9733e+00 -3.0602e+00 -9.9866e+00 -9.8142e-01  7.3688e-01 -3.0924e+00
 -5.0566e+00 -2.0011e+00  6.0797e-01  5.6577e-01  5.3224e+00 -9.1434e+00
  6.0967e+00  2.6622e+00 -5.7625e+00 -2.1923e+00 -3.2738e+00 -1.1584e+01
  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
Deputy [-1.7457   -1.68      1.0303    1.8013   -2.3469   -0.6274   -2.5334
 -4.7901    0.26829  -0.97602   2.5977    0.22973   2.5017    1.372
 -1.4554    0.33595  -1.0488    0.35921  -0.60435   2.3607   -0.20235
 -5.4588    0.18697  -1.3982    3.874     2.0673   -0.782     3.4261
  1.575     0.18234  -1.5896    0.047418  0.84281  -0.085542 -3.7028
 -1.2998   -3.4044   -0.3827   -4.4585   -2.8283   -3.0552   -3.8825
  2.6177    0.55192  -1.8673   -1.3246    0.90029  -0.43941  -0.96608
 -2.5227    0.60328  -2.7091    2.7487    1.123     2.7615    0.22361
  0.98357  -3.0387   -1.6654   -3.6506   -5.7714   -0.9971   -0.72842
 -1.1698    0.88694  -0.55182  -0.49654  -1.2357    3.4792    4.2981
  4.8617   -1.1025    3.3418   -1.5719    0.5411   -1.8199   -0.51056
  2.076     1.8172   -1.6845    1.4289   -2.5947   -3.6193   -0.35269
 -2.5861    0.82773  -1.8383    0.89482  -2.1242   -2.8222   -1.4211
 -0.27299   1.5229    2.7928    3.2827    0.70774  -1.1142    0.12692
  2.463     0.158     3.3645   -1.0875   -3.3011    2.2997   -1.9012
  2.5944    2.6549   -0.41914   5.0861    0.15796   1.7031   -0.59181
  1.1953   -3.7978    1.3579   -0.73386   0.95569   1.9154   -3.8059
  3.3764    2.0299    0.72191   5.8115    0.14167   3.3232   -0.95489
  2.7218    0.58991   5.0855   -1.2624   -0.86367  -1.805     0.30114
  3.1868    2.0077   -3.2334    3.399    -2.7066    1.2894    3.0105
 -2.9755   -0.10108  -5.6434   -0.040036  0.4666    0.32223   1.264
  1.4757   -1.3446   -5.3124   -2.013    -2.1949    0.29928   1.5501
  0.47423  -2.0303   -1.5967   -0.84297  -4.8418   -0.82438   2.392
 -3.9061   -1.5924   -0.34404   2.5531   -2.5834   -0.40037  -1.8601
  0.34381   0.64195   0.14188  -4.2306    2.0822   -0.54444   1.9399
  3.9928   -0.14425  -1.1992   -1.6222    1.423    -0.56963   3.4819
  0.031062  6.8706    0.65992   4.2851    5.6124    2.5164   -3.1283
 -1.1784    2.4926    1.6282    0.82529   4.1662   -0.2733   -1.7267
  1.0137   -5.1952   -1.2225    0.98042  -2.4461    2.3714    0.84807
  0.57421   4.5909   -2.9807    1.8884    1.9007    0.8627    3.8006
 -4.6785    0.62581   0.88035   0.85291   1.5584    0.8621    1.447
  0.19606   9.1783   -0.18566  -3.1271    2.3588   -1.6167    3.1441
 -0.57206   2.3285    0.41148  -0.34803  -4.7186   -2.7423    1.116
  0.94288  -0.83305   0.20429  -2.4668   -1.5046   -0.36856   0.071697
 -0.57714  -1.1861    1.8669    2.7828    0.99033  -1.5704   -0.42653
  2.5302   -0.52215   0.71783  -2.2907    0.18308   1.5561    0.39259
  0.47813  -2.941     2.1856   -0.38891   0.88971  -2.6139   -0.81533
 -3.5144   -2.3753   -3.3147   -0.17726  -0.047246 -1.1885   -2.6623
  2.169    -0.072427 -1.366    -0.17555  -1.7051    0.3053    2.332
  0.77296   2.8672    1.4705   -0.72213  -4.2844   -0.17764  -0.22925
  0.37149  -0.28953  -1.425    -2.2321    3.1807   -3.0128    1.2821
  5.2254   -3.554    -2.529     2.3263    1.3649   -3.7581   -2.5588
 -4.6732    4.0017    3.2414   -2.9506    5.5141    3.1864  ]
Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
 -1.8384e+00 -2.1125e+00 -1.1642e+00 -5.5051e+00  1.9908e+00  2.1857e-01
 -1.6553e+00 -3.9243e+00 -1.6701e+00  2.2704e+00  3.4686e+00  1.2124e+00
 -3.0561e+00  6.3723e-01 -6.8558e-01  2.4041e+00 -1.1305e+00 -1.3629e-01
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  2.0945e+00 -5.2343e-01  4.3787e+00  1.4959e+00 -3.2598e+00 -2.6085e+00
  1.9777e+00  4.4006e-01 -1.5258e+00 -9.1651e-01  2.7819e-01 -2.8672e+00
```

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  2.0079e+00 -2.1487e+00 -2.5767e+00 -1.6131e+00  5.7711e+00 -2.4625e+00
 -1.2455e+00 -1.5580e+00 -2.3148e+00  2.2156e+00 -1.0421e-01  1.1694e+00
 -5.3561e-02  2.9689e-01 -2.2064e+00 -4.6041e-01  5.1525e-01  3.3595e-01
 -1.8510e+00 -4.3012e-01 -9.2878e-01  1.3933e+00  5.3063e-01  9.1558e-01
  1.9479e+00  2.6077e+00  6.2555e-01  2.2752e+00  2.1260e-01  2.7703e+00
 -3.7481e+00  1.3103e+00 -1.4233e+00 -6.4541e+00 -8.6162e+00  5.8673e+00
 -1.5601e+00 -6.8860e-01 -2.4346e+00  5.4334e-01  1.1415e+00 -2.5969e+00
  2.1159e+00  2.2011e+00  2.2243e+00  1.9312e+00  7.8822e+00  1.5265e+00
 -1.8524e+00 -1.3204e+00  2.4935e+00  1.8012e+00 -1.5038e+00  3.1126e-01
  4.4815e-01  4.3389e+00 -4.0426e+00  2.0551e+00  4.2549e+00 -1.5444e+00
  4.0603e+00 -3.9018e+00  4.0509e+00 -1.9058e+00 -3.0940e+00 -2.5366e-01
 -2.7478e+00  2.3604e+00 -3.6005e+00  2.3403e+00 -1.7738e+00 -1.1151e+00
  6.6999e-01 -5.3032e+00  2.0987e+00 -3.9442e+00  3.4534e+00 -1.5343e+00
  2.8643e+00 -4.0458e+00  3.0289e+00 -2.7970e+00 -9.3341e+00  5.3929e-01
 -1.1737e+00  1.3272e+00  2.3772e+00  1.0971e+00  1.0019e+00  1.0384e+00
 -1.3623e+00  3.0683e+00 -3.9125e-01 -7.7964e-01 -6.0628e+00 -1.5264e-01
  3.3141e+00  3.0189e+00 -4.3729e+00  2.0329e+00 -1.5586e+00 -3.8235e+00
  1.6758e+00 -1.9118e+00 -3.1380e+00  1.1845e+00 -1.5626e+00 -2.7584e-01
  3.6495e+00 -1.0584e-01  6.7675e-01  1.4794e+00 -1.4256e-01 -4.4907e+00
  2.0803e+00  9.6690e-01 -7.9430e-01  1.5776e+00 -1.8645e+00 -2.5572e+00
  5.3933e+00  1.9729e+00 -7.8935e-01 -3.3208e+00  2.3262e+00  3.1355e-01
 -2.8014e+00  5.1058e+00  1.3737e+00  1.1774e+00 -1.6045e+00  2.9236e+00
 -4.6835e+00  4.9223e+00  7.0827e-01  4.1909e+00  2.1518e+00  2.5678e+00
 -1.4770e+00  4.2207e-01  7.3922e-01 -2.8959e+00  5.8038e+00 -2.1181e-01
 -1.1159e-01  1.9091e+00  6.0065e-01  1.0148e+00 -4.8491e+00  1.4819e+00
 -2.0432e+00 -2.8171e-01 -8.4493e-02  1.1377e+00  8.6292e-01 -1.2655e+00
  2.9554e+00 -8.4363e-01 -2.2089e+00  5.5662e-01 -1.3028e+00 -1.0751e+00
 -6.6610e-01 -3.3758e+00 -4.4857e+00  2.6784e+00 -8.0714e-01 -1.1349e+00
  4.0870e+00 -1.9958e+00  3.1097e+00  1.8230e+00  1.7513e+00  1.8322e+00
 -1.7098e+00  4.8192e-01 -5.0910e-01  3.9146e+00  1.2079e+00 -7.2953e-01
 -1.3764e+00 -1.6190e+00  2.0778e+00 -1.4009e+00 -3.9523e+00  2.6064e-01
  1.1611e+00 -1.8546e+00 -2.7324e-01  2.3591e+00 -7.6830e-02 -2.0106e+00
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 -1.5669e+00  8.8860e-01  2.4013e+00  9.8402e-01  6.9931e+00 -5.8445e+00
 -2.4085e+00 -8.0737e+00  5.2070e-01 -4.1230e-01 -2.6888e-01 -2.0873e+00
 -6.4251e-01 -9.2623e-01 -2.7888e+00  1.7587e+00  1.5806e+00  5.3068e+00
 -1.1958e+00 -2.5143e+00  1.5083e+00  3.8731e+00  8.6183e-01 -6.1826e-01
 -4.5791e+00  2.1940e+00  1.1049e+00  5.9837e-01  3.7414e-01  9.6633e-01
 -3.2857e+00 -6.4117e+00  1.5157e+00  2.7365e+00  1.7836e+00 -2.0693e+00
  5.9592e-01 -7.4922e-01 -1.1949e+00 -1.4580e+00  7.7084e-01  2.1702e+00
  2.4492e-01  1.0117e+00  3.2693e+00 -9.5010e-01  5.8508e-03  9.3704e-01
 -3.8259e+00  4.3888e+00  3.7159e+00 -4.0342e+00  3.1491e+00  9.5624e-01]
Secretary [-0.84862  -1.5496    2.6838    1.3588   -3.6394    0.29423  -3.973
 -4.6315    3.4499   -0.70942   4.514     0.49907  -3.0231   -0.74906
 -1.9575    0.90714   2.6754    3.2115   -1.7596    4.1664   -0.66692
 -2.8196    0.76159   0.064777  3.408    -1.016    -0.35329   3.9728
 -0.46971  -0.91406  -1.6246    0.76046   2.2928    5.2766   -1.37
  1.3792   -2.3982   -0.80849  -6.7951   -1.0701   -0.038672 -1.4381
  3.0535    2.5162   -1.9875   -0.60143   2.0932   -1.3242   -3.2174
 -0.87793  -4.1517    2.2517    3.5994   -2.3752   -0.94285   2.0925
 -3.1605   -5.4183   -0.50906  -1.507    -0.28347  -3.4752    1.5304
 -2.3109    1.8585    2.0423   -1.8738   -2.8241    2.7006    1.9135
  4.5783   -1.5652    0.56349  -0.50397  -1.4243   -0.48055   2.3021
  0.36265   0.9522   -0.98587   3.6389   -2.4156   -4.9477    1.1979
 -5.1709    2.5643   -3.8155   -0.47868   0.30087  -2.5351   -1.2666
  1.3903    0.47452  -0.66005   1.7228    5.8776   -0.59732   1.4739
  3.5317    1.4851    2.1403   -0.095114 -1.8013    4.8936   -3.9132
  1.482     3.2644   -0.39792   1.5172   -0.77473   3.7126   -2.6103
  2.7547   -5.0824    0.6233   -0.97164   1.0761    2.0496   -4.0802
```

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 -0.41281   3.2104    1.0732    6.7097   -3.9472   -2.1588   -1.7952
  5.693     2.2617    6.0996   -4.4995   -2.7352   -0.28773   2.2875
  0.84199   1.189    -2.6094    3.7207   -4.1264    2.7684    2.2449
 -1.9611    1.6271   -2.7662   -0.38435   1.0269    0.87098  -0.45712
  1.6932   -1.4193   -1.8829   -1.3608   -0.13079  -3.621     4.0711
 -8.4531    2.4193   -2.753    -2.2034   -4.5346   -5.5421    2.2703
 -5.6956   -0.68291  -1.2819   -2.0334   -3.0389   -5.3694    0.24478
  2.5543   -3.2452    1.5084   -0.29521   2.1988   -2.7476    3.4165
  7.6504    1.3989   -2.9804    0.92322  -2.1062   -1.7269    3.59
 -3.2442    5.4538    1.6901    4.7569    3.4527    8.3904   -0.73363
 -1.2966    4.0923   -2.3027    0.22116   5.6404   -1.0836    1.7314
 -1.4005   -6.963    -0.5643    2.4154   -3.8754    2.1091   -0.84079
  0.31246   5.0469   -2.9742    2.2107    2.4351   -2.8842    7.0507
 -4.3321    1.0831    2.8755    3.8735   -0.34667   1.761    -0.040385
 -0.057887  7.869    -0.46748   0.51922   1.9733   -3.6592    1.1328
 -3.784     1.2007   -2.2262    1.7356   -6.0255   -0.66844   1.1662
 -2.3749   -3.9603    1.1747   -0.80599  -0.26188   1.1204   -3.2089
  4.1062   -2.1284    0.75093   2.6426    2.5974    0.44648   0.18461
  3.5289    2.3796    0.041016 -0.13433  -1.0142    0.5378   -3.3628
 -3.7458   -8.894    -1.1674   -1.054     0.12558  -2.0349   -2.4091
 -4.79     -2.9069    0.8992    0.83046   2.33      0.62525  -3.0652
  2.0187    0.75673  -1.3679    0.82999  -3.3359    2.7709    1.3255
 -2.771     2.6411    2.1363   -3.5564   -4.5362   -2.4159    2.9108
  1.2798    1.4866   -0.60528  -2.1067    2.7352   -2.5057    3.4372
  3.6644    0.10089  -1.4164    4.3323   -0.80853  -4.3609   -0.87558
 -6.7553    1.2937    1.3778    0.90254   3.0153    1.4183  ]
Kathleen [-1.8843e+00 -2.0005e+00 -2.2463e+00 -2.1821e+00  6.6071e-03  6.1230e-01
  8.8925e-01  6.7935e-01  5.7487e-02  1.3573e+00 -1.1215e+00 -1.1280e+00
  1.8751e-01 -1.9258e+00 -2.3395e+00 -3.6972e-01 -1.7008e+00  2.5305e+00
  1.2541e+00  2.6437e+00 -1.5469e+00 -2.9658e-01  4.1030e+00  3.6223e-01
  1.4005e-01  4.6202e-01  9.2871e-02  3.0990e+00  3.1995e+00 -1.3120e+00
 -1.1898e+00  2.4500e+00  1.8035e+00  2.2656e-02 -3.2061e+00 -1.9603e+00
  4.1310e-01 -1.3850e+00 -2.0928e+00 -8.0560e-01 -1.0804e+00 -6.2961e-01
  3.6368e-01  8.6316e-01  1.4779e+00 -6.3385e-01  8.0863e-02  2.5832e+00
  1.2923e+00  1.5717e+00 -1.2261e+00  3.0713e-01  7.1683e-01  1.2161e+00
  2.1746e+00 -5.2554e+00 -1.7724e+00 -6.7629e-01 -6.5267e-01 -2.5963e+00
 -1.7974e+00  1.8880e+00 -8.0834e-01  2.7755e+00  2.6340e+00  1.0070e+00
  2.3191e-01  4.6680e-01  4.5313e-02  6.3682e-01 -6.4618e-01 -1.4315e+00
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 -5.0563e-01  4.2135e-01 -9.2918e-01 -1.6303e-01 -1.9003e+00 -1.1451e+00
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 -1.5056e+00  1.7314e+00  3.0378e-01  1.2523e+00  3.4145e+00 -8.1576e-01
  3.1365e+00  3.7456e-01  8.0614e-02  1.2172e+00  2.3423e+00 -1.0893e+00
  1.7563e+00 -2.2468e+00  1.2474e+00 -1.5791e+00 -2.7957e+00 -5.7344e-01
 -4.8733e-01  1.3568e+00  3.0688e+00  3.1197e-01 -1.1085e+00  1.2032e+00
 -3.1257e+00  6.3159e-01  2.5093e+00 -2.1994e+00  1.0473e+00 -8.0992e-03
 -2.0062e+00  6.1809e-02 -7.5634e-01 -5.3756e-01  2.0676e+00 -2.0020e+00
  1.2788e+00  2.1204e+00 -1.4037e+00  1.3394e+00 -8.2666e-01  1.4037e+00
  1.3604e-01 -7.3190e-01 -8.7072e-01  6.2873e-01  1.1484e+00 -4.3394e-01
  2.4786e+00  1.8107e-01  8.0825e-01  1.6380e+00 -2.6169e+00 -2.9010e-01
 -2.5180e+00 -1.7875e+00  3.6563e-01 -2.3560e+00 -8.1568e-01 -2.9683e+00
 -1.1345e+00 -1.4545e-01  2.0401e-02  3.3628e-01  9.5666e-01  3.0080e-01
 -3.6943e+00 -3.7853e+00  1.7717e+00 -5.0242e-01  8.0679e-01  1.1973e+00
  4.1562e+00 -3.1288e-01 -1.7663e+00 -2.5065e+00  7.8405e-01 -8.2254e-01
 -9.5806e-01 -1.1563e+00 -2.2660e-01  6.3386e-01  2.7656e-01 -1.0892e+00
  2.1945e+00  8.0126e-02  2.0458e+00  1.6604e+00  1.0196e-02 -1.4338e+00
  1.0338e+00  2.7694e+00  5.7102e-01 -1.1092e-01  1.3013e+00 -8.2629e-01
  3.5320e+00  8.0109e-01  3.0761e+00 -1.9067e+00  6.4733e-01 -3.1522e+00
```

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  1.1739e+00 -2.0607e+00  7.7666e-01 -6.7819e-01  5.3951e-01 -5.0372e-01
 -7.4365e-01 -2.4040e+00  1.7280e+00  2.3386e-01 -1.4333e+00 -1.0994e+00
 -1.9020e+00  2.1327e+00 -7.9990e-02  8.2552e-01  1.0677e+00  4.7752e-01
  6.7515e-02  3.3528e+00  8.3689e-01  2.6654e+00  1.1375e-01 -2.6841e+00
 -2.4440e+00 -1.1965e+00  2.6339e+00  3.3084e-01 -2.2539e+00 -1.8575e+00
 -1.3498e+00 -7.4716e-01  1.2625e-01  1.2116e+00 -6.0572e-02 -1.6742e+00
  1.2519e-01  1.0702e+00  2.8679e+00 -1.7832e+00  2.7743e+00  7.5479e-01
  5.0089e-01 -2.0175e+00 -2.2864e+00  2.9024e+00  1.4230e-01  1.6654e+00
  2.8695e+00  8.3556e-02 -1.5065e+00  7.3817e-01 -1.4763e-01 -1.9481e+00
 -5.9615e-01 -3.8921e-01  2.5768e-01 -4.1669e+00  1.5333e+00 -4.0837e-01
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  2.9891e-01 -1.2888e+00 -2.8442e+00  1.7692e+00  1.1898e+00  1.2009e+00
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 -4.5820e+00  2.8909e-01  2.0148e+00  8.8118e-01  5.4035e-01  9.7342e-01]
Hicks [-0.53525   1.631    -1.6054    1.7373   -0.70223  -3.4057   -0.94598
 -0.78113  -0.74036  -0.25986  -1.6295   -0.4783    0.3581   -1.8937
 -0.41896  -3.3651   -0.91218   1.3379   -0.96552   3.9534   -0.53287
  0.91521   4.6133   -3.4192    1.3859   -1.0857   -0.64728   2.5804
  0.94655  -1.9244   -1.4337    2.2306    0.37211   3.2084   -3.4549
 -3.5386    0.82057  -1.8626   -2.2159   -1.9974    0.01793  -2.8215
 -2.5064    1.7852    0.10498  -0.55575  -0.55233  -0.2571    1.1946
  0.44951   1.8014   -2.1871    0.51651  -1.1669    1.696    -0.43054
  0.26851  -1.7099   -1.5205   -0.67816  -2.159     1.4588   -1.4679
  2.7335    3.219     0.54748  -0.58331   1.4167   -0.88969   0.96252
  1.9965    0.38505   0.43646  -3.7304    2.9494    2.4869   -1.0098
 -1.0473   -0.73061  -1.8877    2.0112   -1.9919    0.062405  1.7474
 -0.04906  -1.1896   -0.77278  -1.3216   -1.7975    1.707    -0.77121
  0.17291  -0.82339   1.5864    0.35229  -1.9943   -0.62651  -0.082384
  4.5136   -0.2766   -1.797    -1.4407   -0.96498   2.1128    2.8671
 -0.44025  -3.5891   -0.41738   2.4318   -3.1298    0.94198  -2.0144
  1.6242    1.1319    0.023794 -1.7226   -2.0784    2.0049   -4.5784
  0.31596  -0.17309  -0.5596    2.8188    0.060725  0.05235   2.6507
  0.084139  2.301     1.8209    0.36054   0.52389   1.7273    1.5078
 -1.8295   -0.13571  -1.0701    2.8356    3.0685    0.42512   2.1113
  0.19098  -1.5796    1.2451   -1.1688    1.8246   -0.11128  -1.177
  0.87671   2.1927   -1.1895   -0.85351   0.75962   0.97188   2.0938
 -2.1794    0.58418  -0.71536  -2.2587   -1.7705   -3.6935   -0.61616
 -4.6037    0.11826  -0.42714  -3.3514    1.7748   -1.2882    2.0465
 -1.5917   -2.7684    1.8898   -3.3424    1.8907   -0.089518  3.759
 -0.11855  -2.1721    0.61904  -0.37354   0.086447  0.43679  -0.57815
  0.30561   2.2551    1.2054   -0.97422   0.14622  -2.7823    1.5329
  2.4431    0.14146  -1.1201    1.7594    2.7919   -0.24454   1.2572
  3.6224    0.17932   2.5819    0.99722   3.1184    0.5055   -0.88268
 -1.9905    0.23175   0.65208   1.1503   -2.7032   -2.9886   -0.33812
 -2.5021    1.6109   -0.4428    2.3397   -0.41121   0.81562  -1.4796
  1.7505    0.68443   1.324     1.3383   -0.58798  -2.2814    0.58596
  0.47656   1.0581    0.83489   0.94827   0.28864  -0.40222   1.0552
 -2.0984   -3.6152   -3.1807    0.63913   2.355    -0.67332   2.2422
  2.6377    0.045784  1.3129    1.6873    1.3851   -0.39057   5.2923
  0.2145    2.3358   -0.079412 -1.7254    0.8403    0.54893   0.51648
 -0.38186  -1.8379   -1.0401    0.55304  -1.2181   -2.4058   -0.14643
  2.7218   -0.26484  -1.0105    1.3423   -2.2037   -0.36246   1.247
 -1.7361    2.4035    1.5818   -2.923     1.8298    0.85674  -1.4565
 -0.68653   1.0097    1.7103   -0.66573   0.66654  -1.3514   -0.45681
 -1.01      0.51789  -2.4055    0.85964   2.4666    2.56     -1.5233
  1.5214   -2.2891   -3.9579    0.56538  -1.1615    1.0719   -0.8361
 -2.7607   -0.43337   2.1326    1.5547   -0.70681  -0.2008  ]
said [ -0.67821    0.63517    3.2564     0.37733    3.6469     3.9638
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  0.27292    0.21205   -4.1228    -1.0324    -3.931     -1.9908
 -1.6186    -2.0231    -8.0522     2.6226     3.2651    -1.664
  0.81676    8.1923     3.023     -7.989      1.8993    -4.6024
 -0.22139   -1.0552     3.1044     1.9256     3.2816    -3.5314
  3.5127     2.2792     1.1595     0.5591    -0.49555   -4.212
 -0.2852    -1.0356     3.5171    -0.31595   -2.416     -1.8666
  5.0452    -7.6967    -1.9256    -2.6184     3.326     -0.15897
 -0.15608    7.7697     3.5203     1.3461     8.1344    -5.0012
  5.2714    -6.0275     3.2455    -0.56927    3.7955    -0.74849
  4.7654     0.21547    0.078135   1.8643     4.6551     0.27815
 -2.6796     0.58786    0.68804   -1.3662     6.5782     0.1767
 -4.809     -1.3664     1.9771     0.16628   -1.4367     1.4437
 -5.1822    -2.9188    -3.8237    -5.2225     0.20789    5.0164
  2.4247    -0.53282   -4.0232   -10.109      1.4128    -0.82889
 -3.5668    -1.8413    -3.364     -0.99626    4.5522    -1.2529
  2.0581    -6.1528     5.4256    -0.67616    3.6882    -0.58041
  0.92328    9.5521    -6.4085     4.5072     3.5388    -2.5321
  6.0478    -7.7898     0.16097    3.0218    -1.0696    -4.9188
  1.8531     6.2672    -5.1217    -7.2558   -11.086     -1.1793
 -1.5828     0.92092    4.8681     3.9374     0.53265    0.57909
  3.6679     6.5388     3.6291    -1.5826     2.5973    -1.1381
 -3.6928    -7.7508    -1.3639     3.6012    -2.4771    -0.55626
  8.2615     1.2859    -1.4237    -3.7295    -2.5698    -0.96861
 -8.6372    -4.9457    -3.5017     2.7698     2.4424    -1.5171
  1.8412     1.8804     0.42064    5.7253    -2.1147    -2.8437
 -2.1173     0.58021   -7.5801     0.78562    5.3082     0.086285
 -0.62317    1.5289     3.8113    -3.5046     0.013797   5.2891
 -4.8427     0.49014    3.2589     4.0782     5.4443    -8.6187
  4.6487    -1.5055     2.1056    -1.1983    -3.9361    -0.87771
  1.3105     7.225      5.382      6.9255     3.611     -2.8444
  6.7163    -1.0992     3.8233     1.518      1.4586     0.11543
  1.8949     2.159     -6.9587    -6.5529     4.2242    -3.6767
 -2.1348     6.1599     1.4292     0.15517    1.6795    -6.2256
 -0.44218    2.6016     0.033856   0.87542   -6.5409     4.9558
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  3.6293     6.5411     3.2586     0.42237    1.4016    -2.8109
 -5.2084    -2.7512    -3.6062     4.0768    -4.462      0.89436
  0.15113   -2.8989     3.9812    -3.6619    -2.6481    -5.4197
 -2.753     -4.4707     2.2379     1.1731     1.8198     0.099536
  1.7237     2.7738     3.2043    -4.9352    -5.1319     4.1869
 -1.1909    -1.7825    -4.5866    -1.1516    -0.62557   -1.7176
  0.31701    0.035141   7.0499   -10.997     -2.2294    -3.318
  0.13928   -1.2849    -2.1121    -2.5563    -3.4184    -0.024208
  4.8414    -4.6892     1.9502     2.3926    -3.4849     1.0265
  1.0523     7.9153    -0.55593   -2.2372     0.4934    -0.15246
  4.9987    -5.5787     1.0173     2.4718     2.0187    -0.87453
 -2.5375    -6.4779     5.7426     1.0854     7.9669     1.7795
 -4.675     -0.83422    1.1653     2.4569    -5.3529    -1.4631
 -5.3443    -1.678     -0.71452    6.45       2.9919     1.1298  ]
in [-3.7766e+00  6.9426e-01 -3.3805e+00  2.7050e+00  8.6019e+00  2.8878e+00
 -4.6254e+00  9.0990e+00  1.1907e+01 -1.3739e+00  9.5450e+00  1.9530e+00
 -1.9000e+00  8.5669e+00  2.8928e+00  4.8758e+00 -1.2887e+01  1.9720e+00
  3.8513e+00 -3.3540e+00  5.9163e+00  1.7272e-02 -1.0303e+01  1.0167e+01
  6.3080e-02  1.7523e+00 -6.9164e+00  6.4488e+00 -4.1364e+00  1.0931e+01
  4.3396e+00 -3.5339e+00 -7.9226e+00 -6.3873e+00 -1.5154e+01  4.1926e-01
 -1.1617e+01 -2.2857e+00 -9.2245e+00 -6.4154e+00  8.9911e-01  3.5330e+00
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  7.9206e-01  7.9850e+00 -3.2232e+00 -3.7988e+00  5.6403e-01 -4.2275e-01
 -2.1077e+01 -1.5553e+01  8.2781e+00  2.8786e+00  3.3721e+00  4.4616e+00
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 -5.6858e+00  5.1708e+00  8.8262e+00  3.9100e+00  1.1032e+00  1.2414e+01
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  7.6607e+00  7.8970e+00  3.8282e+00  4.9817e+00  8.8947e+00 -6.3687e+00
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  1.2522e+01  5.0874e+00  2.6538e+00  5.8051e+00  4.1010e+00  7.2983e+00
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 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
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  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
   0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
  -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
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  7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
 -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
  3.2295    14.775      2.1246     7.2148     3.6015     3.3317
 11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
  7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
  3.1062     0.87365   11.799     -3.936      5.7646    10.454
  4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
 -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
 -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
 -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
 -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
 -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
  7.8215     5.9596    -2.024      5.9806    12.227      2.8496
  4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
 -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
 11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
 -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
  9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
 -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
-11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
  1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
 -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
  9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
  5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
 -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
 -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
  0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
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  7.6899e-01  4.6839e-03  1.4509e+00  1.4087e+00  8.6491e-01  1.4918e+00
 -5.7659e+00  8.4173e-01  5.4214e+00 -4.6172e+00  2.2854e-01  4.3951e+00]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
  2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
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 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
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 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
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  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
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 -1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
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  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
  2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
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 -0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
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  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
“ [  4.0117     6.1447     6.0428    -1.2223    -0.89314    7.0289
   3.8083   -10.175    -12.974    -16.355     13.199     -0.64208
   3.9055    -9.0027     0.69574    2.0928     4.5826     7.3396
   0.15615    5.3642     1.7527     2.9559     4.2408    -8.9241
  -8.7371     3.4601     9.256     -3.0093    -1.6291    -1.0837
   4.8812     3.5292    -8.566      2.6971    -0.069463  -2.6916
   7.1875   -12.072      6.6128    -2.7805     4.0383   -13.224
  -6.6133     0.71981   -4.2057     2.6999     0.46916   -5.5086
   2.083     -6.8729    -3.8757    -2.521      1.6688    -5.6535
   0.29916    5.276      3.7059     5.052      1.5987     5.3329
  13.426      8.4246     6.1137    -0.38982   -2.6855     3.6625
  -4.15     -25.151     -6.8561    -2.96       2.1339     0.97768
   8.0443    -0.84752   -1.313     -3.1546     3.7657     7.9994
  -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
   1.6884     6.4194     4.2471     0.99829   -4.3103    -2.7644
   9.5779    -6.4278     3.0096    -6.8325   -12.983      5.1065
   3.4582     1.4       -9.0537    -6.3843    -7.7083     2.4973
  -2.7985    10.036      0.51554    3.7998    10.056     -2.0603
  -0.11334   -5.1983     1.7585    10.259     -0.17789    4.286
   6.5564     6.733     -3.124    -17.44     -12.351      1.5846
   0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
  -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
  -5.4211     3.0427    -4.9335    11.522      1.3528    -3.6276
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  -1.661     17.208     -7.7206     0.54176   -2.4799     4.1986
  -2.0755    -4.495     -3.8344    -4.8182     9.8085     6.576
  -6.1684     3.9369     5.0423   -13.928     -6.1404     1.2844
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   2.6241    -1.2159     6.4726     3.8124    -3.64      -0.42333
   7.6105     1.9617     1.3932    -3.7137     2.1101     3.476
   3.6122    -4.1616    12.123      0.64861   -0.49947    2.1249
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 -1.9954e+00  9.6425e+00  5.2112e+00 -1.4444e-01 -1.2359e+00 -1.2730e+01]
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  -5.337     -4.6306     0.3169   -10.818      7.9456   -16.578
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  -2.0835     5.0961     5.2785     4.8359    -2.8565     5.9086
  15.796     -9.1927     2.9272    -4.8363    11.892     -6.5356
  -0.076598  -8.0814     9.8375    -0.58804    7.3906    14.761
   5.5103    -5.0317    -0.45456    8.8621     3.3047    -9.8642
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  -9.2683    -1.701     10.566      7.0092    -4.5552     6.0415
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   5.8937     2.0406    -1.9248     1.1674     9.2102    -4.2022
   1.6185     2.2171     6.2021   -11.577      1.4518    -0.8347
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   0.45773   -7.8414   -17.231      5.4304    -6.5515    -0.16
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  8.9132    -4.0262    -0.76743   -2.5449     0.28209    3.852
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 -8.1942     8.636     -6.6381    -9.1735     3.3328     2.8025
 13.785     -0.81617   -1.161     -3.7694   -10.84      -6.3238
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  6.6446    -2.0119    -9.5548     1.0691    -2.3389     7.0556
  4.1177     5.7108     8.4868    -1.989     -0.76606   -2.9534
 -2.076    -17.664      7.9882    15.818     -6.8268     9.5058
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 -6.0474    -2.6263     2.0905    -6.423      2.3737     4.4254
  7.8059    -7.804      0.74929    3.2266     2.4751    11.714
 -9.4043    -3.7865    -0.36549   -7.5277    -2.9953     5.1922
 -5.6065     2.1689     7.9438    -5.9049    -1.4667     4.2296
  1.4539    -2.0878   -11.234     -0.54505    0.96639   -3.3991
  1.9682     0.98539   -1.6654    11.72       5.6778     1.0555
-21.77     -12.05      -2.0647    -2.7584     7.6031     6.1749
  2.426      6.5015    15.147      8.8084    -6.0074     6.3397
-11.401      7.2544     0.76071   -2.4111    -1.1797    -5.7644
-11.993     10.952      6.1709    11.765     11.083      3.69
  4.7237     0.40439    0.83453    7.0485    -7.9351    -6.2347
 -1.2924    -5.0545   -10.282     -4.213      6.5738   -12.457
  5.9676   -16.584     -4.4062    -5.3441    -8.9896    -4.2755
  3.001     -3.9045     4.1533    -0.59323    2.4017     2.7635
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 -2.3045     0.1083     0.88121    6.6869    -4.5738     6.0192  ]
navigate [ 2.1074     2.2857     0.082274  -0.156     -0.72395    1.6636
 -2.1115     0.47914   -5.2847     4.7811     3.7275     1.0959
 -0.7204     4.0014     4.3956     0.94725    2.6748    -1.5163
  2.0523    -4.2261    -0.24286   -3.0403     0.086546  -1.1013
  0.54894   -0.77154   -2.2613    -2.4389    -1.8388     1.4313
  0.70927   -1.1856    -2.9694    -3.3793    -0.57387   -0.87181
 -4.0644     1.3804     1.7326    -0.47469    2.4729     2.2558
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  0.55742   -0.81084    3.7266     0.51857    2.2535    -2.7944
 -2.6506     0.59435   -4.1951     1.6711     0.22564   -0.41442
  2.6371     1.7071    -0.1586    -1.2307    -0.77255    2.6408
 -3.7359     0.16556   -1.6578     2.113     -1.576     -0.73935
  0.42254   -0.096705  -0.28739    0.15796    0.59131   -2.5357
 -1.9028     2.3886    -2.1145    -0.65795    1.9887     1.8883
  0.76294    0.76798    5.0398    -1.0251    -2.5342     1.8565
  1.3412     0.55918   -3.764      1.3752    -1.6116    -0.12898
 -2.3981     0.85425   -0.76841    0.24558    3.5761     2.7026
  0.89856    2.61      -1.2735     3.4007     1.1186    -1.6161
 -1.5593    -0.32256    1.9004    -3.6717    -5.5318     2.5764
 -0.82036    3.9881    -1.1353    -0.82564   -1.3042     1.8285
 -7.3693     0.75596    0.77162   -0.87971   -0.047697  -0.65154
 -2.464     -2.1037     2.0361     3.3322    -1.9339     1.3656
 -2.3297    -1.3165     0.11947   -3.643     -2.8792    -1.567
  1.918     -1.1417    -1.9054    -1.1937    -3.6251     3.6354
  0.94114    0.11577   -4.5773    -1.5443    -1.1855     1.1647
  0.37398   -0.16144    0.86735    2.7566    -3.4112    -3.2452
  2.0496     2.092      1.8418    -1.131     -2.5839    -1.6208
 -1.7456     0.0073999 -4.8714     0.36626   -3.6654    -3.2604
```

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 1.0531    -1.8349     1.1264     1.9903     1.5135    -1.9852
-1.039     -0.39656    1.4361    -0.62735   -1.5699    -5.1725
 0.72334    2.4267    -0.99345   -2.4133     2.2882    -1.7884
-3.0828    -2.1816    -2.3759     1.634     -0.76944   -3.2263
-1.8409    -2.1803    -2.0173     2.2177    -1.8244     0.34726
-0.28327   -2.1792    -2.8681     1.7038    -2.9824    -3.6198
 0.80559    2.2335    -5.1282     1.8812     4.0049     2.5383
 1.3884    -3.16      -1.2231     0.53128   -4.7598    -0.30978
 0.39141   -2.8403    -0.62457    1.9449    -2.0547     3.1816
-2.8436     2.1915     1.1382    -0.97843    3.2651    -1.8595
 1.3095    -2.7094     1.4606    -2.9862     2.2783    -0.5963
-0.15384    1.912     -0.029889  -1.961     -1.8943    -0.024303
-1.9204    -1.192     -1.8447     0.75075   -0.010562   1.1453
-6.5056    -1.4418     1.2496     0.43811   -2.6823    -0.63544
-0.54361   -2.5954     1.6287    -3.1392     0.80091   -1.3493
-0.30921   -1.5604     1.1005     3.3001     1.2665     3.4161
 0.34348   -1.8044    -3.3442    -1.3272    -1.331     -3.3038
 2.4918    -3.9444    -0.53539   -4.2411    -0.86185   -2.8976
 2.6764    -4.3621    -2.9579    -0.096365   1.4138     3.9093
-1.9975    -0.34297    0.28359    0.5734     0.15639    2.2797
-0.94402   -0.29387   -2.3696    -2.2073    -1.3182     1.5468
 3.8315    -1.4894    -1.1861    -2.4531     0.65822   -2.1554   ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
 5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
-1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
 1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
 2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
 2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
-1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
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-7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
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-1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
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-9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
 1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
 4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
 3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
 5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
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 3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
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```

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 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
transformative [-6.2318e-01 -7.5199e-01  1.4468e+00  3.2316e-01  3.5099e+00 -2.9937e-
01
  2.2333e+00  2.3417e+00 -1.1325e+00 -6.9247e-01  7.4166e+00  1.8715e+00
 -4.5009e+00  2.6974e+00  1.5957e+00  1.3403e+00  4.4976e+00  3.7971e+00
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  2.1626e+00 -8.4826e-01  4.6777e+00  1.5070e+00 -5.2657e+00 -2.8543e+00
  5.1791e-01 -1.8355e+00  2.0834e-01 -1.9634e+00 -9.5317e-01 -2.0117e+00
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  2.5493e+00 -4.8910e+00  1.4838e+00  8.3254e-01 -3.5247e+00  2.6342e+00
 -2.0181e+00 -1.1843e+00 -7.3654e-01 -1.4770e+00  1.6033e+00  8.2064e-01
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  2.6102e+00 -2.0443e-01 -1.5258e+00  2.2680e+00  2.9962e-02 -2.0333e+00
  3.8703e-01 -5.8590e-01  4.9842e-01 -3.1789e+00  3.7844e+00 -3.0392e+00
  1.7262e+00 -4.3666e+00 -1.0628e+00  6.3398e-01  1.3617e+00 -4.5777e-01
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  1.7548e+00 -1.0597e+00  3.0605e+00 -1.3507e+00 -2.3772e-02  2.0499e+00
 -1.2358e+00 -3.0778e-01  3.9576e-02  1.0947e-02 -4.8296e-01  6.6016e-01
  1.0645e+00 -7.6039e-03  1.3926e+00 -4.6585e+00 -6.0832e-01  1.1772e+00]
power [ -1.8134     2.2036    -6.1365     6.1966     4.9696     0.52595
   1.334      6.1184    -6.3629    -0.17542    9.6044     2.3977
  -6.7445     2.1707    -0.74       9.9459     6.9315     1.6685
  -2.2903    -0.97383    2.9136     9.7782    -2.6715    -9.6306
   1.3051    -1.5554    -0.90169   -5.1962    -0.4768     5.9493
   0.62189   -1.9367     1.4141     1.3081    -0.27953   -2.4555
   2.9041     3.5062     2.6065     5.3269     0.24206   -5.4047
   4.7247     3.902     -2.4864     4.5584     1.7843     0.64049
   2.8011    -2.1727    -5.232      2.0982    -4.4215    -2.9842
   0.61059   -1.5126     0.49754    2.9382     3.7194    -0.47639
   1.6793     0.092487  -5.4919    -8.627      0.96207    4.858
  -6.8445    -6.115      2.4982     1.3461    -1.8997     3.5573
  -2.019      6.778     -4.053     -0.92004   -2.6267     5.7868
  -2.4512    -3.4024    -4.4153    -4.7586     0.91513   -0.17762
  -0.31637   -3.1195    -3.5163    -6.0678     3.1864     2.8547
  -3.7083     5.3718     5.2122    -3.2763     2.4751     3.5728
  -0.78706    8.0793    -2.7        2.0202    -0.039364  -1.2702
   7.3803     2.9544     0.29365    3.532      0.34062   -4.0272
   1.8336    -0.36243    3.2086     0.30457   -6.4751    -3.123
  -4.2478     3.1456    -0.33436   -0.28416   -0.21706    0.96993
  -3.6306    -3.5985    -1.4098     2.5007     0.84407   -5.4137
   2.5911    -3.0191     2.5961    -2.4844    -3.0982    -3.9071
   6.0063     4.8484    -3.9545     2.8396    -5.7264    -1.194
  -2.3398    -1.2984     0.24712   -6.4426    -1.4883     1.4024
   4.5075     0.18571   -5.3066     1.768      0.69361    6.1532
  -5.6875     4.5764     3.7201     4.349      3.9758     1.9542
  -1.486     -5.7602    -4.7766    -0.63213   -7.2251    -1.7942
   0.28737    0.63617    2.6563    -3.6097    -2.5912     1.7183
   1.4638    -0.21144   -3.345     -4.6085     1.1611    -3.4378
   3.3567    -3.1822    -3.4901     0.028286  -1.4047    -1.2709
  -0.54684    2.435      7.3448     0.22256    0.7237     0.10474
   0.29149    5.4429     3.4962     5.7997     6.1548    -4.7372
   0.9413    -0.98123    0.82728    0.82562   -2.3067     0.17385
  -3.0015    -1.3048    -2.0542    -3.082     -2.4038     0.70214
   0.099454  -1.2004    -4.1625     2.4281    -1.5582    -2.0573
  -3.8447     3.3326     0.57863    0.84449    4.1279    -2.0781
   2.8829   -12.318     -0.35351   -3.6203    -2.189      4.1156
   0.81731   -1.8306    -0.46525   -5.3258    -2.9892     2.1978
   0.3888    -5.3067     3.0324    -0.75873   -4.513      3.5404
   6.2966     2.731      4.7001    -0.82239   -1.66      -2.5799
   2.1299     0.94949    0.09035   -2.7614    -3.8308    -1.3653
  -5.3128     5.9197     2.9264     2.9336     2.6951    -0.73489
  -7.8949     1.2531     4.9239    -9.348     -3.7135    -3.5621
   3.1814    -1.3868     2.6348     8.2027     2.9599    -0.78799
   1.5265     2.0135     0.487     -0.18167   -0.94745    1.2764
   4.0856     0.04216   -2.5435     4.371     -2.4251    -2.8398
   7.3173    -6.5431    -1.6063     4.8693    -1.9229    -2.8106
   6.3315     4.0234     7.1465    -1.9004    -1.6674     2.992
  -2.863      3.1352    -0.97824    2.0637    -4.5195     2.3463
   3.9111     3.093     -0.76094   -0.1767    -2.4984     4.1573  ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
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   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
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   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
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   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
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  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
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   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
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  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
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  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
our [ 4.2188e+00  2.4189e+00 -7.6222e+00 -1.9715e+00  1.0860e+01  1.7074e-01
 -4.5432e+00 -6.4374e-01 -4.7311e+00 -1.0812e-01  9.4769e+00  2.8752e+00
 -9.3250e+00 -8.7356e-01 -2.8402e+00 -2.4603e+00  3.5837e+00 -6.5062e+00
 -4.9806e+00 -3.2840e+00  3.5366e+00 -3.9520e+00  2.5981e+00 -6.4218e+00
 -1.0627e+00  4.4237e+00 -8.0784e-01  7.9982e-01 -7.6648e+00  8.0573e-01
  9.2027e+00 -4.8467e+00 -4.6404e+00 -8.3564e+00  4.1080e+00  2.4686e+00
  3.0328e+00 -1.1859e+00  7.4714e+00  8.1670e+00  3.8569e+00  1.4153e+01
 -9.0420e-01 -9.0450e-01 -2.0067e+00  6.2618e-01 -1.0220e+00 -7.7615e-01
 -1.4685e-01  1.6185e+00  4.7068e+00  5.1234e+00 -2.6785e+00 -8.7045e+00
  1.7500e+00 -4.1248e+00 -6.0852e+00  1.9648e+00 -6.1053e+00  1.9052e-02
  8.4221e+00  1.8391e+00  1.9205e+00 -5.9747e+00  1.1202e+00  2.7624e+00
 -7.1139e+00 -7.1877e+00 -1.8009e-01 -1.9880e+00 -2.1710e+00 -4.6921e-01
  9.0362e-01  5.8468e+00  2.5782e+00 -2.0587e+00 -8.4876e-01 -3.1010e-01
 -3.4647e+00 -4.8471e+00 -1.0150e+01  5.7479e+00  5.0183e+00 -7.8461e-01
 -4.5838e-01  1.0942e+01 -2.0945e+00  1.0482e+00  2.2261e+00  5.3113e+00
  3.4821e+00  4.3246e+00  1.4637e+00 -6.0797e+00 -1.8136e+00 -4.1031e+00
  6.9698e+00 -6.0785e+00  2.6729e+00  3.5320e+00  7.9165e+00  7.5268e+00
 -2.2362e+00 -3.9215e+00  1.0349e+00  6.5642e+00 -9.2096e-03  1.9206e-01
 -4.7614e+00  4.9714e-01  2.7267e+00  5.9059e+00 -2.9203e+00  1.0952e+00
 -2.8595e+00  9.0055e+00  1.5135e+00 -6.7915e+00 -7.2961e-01  2.3690e+00
 -9.1595e+00  3.4519e+00 -3.2262e+00  1.4143e+00  5.8372e+00  1.0782e+00
  5.6058e-01 -1.0978e+01  3.0109e+00 -6.1464e+00 -1.8954e+00 -5.7398e+00
  3.7735e+00 -4.2830e+00 -1.1491e+00 -3.8407e+00 -3.4426e+00 -2.3294e+00
  7.5827e+00 -2.0380e+00 -1.2434e-01  3.2363e-01 -2.3737e+00  3.9107e+00
  2.6657e+00 -1.1347e-01 -5.7923e+00  4.8923e+00  2.8628e+00  6.1752e+00
 -6.3037e-01  6.4952e+00 -4.6373e-01 -6.3093e+00 -8.4147e-02  3.9409e+00
  4.1486e+00  4.5179e-01 -1.9075e+00 -2.5246e-01 -6.0006e+00 -6.8284e+00
 -1.6655e+00  4.6604e+00 -7.0268e-02 -1.3047e+00  1.2778e+00 -1.2781e+00
  1.3682e-01 -7.1397e+00 -3.3270e+00 -8.4244e+00  8.0432e+00 -4.7645e+00
 -2.5400e+00  4.9874e+00  2.5513e+00  1.6096e+00  6.4294e+00 -6.9836e-01
  3.3285e-01  4.0586e+00  1.9022e-01 -1.8061e+00  2.8435e+00 -8.5746e+00
 -4.7324e+00 -1.2204e+01  2.6758e+00  7.7632e+00 -3.3375e+00  9.6628e+00
 -1.3618e+00 -8.8723e+00 -1.6223e+00 -2.9747e-01 -5.6465e+00  1.9386e+00
 -4.7506e+00 -5.6030e+00  7.2860e-01 -6.4350e+00 -7.9065e+00  6.5915e+00
  2.7399e-01 -1.9326e+00 -9.6462e+00  8.3157e+00  1.5336e+00  2.7199e+00
  8.5313e+00 -1.2390e+00 -3.9633e+00 -4.3672e-01 -4.3342e-01  8.4778e+00
 -1.8854e+00 -5.9327e+00 -2.3165e+00 -4.0702e+00 -1.0673e+00  1.3675e+01
 -8.6705e-01  1.6020e-01  1.0088e+00 -2.1392e+00  1.9082e+00  2.4884e-01
  3.7391e+00 -2.7332e+00 -1.9324e-01 -1.7671e+00 -2.3969e+00  1.4993e+00
  7.3450e-01  4.5666e-01 -3.7017e+00 -1.7129e+00  3.4969e+00  3.1564e+00
 -8.1239e-01 -1.1253e+00  5.1949e-01 -2.6003e+00 -2.2627e+00  6.9691e+00
 -7.5023e+00 -6.7180e+00  5.5937e+00  3.1171e+00 -4.3326e+00  1.5647e+00
 -8.9050e+00  3.4664e+00  2.2237e+00  3.6907e+00  5.9652e+00 -4.1055e+00
 -6.5722e+00  2.9971e+00  5.4105e+00  7.1612e+00  7.6141e+00  1.6062e+00
  1.2070e+01 -9.6308e-02 -6.9022e+00  6.1414e+00 -8.6102e-02 -1.6040e+00
  5.3825e+00 -2.5155e+00 -2.3230e+00 -1.0641e+01  1.7481e+00 -1.0509e+00
  3.1765e+00 -4.1706e+00 -4.3150e+00 -1.5335e-01 -2.1606e+00  8.3433e+00
```

```
 -4.1675e+00  1.1717e+00 -8.8807e+00 -8.9613e-01  4.2223e+00  4.3896e+00
 -2.0232e+00 -5.6209e+00 -3.0094e+00 -3.8138e-01  1.2572e+00 -1.1656e+00
  3.2346e+00 -3.4925e+00 -5.9333e+00 -5.4771e+00 -1.2307e+01  1.8042e+00]
focus [-1.1898e+00  5.0455e+00 -4.9750e+00 -5.3969e-01  2.0188e+00 -3.6430e-01
  1.3476e+00  5.5944e+00 -6.9976e+00 -9.3289e-01  7.1994e+00  3.5981e+00
 -7.0406e+00  3.8607e+00  2.9534e+00  6.8131e+00  7.1369e+00  7.5379e-01
 -5.5765e-01  4.2367e+00 -4.6502e+00  4.1300e-01  1.5297e+00  3.3486e-01
 -5.3915e-02 -6.1892e-01 -6.8286e+00 -1.1994e+00 -2.3558e+00  7.4025e+00
  5.0534e+00  1.2880e-01 -3.2516e+00 -1.6548e+00 -4.5941e+00 -2.9846e+00
  2.7898e+00 -3.7559e-01  3.8285e+00  4.6522e+00  8.5397e-01  4.4659e-01
 -6.9331e-01 -1.9296e+00  1.0648e+00  5.9374e+00 -3.8879e-01 -6.1290e+00
  2.5748e-01 -1.2745e+00 -2.0614e+00  4.7121e+00 -1.2806e+00 -4.1251e+00
  1.5233e+00  4.1167e+00 -1.0012e+01  4.3429e+00  2.5276e+00 -1.7505e+00
  4.6386e+00 -3.5954e+00 -3.6873e+00 -7.8196e-02  3.3339e+00  1.2167e+01
 -3.8620e+00 -5.0932e+00  4.2321e+00  2.9019e+00  1.7007e+00 -1.4124e+00
  2.5217e+00 -1.9504e+00 -3.4139e+00 -1.0639e+00 -2.6204e+00 -2.0096e+00
 -7.3760e-01 -4.5940e-01 -2.8279e+00  4.1645e-01  5.0928e+00 -1.9116e+00
  3.0774e+00  4.1743e+00 -8.5737e-01 -9.4434e+00  3.4914e+00  2.4102e+00
 -2.0974e+00  2.3376e+00 -2.8918e+00 -1.6346e+00  1.6920e-01 -4.0453e+00
  1.3480e+00 -5.2388e-01 -4.7065e-01  7.3112e-01  2.6279e+00  2.3498e+00
 -4.7241e-01  4.9979e+00 -9.9288e-01  5.3188e+00  1.7140e+00  4.5765e-01
 -2.3789e-01 -1.4876e+00  2.4536e+00 -3.3829e-01 -2.5526e+00 -1.2199e+00
  2.1747e+00  5.9833e+00 -7.9937e+00 -5.2539e+00 -2.1706e+00 -2.0665e+00
 -6.4497e+00 -1.9966e+00  1.1933e-02 -1.2726e+00 -2.3548e+00  2.1290e+00
  4.6166e+00 -8.3833e-01  2.1397e+00 -3.1582e+00 -4.9539e+00 -2.6668e+00
  5.7120e+00 -3.0636e+00  2.7592e-02 -2.8879e+00 -1.0262e-01 -3.0741e-01
  4.2176e+00 -3.0678e+00  2.9077e+00  1.1282e+00  3.3674e-01  4.5908e-01
 -2.6053e+00  8.3715e-02 -5.3562e+00 -2.4819e+00 -2.3635e+00  2.0403e+00
  8.4510e-01 -2.3279e+00 -9.4779e-01  4.2740e+00  5.7650e-01  3.5533e+00
  1.6500e+00  2.1625e+00  3.2090e-01 -2.0480e+00 -5.2956e+00  1.3291e+00
 -4.4170e-01  3.6744e-01  2.8207e-01 -1.6733e+00  1.0147e+00 -2.2166e+00
 -1.2704e+00 -4.4372e+00 -1.5574e+00  1.4604e+00  3.8734e-01  3.0188e+00
 -3.2259e+00 -3.3765e+00  5.9404e+00  5.9261e-01 -8.5489e-01 -5.8356e-01
 -2.8417e+00  4.6171e+00  8.4133e+00 -4.7744e-01 -5.9252e+00 -1.7717e-01
  3.5488e+00 -6.7585e+00  3.6267e+00  4.3228e+00  7.3416e-01 -3.0724e+00
  4.5584e+00 -2.1218e+00 -6.0853e-01  6.0573e-01 -5.5950e+00 -1.9643e+00
 -2.6739e+00  8.5844e-01 -4.5118e-02  1.9708e+00  1.0721e+00 -1.4993e-01
  4.5469e-01 -1.3514e+00 -8.6906e+00  8.6385e-04 -1.8845e+00  8.7099e-01
 -2.1802e-01  1.3360e+00 -1.7677e-01  2.8551e+00 -3.5803e+00  4.4193e+00
  4.3795e+00 -2.3010e+00 -2.2185e-01  2.4040e+00 -2.3702e+00  1.7518e+00
 -6.6564e+00  1.9178e+00 -2.9734e+00  4.1193e+00  2.4113e+00 -7.2279e-01
  3.6239e+00  2.0830e+00  5.5517e+00 -1.2741e+00 -2.9615e+00 -1.0000e+00
  4.4074e+00  2.5214e+00  7.1927e-01 -4.4674e+00  4.6163e+00 -4.5341e-01
 -3.9304e+00 -2.7106e+00 -1.7264e+00 -4.4358e-01 -5.2036e+00  1.6834e+00
 -6.4257e+00 -3.2922e+00  2.9214e+00  6.3719e-01  1.8480e+00 -1.9352e+00
 -8.7510e-01 -2.7912e+00 -9.6080e-02 -4.6945e-01  2.4193e+00  1.1983e+00
  3.4015e+00  3.9441e+00 -1.3579e+00  1.4911e+00  3.8016e+00  4.8026e+00
  8.0071e+00  1.4424e+00 -4.0083e+00  5.4539e-01  3.2722e+00 -2.4482e+00
  1.6217e+00  8.2060e-01  6.0727e+00 -1.6278e+00  2.4307e+00  6.4093e-01
  3.5467e+00 -2.8045e+00  5.2476e-01  1.5589e+00  4.6308e+00  1.0152e+00
 -3.2746e-01 -1.0503e+00  1.7022e+00  3.9729e+00  1.5120e+00 -2.7689e+00
 -2.4433e+00 -2.6113e-01  2.1850e+00 -2.1364e+00 -6.0570e+00 -1.2415e+00
 -2.3159e+00  6.3771e-01  5.2338e+00 -2.2279e+00 -5.7820e+00  1.9094e+00]
remains [ 1.1783    1.9468   -0.38354  -0.13223   7.9973   -1.7317    2.2574
  4.6674    1.1262   -4.8891    5.6823   -2.486    -3.4345    0.90276
 -0.76593   2.3062    1.0323    0.096216  0.99826  -1.2829    3.8375
 -3.6267   -5.7379    3.0876   -2.6448   -2.182    -1.4662   -3.1729
 -0.49238   0.24091   1.9664    4.4888   -3.6967   -4.5463   -2.6194
 -0.31472  -2.9007    4.0319    0.25497  -1.54      1.4084    2.1344
  0.10259   1.5948    1.4207    3.5556    2.8521    0.73342   1.4902
```

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 4.8144    0.16847   1.2456    3.255    -2.6532    1.373     0.046244
-0.012876  0.075995  2.6517    1.2033   -0.94158  -2.7999    0.32444
-2.0051    0.34116   0.34445  -1.3194    2.5059    2.8808    1.0412
 0.4059   -0.96007  -3.2177    1.2713    0.3259    3.8694   -4.0821
 4.0708   -4.6732    1.8552   -3.8805   -1.5658    1.2045    0.049703
 4.1549    1.3106   -1.8875   -1.3653    1.8769    0.28236  -0.97568
-0.86058   1.9976   -2.9355    0.81817  -0.58999  -1.094    -0.18752
-0.56713   0.64564   0.48147  -1.4438    2.2884    2.4107   -1.1672
 2.9527    5.0559   -1.7445    0.96112  -3.4563    1.1809    1.2862
-4.0894    0.51461   0.77328   2.4152   -2.7929    0.72306  -1.1767
 4.9099   -0.60135  -0.2389    1.8419    1.9288   -5.0769   -5.1239
 0.82904   0.16596   5.9335    0.95653   0.51792  -0.98831   5.5586
-2.826     3.1058    0.59612   0.70949  -4.7561    2.2738   -0.78162
 0.86124  -1.4618    0.35368   1.0149    5.7487   -0.92629  -7.5773
 0.088146  0.29476  -0.88721   2.5785   -0.17952   2.9988    0.19146
 0.91411   1.5917    4.3017    0.28781   3.7911   -4.0503    1.7408
-1.5937    0.99557   0.46628  -3.8902   -0.98897  -4.5777    3.0773
-0.57268   2.2639   -0.92966   1.3386    3.7372   -3.0336    1.0832
-2.3226    0.18893   0.87948  -3.9039    1.9025   -0.58964   1.3736
-0.37581   2.5902   -1.5938   -1.4497    0.35669   3.9202    0.96209
 1.8188    4.3127   -1.6745    1.8614   -1.6122   -2.5935    1.4088
-1.4327    2.0543    2.2233   -0.375     1.4153   -5.1809   -0.57394
-2.2124    2.0907   -0.46685  -0.4542    0.24198  -0.67851   2.1407
 0.22373   1.9958   -2.5953    4.0303    0.60764   4.1527   -0.30769
-1.7146    1.7365   -1.9028    0.16315  -0.47469   0.09707  -3.1345
-0.52705   1.5963    0.23192   1.4168    3.1234   -0.59992   5.775
-2.4189    0.75902   4.3466   -0.15392   6.654    -0.34657  -1.3876
 4.2013    0.21698  -2.4932   -0.14311  -0.51908   1.5507   -3.0495
-2.3122   -3.6424    0.67427   1.6709    4.4297   -0.089653 -4.7106
-4.6202    0.62045   1.678    -4.0391   -0.044714  0.88154   5.8939
 0.13154   0.78586   3.0548    5.4101    2.4778    0.40498   2.5028
 1.1802    0.53518  -5.4302   -0.224     0.89886  -0.96884  -1.8053
-1.988     3.5113    1.9974    0.91932   0.23502   1.8797    4.2875
 5.8288    0.16747  -2.3768    0.029352  5.0461   -0.45729   3.3975
 0.16251  -0.43057   1.5165    4.1889    0.98021  -0.92879  -0.19311
-0.58198   3.2838   -1.4197   -1.2006   -1.5165    1.4987  ]
steadfast [-0.30547   1.7861   -1.6404   -0.41399   1.5038    1.0382    1.8727
-1.4817    1.3191   -1.2157    3.3921   -0.59913  -0.62963  -0.92165
-0.5997   -1.7473    0.14959   0.42494  -2.1897    2.0394   -0.98367
-0.15065  -1.6437   -1.2122    1.0237    0.10043  -0.64634   1.8292
-2.6948    2.2993    2.1582   -0.56524   0.74861  -2.8384   -1.4699
-1.012    -3.7779   -1.5685    3.6912    0.74057  -1.109     1.8515
-1.3296    1.0424    0.19742   0.049598 -2.0887   -0.8902    0.63944
-0.51132  -0.35219   1.8282   -1.9166   -0.23602   0.31913  -1.1956
-0.75907  -0.55741  -1.3757   -0.078889  0.10989  -2.0573    2.7303
-0.92884   0.27531   0.58912   0.030717 -3.1592    2.2019   -0.15974
 0.4915   -0.24094  -0.30041  -1.7909   -0.99812   0.56874  -2.0146
 4.6645   -2.0941    0.33964  -1.2001   -3.6878   -0.54757  -2.5063
 0.19345   1.2079    0.81573   1.857    -0.66974  -1.6056    1.5841
 1.5298    0.018537 -5.8102    1.9983   -3.0288   -0.80106   0.026209
-2.2637   -0.90736   3.1793    0.7      -0.79954  -0.10258  -2.9279
-1.4389   -0.16507  -1.8405   -0.93129  -0.45023  -0.058017  0.51297
-0.2294    1.0734    0.90837   2.6722   -1.8036    0.49694  -0.77365
-0.12531  -3.0562   -0.46368  -0.80617   0.75044   0.065152 -0.013931
 2.2371   -1.5883    1.3828    1.1303   -2.1135   -0.93332   1.1692
-2.2961   -1.7409    3.4381   -3.4599   -0.78431   1.2885   -1.6486
-1.8129    0.3802    1.846     0.75031  -1.2671   -0.85913  -2.8371
 1.0952   -4.5051    0.43138   1.3525   -0.56045   0.012326 -0.11826
-0.49616   5.5917    0.32226  -3.088    -2.6742   -0.58907   0.78355
-2.4343   -0.91626   1.0742   -1.5022   -1.4458   -1.3435   -0.015777
```

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 -2.5397   -0.72129   3.7825    0.23535   2.2947   -0.6035    3.2783
 -0.81742   1.8652    3.4086   -0.34068  -0.68085   2.556    -0.47529
  0.91549   1.2975    3.1496   -0.62855  -0.85998  -0.65188   2.3055
  3.8987    1.0666    1.4557   -1.4892    1.2153    0.47359   0.11258
 -2.6265    1.2081    2.1651    0.59883  -0.40964  -3.5021   -3.8268
  2.7346   -2.8705   -0.56222   1.9699    1.0618   -1.7372    1.1917
 -0.51061   2.1698   -0.15591   3.2454   -0.51779   4.3578   -2.4751
  3.1942    0.80119  -2.9905   -1.8272    0.20629   2.9315    2.0841
 -1.657     1.4524   -2.1568   -0.087595  2.224     0.38214  -2.7823
 -0.52235  -1.8446   -1.5106    0.34571   3.0433   -1.5304   -0.25664
 -1.5045    1.3189    1.0272   -0.78486  -0.34463  -2.8162    0.52071
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 -1.2995    0.95417   2.3965   -2.4285   -1.2363   -0.17932  -0.33702
  2.0882   -0.084995 -0.78411   1.5567   -0.42924   0.1811    1.9165
  2.6481    0.90509  -3.6932   -1.1978    2.5131    1.6278   -1.5048
 -1.2478   -2.4367   -0.50083   1.9759    0.70846   2.1682    3.0441
  2.0826   -2.5672    1.9429    1.3283    0.55489  -1.7069    2.7225
 -0.31096   1.6775   -0.066718  3.2231    0.69373  -2.8899   -3.4284
  2.4606   -1.9434   -1.3603    1.1005   -5.0328   -0.55067 ]
on [ -5.1644     0.37588  -12.979      6.4501    12.282     -6.894
  -2.1295     6.3783     6.8268    -1.9674    -3.0459    15.604
  -4.4114     2.6695     6.5306     7.9306     6.462     -4.5929
   6.6779    -3.3701     0.7235   -14.288     11.688     -1.5876
   4.6762    -0.12351    0.40614    1.6251    -9.0457     2.2636
  -9.9742    -0.99827   -7.3057   -16.441     10.57      -8.9467
  -6.1169     1.0966     1.1533     5.0548     6.9433     2.7976
   4.0385   -10.254      1.6543    -2.6761     9.4312    -6.7178
  -1.1029    12.858      0.16087    1.9361   -20.521     -9.4667
  -3.79       7.6723     4.1902     4.4285    -7.7376     8.0799
 -13.336      4.2537     0.6928     5.3262   -12.469     -6.8207
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  -2.4303    -4.8778    -1.9376     0.19282   -4.9268   -10.487
   6.6852    -8.0822    -1.1265     4.6279    -1.0307    -2.5203
  10.88       8.8841    10.141     -1.8135    -0.99151    1.7099
  -4.9591   -13.291      8.7431     5.3298    -7.1581    -5.6555
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  -0.96731   -5.0771     7.6998   -12.223      2.9264     5.1296
  10.782      1.5613     5.2318    -6.3391    -4.2381     3.8213
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   4.5106     1.5482     7.0571    -4.4808    -5.1193    -3.8884
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  -3.7548    12.328     -3.8103    -5.1119    -1.6713    -0.29489
  -0.83736    1.7867    -2.6334     8.4909     1.1187   -11.104
  -1.1288    -0.4442    -7.2217     4.8274    -7.3283     6.6037
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   6.2328     3.1725    -7.438      3.9426    -4.1872    -2.1013
  -5.882     -5.9477    -2.2833    -6.6005    -5.1908     2.3649
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  -1.3297     7.8634    -4.4486     8.4561   -10.377      0.37455
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 -11.873      0.32242   10.403     -0.083841  -5.4552   -11.212   ]
ensuring [-2.159    -1.3073   -1.5546    2.7923    6.5651   -0.21489   0.075238
  3.1152   -2.4035   -2.0837    6.0803   -0.096821 -3.588     2.105
 -1.085     0.18631  -0.97249  -2.3346   -5.075     1.5636    0.6109
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  1.4376   -1.7953    0.86946  -2.793    -1.2301   -1.0903    3.8683
  0.79397   3.4419   -1.536    -3.6009   -0.45895   1.0759   -1.5239
  1.6288    0.37748  -4.9274   -0.18804  -4.073    -1.4526    0.13193
 -0.95426   4.4009    6.1519   -2.3626    2.2034    6.0132    1.835
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 -0.058746 -2.1616    0.62969   2.1246    1.9995   -2.4449    2.3094
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 -6.4807   -0.48311   3.4508   -4.4228    7.0265   -3.2035    2.6519
 -1.38     -2.6122    5.2822    3.5488    4.4193    3.5364   -0.24717
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 -2.2483e+00 -1.3252e+00 -9.1237e-01  6.0504e-04  1.7259e+00  1.9323e+00
 -2.2361e+00  2.1703e+00 -2.1977e+00 -2.6252e+00  1.0330e-01  6.5706e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
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  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
minimizing [-1.2532e+00  9.6507e-01 -2.8358e+00  1.5895e+00  2.1798e+00  6.4938e-01
  1.1912e-01  2.7738e+00 -2.1187e+00  1.4839e+00  4.3063e+00  7.3726e-01
 -2.9421e+00  2.0689e-01 -9.1461e-01  1.5696e+00 -3.4090e-01 -3.9481e+00
 -3.0072e+00 -2.9331e+00  8.7907e-01  1.6507e+00  2.5629e+00 -5.8595e-01
 -1.1213e+00  1.3120e-01  2.4217e+00  2.0812e+00 -3.2084e+00  2.5037e+00
  3.4620e+00  9.4443e-01 -3.3364e+00 -1.4276e+00 -2.6473e+00 -3.5781e+00
  3.1352e-01  8.5421e-01  3.2524e+00  2.8247e+00  2.3181e+00  2.6947e-01
  3.0932e+00 -1.4793e+00 -4.2673e+00  1.9973e+00  3.9469e+00 -2.9352e+00
 -4.0805e-02 -9.4300e-01  2.7483e+00 -1.7209e+00 -1.8420e-01 -3.9633e+00
 -3.5725e+00  3.7269e+00 -1.1825e+00  3.4817e+00 -4.3674e-02 -9.0014e-01
  2.2514e+00  9.8833e-01 -5.2844e+00 -3.1782e-01  3.7074e-01  2.3920e+00
 -9.4325e-01 -2.2960e+00 -5.9121e-01  4.1705e+00  5.8841e-01 -2.6209e+00
 -2.4093e+00 -1.5095e+00  1.5388e+00 -8.1399e-01 -8.1963e-01 -3.5930e+00
 -3.9512e+00  1.1465e+00 -3.1508e+00 -1.7397e+00  1.1781e+00  7.5008e-01
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 -1.0828e+00  2.3239e+00 -2.4669e+00 -2.1276e+00  1.8612e+00 -2.4405e+00
  3.1895e+00 -1.7502e+00 -2.7859e+00  6.0746e+00 -1.9729e-01  3.3035e-01
  7.7390e-01  2.4194e+00 -4.3990e-01  4.5174e+00 -1.6211e+00 -1.6670e+00
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  1.6373e+00  4.8528e+00 -1.3666e+00 -1.6300e+00 -2.1569e+00 -1.4286e+00
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  2.2744e+00  4.7542e-01 -6.0136e-01 -7.4399e-02 -3.4730e+00  3.8971e-02
  3.7411e+00 -4.1752e+00 -3.4147e+00  2.1405e+00 -4.5113e+00  4.0672e+00
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 -1.3796e+00 -8.3347e-01  2.4810e+00 -5.9426e+00  1.6666e+00 -9.0040e-01
  1.2241e-01  4.8213e-01 -3.6116e+00  3.7872e+00  8.3147e-01 -1.2951e+00
 -4.0282e-01 -5.3648e-01  1.8144e+00  8.6727e-03 -1.4687e+00 -1.3475e+00
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  7.1211e-01 -1.0910e+00 -4.0403e+00  1.3192e+00 -2.7747e-01  2.1693e+00
  1.9281e+00  1.4512e+00 -1.1311e+00 -1.7199e+00 -4.9229e+00  2.9033e+00
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 -3.4163e+00  2.7367e-01 -1.2195e+00 -3.4030e+00  9.2564e-01 -2.9978e-01]
risks [  4.8929     0.72772   -3.2309     0.71077    5.4194     9.7466
  -2.5271     3.3793    -0.73587    1.0242     2.4743    -1.3947
   0.05724   -0.77621   -5.4445    -0.74509    4.6274     0.072768
  -6.464      1.5161     2.0103    -0.082049  -8.3032    -3.0616
  -8.1344     1.1931    -0.9085     0.96737    2.4668    -0.30917
   2.5197     1.066     -3.7942     1.2492     5.1232    -2.9228
   2.297      6.5101    -0.28137    3.3692    -0.31221    3.878
   0.41619   -0.33523  -11.731      4.009      4.4615    -5.4418
   1.3838     3.2368     3.8147    -3.8885    -2.016     -8.414
   0.22746    9.5539     1.535      1.8049     5.1243    -0.45355
   5.1805     1.2301    -4.379     -2.6307    -1.1528     2.1856
  -3.6171    -7.309      4.4408     4.8427     1.321      1.5497
  -1.9884    -1.5437    -8.1901     1.9981     3.5378    -1.3946
  -1.1322    -4.9629    -0.57745   -3.2941     3.9769     5.6886
   2.0263     0.34388   -9.6208    -5.0512     1.8854     4.5931
  -0.77298   -1.6815     0.64805   -3.5823     3.1551    -4.8682
  -2.292     -1.1991    -0.66393    4.6421     6.3655    -1.8238
   1.7135    -1.2203     2.2564     8.2114    -1.4104    -8.3485
  -2.574     -6.4876     5.9816     4.3966    -2.7822    -2.2408
   3.5153     7.3823     3.0565    -0.29298    9.1694    -0.051144
   1.106      0.012692  -2.8027    -5.3798    -5.3395     0.49994
  -0.90321    1.6475     0.73276    0.87403   -0.72649   -1.774
   2.5242    -4.5226    -0.80127   -3.2487    -3.6003    -2.5613
   3.401     -5.1785    -0.67592   -4.5038     2.129     -1.1164
  -0.27398   -1.9936    -3.2451    -5.4484     1.0173     0.36186
  -2.9257     1.981      2.5291     3.38       0.39591   -1.9889
   1.7342    -2.1504     3.5721    -1.971      2.3692    -6.3707
   0.87567   -2.8784    -6.9115    -9.9489    -3.4152     3.1314
  -0.2496    -4.5885    -3.1794     0.20278    4.5072     2.1333
   1.1249     2.077     -1.3393     2.5378    -2.2365    -3.8611
  -0.55564    0.36441    8.5605    -2.2821     0.077132   3.2929
  -0.86368   -3.1861    -1.2134     4.8523    -0.63335   -0.59308
   2.666     -4.7309    -3.9627     0.2627    -0.27606    3.7904
  -7.8132     1.0055    -0.95903    0.02152   -0.086411  -6.3766
   5.4647    -0.60285   -1.9019    -1.7997    -4.5916    -1.6421
  -0.24951    3.6002    -3.3977    -1.6484    -2.8564     6.1026
   0.54663   -8.0746    -1.6855     1.0518     2.2609     1.1046
  -1.3564    -1.1421     4.0122     1.2855    -7.616      3.0136
  -2.9136    -0.62612    1.5509    -4.7988    -2.3742    -1.0207
   2.0759    -1.8632     0.66718    5.076      5.3489     1.302
  -4.6319     4.5271     6.5027     1.2973     0.09176    1.2178
  -2.6278     3.4372    -1.594     -1.6683     1.6455     4.2269
  -3.7993    -4.5356     4.9342    -7.8882     0.63173   -1.1697
  -0.85496    5.1799    -4.1163     7.9518     8.8833     2.0014
  -0.27207   -0.17268    1.3536     3.6584    -0.10037    2.2239
  -0.26135   -0.095878   2.9263    -1.7011     2.0764    -1.258
  -2.5308    -2.5053    -3.9754     0.96577    2.7934    -3.7664
   0.22932   -0.97052    3.0409    -0.7301    -2.0484    -0.94955
  -5.2375    -1.7475     1.4425    -7.1272     6.2059    -0.10609
  -3.0941    -2.0173     3.6789    -2.6698    -1.5317     4.184   ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
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```

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  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
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  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
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  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
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  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
responsibly [-2.1442    0.58512  -2.6965   -1.6536    5.0151    1.7962   -0.89602
  3.4172   -0.94495  -1.8927    3.4022    1.6593   -4.5847    3.5986
 -1.2656    2.596     2.5777   -3.4749   -0.35068   2.6216   -2.0226
  0.47066  -3.7638    1.618    -0.97551  -1.2139    0.060835 -0.53754
 -0.61636   1.3428    3.3806    2.8991    0.70211   0.6558   -0.86816
 -2.7697   -0.59473  -0.42885   2.8718    1.7311   -2.7751    0.50465
 -1.9535    2.407    -5.1833    3.0516    3.414    -4.9793    0.11029
 -0.82427   0.42542   2.7943   -0.54034  -4.3198   -1.3194    0.18556
 -1.7866    0.49805  -0.42299  -2.5186    2.7196   -1.0286   -2.5584
 -0.017131  0.85241   3.3265   -2.9336   -4.1714    2.8498    2.8785
 -0.5063    1.4407   -2.27     -2.0168    0.51685  -1.7305   -2.1768
  4.1542    0.94238   0.16795  -2.7293   -0.58879   1.0574    3.7968
 -1.8332    1.711    -5.9291   -3.3743    1.7898   -2.1949   -0.069008
 -2.4374   -0.70549  -2.6852   -0.15303   1.7879    0.21749   2.4013
 -0.59403   1.2954    4.1052    2.7416   -0.83748   1.3731    0.099865
```

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 6.6703   -1.9607    0.24631   0.72805  -3.6223    2.5755   -2.2306
-0.97059  -2.1017    2.0478    4.3478   -1.6781   -0.40698  -0.14341
-0.5176   -2.1858   -2.0485    3.1738    0.42629  -0.96277  -1.848
 3.0126   -1.8235    4.688    -4.0434   -3.49      0.14916   2.679
-0.027005 -0.89265   2.2902   -0.64732  -2.2318    2.1191   -2.5874
-2.681     0.36687  -1.2375    3.0843   -0.77433   1.7516   -2.6119
-2.7168    0.070711  1.3898    1.5395   -0.5918    2.5631    1.7158
-0.39026   0.10039   3.0344   -0.67824  -3.9307   -3.9555    1.5761
-2.1692    0.60067   3.702    -1.2364   -1.2172   -2.3189   -0.55684
-0.70272  -1.66      0.64173  -0.82016   3.5861   -0.86565   1.9425
 1.7411    3.2382    0.64193  -3.1496    0.78775   0.13455   2.5471
 1.8933   -1.7936    0.93656  -1.2913    1.0682    0.24831  -0.10972
 0.32807   2.5696   -1.4695   -0.46697  -1.1353   -0.64342   1.4971
-5.3275   -1.9725    0.30996  -2.2533    0.080738 -0.46317  -0.68594
-0.089312  3.7507    0.64824  -4.4119    3.1637   -0.50174   2.3414
-0.35037  -0.82043  -1.1565   -0.44002  -2.41      4.6245    4.3154
-3.5497    4.01      0.93841  -2.97      1.4806   -1.704    -0.52631
-1.6815   -0.90132  -3.089    -0.47541   2.8503   -0.58068   0.49533
-2.3527   -2.9106    2.4427    6.1999    0.6832   -0.69905   2.4829
-0.65702  -0.23625   2.1827    0.36439   3.2065   -2.0805   -2.7416
 1.4084   -4.4514    0.52806  -0.49697   4.7653    4.8187   -3.9706
-5.0372   -2.2562    3.7753   -5.9311    1.6974   -2.0467    0.067218
 3.3401   -1.3885    5.5582    1.9969   -0.32544   1.7877   -0.68715
 1.4318    1.0337   -2.7567    1.145     2.2623    3.6532    4.6041
 0.51328   2.3956   -0.33924   2.6804   -2.6537    1.7572    4.3915
 3.6787    0.20617   2.7505    0.056597  0.90131  -2.06      2.5551
 2.4098   -3.9071   -0.37891   1.4082    0.28413  -2.0104   -1.8313
-6.4581    0.58756   0.33727  -2.8963    0.91684   2.0434  ]
integrating [-2.4824e+00 -2.0192e+00 -6.1423e-01  1.7008e+00  2.8203e+00 -6.7818e-03
 1.9877e+00  4.5289e+00 -4.9313e+00  5.0261e-03  7.8194e+00  3.9807e+00
-6.7677e+00  3.8167e+00  1.4361e+00  3.3694e+00  4.2174e+00  2.9186e+00
-3.8242e+00  2.4449e-01  4.8416e-01  1.7718e+00 -4.7172e-01 -1.9080e-01
-3.4310e+00 -3.1619e+00 -2.7514e-02 -3.3342e+00 -1.7655e+00  4.2315e-01
 1.4737e+00 -5.6927e-01 -1.9192e+00 -1.9764e+00  2.5043e-01 -2.2444e+00
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 4.2974e+00  3.9375e+00 -3.5051e+00 -5.9524e-01 -4.4057e+00 -2.6536e+00
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-2.5593e+00  5.7028e-02 -7.2301e-01  8.1324e-03 -5.8880e-01 -3.0990e+00
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  2.8367e+00  2.1265e-01  1.1668e+00 -3.3587e-01  8.0121e-01  2.6304e+00
 -3.9134e+00  3.1945e-01 -1.6007e+00  1.3830e+00 -2.2494e+00 -2.0713e+00
  8.2976e-02  7.3643e-01 -1.3892e-01 -4.1417e+00  2.7180e-02  1.6443e+00]
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 -11.367     -1.6455     6.2817    -2.6077     2.3773    -6.0858
  -2.3323    -2.2271     2.514      0.74027   -0.61719   -5.2908
  -1.8503     0.69655   -1.323     -0.81414   -2.3886     2.3379
   7.7424    -2.5483    -2.0503    -2.8907    -2.2929    -5.5166
  -1.3744     3.4311     4.9319     3.3497     5.0094     2.9102
  -0.97246    1.9543    -1.5288     2.2835    -1.1038    -3.0424
  -2.623      5.8792     0.19914    4.9827    -2.4696    -8.4978
  -5.0839     2.2187     0.64335    4.4034     2.6503    -1.9513
   1.6934    -0.062295   0.10064   -5.4759     6.444      3.4594
  -6.2461    -5.3922    -1.7475     2.0356    -1.2029     0.13996
   1.4882     0.020299  -3.1504     1.054     -4.1305    -4.2132
   0.45348    2.3944    -6.0968     2.8628     2.4626     3.0121
   5.3863    -1.1377    -1.8822    -3.2234    -0.7572     6.3912
   0.12742    4.9        3.3377    -6.6451    -2.1666     0.42294
   6.6397    -1.15       3.8764     3.0137     3.643      3.8146
   1.0019     0.81219   -4.9656     5.0564    -0.81348   -2.8199
  -0.040099   1.1936     6.1923    -1.4947    -1.2153    -2.8135
  -1.1287    10.569     -0.92952   -0.94724    0.84334   -3.6504
  -5.0249     1.7579    -4.2042     0.12346   -2.9606    -6.4177
  -1.986     -5.2671    -0.21012    1.9232    -1.4384    -2.4956
   1.5718     2.1161     0.58676    5.808     -4.2003    -1.6515
   4.9751    -6.2657    -1.8031     0.61879   -2.1269    -1.0174
  -2.8394    -4.8152    -2.0641     0.82169    0.10251    0.45392
   1.3008     7.2228    -2.7693    -3.4533    -0.5312    -1.6377
   2.6403    -2.3208    -3.283     -0.99861   -3.3832     0.67931
  -0.77774   -0.73231    2.062     -0.58685   -4.1302    -0.18626
  -0.76828   -0.82327   -0.44564   -0.95314    5.5999    -0.88146
   1.5595     2.3386     2.7713     4.5641    -1.9346    -5.4616
   0.80225   -5.1606     2.9244    -0.41205    4.0682    -0.49794
  -6.0049    -3.7752     1.997      2.0438    -2.5891    -2.6997
   2.1335     2.9025     1.434      2.9955    -5.1377     0.75351
   1.2004     5.1294    -2.2264    -4.7792    -0.77179   -1.4611
   7.8326     1.6123    -2.1725     2.219      7.049      1.8863
   1.9909     0.3496    -1.442     -1.893     -4.3008     3.122
   1.5414    -6.0208     1.7175     2.0416     1.1752     8.5222
  -2.2575     2.2487    -2.8849    -1.8441     0.68718    2.9809
   4.7007     2.3        0.38247    1.5767     1.1619     2.4291
   7.9961    -0.28581   -1.3678     6.8643     1.0302     2.6921
  -3.0015    -1.6747    -5.0243     1.9188    -1.3092     4.5663
  -1.0202     4.2393     5.1584     4.1371    -0.7519    -1.2347
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  -0.26588   -4.4702     0.3013    -2.6826    -1.7692    -3.3644
  -2.2119    -2.8139    -2.555      3.0777     1.9404    -0.72562
   1.3923     2.1837    -3.3973    -2.9619    -1.1546     5.5718
   2.0861     1.2475     2.7624    -6.7266     1.0943    -1.8982
  -1.7306    -1.3241     0.05176   -5.3527    -4.858      0.41837 ]
technologies [ 9.7427e-01  2.4643e+00  2.0816e+00  3.5858e-02  1.5908e+00 -9.6500e-01
  2.8646e-01  5.6293e+00 -3.5191e+00 -1.9947e+00  5.5307e+00  3.4564e+00
 -5.2876e+00  2.4726e+00 -6.7172e-01  3.2100e+00  4.5189e+00  4.2472e-01
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  3.0540e+00 -2.8874e+00  1.7570e+00  2.2436e+00 -4.3996e-02 -5.8402e+00
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  2.5902e+00 -2.2718e+00  1.8812e+00  2.8535e+00 -1.9621e+00  1.5871e+00
 -1.8071e-01 -4.8047e-01 -9.7904e-01 -1.8505e+00 -2.4412e-01  1.2283e+00
  4.7800e+00 -2.0537e-01 -5.2307e+00  9.1373e-01  1.2733e+00 -3.4592e+00
  1.7427e+00  8.2912e-01 -9.2967e-02  1.7984e+00  1.7966e+00  2.4046e+00
  3.9401e+00 -5.5100e+00 -2.2679e+00  2.0151e-02 -1.3899e+00  2.8228e+00
 -9.1190e-01 -1.8914e+00  2.3998e-01 -1.6495e-01 -7.5336e-01  6.7554e-01
  4.1313e-01 -2.0532e+00  3.5242e+00 -1.8651e+00 -4.3903e+00  1.5736e+00
  4.0483e+00  3.2639e-01 -1.2465e+00 -2.7800e+00  4.8633e+00  2.2834e+00
 -5.1649e+00 -1.4182e+00 -2.1166e+00 -2.5797e-01  2.4379e-01 -1.1069e+00
 -2.7321e+00  3.6723e+00 -2.7789e-01  7.5071e-01 -6.7457e-01  1.9123e+00
 -4.1997e+00 -4.2111e+00 -1.3780e+00 -9.1652e-01  1.2601e-01  1.1729e-01
 -1.6523e+00  2.0340e+00 -1.9738e+00  5.2624e+00  5.4393e+00  1.3909e+00
  1.1656e+00 -9.8924e-01 -5.2646e-01  4.6943e-02  1.6486e+00 -9.0942e-01
 -1.2520e-01 -2.1684e+00  1.2610e+00 -9.5252e-02  1.7013e+00 -3.5952e+00
  3.6200e+00 -3.7575e+00  1.1489e+00 -4.3037e-01  4.7929e+00  1.9706e-01
  3.2487e+00 -5.9439e-01  2.3851e+00  2.0064e+00  1.3581e+00  2.6075e+00
 -3.4109e+00  9.6684e-01  1.8600e+00 -1.5555e+00 -7.7736e-01  1.0150e+00
  9.2859e-02 -2.2162e+00  3.6921e-01 -4.5184e-01  1.9355e+00  5.2143e+00]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
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 2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
 1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
-0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
-2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
-4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
-2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
-2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
-0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
 6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
 2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
 3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
 1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
-0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
-3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
 6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
-4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
 0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
-4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
The [-7.2681e+00 -8.5717e-01  5.8105e+00  1.9771e+00  8.8147e+00 -5.8579e+00
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 4.1630e+00  8.0338e+00  3.8102e-01  8.2656e+00  9.7061e-01 -5.0807e+00
 4.9522e+00  7.5018e+00  3.8305e+00 -3.3233e+00  4.9126e+00  2.4189e-01
 3.8218e+00 -3.9717e+00  2.4691e+00  1.3721e+01 -8.9664e+00  1.0610e+01
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  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
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  3.1117e+00 -3.7299e+00  3.6562e+00  2.4320e-02 -7.2283e-01  2.6361e+00
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 -2.2500e+00  1.8408e+00  4.7128e+00 -4.8705e+00 -6.4452e+00  2.2874e+00
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  4.5178e+00 -1.8245e+00  2.6343e+00 -6.7060e-02  3.1204e+00  3.8319e-01
 -1.4912e+00 -4.2240e+00  1.9011e+00 -4.5864e+00 -3.5941e+00  2.8858e-01
 -8.2819e-01 -7.2366e+00 -1.6052e+00 -3.9903e+00 -4.6985e+00  6.7232e+00]
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  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
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  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
```

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   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
defense [-2.8380e+00  1.8444e+00 -4.9189e+00  3.3119e+00  6.4726e+00  5.7968e+00
 -2.9547e-01  3.1433e+00 -3.2767e+00 -4.1807e+00  4.1064e+00  4.1060e+00
  7.5219e-01 -6.0618e+00 -5.3894e+00  2.6421e+00  2.5657e+00  1.4450e-03
  1.6916e+00  2.0518e+00  6.3413e-01  3.6439e+00 -1.0390e+00 -2.3769e+00
  1.9901e+00 -2.4477e+00 -1.0227e+00 -2.3037e+00  1.0545e+00 -4.9473e-01
  5.9119e+00  6.4810e-01  4.2059e+00 -1.6217e+00 -2.2373e+00 -4.7527e-01
 -1.5157e+00  1.3558e+00  3.6511e-01  1.4511e+00  1.1119e+00 -2.8429e+00
  2.5227e+00 -2.2551e+00 -4.0857e-01 -1.3809e+00  1.0808e+00 -1.7659e+00
 -1.2098e+00  1.0802e+00 -1.6816e+00 -7.6995e-01  5.3965e+00 -3.0304e+00
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 -8.0421e-01  1.0422e+00 -2.8801e+00 -5.1420e+00  6.0908e-01  2.3181e+00
 -3.7637e+00 -2.2895e+00 -1.9390e-01  3.5159e+00  1.5005e+00 -3.8121e-02
 -5.5123e-01  1.8333e+00  1.6369e+00  2.1399e-01 -3.7192e+00  3.1323e+00
 -3.0737e+00 -2.8001e-01 -4.1721e+00 -5.6270e+00 -4.3270e+00  6.0706e+00
 -1.3450e+00  2.5631e-01 -2.3212e+00 -2.1269e+00  2.1706e+00  1.6137e+00
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  5.5683e+00  5.1937e+00 -3.4121e+00 -3.7017e+00 -1.2420e+00  3.4148e-01
  3.0518e+00  3.0771e+00  1.8168e+00  3.4122e+00 -1.6339e+00  2.4800e+00
 -5.5488e+00  6.6421e+00  1.4703e+00  2.0042e+00 -2.6907e-01 -4.5056e+00
  2.9366e+00 -5.2771e+00  2.4248e+00  8.9449e+00 -1.7505e-01 -1.1585e-01
 -8.8599e+00  2.8902e+00  4.3159e+00 -4.4664e+00 -3.3934e+00  1.1727e+00
  1.2595e+00  2.5655e+00 -8.2546e-01  6.9708e+00  8.0894e+00  3.3817e+00
  4.6546e-02  3.2274e-03  6.2417e+00  3.6139e+00 -1.1492e+01  4.2921e+00
  2.2223e+00 -5.6454e-01 -4.2638e-01  5.5711e+00  4.1937e-01 -5.1235e+00
  3.1391e+00 -8.8556e-02 -4.1531e+00  1.2199e+01 -3.7532e+00  4.3789e-01
  6.6520e-01  1.0485e+00  7.1774e+00  7.5269e-01  9.5344e+00  4.7190e+00
  7.7079e-01  1.2482e+00  3.3837e+00 -1.5505e+00 -9.4393e-01 -1.9455e+00
 -2.6790e-01 -2.4942e+00  5.0019e+00 -1.3545e+00 -1.3072e+00  1.0531e+01]
just [-1.9648e+00  3.0566e+00 -3.1023e+00 -1.7353e+00 -1.1843e+00  1.6404e+00
  2.7836e+00  3.4439e+00 -3.2598e+00  2.9251e+00  3.2638e+00  2.6979e+00
 -2.6908e+00  7.2974e-01  1.1149e+00 -3.0286e+00  1.5749e+00 -4.8234e+00
 -1.3681e+00 -2.9615e+00  1.8230e+00  1.6399e+00  6.8448e-01 -4.7081e+00
 -2.6035e+00 -3.6401e+00 -3.0619e+00 -1.9026e+00 -1.4467e+00  3.3483e+00
  1.1659e-01 -3.1813e+00  2.6259e-01 -4.0939e+00  4.2809e-01 -1.4190e+00
 -2.2335e+00  9.6884e-01  5.0377e+00  2.6653e+00 -1.8311e+00 -6.8003e-01
  1.9787e+00 -1.2396e+00  1.1168e+00  2.0948e+00  1.8740e+00 -7.7629e+00
 -2.3884e+00  3.4450e+00 -2.3602e-01  1.0383e+00  1.5391e+00 -4.3949e+00
 -2.8645e+00  7.9483e-01  2.9099e+00  4.0107e+00  2.0863e+00  2.6584e+00
  1.3053e+00  1.9600e+00 -1.1033e+00 -2.9323e+00 -2.0540e+00  1.3037e+00
 -5.2958e+00 -1.7801e+00 -2.7631e-01  3.1069e-01  9.3391e-01  5.0193e-01
  2.7497e+00 -1.1280e+00  7.3695e-01  2.3058e+00 -2.9744e+00  2.8294e-01
  2.3544e-01 -2.1905e+00 -5.5190e+00 -1.7916e-01  5.9227e+00 -2.0990e+00
  2.6168e+00 -1.9789e+00 -1.3927e-01 -2.5441e+00 -4.4452e-01  5.4450e-01
 -3.2897e+00  4.4226e+00  2.4411e+00 -3.2455e+00  7.5178e-01 -7.7619e-01
  3.2558e+00 -2.5304e+00  5.3914e-01 -5.0555e+00 -3.5527e-01  4.0012e+00
  8.0276e-01  1.3975e+00 -1.9920e+00  1.6371e+00 -4.0766e+00  1.1627e+00
 -2.0859e+00  4.9476e-01 -2.0334e+00 -3.1705e+00  2.1843e+00 -1.6920e+00
```

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 -5.5221e-01  2.3772e+00 -1.0941e+00 -4.2885e+00  1.3266e+00 -2.5032e+00
 -1.3906e+00 -2.2702e+00 -3.1340e+00  2.5170e+00 -1.6120e+00 -8.8795e-01
  1.8656e+00 -1.3303e+00  3.3187e-01 -1.2778e-02 -2.7841e+00  8.2856e-02
  2.3386e+00 -1.1519e+00 -3.3973e-01 -1.0804e+00  6.6787e-01 -1.1441e+00
  6.2913e+00 -2.2561e+00 -2.6696e+00 -9.4885e-01  1.5190e+00  2.8642e-01
 -5.0289e+00 -2.7360e-01 -2.5915e+00 -6.6266e-01 -3.0033e+00  2.1089e+00
 -3.0063e+00  1.3517e+00 -2.3850e-01  1.5531e+00 -2.0378e-01  2.3126e+00
  5.9532e+00  4.6704e-01 -1.1345e+00 -1.8877e+00 -8.9248e-02 -3.0204e+00
 -2.8220e+00  2.2960e+00 -1.6892e+00  1.3763e+00 -1.0259e+00 -1.9485e-01
 -2.0356e+00  3.4231e+00 -4.9098e-01  6.1939e-01 -2.2311e-02  2.0585e+00
  1.0339e+00 -8.0550e-01 -3.3702e+00 -9.2252e-01  1.0610e-01 -2.9946e+00
  3.7663e-01  1.0722e+00  7.2173e+00  1.0147e-01  3.8356e-01  1.1884e+00
 -1.2079e+00 -3.5022e+00  3.5245e+00  2.1248e+00 -8.3251e-01  3.7149e+00
 -3.3257e+00 -2.9565e-01 -3.4269e+00 -3.5379e+00 -8.5829e-01  3.9612e-01
 -2.2096e+00  4.1134e+00 -3.1506e+00 -1.2965e-01 -2.8931e+00 -4.4588e+00
  5.0101e-03  3.4376e+00  9.9656e-01 -1.4664e+00 -8.9134e-01  3.1075e-01
  1.4963e+00  1.0109e+00  1.1822e+00  1.7684e+00 -3.5563e-01  3.2564e+00
  9.4909e-01 -1.2141e+00 -2.8237e+00  1.2083e+00 -1.1891e+00 -3.7440e+00
  1.9314e-01  1.9664e+00  2.7252e-01 -3.1439e+00  9.4347e-01  3.5943e-01
  4.4291e+00  1.0114e+00 -3.0071e+00 -2.2569e+00 -1.1136e+00 -9.8289e-01
 -9.7770e-01  1.1880e+00 -1.5560e+00  4.8203e+00 -9.6675e-01  2.0244e-02
 -1.6409e+00 -6.6397e-01  1.8728e+00  1.4100e+00 -1.2742e+00 -9.5219e-01
 -1.9004e+00  4.2963e-02  2.9553e+00  1.8825e+00 -4.1139e+00  1.9182e+00
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 -2.6360e+00  2.8210e+00  3.2434e+00  4.5627e+00  1.8119e+00  3.7579e-01
  2.1117e+00 -1.3002e+00 -4.1328e-01  2.4742e+00 -3.8080e+00  1.3416e+00
  2.3435e+00 -1.7351e+00 -1.6508e-01 -1.0712e+00 -1.5060e+00 -3.0823e+00
  1.2311e+00 -1.7101e+00 -1.2562e-01  5.9954e-01 -3.5974e+00  3.8223e-01
 -1.7241e+00  1.2459e+00  4.6238e+00 -1.5342e+00 -1.4573e+00 -1.9226e-01
 -5.9568e+00  1.1616e+00  8.7217e-01 -4.8226e-01  3.2462e+00 -2.1123e+00
 -5.0044e+00  1.6956e+00  3.6138e+00  4.8306e+00 -4.3731e+00  6.5381e-01]
about [-1.5398   -0.71135  -5.9156   -2.9659    1.858     1.6547    6.4167
  8.7678   -2.2863    0.85184   2.4728    0.52494  -6.281    -0.80688
  2.2851   -1.6232    2.8492   -4.7333    0.36674   1.6385   -3.15
 -0.9328   -2.6888   -1.8636   -3.3276    1.4581   -2.8776    2.881
  4.6432    1.8898    0.58687   0.10606  -2.1041   -2.0984   -2.6968
 -4.1166    1.4113    1.9387    4.2484    3.42     -3.7513    2.4145
  1.2193   -0.15787  -1.4055    1.6664    3.9305   -4.852     3.915
  3.6663    0.51024   1.0647    2.7929   -7.8622   -3.7168    2.4385
  0.02538   2.5853    1.3486   -0.37478   4.1568    2.7667   -0.79237
 -2.8459   -0.072896  9.1694   -3.0505   -6.089    -0.052814  6.4107
  0.43898  -1.6616   -0.53825  -2.2085   -2.5075    1.1567   -1.8314
  2.2483   -0.90166   0.35942  -0.63101   1.226     0.48293  -1.2538
  3.7625    0.47724  -7.2707   -7.4185   -0.68893  -1.0317   -4.0784
 -0.40587   0.3642   -5.7423   -3.4446    1.1722   -2.3906    1.5376
 -1.4534   -2.602     1.2783    4.8451   -1.776     1.7679   -4.381
  1.0082   -3.0598    3.8654   -2.0775   -0.88374  -1.0959   -2.0572
  0.24955  -1.8367    3.7621    4.2685   -0.15223  -0.94297  -2.8128
 -1.6369    0.89549  -1.996     2.2231   -1.2688    3.981    -4.1625
 -0.12648   0.13769   0.75988  -0.70331  -1.5788   -0.83419   6.8157
 -2.6468    1.232    -0.95524  -3.3293   -0.24941   5.2992   -1.3438
 -2.0137   -2.5008    0.13092   1.7747   -4.4384   -3.8428   -1.6744
 -1.5349   -1.8281    1.753    -1.7962    0.25551   1.0824    1.3319
 -4.1274   -4.5099    0.18159   1.7546    2.4355   -4.4235    1.6789
 -2.1284   -0.79708   1.1191   -3.8173   -1.5147   -2.7162   -0.89077
 -1.5853    2.6055   -0.53982   1.321    -2.3176    1.469    -1.8475
 -0.47223  -0.65885   4.7139   -1.4338   -2.6564   -0.10292   6.6156
  9.1063   -0.060132 -1.0969    0.77164  -0.043608 -1.5933   -1.3197
  2.1932   -2.1575   -3.804    -2.5555    1.0639   -6.9321    1.2067
 -5.4801    3.898    -3.7612    4.6125   -4.1903   -0.026946 -1.3451
```

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 -0.35321   1.7196    4.5475   -2.6603   -3.6121   -3.691     3.5395
  1.9633   -2.7636    1.2788   -4.3644    0.3681    2.2052   -2.4097
  1.1972   -4.5946    1.9352    1.9533   -0.92766  -0.84193   1.2884
 -1.7738    0.85418   0.76535   1.5139    5.6778    2.2659   -4.0022
 -2.1527   -1.7599   -4.0997    2.1935    2.5508   -2.0884    4.5694
  0.70059  -1.0896   -1.5869   -2.9302    4.8831   -2.5986   -2.8898
  0.035765 -2.5145   -2.3461   -1.1401    5.0035   -1.9821    0.78394
 -7.6088    2.7972   -2.6927   -3.7174    3.3574   -0.11593  -2.3149
 -0.26728   2.2775    2.6977    5.9077    1.7494    1.8879   -0.98144
 -2.7944    3.0056   -0.3318    0.171    -4.5812   -1.8956    1.583
 -3.4909    3.7949    5.3011    5.4681   -7.2379    1.3041    0.75014
  1.9879   -0.29655   1.2021    2.4026   -2.6785    1.1578   -2.5403
 -2.0446   -3.2417   -1.2477   -0.58367  -0.32711  -0.10665  -5.7696
 -1.2981   -4.9388    2.3668    1.568    -6.4317    2.7074  ]
adopting [-3.9959e+00  4.3506e-01 -1.0863e+00 -1.1400e+00  2.0872e+00  9.1150e-01
  8.4262e-01  1.7870e+00 -4.2616e-01 -1.6904e+00  6.4418e+00  3.0454e+00
 -6.7480e+00  1.1937e+00 -4.3849e-01  2.5144e+00  1.8376e+00  1.7019e+00
 -1.5471e+00  1.4748e+00 -6.0047e-01 -1.0913e+00 -1.4812e+00  2.0568e-01
 -1.4321e+00 -2.4892e+00  6.5513e-01  8.0707e-01 -1.8021e+00 -1.9535e+00
  1.2470e+00 -1.0759e+00 -1.1127e+00 -3.8914e+00 -1.4824e+00 -1.9044e+00
  1.6874e+00  1.4926e+00 -8.3319e-01 -3.2022e+00 -8.4376e-01 -1.8472e+00
 -2.4695e+00  6.5343e-01 -3.8317e+00  2.8503e+00  2.0506e+00 -3.9001e-01
  1.6815e-01  1.2950e+00 -8.7207e-01  6.9767e+00 -2.3740e+00 -6.2809e+00
 -6.9749e-01  1.1416e+00 -1.4819e-01  2.7990e+00  1.8724e+00 -8.1028e-01
  3.5203e+00 -2.6378e+00  2.1062e+00  4.3724e-01  2.2286e+00  1.6887e+00
 -3.2797e+00 -4.3118e+00  2.4069e+00  1.9499e+00  1.8864e+00 -2.3621e+00
 -1.0893e+00  2.3123e+00 -2.1042e+00  1.2426e+00 -2.9312e+00  2.6148e+00
 -2.0779e+00 -2.0899e+00 -6.3116e+00  6.9108e-01 -2.1710e+00  5.2627e+00
  1.9928e+00 -1.9606e+00 -8.9070e-01 -4.8731e+00 -1.2167e+00 -8.9697e-01
 -2.2402e-02  1.3789e+00  2.9165e+00 -4.2408e+00 -5.8234e-01  1.9807e+00
 -5.7637e-01 -2.1110e+00  1.0219e+00  1.1516e+00  4.1979e+00  1.6637e+00
  6.1452e+00  3.7339e+00 -1.4856e+00  7.2759e+00  1.8239e-01 -2.1340e+00
 -4.1122e+00 -4.1154e+00 -4.4748e-02  1.4320e+00 -3.3480e+00  1.0868e+00
  4.2896e+00  4.8311e+00 -1.5820e+00 -1.0461e+00 -3.6738e+00 -2.9736e+00
 -2.4672e+00 -1.8727e+00  1.2239e+00 -1.0664e+00 -3.2168e+00 -1.1793e+00
 -1.1004e-01 -5.3809e+00  2.7982e+00 -4.4466e+00 -5.7351e+00 -1.8576e+00
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  1.5932e+00 -2.8357e-01 -5.4845e+00 -3.3628e+00  1.3579e+00  3.5288e+00
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  1.1599e+00  2.1259e+00 -3.6383e+00 -3.4521e+00 -2.7823e+00  1.1389e+00
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  2.8818e+00  1.0647e+00  2.6173e+00  1.2102e+00 -5.2551e+00 -2.9343e-03
 -3.8149e-01 -1.6897e+00  3.7548e+00  1.3209e+00 -1.9009e+00  4.2816e+00
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  1.4220e+00  2.0021e+00 -5.3423e+00  3.3847e+00  2.1110e+00 -4.4076e-01
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  3.1768e-01  2.7156e+00 -4.7454e+00  2.1099e+00  1.2632e+00  1.2010e+00
  2.1783e+00  2.1486e+00 -2.4349e+00  1.5642e+00  1.6308e-01 -1.1845e+00
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```

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 -1.7319e+00 -7.7589e-01  1.6393e+00 -6.4246e-01 -3.3451e+00 -5.5913e-01
  1.1964e-01  1.8000e-01 -1.2042e+00 -1.7123e+00 -1.7969e+00  3.1332e+00]
cutting [-1.4957e+00 -1.2159e+00 -2.6038e+00  1.3495e+00  1.5318e+00 -3.2720e+00
  3.0923e+00  8.0614e+00 -4.6540e+00 -1.3524e+00  5.4790e+00  5.2181e+00
 -4.8260e+00  3.9115e+00  2.4968e+00  1.1252e+00  3.2055e+00  8.0137e-01
  1.0088e+00 -1.3344e+00  1.9452e+00  2.5194e+00  2.1602e+00  5.3419e-01
 -3.0829e+00 -9.9473e-01 -3.3821e-01 -5.3153e+00  1.9933e+00 -6.3714e-01
  3.1258e+00 -3.9162e-02  1.9529e+00 -2.0815e+00 -1.9308e-01 -5.3967e+00
  5.3630e+00  3.2299e+00  2.9179e-01  1.8973e+00  3.1977e+00 -3.0773e+00
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  1.5203e-01  3.1077e+00  7.1128e-01  5.6295e+00 -2.9055e+00 -8.0207e+00
 -5.5955e+00  2.0379e+00 -1.2169e-01  3.9700e+00 -2.5507e+00 -3.8785e+00
  5.0628e+00 -1.5963e+00  1.8691e+00 -2.0442e+00  1.5915e+00 -4.5795e-01
 -4.3123e+00 -3.4911e+00 -2.5629e+00  2.0721e+00 -7.7811e-01 -2.4844e+00
 -4.1435e+00  1.9465e+00  1.2935e+00 -2.2301e+00 -2.2076e+00  1.2471e+00
 -1.0659e+00 -2.0367e+00 -8.7089e+00 -4.5526e+00 -4.1896e-01  1.3980e+00
  3.5595e+00  1.6771e-01 -7.1813e-01 -2.9138e+00  1.3802e+00  1.5987e+00
 -2.5313e+00  4.4708e+00 -6.7663e-01 -2.9408e+00  6.7153e-01 -1.5909e+00
  5.4418e+00  1.2162e+00  1.5824e+00  2.9192e+00  1.7193e+00  6.9794e-01
  6.9801e+00  3.5003e+00  4.4469e-01  5.1327e+00 -5.7812e+00 -1.2554e+00
 -3.1955e+00 -4.5811e+00  2.6932e+00 -2.9816e+00 -2.2923e+00 -1.4708e+00
  4.6292e+00  5.4923e+00 -2.9186e+00 -1.5959e+00 -1.3586e+00 -4.8570e+00
 -4.5604e+00 -3.4589e+00  7.6928e-02 -1.1322e+00  7.2609e-01 -3.0643e+00
 -1.8080e+00 -6.2705e+00  4.2009e+00  1.4290e+00 -5.6313e+00 -1.3301e+00
  6.1588e+00  1.0188e+00 -4.2882e+00 -9.7600e-01 -5.6794e+00 -4.7885e+00
  2.7240e+00  1.8841e+00 -1.0714e-01  7.6980e-01 -1.3634e+00 -6.5732e-01
  3.2859e+00 -3.1149e-02 -6.7748e+00  1.3276e-02  3.1302e+00  1.3190e+00
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  2.4754e+00 -1.4455e-01 -5.7994e-01 -4.5439e+00 -1.6235e-01 -4.0055e-01
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  3.7351e-02  7.3698e-01 -2.8842e-01  1.6087e+00 -6.6484e-01 -1.1009e-01
 -1.2020e+00 -2.8683e+00  2.7937e+00 -3.1533e+00 -5.8646e+00  4.9913e-01
  2.1206e+00  1.2858e+00  1.7449e+00 -2.0034e-01  1.9889e+00 -3.4859e+00
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 -2.2419e+00  1.9471e+00  3.8174e-01 -4.7226e+00 -2.2348e-01 -7.7921e-01]
- [ -5.2115     3.509     -1.2917    11.139      9.1501     1.1503
   3.2131     6.7929    -6.0262    -3.2327    -3.6174     1.0954
 -12.318      0.65923   -7.3685     0.5602     4.9334    13.741
  -1.1485     4.4696    -3.002     10.612    -14.567      3.1338
  -1.4212    -2.5704     1.8096    -4.6863     5.928     -2.7407
 -12.587      4.1561     8.9321    -7.1883     0.48274   -2.0225
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  3.0982     2.3273    -0.90961   -2.7857     1.6639    -7.5646
 -1.4852     3.8033     4.1028   -11.09      -8.4688     6.1382
  1.6046    -2.8707    -0.21798   -0.43158    4.3357     2.9387
 -1.3945     6.483     -2.3703    -7.9359    -2.4134    -4.5686
  2.5469    -1.0658    -4.7524     4.2583    -2.5141    -6.4328
 -4.4344    -0.57122    2.3779     1.2762    -2.1617     3.5557
  2.7753    -5.5144    -1.7967    -3.2179     4.552     -5.2955
  4.2247     4.9469    -3.2672    -0.30008   -3.776      0.34031
 -2.4181    -6.8217     2.9739    -8.9086     4.4042    -4.3253
 -7.2514    -2.7034     6.6008     1.238     -0.16328    1.7656
  2.8992    -0.87305   -0.36077   -1.9866    -3.6481     0.041541
  2.0401     7.9944     2.786      8.1932     1.0418     3.8907
 -5.7529     0.39533    2.7792    -3.8131    -7.1711     0.97528
  2.2748    -2.7119     2.629     -5.0289     1.6314    -8.3033
  3.4731    -4.1805     0.79049   -3.9219     0.17631   -4.7043
  0.048974  -8.3679     3.6331     0.91802   -6.3786    -0.40668
  8.5661    -5.9701     2.9049    -7.041     -5.2132     0.74682
 -4.1184     3.6969     3.8056    -0.10026    8.2003    -2.3049
 12.646      8.2846     0.25887    3.6498     4.5837     3.2291
  4.7599    -0.63223    4.2855    -2.0241    -3.9117     1.0941
  5.4943     3.8191     1.723     -6.4652    -6.1771    -2.1565
  6.3491     0.64368   -3.2896    -3.762      2.6925     0.89335
  6.6678     9.514     -6.1071     4.3812     3.4277     0.52672
  2.5942     5.591     -3.1447    -2.8484   -10.158      6.0053
 -3.7678    -0.40312   -0.55548   -9.0128    -9.7668    -1.7377
 -4.7025     2.8146   -10.786     -7.3049    -4.1135    -1.5667
 -3.9426     3.7914     7.4403    -2.0363    -1.2104    -6.4163
 -3.2442    -6.4855     1.1976    -2.7778     4.4688     5.3389
 -1.2246    -3.9563    -1.283      1.915      3.6925    -4.9619
  0.077764  -0.41471   -2.3976    -3.7691     5.9627     6.0228
  3.8399    -2.775     -1.3657    11.199     -2.8652     2.8493
  1.3457    -1.4457     1.0525    -0.33299    7.3896     4.4483
  2.8473    -9.6656     2.2702     7.6748     1.3152    -4.467
  4.6329    -2.7707    -3.7        1.0032    -3.8883     1.323
 -0.21593  -10.718      1.2303     2.2457    -3.8669    -5.8703
 -8.3945     4.5153    -5.3671     7.9679     0.83402   -1.1374
 -3.5927     8.1642    -0.23903   -1.3902     5.9613     8.6626
  2.5889     2.9036    -6.9527    -0.88525   -0.9635     8.4359
  2.4074    -4.3881    -2.8896    -3.7757     0.065073  -5.448
 -0.80732   -3.4176     1.9292    -1.1542    -6.3562     0.84221
  0.97688    1.9811     1.9829    -7.2728     2.5094     0.74862
 -4.9351     1.0924    -1.6413     1.2245    -6.4769     6.0079
  2.7891     3.2304    -1.0285     1.8916   -11.857     -2.5915
 -1.2512     3.7854    -1.9479     1.1714     1.7961    -5.0412  ]
edge [ -0.92985    5.6311     0.79272    3.0394    -0.45843    3.3549
 -3.1237     6.7402    -4.8971     3.6765     7.4323     2.6925
 -1.5226     1.7816     2.7504     4.5089     2.6675     5.32
  5.4791    -3.1233     3.3008     6.7737    -2.4059     1.9173
 -6.5267    -1.8157    -2.5991    -9.0991     1.4202     4.2709
 -2.0876     1.0917     2.0664    -7.0996    -4.4093    -3.4653
  1.5955     6.7842     2.8141     2.3093     5.4015    -1.0362
 -1.551     -1.6755     2.3994    12.143      2.1741     1.8474
  2.3422    -0.49749    1.405      2.2279    -2.4205    -3.0987
 -1.7267    -2.4064     1.569      1.6118     4.2296    -2.6574
 -1.1212    -0.77999   -1.7713    -3.6207    -5.0761     2.5537
  1.2911    -5.1907    -4.0227     1.605      0.56398   -1.427
  1.3973     4.0545     0.23571   -2.4641     1.5178     1.4076
 -0.66419   -4.833     -0.74835   -3.5141     0.43083    0.3694
  6.8772     1.2426     4.5399     2.626      3.9708    -2.8519
 -3.1758     4.9693     1.4694    -3.0855     2.9271    -5.5192
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   3.9404    -0.078395   7.6395    -4.2367    -1.8254    -4.5016
  -4.5941     1.4524    -3.1221    -3.9242    -0.27376    0.74588
   4.0824     4.0308    -0.33155   -6.815      4.2829    -2.6098
  -2.5448    -1.6448     2.4544    -2.7327    -4.4416    -0.77304
  -4.0548    -3.2265     8.0729     3.9552    -5.2477    -3.6021
   6.3649     1.3121    -2.1256    -2.6835    -1.4817     3.0511
   6.0115     3.0066    -0.63714    3.0649    -3.6364    -0.79692
   3.2384     2.6433    -4.1116     7.8035     3.4877     5.3765
   0.89913    2.7302    -1.133      4.9162    -0.53897    3.81
   4.8316    -4.5996     2.1493    -6.1371    -0.73096    0.12073
  -0.40987    1.5563    -1.6703     2.4821    -0.5143    -0.028205
  -1.533      0.46723   -1.1796    -0.2616    -0.12959    3.2223
   0.55165   -1.4846    -6.8236    -8.4598     1.7098    -1.1997
  -1.4375     3.1978    -0.03801    0.50581   -7.5984    -0.8864
   3.038     -0.90643    0.52204    1.9528     2.1911     0.71281
   5.4945    -9.2955    -1.8487    -2.9835    -1.5558     2.7961
   0.84245    1.0974     3.5004     1.0276    -1.8377    -1.7136
   1.7409    -6.9518    -6.718      0.44202    0.053044   0.50091
  -2.7525     3.6949    -7.9915     0.38797   -2.4335     2.6401
   5.9615    -3.8824    -9.7017    -6.9754     3.7581     1.5476
  -1.7425     3.4032     3.1533    -1.4413     2.2235     4.2139
   2.7994     5.7181     0.40077  -12.122     -3.5018    -3.0816
  -1.781     -2.2473     2.1779    -4.8918    -0.50268   -1.7241
  -2.267     -4.7691     4.0522     3.1526    -3.2446    -0.96613
  -3.0121     3.2676     0.19138   -2.7188    -5.1607     2.6321
  -3.1545    -1.6882     2.4664    -0.69008   -5.3009     4.3848
   1.9703     2.6686     2.148      4.649      4.0519    -0.60886
   2.0292    -7.2459    -4.1763    -1.8992    -1.2227    -1.119
  -0.0508    -1.462      2.9182     3.8643    -3.2134    -4.5475
   1.9021     0.39306   -3.6036    -3.4608     3.6391     0.82961
   0.44958    5.6927     7.1679     3.9702    -1.7416     0.65322
  -3.0127     1.1727    -3.0248     1.6028     4.809     -1.9978
   0.023477   5.207     -3.4144    -0.22705   -1.9187    -0.16419 ]
technologies [ 9.7427e-01  2.4643e+00  2.0816e+00  3.5858e-02  1.5908e+00 -9.6500e-01
  2.8646e-01  5.6293e+00 -3.5191e+00 -1.9947e+00  5.5307e+00  3.4564e+00
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 3.2487e+00 -5.9439e-01  2.3851e+00  2.0064e+00  1.3581e+00  2.6075e+00
-3.4109e+00  9.6684e-01  1.8600e+00 -1.5555e+00 -7.7736e-01  1.0150e+00
 9.2859e-02 -2.2162e+00  3.6921e-01 -4.5184e-01  1.9355e+00  5.2143e+00]
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  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
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  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
but [-1.2000e+00 -1.5954e+00 -2.0504e+00 -4.3756e+00  2.5724e+00  7.0807e+00
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  2.1449e+00 -2.7959e-01  2.4691e+00 -2.5713e+00  1.5312e+00 -3.0407e+00
 -2.3625e+00 -3.6643e+00  2.6854e+00  3.8206e-01 -2.9026e+00 -4.4888e+00
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  2.9221e-01  2.6554e+00  9.7618e+00 -3.2157e+00  6.6685e+00  6.5566e+00
  7.1370e+00 -1.1297e-01 -7.7300e+00 -4.3931e-01  3.5957e+00 -1.8888e+00
 -3.5854e-01 -2.3481e+00 -1.0627e+01  1.0147e+01  6.8469e+00 -2.7533e+00
 -2.7597e+00  1.8908e+00  7.9769e+00 -6.9745e+00 -4.4061e+00  1.5049e+00
 -3.7168e+00  1.6027e+00  1.1907e+01  6.6621e+00 -2.6330e+00  9.8071e+00
 -7.9452e+00  3.0857e+00  8.9293e-01 -6.5944e+00 -7.1316e+00  5.8217e+00
 -5.9559e+00  2.7862e+00  4.8084e+00  6.6745e+00  6.4891e+00 -1.2697e+00
  1.6232e+00 -2.7329e-01  4.8249e+00  9.5603e-02 -1.4055e+01  8.6056e+00
  1.0710e+01 -6.7438e+00 -7.5801e+00 -5.3246e+00 -1.0242e+00 -7.9511e+00
  4.0148e+00 -6.0002e+00 -4.0564e+00  5.0604e+00  8.5858e-01 -3.3142e+00
 -1.4191e+00 -2.3236e+00  1.8370e+01  1.7261e+00  4.5883e+00 -2.1141e-01
 -4.7445e+00  5.4726e+00  4.3373e+00 -6.4456e+00  4.3337e+00 -3.6347e+00
 -7.8783e-01  3.8682e+00  4.6971e+00  1.8530e+00 -6.0469e+00  5.7885e+00]
with [-7.3029e+00 -1.8444e+00 -7.6674e-01  2.9710e+00  8.2274e+00 -2.3815e-01
 -3.7484e+00  7.4250e+00  2.1094e+00  2.6460e+00  3.4193e+00  1.2949e+00
 -3.7891e+00  1.8922e+00  5.7313e-02  2.2486e+00 -2.6073e+00  2.4729e+00
 -4.7082e+00 -2.0890e+00  1.7650e+00 -2.7928e+00 -1.7405e+00 -2.2023e+00
  9.6628e-01 -1.6627e+00 -5.3952e+00  2.6574e+00  3.2853e+00 -4.1086e+00
 -6.1322e-02 -2.0250e-01 -4.1922e-01 -1.9879e+00 -2.5041e+00  1.1566e+00
 -1.4234e+00  5.7212e+00 -8.8475e-01 -1.5786e+00  3.2100e+00 -1.3317e+00
  1.1137e+00 -1.5295e+00  1.2745e+00 -8.0234e-01  3.1163e+00 -1.8311e+00
  1.4319e-01  6.6325e+00 -5.8086e-01 -1.7562e+00  2.4619e+00 -6.5284e+00
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  1.7396e-01 -2.8767e+00 -4.9427e+00 -3.7774e+00  2.7220e+00  5.0155e+00
  8.9913e+00  1.1570e+00 -1.1779e+00 -2.4803e+00 -4.7624e+00 -2.8423e+00
 -3.2249e+00  3.0748e+00  1.6095e+00 -4.2218e+00  9.4188e-02 -6.8269e-01
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  9.3883e-01  6.8191e+00  3.4584e+00  8.5794e+00  1.1459e+00 -5.2942e+00
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 -1.8671e+00  5.9680e-01 -3.0947e+00 -1.7287e+00  2.5586e+00 -3.3759e+00
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  1.0927e+01 -2.0548e+00 -2.6884e-02 -8.3153e-01 -7.2005e+00  1.9075e+00
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  1.9973e+00 -3.3297e-01  3.7842e+00  3.7714e+00 -3.7266e+00  2.4425e-01
 -1.2726e+00 -3.3529e+00  3.5800e+00  5.2774e-01 -2.2151e+00 -1.4871e+00
  2.2228e+00  1.9954e+00 -5.1733e+00  2.7730e-01 -3.7315e+00 -2.1229e-01
  2.2776e+00 -4.0999e+00  4.9334e+00 -1.0093e+00 -4.0817e+00  7.5858e-01
  5.6537e+00 -4.4464e+00  2.5996e-01 -4.5442e+00 -2.2041e-01 -3.5990e+00
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  2.8737e+00  5.3929e+00  3.7513e+00  3.3702e+00 -3.4719e-01  8.9511e+00
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 -2.4284e+00 -1.2283e+00 -2.0751e+00 -2.1289e+00 -9.5969e-01 -1.5780e+00
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  4.7260e+00 -2.7610e-01 -3.7511e+00  9.4140e-02  6.2245e+00  3.5532e+00
  9.0030e+00  2.2473e+00  3.4429e+00 -1.0572e+00 -5.3148e+00 -6.2408e-01
 -1.3640e+00  2.3960e+00 -5.3993e+00 -1.0270e+00 -2.3569e+00 -2.2414e+00
  8.3295e-01  1.3915e+00 -2.1925e+00 -6.7603e+00 -4.3119e+00 -2.4465e+00]
foresight [ 5.5468e-01 -3.8251e-01 -1.0042e+00 -4.2833e-01  1.0251e+00 -6.1850e-01
  2.4242e+00  3.2880e+00 -4.2215e+00 -1.2784e+00  8.2540e+00  1.6688e+00
 -5.4752e+00  1.5148e+00  7.7022e-02  2.8401e+00  3.6892e+00 -7.0845e-01
 -1.7432e+00  9.6623e-01 -1.4746e+00 -2.4187e-02 -3.0978e+00 -1.8853e+00
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 -2.5013e+00 -6.4820e+00  1.9851e+00  4.3156e+00 -2.9462e-01  1.9537e+00
 -2.5586e+00  1.1680e+00 -3.1184e+00  1.9765e+00 -4.4459e+00  2.8222e+00
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 -6.6041e+00 -2.1582e+00 -1.0520e+00  1.7315e-01 -6.5738e-01 -2.1551e+00
  2.2005e+00 -4.3360e+00  3.4405e+00 -2.2949e+00 -4.9455e+00 -1.1845e-01
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  1.6008e+00  1.5489e+00  4.0675e+00 -2.0679e+00 -1.7668e+00 -8.6758e-01
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  1.3994e+00 -3.2026e+00 -8.2759e-02 -2.5695e+00 -3.6639e+00  3.0591e-01
  2.0932e+00  8.6105e-01 -1.5179e-02 -4.8953e-01 -4.8217e+00 -3.4780e+00
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  3.7424e+00 -4.3585e+00  2.1595e+00  1.3404e+00 -2.4848e+00  4.3466e+00
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 -1.1084e-01  7.8321e-01  1.0778e-01  4.6045e+00  6.3288e+00  4.0974e+00
  3.0582e+00  2.6693e-02 -4.4325e-01  2.6048e+00 -1.4641e+00 -1.8733e+00
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  3.2937e+00 -1.2071e+00  1.7989e+00 -4.0158e-01  2.7540e+00  1.4000e+00
 -3.1377e+00 -5.4160e-01  1.4631e+00 -2.6186e+00  4.6337e-01 -2.8342e+00
  5.8003e-02 -2.7029e+00  1.3476e+00 -2.7658e+00 -2.4727e+00  4.5053e+00]
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  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
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  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
```

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   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
responsibility [ 6.3973e-02  5.7655e-01 -2.7649e+00  9.2024e-01  4.3910e+00  3.5434e+
00
 -8.4506e-01  3.0959e+00 -1.9123e+00 -2.2752e+00  5.9217e+00  2.0851e+00
 -3.8796e+00  1.1668e+00 -1.6281e+00  2.6548e+00  2.8217e+00 -3.2146e-01
 -4.2162e+00  2.7026e+00 -2.4315e+00  1.7205e-01 -3.0985e+00  2.9921e-01
 -2.8646e-01 -4.1255e-01  2.8369e-03 -7.5124e-01 -2.7489e+00  2.7340e+00
  3.2513e+00  1.4165e+00  1.1103e+00  5.8372e-01  8.3593e-01 -9.4777e-01
  1.8131e-02 -4.5574e-01  1.1421e+00  3.0230e+00 -3.8822e-01  3.5205e-01
 -8.4052e-01  3.0011e+00 -5.3188e+00  1.8129e+00  3.3552e+00 -5.3240e+00
  2.3399e-01 -7.1765e-01 -1.3735e+00  1.5482e+00 -3.7990e-01 -4.8727e+00
  1.6445e+00  1.6154e+00 -2.4760e+00  1.1738e+00  1.2723e+00 -1.3918e+00
  2.7067e+00 -1.3447e+00 -2.4346e+00 -5.5186e-01  7.4801e-01  3.6278e+00
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  1.1599e+00  2.6870e-01 -2.5807e-02  5.1199e+00 -3.0761e-01 -2.6315e+00
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  2.0701e+00  4.2939e+00 -2.4877e+00 -1.1870e+00  1.6799e+00 -4.6783e-01
 -2.1119e+00 -2.0549e+00 -7.0521e-01 -1.3455e-01 -2.9694e-01 -2.4198e+00
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  5.1976e+00  1.5303e-01 -1.8900e+00  2.5722e+00 -1.9069e+00  1.6376e-01
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  2.8258e-01  2.1065e-01  4.3347e-01  1.7047e+00  2.1495e+00 -2.4196e+00
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 -1.4559e+00 -1.5026e+00 -1.5724e+00 -4.0827e-01 -9.4771e-01 -1.8201e+00
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  1.0024e+00  5.3156e-01  2.5954e+00 -2.0394e-01 -4.9595e-01  1.0306e-01
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 -4.0306e+00 -2.6602e+00  3.8034e+00 -4.1676e+00 -1.7387e-01 -1.8258e+00
  7.5103e-01  1.0207e+00 -4.7279e-01  7.0146e+00  4.6079e+00  1.4181e+00
  3.6456e+00  5.0442e-03  1.3786e+00  2.2383e+00 -1.7178e-02  2.4209e+00
```

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  2.6183e+00 -3.5608e+00 -2.5362e-01  3.1473e+00  1.5594e+00  4.7171e-01
  2.2494e+00 -1.8013e-01  2.5784e+00 -1.2851e+00  3.1713e+00  2.3736e+00
 -2.0275e+00 -1.0181e+00  8.8461e-01 -1.1301e-01 -1.3642e+00  1.6333e-01
 -4.1317e+00  6.5637e-01  1.4561e+00 -2.5141e+00 -1.7748e+00  3.1383e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
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 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
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 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
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  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
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 -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
 -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
  0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
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 -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
  1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
 -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
 -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
  6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
 -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
 -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
  4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
 -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
 14.441    -13.343      1.224      3.2356    10.772     -3.7069
  7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
 -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
  3.2295    14.775      2.1246     7.2148     3.6015     3.3317
 11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
  7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
  3.1062     0.87365   11.799     -3.936      5.7646    10.454
  4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
 -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
 -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
 -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
 -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
 -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
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  4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
 -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
 11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
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-11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
  1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
 -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
  9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
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 -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
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  0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
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  2.8599    2.3154   -4.5186   -3.3563   -4.2488    1.8642   -4.4126
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  0.29257   0.35454   3.1031    5.8276    3.2789    1.8389    1.0656
  4.4558    2.7272    3.2123    0.023954 -0.207     2.42     -0.20189
  8.7255    7.3364    3.2713    1.0629   -1.7812    0.10978   1.5249
 -4.7775    1.1626    1.642     4.0459   -1.2414   -1.0984   -1.292
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  2.5292   -3.2344   -1.9076   -4.5179   -0.39189  -0.67004  -1.9224
  2.8289    4.4165   -0.92281  -3.1178   -2.7734   -2.369     0.79288
  3.1151    3.5273   -4.1502   -4.9399    1.6221    3.7229   -0.83685
  6.7721   -3.9203   -1.8173    1.6648    1.9859    1.1374    0.23655
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  3.1145   -4.3727   10.979     6.3126   -1.9792    6.1158    5.4067
  1.2855   -2.9624    4.351    -3.6953   -2.3214    2.662     1.8344
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  6.9901   -1.2113    2.1203   -6.6524   -2.0292   -2.2443   -5.1418
 -2.9881    2.2641    3.7683    3.6416    1.1931    0.83609  -1.1547
 -0.22984  -0.34135  -4.9906   -2.058    -3.5528    1.1891   -3.0905
 -2.7909   -2.2766   -1.6652    5.4227    4.197     1.2774   -0.33272
 -3.5102   -3.1302   -2.5547   -0.93939   1.0655    0.23803   0.13359
  7.8477   -3.2815   -3.0002   -0.22179   1.9349    3.8646   -3.344
 -1.7778    3.1584    0.93468   3.0051   -3.915    -3.774    -0.39258
 -0.63392  -4.0416    0.38936  -3.5802    0.69466   0.87664   2.0755
 -3.2426    1.7687   -2.8708   -2.0174    0.55134  -0.9975   -2.292
  0.91572   3.8474    1.8492   -0.26378   1.4523    7.6783    0.28631
  2.5389   -4.824    -0.30245   2.9196    5.6591    3.6393    2.4382
  1.6273   -0.2575    1.3183    3.1297    6.0469    2.2714    3.5766
 -2.8817    2.3293    1.4971    7.6754    0.96618  -4.3761   -2.7377
  0.97354  -5.1523    3.8636   -3.3374    1.1224    2.2422   -4.0461
  4.0557   -4.2677   -1.1813    3.8794   -0.91004  -0.71357  -1.3599
 -4.2796    7.112     1.7804   -0.10696   1.6779    2.4524   -4.1036
 -3.9936    5.747     4.7632   11.852     4.1484    2.2356   -5.5545
 -2.1711    1.2293   -0.41707  -0.37021   5.8752   -3.6958    4.3857
  1.0737   -3.1137    1.7172    6.4963   -2.4182   -6.9691   -4.6287
 -1.1163   -0.65982   3.332     2.1236    0.37265   1.0193    0.45691
 -5.0237   -4.044     0.33686   3.5788    2.5631    6.0743   -1.8838
 -0.85837   0.46222   1.4926   -2.3436   -5.0657    0.24823 ]
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  2.4242e+00  3.2880e+00 -4.2215e+00 -1.2784e+00  8.2540e+00  1.6688e+00
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 -2.7030e-01  3.6949e-01  1.9099e+00  1.7225e+00 -8.2526e-02  8.7303e-01
  1.6298e-01  4.3729e-01 -3.0297e+00  2.8186e+00  1.4236e+00 -3.9916e+00
 -1.9882e-01  5.4829e-01  4.3861e-01  2.7601e+00  4.0659e-01 -4.6391e+00
 -9.5605e-01  8.3610e-01 -8.5063e-01  3.1182e+00  2.5442e+00 -2.2315e+00
  1.7500e+00 -1.3708e-02  1.1053e+00 -1.3515e+00  2.6746e+00  5.2764e+00
 -2.5013e+00 -6.4820e+00  1.9851e+00  4.3156e+00 -2.9462e-01  1.9537e+00
 -2.5586e+00  1.1680e+00 -3.1184e+00  1.9765e+00 -4.4459e+00  2.8222e+00
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  8.4145e-01  2.8338e+00  3.8818e+00 -5.1672e+00 -6.8284e-01 -1.4380e+00
 -3.6246e+00 -1.5039e+00  2.5358e+00  7.4346e-02  4.3731e+00  2.3651e+00
  3.4186e+00  2.7733e+00 -1.0101e+00  5.2414e+00 -2.6681e-01 -2.1875e+00
 -1.6062e+00 -2.6888e+00  2.3853e+00 -1.3941e+00 -5.7808e+00  1.7139e+00
  1.5347e+00  2.8483e+00 -5.7732e+00 -1.9810e+00 -2.2406e+00 -2.0360e+00
 -6.6041e+00 -2.1582e+00 -1.0520e+00  1.7315e-01 -6.5738e-01 -2.1551e+00
  2.2005e+00 -4.3360e+00  3.4405e+00 -2.2949e+00 -4.9455e+00 -1.1845e-01
  6.1905e+00 -2.3175e-01  8.1083e-02  9.2793e-01 -2.8998e+00  1.3293e+00
  2.3414e+00 -7.6555e-01  2.1194e-01  5.1950e-01 -2.3395e+00  4.2812e+00
  5.0161e-01 -2.7389e+00 -7.6514e+00 -1.2906e+00 -2.3635e+00  3.9385e+00
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  3.6009e-04  2.2910e+00 -2.2479e+00 -2.5320e+00 -2.9567e+00  1.4802e+00
  8.1074e-01 -2.5145e+00  7.8372e-01  5.9734e-01  3.7474e+00  2.3404e-01
  3.9145e+00  2.0626e+00  1.0127e+00  2.4904e+00 -4.1224e+00 -5.2994e+00
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  1.3994e+00 -3.2026e+00 -8.2759e-02 -2.5695e+00 -3.6639e+00  3.0591e-01
  2.0932e+00  8.6105e-01 -1.5179e-02 -4.8953e-01 -4.8217e+00 -3.4780e+00
  4.0346e+00 -1.3057e+00 -5.9229e+00  1.6405e+00 -1.3835e-01 -2.0015e+00
  1.0993e+00 -1.3256e+00  5.9667e-01  2.5638e+00 -1.4490e+00  3.0395e+00
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  6.9237e+00 -3.7873e-01  1.9815e+00 -6.0067e+00  7.5843e-01  4.8938e-02
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 -3.6395e+00 -1.4074e+00  6.8791e-01  1.6581e+00 -1.1868e+00  8.2991e-01
 -5.1466e+00  1.6241e+00  1.1344e+00  1.4242e+00 -2.2222e-01 -1.6465e+00
 -4.1227e+00 -1.7342e+00  1.4766e+00 -3.9027e+00  3.0511e+00 -3.5153e-01
 -1.1084e-01  7.8321e-01  1.0778e-01  4.6045e+00  6.3288e+00  4.0974e+00
  3.0582e+00  2.6693e-02 -4.4325e-01  2.6048e+00 -1.4641e+00 -1.8733e+00
 -2.5228e-01  1.1406e+00  1.5933e+00 -2.4234e+00  1.1717e+00 -2.2490e+00
  2.9348e+00 -4.5734e+00 -1.0530e+00  2.7606e-01  3.3131e+00  4.7438e-01
  3.2937e+00 -1.2071e+00  1.7989e+00 -4.0158e-01  2.7540e+00  1.4000e+00
 -3.1377e+00 -5.4160e-01  1.4631e+00 -2.6186e+00  4.6337e-01 -2.8342e+00
  5.8003e-02 -2.7029e+00  1.3476e+00 -2.7658e+00 -2.4727e+00  4.5053e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
```

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 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
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  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
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  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
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  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
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  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
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  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
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  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
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  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
broader [ 0.31247    2.829     -2.4297     1.3853     2.0962     0.86533
```

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 0.58482    3.8297    -3.0047    -2.6464     5.5013     3.4252
-2.6762    -0.61329   -0.27564    2.0692     0.5826     0.50652
-0.97465    3.225     -1.6415    -3.1095     1.2496    -2.2179
-1.542     -1.3       -1.5375     1.499     -2.6084     0.30806
-1.4475    -2.2313    -1.3039    -2.2167    -3.548     -3.6466
-1.67      -0.089806  -2.3755     2.2438     1.436      3.9084
-0.77647   -0.90207   -0.11741    2.9426     0.052419   0.76888
-0.080642   0.95442   -2.9185     1.8284    -1.4555    -2.127
-1.2376     0.68881    0.080638   4.123      3.0403    -1.3963
 1.6394     1.4486     3.3915    -1.758      1.4012     5.7627
 0.67525   -4.0787     2.0787     3.6477     1.2505     1.2285
-4.0324     1.0656    -1.2511    -0.67793   -1.5953     2.1241
-2.1587    -1.238     -4.3241     0.16744    1.3996     3.5647
 2.924     -1.3268    -0.64812   -3.3542    -0.32989    0.56177
-2.6299     1.2084     2.0269    -3.1947    -0.99269   -1.2964
 1.1543    -1.945      0.29763   -0.0092707  3.1469     0.40582
 0.78046    5.6186    -3.0353     4.4791     2.9794    -1.3915
-0.68451   -4.3448     1.9269     1.6185    -0.28778   -0.084674
 0.69487   -0.31399   -0.91734   -3.6244    -1.8623    -0.37195
-0.10924   -3.8704     1.9472     1.1787    -1.7131     1.1727
 4.1915    -1.8974     4.6205    -1.8979    -3.4766     0.43528
 3.9089    -0.87745   -1.0149     0.23681    0.22046   -0.34449
 3.7891    -2.6534    -1.6075    -1.4463     0.24243    0.31737
-0.36939    1.6676    -3.7917     2.8257    -0.85856    2.6859
-0.63745    5.1545     0.79452    2.8025    -1.6457     0.98342
-2.0465     4.7146    -0.43906   -1.0265    -1.1398     0.90931
-0.019145   3.0136    -4.6058     1.0045    -2.3535    -0.072207
 2.3697    -3.5001     0.78465   -1.2825     1.5703     2.8733
-0.7429     1.7283     0.17818   -0.74516   -1.6079    -1.8972
-1.3866     2.5894     2.8793     0.20979   -1.8983     1.1877
-2.4737     1.4895     0.91879    2.7575    -0.066983  -0.083605
 2.3567    -2.385     -2.0104    -0.82559   -1.2117    -2.922
-1.1343     1.0372    -1.6779    -3.2994    -1.4506    -1.8924
 2.1944     3.7836    -5.9842     3.5285    -0.31605   -1.5999
 1.4561    -0.041595  -2.352     -1.2201     2.8625     3.1928
 3.5741    -2.8747    -1.363      1.272     -2.4877     4.7152
-1.1647    -0.70971   -3.334      2.1825    -0.61919    4.7807
 3.1506     1.5793     3.1742    -1.7653     1.5405    -2.0677
 2.5521     2.0235    -0.26779    2.9854     3.1377     0.39453
-1.9199    -2.5279    -0.90221   -0.2524    -0.55949    1.4216
-2.6882    -1.1424     0.90096   -0.7253     1.4557    -0.85229
-0.74197   -0.80923    2.3347    -2.1199     2.7426    -0.24049
 1.9831     1.2837    -2.0343     5.2428     6.2443     1.2011
 2.2018    -2.4433    -2.2986     0.46165   -2.1254    -2.9336
-2.5325     0.33305    1.4715    -2.0214    -0.35478   -2.3595
 0.57887   -0.90278   -4.264      0.8238     0.31682   -0.51846
-1.2545     1.3566     0.22355    2.9085     4.5266    -0.73489
-0.68765   -1.8655    -1.8812    -1.3078     0.72716    1.1591
 1.7639     0.93233    3.051     -1.2608    -3.5462     2.5725   ]
implications [-0.019137 -0.67775   1.2227    0.53114   5.08      2.2005    1.2927
 4.8381   -1.3507   -1.2844    6.9276    0.44632  -3.5189   -1.0927
 1.4712    4.517     5.19      1.4406   -5.0292   -0.35957   1.4422
-1.7678   -5.065     2.1366   -2.9979   -3.8728    0.969    -1.3849
-4.1416    1.4285    1.6687    1.234    -0.012431  0.56761  -1.3475
-5.3952    2.4424   -0.39049   0.58597   0.40126   2.5122   -0.051492
-1.1077    0.022593 -3.6542    2.2246    4.4379   -2.3109    0.22038
-1.1863   -2.2959    3.6503    0.022507 -4.1604    0.59054   1.1177
-2.4582    4.1739    1.4032   -3.8897    2.1718    1.6551   -1.8488
-0.82993   2.5049    1.7759   -2.8418   -4.5511    2.1035    2.872
-1.3604    2.2485   -3.1124    0.50254  -3.4085    2.7458   -1.9236
```

```
  0.94204  -2.7489   -1.2578   -2.5056    0.8736    0.1038    2.4286
  2.5183    0.096314 -5.5855   -4.3474    4.2445    0.2656   -0.40591
  1.8064    4.5967   -3.1032   -0.70655   1.9911   -1.0081    2.1174
  2.0177    1.8746    5.64      1.0988    2.6115   -0.18947   1.4536
  7.8462    1.3965   -4.1514    0.10758  -3.3417    3.6013    1.4326
 -3.8481    1.1655    1.3686    4.3906   -0.4176    0.12035  -0.46353
  0.12487  -2.4713   -2.1897   -0.12989  -1.752    -2.61      -2.3542
  0.41827  -2.0555    2.4137   -2.5371   -2.9866   -0.1225    3.987
 -0.56333   1.7757   -0.1617   -1.1731   -1.6585    0.84266  -0.287
 -0.76808  -1.5944   -0.70937   2.8329    0.2562    1.222    -4.5047
 -0.53177   3.1535    4.4362    1.0375    3.2126    0.087969  1.9339
 -1.7915   -0.28321   2.0389   -0.1162   -0.71288  -2.2871    0.13176
  0.74459   0.70753   2.5163   -1.7958   -4.0556   -3.8013    1.2731
  2.6352   -2.7919   -1.8989   -3.3656    1.6529   -0.42736   3.7236
  3.0277    1.3717    1.5491   -4.0812   -0.80465  -0.36671  -0.25914
  2.478    -1.6814   -0.20901   2.0596   -1.6454    1.7722    1.4957
  2.1266   -2.3148   -1.9905    2.5132   -0.77905   2.3727    1.0964
 -2.962    -1.8172    1.0838    0.5093   -0.55366  -0.18847  -1.6067
 -1.9976    5.3453    1.4727   -3.4213    0.87293  -0.34552  -2.5817
  1.812    -1.2783   -1.9948    1.876     1.2186    5.1903    2.8453
 -4.9811    3.8276    2.375    -1.2631    1.34     -0.73135  -0.9164
  0.75968   0.12064  -0.79727   2.5482    2.3908    0.16258   4.0969
 -4.1769    1.2074    0.21206   4.32      0.43072   1.5601   -0.036046
  3.5354   -0.69065  -2.846     1.4983    3.1248    2.714    -0.1913
  0.45963  -1.8088   -0.25022  -2.518     3.087     0.60722  -2.9796
 -3.6133   -2.6818    1.4228   -4.6723    1.4435   -0.16979   0.24743
  2.2211   -2.3792    5.4938    6.1623    5.8992    2.9507   -0.07426
 -0.71401   2.795     0.061777  1.3635   -0.84988  -0.04785   2.316
 -2.8749    4.0847   -1.0908    1.6635   -5.3062    0.089586 -0.4899
  4.3234    0.67879   2.7327    0.29044   1.3789    1.1499    1.1708
  1.3264   -1.2047   -0.87982   1.2153   -3.8564    0.35468  -0.091615
 -1.3895   -0.32225   2.3275   -4.932    -0.76255   1.4552  ]
for [-7.0781e+00 -2.6888e+00 -4.0868e+00  4.2781e-01  6.6163e+00 -2.9513e-01
 -2.2938e+00  6.5233e+00 -1.3721e-01 -1.1938e+00  1.1289e+01 -2.5486e+00
 -8.9449e+00  4.0549e+00 -4.3579e+00  2.6526e+00  1.0640e+00 -3.4229e+00
 -3.0306e+00 -1.1901e+01 -9.1264e-01 -2.4397e+00 -4.6913e+00 -5.9531e-01
  1.5948e+00  3.6752e+00 -3.0180e+00  5.4013e+00 -8.6925e-01 -3.5179e-02
  2.1385e+00 -3.9474e+00  1.7777e+00 -2.3057e+00  1.4347e+00  5.3092e+00
  1.9593e+00  4.6148e+00  1.5348e+00  1.4134e-01  1.8673e+00 -1.4416e+00
 -1.3225e+00 -4.3128e+00 -4.9547e+00  3.8462e+00  5.4495e+00 -6.3469e+00
  1.1100e+00  2.8255e+00  3.0642e+00  6.2240e+00 -2.9186e-01 -7.2492e+00
 -3.0956e+00  4.7555e+00 -5.2598e+00  5.1925e+00 -2.1839e+00  5.6881e-01
 -3.1559e-01 -1.7550e+00  1.5968e+00  1.7115e-01  4.9641e+00 -1.5559e+00
  1.6138e+00 -7.3951e+00 -4.0073e-01  2.7806e+00 -3.5436e+00 -4.4851e-02
  1.3120e+00 -3.1891e-01  3.1981e+00  3.5639e+00  2.4453e+00 -1.0523e+00
 -3.3403e+00  1.0225e+00 -5.7122e+00 -1.6717e+00 -3.6713e+00 -2.8249e+00
  1.3862e+00 -4.3737e-01 -1.2423e-01 -3.7046e+00  4.0316e+00  5.9859e+00
 -2.5816e+00  2.5189e-01 -2.0240e+00 -3.3970e+00 -7.8736e+00 -8.6327e+00
 -2.0470e+00 -8.5102e+00 -1.9796e+00  1.8714e+00  3.1721e+00 -4.1189e+00
 -1.9147e+00  1.3118e+01 -7.6743e-02  8.0296e+00 -7.0496e-01 -4.8340e+00
  3.8348e+00 -2.9934e+00  2.4532e+00  7.7714e-01  1.7467e+00  9.9351e-01
  1.5848e+00 -4.8852e-01 -8.9881e-01  7.0080e-01  1.1431e+00  1.1317e+00
 -5.9354e+00 -4.2196e+00 -2.0717e+00  6.6337e-01  9.1349e-01 -2.8043e+00
 -7.6580e-01 -2.6009e+00  4.5305e+00 -1.7351e+00 -4.0625e+00  2.2515e+00
  1.7439e+00 -4.2035e+00  4.7313e+00  9.0519e+00 -8.9775e-01 -3.0623e+00
  5.4121e+00  3.6922e-01  7.7216e-01  6.8835e-01 -2.3799e+00 -1.9479e+00
  1.7202e+00  1.6276e-01  3.4704e-01 -7.0878e+00 -1.1782e+00  7.2757e+00
  3.2876e+00 -1.1235e+00  1.7258e+00  7.8614e+00 -4.2899e+00 -6.5229e-01
  3.1328e+00 -3.5727e-01 -7.0618e+00 -3.5326e+00  1.7116e+00 -1.2378e-01
  4.7949e+00  9.4827e+00  1.3678e+00 -4.2841e+00 -8.7658e+00 -2.4761e+00
```

```
  1.6645e+00  2.1011e+00  7.5750e+00  2.3807e+00 -4.3393e+00  4.7744e+00
  1.9236e+00  3.1458e+00  3.4754e+00  2.6047e+00 -3.5096e+00  9.9934e-01
 -4.4714e+00  2.0981e+00  7.8886e+00 -2.6196e+00 -3.5528e+00  1.8814e+00
 -2.6222e+00  4.0241e+00  3.9460e+00  7.5522e+00 -2.2052e+00  2.6447e+00
 -8.1337e-01  9.5488e-01 -3.0366e+00 -9.0748e-01 -4.7438e+00 -4.2712e+00
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  7.2653e+00  5.6389e+00 -7.4857e+00  9.4467e+00  2.2679e+00 -1.4530e+00
 -4.2374e+00 -3.4093e+00 -1.3828e+00  2.7058e+00  5.2391e-01  5.3747e+00
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  3.7532e+00  3.2220e+00  1.7112e+00 -3.6127e+00 -4.2027e+00  5.5539e+00
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 -5.3397e-01 -3.1554e+00 -4.7009e-01 -1.2505e+00  3.9731e+00 -5.1367e-01
  6.6426e-01  1.6668e+00 -2.1447e+00  8.6215e+00  2.7532e-03  2.5093e+00
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 -4.9884e+00 -4.3332e+00  5.0488e+00 -5.5820e+00 -6.7443e-01 -4.3274e+00
  2.3369e+00  1.0846e-01  5.4184e-01 -6.9849e-02  5.5594e+00  1.7601e-01
 -3.3527e+00  5.8217e-01 -8.5895e+00  5.7321e+00 -9.4314e-01  1.8558e+00
 -6.4604e+00 -1.0613e+00 -3.4207e+00 -4.3524e+00 -1.8268e+00 -6.9293e-02
 -2.1578e+00 -4.0668e-01 -3.4751e+00 -1.0645e+00 -5.5365e+00  2.4746e+00]
our [ 4.2188e+00  2.4189e+00 -7.6222e+00 -1.9715e+00  1.0860e+01  1.7074e-01
 -4.5432e+00 -6.4374e-01 -4.7311e+00 -1.0812e-01  9.4769e+00  2.8752e+00
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  8.4221e+00  1.8391e+00  1.9205e+00 -5.9747e+00  1.1202e+00  2.7624e+00
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  9.0362e-01  5.8468e+00  2.5782e+00 -2.0587e+00 -8.4876e-01 -3.1010e-01
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  6.9698e+00 -6.0785e+00  2.6729e+00  3.5320e+00  7.9165e+00  7.5268e+00
 -2.2362e+00 -3.9215e+00  1.0349e+00  6.5642e+00 -9.2096e-03  1.9206e-01
 -4.7614e+00  4.9714e-01  2.7267e+00  5.9059e+00 -2.9203e+00  1.0952e+00
 -2.8595e+00  9.0055e+00  1.5135e+00 -6.7915e+00 -7.2961e-01  2.3690e+00
 -9.1595e+00  3.4519e+00 -3.2262e+00  1.4143e+00  5.8372e+00  1.0782e+00
  5.6058e-01 -1.0978e+01  3.0109e+00 -6.1464e+00 -1.8954e+00 -5.7398e+00
  3.7735e+00 -4.2830e+00 -1.1491e+00 -3.8407e+00 -3.4426e+00 -2.3294e+00
  7.5827e+00 -2.0380e+00 -1.2434e-01  3.2363e-01 -2.3737e+00  3.9107e+00
  2.6657e+00 -1.1347e-01 -5.7923e+00  4.8923e+00  2.8628e+00  6.1752e+00
 -6.3037e-01  6.4952e+00 -4.6373e-01 -6.3093e+00 -8.4147e-02  3.9409e+00
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 -1.3618e+00 -8.8723e+00 -1.6223e+00 -2.9747e-01 -5.6465e+00  1.9386e+00
 -4.7506e+00 -5.6030e+00  7.2860e-01 -6.4350e+00 -7.9065e+00  6.5915e+00
  2.7399e-01 -1.9326e+00 -9.6462e+00  8.3157e+00  1.5336e+00  2.7199e+00
  8.5313e+00 -1.2390e+00 -3.9633e+00 -4.3672e-01 -4.3342e-01  8.4778e+00
 -1.8854e+00 -5.9327e+00 -2.3165e+00 -4.0702e+00 -1.0673e+00  1.3675e+01
 -8.6705e-01  1.6020e-01  1.0088e+00 -2.1392e+00  1.9082e+00  2.4884e-01
```

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  7.3450e-01  4.5666e-01 -3.7017e+00 -1.7129e+00  3.4969e+00  3.1564e+00
 -8.1239e-01 -1.1253e+00  5.1949e-01 -2.6003e+00 -2.2627e+00  6.9691e+00
 -7.5023e+00 -6.7180e+00  5.5937e+00  3.1171e+00 -4.3326e+00  1.5647e+00
 -8.9050e+00  3.4664e+00  2.2237e+00  3.6907e+00  5.9652e+00 -4.1055e+00
 -6.5722e+00  2.9971e+00  5.4105e+00  7.1612e+00  7.6141e+00  1.6062e+00
  1.2070e+01 -9.6308e-02 -6.9022e+00  6.1414e+00 -8.6102e-02 -1.6040e+00
  5.3825e+00 -2.5155e+00 -2.3230e+00 -1.0641e+01  1.7481e+00 -1.0509e+00
  3.1765e+00 -4.1706e+00 -4.3150e+00 -1.5335e-01 -2.1606e+00  8.3433e+00
 -4.1675e+00  1.1717e+00 -8.8807e+00 -8.9613e-01  4.2223e+00  4.3896e+00
 -2.0232e+00 -5.6209e+00 -3.0094e+00 -3.8138e-01  1.2572e+00 -1.1656e+00
  3.2346e+00 -3.4925e+00 -5.9333e+00 -5.4771e+00 -1.2307e+01  1.8042e+00]
nation [ 1.3541e-01 -1.1939e+00  9.0852e-01  3.9336e+00  8.9125e+00  3.4596e+00
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 -3.7184e+00 -6.9894e-01 -3.1624e+00  7.0430e+00  3.3318e+00  2.6366e+00
 -6.8849e+00 -1.9478e+00  5.8948e+00  1.9110e+00 -3.1848e+00  4.7956e+00
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 -3.4165e-01  2.2595e+00 -2.6414e+00 -1.5760e+00 -1.4066e+00  3.3317e+00
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  5.4882e-01 -2.1505e+00 -2.3443e+00 -3.0505e+00  7.7980e+00  2.9367e-02
 -3.8911e+00 -6.6136e-01  4.3683e+00  2.7401e+00  1.4623e+00  1.8230e+00
 -3.9358e+00  3.6493e+00 -7.6708e-01  1.4702e-01 -4.9025e+00  5.7267e+00
 -4.1889e+00  4.0302e+00 -3.8544e+00  2.8267e+00 -3.5043e-02  1.8065e+00
  1.8935e+00  4.3984e+00 -6.4705e+00 -6.8640e+00  4.8279e+00 -2.4028e+00
  2.9262e+00  2.4720e-01  6.1469e+00 -3.6506e+00 -3.3120e-01  1.7224e+00
 -5.9955e-01  3.4623e+00  1.2462e+00  1.9547e-02  8.9190e+00 -1.0578e+00
  7.4962e+00 -3.2882e-03 -6.4324e-01  6.2504e+00  2.5256e+00 -5.0143e+00
 -6.9739e-01 -5.5022e+00  3.6860e+00  3.0743e+00 -4.6615e+00  1.9496e-01
  1.6684e+00  2.3216e+00 -3.0245e+00 -2.2647e+00 -8.8600e-01  1.4854e+00
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  8.3638e+00  4.2939e+00  1.6196e+00  2.1942e+00 -2.1866e+00  6.0760e+00
 -3.0756e+00  1.2205e-01 -5.3311e+00 -2.2059e+00  2.6571e+00  7.0471e+00
  2.8513e+00  2.7467e+00 -9.3484e+00 -6.2656e-01  1.4540e+00  6.5243e+00
  7.5555e-01  1.6456e+00 -4.1155e+00 -2.1547e-01 -1.0056e+00  4.8440e+00
  6.3335e+00 -1.5255e+00 -2.6921e+00 -2.0665e+00 -1.3351e+00 -1.9524e+00
  1.1756e+00  7.8910e+00 -1.5439e+00 -5.9374e+00 -3.7959e+00 -1.0981e+00
  3.2149e+00 -4.3445e+00 -2.8084e+00 -5.6259e-01  2.7604e+00 -7.1218e-01
 -6.6205e-01  3.7914e+00  1.9646e+00 -1.5822e-01 -3.3307e+00  2.0188e+00
 -2.2401e+00 -3.1114e+00 -3.7218e+00  1.5613e+00 -1.2674e+00  3.0746e+00
 -1.8605e+00  4.6248e+00  9.0524e+00  3.7901e+00 -1.1387e+00 -4.5600e+00
  5.9479e-01  2.3627e+00  4.4132e+00  1.4077e+00 -7.8987e+00  6.7108e-01
  5.4386e-01  4.3518e+00  5.1078e+00 -1.5029e+00 -2.8147e+00  1.2554e+00
  8.4765e+00 -5.1209e+00 -4.0431e+00  2.4990e+00 -3.6803e+00 -1.3882e+00
  3.0457e+00  1.7655e+00 -7.9885e+00  2.8494e+00  4.2307e+00  2.2022e+00
  5.9723e+00 -8.1006e+00  3.6186e+00 -1.1009e+00 -4.6074e-01  5.0492e+00
  1.2283e+00 -1.3591e+00 -1.3034e+00 -7.1051e-01  1.7238e+00  4.3649e+00
 -1.1711e+00 -3.4811e+00  7.9147e+00 -1.6944e+00 -1.7676e+00  5.0505e+00
  2.8500e+00 -2.4987e+00 -2.5844e+00 -3.1802e+00 -2.4285e-01 -5.1951e+00
  4.6041e+00  1.7549e+00  1.6926e+00 -2.8449e+00 -1.2255e+00  1.1430e+00
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 -9.6558e-01  2.3656e-01  2.2469e+00 -4.8040e+00 -2.7371e+00  3.6110e+00]
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  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
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  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
 -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
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 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
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 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
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 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
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 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
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 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
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 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
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 -1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
 -8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
 -0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
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  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
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  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
  5.6221e+00 -2.1393e+00  2.2315e+00 -9.0514e-01 -2.4562e+00  3.5317e+00
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 -9.5325e+00 -9.3627e-01  9.4870e+00 -6.4368e+00  1.2151e+00  1.5027e+00
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 -9.6689e+00  8.0026e+00 -2.3921e+00 -9.6044e-01  6.6856e+00  5.5901e+00
  8.1997e-01  6.2485e+00  9.5520e+00 -3.0288e+00 -3.1226e+00 -4.7422e+00
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 -2.9354e+00  1.0294e+01  3.3965e+00  6.3775e+00  9.1588e+00 -5.9524e-01
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 -2.5604e+00 -1.3254e+01  1.0182e+01  8.3581e-01  3.2652e+00 -2.1343e+00
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  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
The [-7.2681e+00 -8.5717e-01  5.8105e+00  1.9771e+00  8.8147e+00 -5.8579e+00
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  8.0214e+00  2.2098e+00 -1.1049e+01  7.6001e-02 -1.5970e+00  2.0524e-01
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  8.8719e+00  7.2337e-01 -1.2350e+00  1.6209e+00  7.8994e+00  1.0741e+01
  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
Pentagon [ 0.52443    0.79593   -2.2165     2.0155     2.0869    -0.12252
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 -1.2383    -0.62303   -0.44672   -2.2386     0.3982    -1.6078
  0.88977    2.6935    -0.70111    0.69102    1.9652    -3.4395
 -0.12878    0.29642   -1.8982    -0.5467    -0.55189    0.54335
  0.2598     0.92117   -0.5939    -0.30011    2.1279    -0.2426
 -1.5942    -1.5893    -1.6967     3.3089    -0.66933    0.80957
  0.33524    0.73478    1.2229     2.025      1.8258     0.73079
 -0.15618   -1.5131    -0.99093   -2.5667    -2.0229     3.4268
  2.4865    -1.8452    -0.2867    -0.024349   0.63084   -0.57988
 -0.99632    0.8302     2.1633     2.0045     4.237     -0.79556
  1.1667     1.6904     0.78709    1.3119    -0.35972    1.1268
  1.6793    -0.14541   -1.5589     0.76895   -0.62482    0.20113
 -0.23124   -1.3086     1.3977    -0.97293    1.8329    -0.51954
 -1.2957     0.78436   -1.7841    -1.159     -1.5448     1.339
  1.4021    -4.4592     3.6555    -1.8197     2.121     -1.5274
  2.5059     1.6276    -1.4977     0.32597   -3.6384    -1.5931
  0.78714   -2.2293    -1.1005     0.45554    0.013057   0.61424
  1.7632    -0.10157   -1.5074    -1.6073    -0.99308   -0.71961
  0.51202    1.9601    -4.1721     2.6278    -1.3458    -1.8317
 -2.0582    -0.66042   -3.4645     1.0956    -1.4123     0.0073083
  1.1225    -2.0737     0.48774    0.16384    0.52972   -2.0692
 -0.71954   -1.8107    -1.001      1.4949    -1.0661     0.37295
  3.1596     0.59261   -1.4723     0.23279    0.44529    0.45866
 -1.569      1.4237     0.71452   -2.2939    -1.7038     0.5961
 -0.75206    3.6732    -1.9044     3.4925     1.959     -0.73524
 -0.044708   1.5317     2.5496    -1.2991     3.7382    -0.44475
 -0.72421    1.2578    -2.6066     3.2682    -0.48535    0.82384
 -1.8108     2.6049    -0.67909    0.54862   -1.1485    -0.75129
  1.5249     2.6948     1.4222    -0.063914  -1.7914     0.44538
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 -2.8932    -1.2564     3.1986    -2.2971    -2.3289     1.7803
 -0.42011   -1.3658    -0.62678    0.042925   0.079371   2.5747
  1.9593    -0.84149    3.9142    -1.0977    -2.1406     1.9141
  1.5403    -1.3535    -0.77566    1.9648     3.2984    -3.6057
 -1.7667    -2.6369    -1.8183     1.2174     1.2095    -2.6886
  0.33094    0.2321    -1.7574     1.8337     0.33417    2.4968
 -2.811     -1.1617    -0.57695    3.5224    -1.2206    -0.75837
 -3.4895     1.7614    -1.5328    -0.41902    0.81271    0.014599
 -1.0709    -2.0529    -1.5466     1.995      0.38452   -1.9365
  0.25781    0.24731   -0.53724    0.45851    0.94217    1.7329
  0.097648   1.661      0.96245    0.47079    1.0751    -0.21693
 -1.9512     1.4885     2.317     -1.1123    -0.91343    0.77644  ]
announcement [-0.12845   -1.1395     2.5833     1.3903     4.7232    -0.65454
 -0.014156   2.8367    -0.42102   -3.0448     1.7851    -1.6724
 -6.9737    -1.2122    -1.1295     3.8463     3.6584     1.0441
 -2.8086     2.7414     3.0148    -1.6778    -1.7035     3.1545
 -0.25365   -1.3329    -0.89698    0.74595   -0.42786   -1.1603
  0.48168    1.4131    -0.47278    0.76314    2.0557    -2.107
  0.83691    2.151     -0.14112   -2.8633     0.89216    0.55206
 -0.60486   -1.5851    -5.3946    -1.7441     3.2122    -0.45984
  0.13763   -0.64222   -1.6186     1.4825     0.98403   -2.6299
  0.67437   -0.97299   -1.5134    -0.68933   -1.0504    -0.52243
  2.0488     0.36843   -0.62796    0.81835    3.7545     0.62534
 -2.0868    -0.053061   1.3053     2.4051     0.067138  -1.2063
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  0.29733   -0.31571   -0.78701    0.44359   -0.50022    0.60683
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 -0.95077    1.6172     0.66096   -0.18766    2.417      3.2723
  1.4432    -1.2328     2.6611     0.19762    2.8862     0.76852
  2.0091     0.93104   -1.8303     2.5285     0.088005   0.044687
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 -0.32456   -0.14893   -1.8621    -1.6211    -1.8098    -0.75086
 -0.68084   -3.2032     5.804      1.4439     0.36826   -1.0042
  1.7669     1.0409     1.2398    -6.4025    -5.2833     1.27
  3.1434     0.43849    0.33291    0.1884    -0.28134    0.58963
  2.3465     2.5034    -2.1446     0.2006    -0.039874   0.73573
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  0.42813    0.50108    0.0089705  2.411     -0.60407    1.0058
  0.67815   -0.054876  -2.9989    -0.9559     2.3153    -2.2098
 -2.226     -0.36659    0.13598   -2.8221    -1.7645     1.4151
  1.9035     0.072642  -0.81548    0.97855   -2.2415    -2.866
  1.5928     1.8435     0.62026    0.31511   -1.298      1.172
 -0.94719    2.6508     0.5012     4.6809    -0.86976    3.0164
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  1.0156    -0.6752     1.2765    -1.087     -2.1255    -1.3331
 -4.4956     2.3643    -1.6598    -1.0822    -0.24559   -3.938
  1.4055     1.3488     2.0018     4.9954    -0.22809    1.2807
  1.4628    -0.82379   -2.7073     2.5864     1.748      1.0853
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 -2.6189    -1.9287    -2.471     -0.91888   -0.50333    2.5167
 -1.7286     1.1014     4.1288    -5.349     -3.2345     0.68292
  2.5097    -0.21327   -0.17293    1.0541    -0.35822    0.21222
 -0.037454  -1.2467    -1.1998     1.1807    -0.66396    2.3542
  0.63738   -2.3922    -0.34212    1.2268     0.14143   -2.7684
 -3.4123    -1.8124     0.41801   -1.475     -0.70598   -2.1559
  1.71      -1.0302    -3.5217     1.3132     0.63008    4.3752
  3.2086    -1.344     -0.13257    2.3751    -1.992     -1.8605
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 -1.7835     0.41213    5.0136    -3.0586     0.63276    2.5679   ]
did [-3.4305e-01  9.9838e+00 -3.4316e+00 -7.3063e+00 -4.4806e+00 -3.0144e+00
  3.8632e+00  6.2853e+00 -4.7768e+00 -9.6205e-02 -3.6811e-01  1.4719e+00
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  6.6520e-01  1.0485e+00  7.1774e+00  7.5269e-01  9.5344e+00  4.7190e+00
  7.7079e-01  1.2482e+00  3.3837e+00 -1.5505e+00 -9.4393e-01 -1.9455e+00
 -2.6790e-01 -2.4942e+00  5.0019e+00 -1.3545e+00 -1.3072e+00  1.0531e+01]
specify [-3.0877e+00  1.2134e+00  5.4832e-01  2.3353e+00  2.9632e+00 -3.2388e-01
 -1.1647e+00  2.6355e+00 -4.6963e+00 -1.1296e+00  7.2992e+00  3.1069e+00
 -8.6113e+00  2.1624e+00  2.3152e+00  1.1095e+00 -4.5399e-01  5.5804e-01
 -2.0232e+00 -1.5865e+00 -2.4487e+00 -4.4937e+00 -3.6924e+00  4.6855e+00
  7.7211e-01 -3.4177e-01 -3.7613e-01 -1.2456e+00 -2.8645e+00 -1.1627e+00
  9.1297e-01 -1.3883e+00 -2.2495e+00 -1.1555e+00  7.1410e-01 -1.5881e+00
 -1.3207e+00 -2.5374e-01  4.6616e+00  3.8673e+00 -7.2461e-01 -1.9981e+00
  7.4295e-01 -1.9210e+00 -3.1490e+00  2.6246e+00  4.3238e+00  4.3803e-01
 -4.0997e+00 -2.5451e+00  8.3807e-01  3.2081e+00  2.1690e+00 -3.6755e+00
 -4.1551e+00  2.5806e+00 -2.7609e+00  3.4042e+00 -1.6778e+00 -1.8964e+00
  1.2645e+00 -1.3606e+00 -5.4930e+00  5.9371e-01  4.0043e+00  5.0614e+00
 -2.2663e+00 -4.8035e+00 -2.0513e+00  4.7498e+00 -2.9056e+00  1.5852e+00
 -3.3185e+00 -1.6113e+00  6.3201e-01  3.5189e+00 -4.6103e-01 -8.7024e-01
 -1.3874e+00  4.5270e+00 -2.2628e+00  6.3695e-01 -1.1405e+00  5.0553e+00
  1.1537e+00 -1.0192e+00  5.3609e-01 -1.4521e+00  3.8988e+00  2.0184e+00
```

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  1.2958e+00 -2.0029e+00 -4.4821e+00  3.7269e+00  9.4600e-01  2.2794e+00
 -8.1943e-01  1.9737e-02 -1.0615e+00  7.3269e+00 -1.4942e+00 -2.4308e+00
 -2.7415e+00  4.7845e-01  3.2524e+00  1.3983e+00 -3.5884e+00  1.6281e+00
 -2.9956e+00  2.9352e+00 -2.2746e+00  9.2179e-01 -3.7289e+00 -2.2717e+00
 -2.5764e+00 -3.2810e+00 -2.4961e+00  3.4344e-01 -4.3735e+00 -3.7581e+00
  7.7576e-03 -2.0078e+00  2.5567e+00  8.5639e-01 -8.4333e-01  2.5587e+00
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  2.7819e+00 -4.6359e+00  1.4588e+00  3.6061e+00  2.4385e+00 -1.3198e-01
 -2.2702e+00 -1.8975e+00  1.2871e+00  1.1360e+00 -2.6783e-01  2.5956e+00
 -1.4172e+00  1.9069e+00 -1.4205e+00  1.7025e+00  3.2719e+00 -2.4401e+00
 -8.7722e-01  2.5180e+00 -1.8033e+00 -6.2076e-01 -1.5553e+00 -1.0556e+00
 -6.7992e-01  9.8748e-01 -1.7657e+00  7.8199e-02 -6.0177e+00  2.1098e+00
  1.2096e+00 -9.6332e-01 -7.8516e-03 -1.2380e+00 -1.2428e-01  5.3023e-01
  4.8040e+00  1.6021e+00  3.1525e+00  7.9079e-01 -2.1770e+00 -9.3572e-01
  2.1762e+00 -9.8554e-01 -3.8584e-01 -2.5022e+00 -5.7973e-02 -4.5027e+00
  6.6559e-01 -9.8662e-01 -3.2910e-01  3.8228e+00  1.4246e+00 -2.9462e+00
  8.4296e-01  9.0978e-01  4.9237e-01  3.5383e+00 -2.6698e+00 -2.2059e+00
  3.1001e+00 -3.7619e-01 -3.0716e+00 -2.2519e+00  5.1289e-01 -1.6133e+00
  1.5048e+00  1.8632e+00 -3.8117e+00  2.9720e+00  5.0159e+00  1.3349e+00
  1.9967e+00 -4.8223e-01 -4.4254e-01  1.5044e-01 -7.9153e-02 -2.2669e-01
  2.9767e+00 -5.0829e-01 -1.6259e+00  3.6602e+00 -2.3109e+00  6.5969e-01
 -1.3769e+00 -1.5517e+00 -3.4567e+00  2.9830e-01 -2.1832e+00  1.4095e+00
  2.1548e+00 -1.4739e+00  1.1385e+00 -4.4426e+00  1.5257e-01 -9.4377e-01
  3.1434e+00 -1.0769e+00  1.9929e+00 -2.0202e-03  2.3586e+00 -2.3068e-01
 -4.8409e+00  1.7504e+00 -4.2200e+00  5.0586e+00 -1.4604e+00  4.0416e+00
 -1.5843e+00 -1.0732e+00  4.9626e-01  5.4586e-02  3.2361e+00 -3.9360e+00
 -3.9775e+00 -1.1840e+00  2.1930e+00 -1.6820e+00  2.1755e+00 -3.0181e-01
  2.0513e+00 -2.1725e+00 -1.2368e+00  6.0533e+00 -1.7210e+00  2.4423e+00
  1.2639e+00 -1.7580e+00  9.3579e-01  2.2840e+00 -4.0563e+00 -2.4381e+00
 -1.5468e-01 -8.9374e-01 -3.0245e-01 -1.8674e+00 -7.3084e-02 -2.9835e+00
  9.4067e-01  8.7041e-01 -3.2978e+00  2.0158e+00  6.6496e-01  1.2034e+00
  1.7343e+00 -1.2353e-01  2.9545e-01  6.1729e-01  2.6038e+00  3.6523e+00
 -1.1712e-01  5.5824e-01 -1.0363e+00  6.0703e-01  2.1674e+00 -8.4060e-02
 -1.5621e+00 -1.1680e+00 -7.9877e-01 -2.2010e+00  1.9335e-01  5.3012e-01]
an [ 1.1492e+01  2.9806e+00  1.5917e+01 -1.1007e+00  1.1810e+01 -8.6902e+00
  9.6386e+00  7.8863e-01  5.6875e+00 -1.5090e+00  7.3024e-01 -8.3059e+00
  9.5240e+00 -6.7055e+00 -8.8117e-01  1.4043e+01  1.3150e+01  4.0444e+00
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  6.3905e+00 -1.9665e+01 -9.1201e+00 -7.8579e+00  5.6861e-02  3.1780e+00
 -6.8000e+00  1.9414e+00  8.4266e+00  2.5281e+01 -5.2429e+00  6.6870e+00
  2.1423e+00  2.5470e+00  2.1727e+01 -1.0296e+01 -1.5792e+01 -2.9708e+00
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 -4.0285e+00 -7.7504e+00  4.2133e+00  7.1952e+00 -9.3941e+00  3.4554e+00
 -1.0071e+01 -5.2053e+00  1.7429e+01  1.4141e+01 -8.3836e+00 -1.1136e+01
  1.1165e+01 -6.0036e+00 -3.5206e+00 -6.2784e+00  1.8195e+00  1.1510e+01
  4.6956e+00 -5.8696e+00  8.7432e+00  3.6906e+00 -7.3153e+00  2.4272e+00
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  1.5722e+01 -3.9623e+00  4.4711e+00  8.1608e+00 -2.2162e+00  1.1204e+00
  5.7542e+00  5.5387e+00  3.3057e+00 -4.7269e+00 -3.0476e-01 -1.1546e+01
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```

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  5.6464e+00  2.5914e+00  3.1431e+00  2.1365e+00 -9.3743e+00  9.0186e+00
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 -6.6383e+00 -2.2209e+01  8.1276e+00  1.0318e+00  1.7660e+01  7.0561e+00
  3.1211e+00 -9.4268e+00 -7.5802e+00  2.3077e+01 -1.5692e+00  2.0066e+00
  1.3172e+00 -4.9686e+00 -5.5032e+00  3.0082e+00 -1.3036e+01  9.7032e+00
  3.3867e+00 -1.0157e+01  3.8754e+00 -8.0544e+00 -8.9995e+00 -5.1331e+00
  1.0968e+01  1.0304e+01 -6.0531e+00  1.1234e+01 -7.2760e+00 -4.7201e+00
  1.9691e+00  1.3650e+01  2.3952e+01  1.1497e+01 -4.1975e+00  2.4819e+00
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 -4.5140e+00  4.2369e+00  8.6928e-01  1.2578e+01 -1.2936e+01 -8.7743e+00]
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   3.4033     0.42522   -1.0356    -1.3544     3.3133    -6.3381
 -11.816      7.014      9.5446     2.7303    -2.1327    -2.0813
  -4.665      1.2945     3.1155     6.4078    -2.2394     3.911
  -0.54756    1.2022    -0.081265   6.3584     7.6873    11.834
  -1.6596     3.4466     0.08506   -9.2563    -4.6316    -0.74418
   7.6083     7.8625     6.0853     2.4991    -3.5414    -4.044
   1.7664    -4.2385    -0.046702   2.8805    -2.6269     4.0727
  -2.7324     0.42008   -1.8317     3.0565     3.107     -4.0853
  -3.5097     4.7364    -5.3192     1.7582     1.4216     2.2801
  -0.29369    2.1135     2.2301    -6.6191    -3.5179     1.27
  -0.65062    2.0238    -2.8557     2.4986    -0.15604   -2.365
   2.333     -1.3865     4.5527     5.6984     5.0443    -5.4941
   1.5394    -1.0178    -1.8591    -5.8474     4.2915     1.0072
   7.4379    -5.928      1.1038     3.8837    -2.9432   -10.167
   1.2216     3.0869     5.6385     1.4303     8.7933    -1.6591
   0.022414  -0.41746   -4.648      0.54404    0.85913    2.9259
   3.9782     1.0755     2.0465     0.67722   -2.458     -4.0286
  -5.3164    -0.51491   -3.6291    -4.1256    -1.1748     5.3614
   1.3414     7.0428    -1.2883    -7.6847     4.2697     2.2631
  -0.60109   -6.9044     0.26772    0.13041   -5.8389    -4.6231
   5.534      3.9973     3.6634    -2.4514    -7.8339     0.1924
  -0.44949   -0.40991   -0.87045    1.5704    -0.30707    2.8186
  11.122     -7.7729    -2.6844    -1.7423    -6.0433     3.831
   6.3712     6.4312    -9.7101    -4.6108    -0.24958    4.0918
  -7.0527     4.7296     0.78109    4.9324     0.59951   -2.208
   0.51016   -1.2044     6.0971    -6.9973    -4.144      0.48461
  -1.1335    -3.701     -2.8344     4.8912    -1.8938    -0.39148
   5.31       0.90677    2.1655     9.2957    -6.5746    -2.1231
  -4.9898    -3.4749    -9.4483     1.3528     0.45082   -2.6952
  -5.1329     8.963     -3.6616     9.9461    -1.5086    -1.6271
   3.0202    -6.5538     0.34466    6.2942    -4.0009     5.2834
   2.222     -9.223     -4.8291    -5.8188    -0.26042   -3.4467
  -6.8098     6.7473    -4.2069     1.4117    -3.0032    -7.4409
  -2.3381     0.046221  -2.2809    -3.2309    -5.1224    -1.1336
```

```
  -9.3288    11.082     -3.9685    -1.2492    10.518     11.831
  -5.2959    -0.015052  -2.7133    -8.0224    -7.8422    -4.9069
  -2.3936     4.4288    -2.3897    -1.25      -7.9168     7.9956
  -4.798      3.2495     2.7227    -9.2111     1.3785     6.2889
   9.0395    -5.5498    -4.6228     0.12395    0.060881  -1.8968
  -4.1305    -4.1066    -1.2076     5.4491    -3.8774    -1.3896
   2.9735     8.0758     4.6031     1.6772     0.96396    5.1005
  -6.6413     3.4025     0.50573    3.0542     2.5502    -1.1924
   7.7679     6.9033     3.6761     7.7782     0.94335    2.9844
  14.223     -3.8554    -4.3362    -1.6665    -8.3591    -8.7987
   4.2658    -0.29694   -8.298     -0.28307   -2.3171    -2.2103
   1.0235    -1.3111     2.3228    -5.2525     8.2065     8.0811
   1.0092     3.0657    12.455     -2.5979     5.1283     0.25113
  -2.437     -0.97156    0.7833    -1.535      1.4549    -3.9085
   4.3105     4.9532     6.6838    -7.2154     1.2463     4.8734  ]
date [-9.0593e-01  1.5009e+00  5.3067e+00 -3.1042e+00  4.1102e+00 -2.9206e-01
  4.1361e+00  5.4347e-01 -8.8578e-01  2.5668e+00  4.2652e+00 -2.3912e+00
 -5.3212e+00  1.2148e-01  1.4707e-01 -2.9343e+00  7.2096e+00  2.6845e+00
 -3.1706e+00 -2.8474e+00 -2.3922e+00  1.1571e+00 -2.3168e+00  9.9834e+00
 -4.7934e+00  4.8883e+00 -3.4633e+00  2.4706e+00  1.3030e+00  6.3384e+00
  4.7103e+00  2.1516e+00 -2.9688e+00 -6.0483e+00  1.3887e+00  2.8596e+00
 -2.3536e+00  2.0842e-01  7.7208e+00  2.0861e-01  1.1311e+00  3.9083e+00
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 -8.0122e-01  1.9405e+00 -1.1047e+00 -8.0235e-01 -3.8702e+00 -5.1591e+00
 -2.4431e+00  5.9495e+00 -5.8107e+00 -3.2762e+00  3.3514e+00  8.8445e-01
  2.4277e+00 -4.4271e-01 -3.8557e+00 -2.6247e+00  3.8989e+00  9.9824e-01
 -7.3304e-01  1.7915e+00 -8.9181e+00  7.9784e+00 -8.6754e+00 -7.3857e+00
 -2.5626e+00 -8.8533e+00 -1.1443e+00  8.5870e+00  4.5492e+00 -9.3223e+00
  2.6372e+00  4.5992e+00  1.6768e+00 -2.1136e+00 -3.4182e-01 -1.4858e+00
  4.4349e+00 -7.3363e-01  1.2177e+00 -1.3337e-01 -4.1311e+00 -4.1088e+00
  1.1957e+00  3.8211e+00  2.6535e+00  3.8395e+00 -1.0919e+00  1.2554e+00
 -3.8681e-01 -2.1359e+00  2.1078e-01 -4.9483e+00  6.7858e+00  6.1668e+00
  1.2814e+00 -1.8258e+00 -1.9543e+00 -1.1511e-01 -1.6223e+00 -3.1591e+00
 -2.3796e+00 -2.2646e+00  1.8331e-01  3.2327e+00 -2.0656e-01  1.0425e+00
  1.7851e-02  1.6149e+00 -4.2516e+00 -1.0363e+00  3.2820e+00 -2.5570e+00
  9.6709e-01 -1.6894e+00  3.3161e+00 -1.3428e+00 -4.9128e+00  2.7705e+00
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 -2.7485e-01 -2.2912e+00  1.5122e+00 -5.3096e+00 -1.5593e+00 -2.3670e+00
  5.0029e+00 -3.1200e+00 -5.3196e-02 -9.6210e-01  4.7920e+00 -5.0161e+00
 -3.6129e+00  3.2276e+00 -1.8692e+00 -1.6317e+00  2.2610e+00  4.6800e+00
 -5.2597e+00  4.9806e-01  6.2977e+00  1.7948e+00  5.7156e+00 -4.1040e-04
  2.3669e+00  8.9324e-02  1.7444e+00  8.5969e-01  1.9708e+00 -5.9377e+00
  1.5718e+00 -4.8568e+00 -6.1390e+00 -2.9336e+00 -4.9461e+00 -9.6112e-01
  3.6850e+00 -1.2482e+00  1.0354e+00  1.5819e+00 -3.3575e+00  1.4756e+00
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  3.6345e+00  4.4863e+00  3.3672e+00  7.2030e-01  1.2226e+00 -6.1264e+00
 -3.0742e+00 -1.6684e+00  2.1464e+00  3.9714e+00 -1.9897e+00  4.2316e-01
 -5.2318e+00  7.5145e-01  5.0193e+00 -1.1194e-01  5.1177e-01  8.8224e-01
 -2.0352e+00  8.5833e+00 -2.2908e+00 -4.6559e+00 -3.8145e+00  2.0802e-01
  3.6096e+00  4.9417e+00  1.8811e+00  1.5175e+00  4.3652e+00 -4.3659e+00
  7.3947e-01 -1.6567e+00 -3.2133e-01  7.3594e+00  3.2708e+00 -8.7022e-01
  2.1857e+00  3.1909e+00 -2.8858e+00 -2.0672e+00 -4.5844e+00 -3.6827e+00
 -1.8919e+00  7.0175e-02 -8.4264e+00 -4.5008e+00 -4.7287e+00  4.2212e+00
 -5.7186e+00  5.1033e+00  3.1867e-01 -4.1505e+00 -3.8816e+00  3.7229e+00
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 -4.6439e+00 -3.8093e+00  1.6031e+00  2.0981e+00 -1.9452e+00 -1.7496e+00
 -2.3258e-01 -2.7657e+00  7.5378e+00  2.5831e+00  2.2737e+00 -4.8831e+00
 -4.2019e+00 -6.4168e+00  2.5209e+00  7.3359e+00  1.2823e+00  1.6114e+00
 -5.3769e-01  1.8356e-01 -1.1943e+00  3.1308e+00 -2.6156e+00  3.8446e+00
  5.3441e+00  3.3311e-01  3.3021e+00  9.9195e-01 -1.0109e+01 -3.8321e+00
```

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 -6.1844e+00  1.3935e+00 -5.9446e+00 -2.2944e+00 -8.1985e-01  3.8157e+00
 -1.7725e+00  1.4351e-01  1.7328e+00  4.8763e+00  2.8119e+00 -4.2637e-01
  1.7060e+00  2.8368e+00  1.6489e+00 -1.3676e+00  2.6592e+00 -1.4972e+00
 -5.0027e+00 -3.0552e+00  8.2966e+00  1.2828e+00 -2.2127e-01  2.5682e+00
 -2.4357e+00 -2.0234e+00  2.4821e+00 -1.4840e+00  1.3818e+00  1.2598e+00]
for [-7.0781e+00 -2.6888e+00 -4.0868e+00  4.2781e-01  6.6163e+00 -2.9513e-01
 -2.2938e+00  6.5233e+00 -1.3721e-01 -1.1938e+00  1.1289e+01 -2.5486e+00
 -8.9449e+00  4.0549e+00 -4.3579e+00  2.6526e+00  1.0640e+00 -3.4229e+00
 -3.0306e+00 -1.1901e+01 -9.1264e-01 -2.4397e+00 -4.6913e+00 -5.9531e-01
  1.5948e+00  3.6752e+00 -3.0180e+00  5.4013e+00 -8.6925e-01 -3.5179e-02
  2.1385e+00 -3.9474e+00  1.7777e+00 -2.3057e+00  1.4347e+00  5.3092e+00
  1.9593e+00  4.6148e+00  1.5348e+00  1.4134e-01  1.8673e+00 -1.4416e+00
 -1.3225e+00 -4.3128e+00 -4.9547e+00  3.8462e+00  5.4495e+00 -6.3469e+00
  1.1100e+00  2.8255e+00  3.0642e+00  6.2240e+00 -2.9186e-01 -7.2492e+00
 -3.0956e+00  4.7555e+00 -5.2598e+00  5.1925e+00 -2.1839e+00  5.6881e-01
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  1.3120e+00 -3.1891e-01  3.1981e+00  3.5639e+00  2.4453e+00 -1.0523e+00
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  1.3862e+00 -4.3737e-01 -1.2423e-01 -3.7046e+00  4.0316e+00  5.9859e+00
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 -2.0470e+00 -8.5102e+00 -1.9796e+00  1.8714e+00  3.1721e+00 -4.1189e+00
 -1.9147e+00  1.3118e+01 -7.6743e-02  8.0296e+00 -7.0496e-01 -4.8340e+00
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  1.5848e+00 -4.8852e-01 -8.9881e-01  7.0080e-01  1.1431e+00  1.1317e+00
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 -7.6580e-01 -2.6009e+00  4.5305e+00 -1.7351e+00 -4.0625e+00  2.2515e+00
  1.7439e+00 -4.2035e+00  4.7313e+00  9.0519e+00 -8.9775e-01 -3.0623e+00
  5.4121e+00  3.6922e-01  7.7216e-01  6.8835e-01 -2.3799e+00 -1.9479e+00
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  3.1328e+00 -3.5727e-01 -7.0618e+00 -3.5326e+00  1.7116e+00 -1.2378e-01
  4.7949e+00  9.4827e+00  1.3678e+00 -4.2841e+00 -8.7658e+00 -2.4761e+00
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  1.9236e+00  3.1458e+00  3.4754e+00  2.6047e+00 -3.5096e+00  9.9934e-01
 -4.4714e+00  2.0981e+00  7.8886e+00 -2.6196e+00 -3.5528e+00  1.8814e+00
 -2.6222e+00  4.0241e+00  3.9460e+00  7.5522e+00 -2.2052e+00  2.6447e+00
 -8.1337e-01  9.5488e-01 -3.0366e+00 -9.0748e-01 -4.7438e+00 -4.2712e+00
  1.1800e+00 -4.7609e+00 -5.4633e+00 -3.9694e+00  5.6555e-01 -3.9886e+00
  7.2653e+00  5.6389e+00 -7.4857e+00  9.4467e+00  2.2679e+00 -1.4530e+00
 -4.2374e+00 -3.4093e+00 -1.3828e+00  2.7058e+00  5.2391e-01  5.3747e+00
  2.3472e+00 -5.8943e-01 -1.2101e+00  5.1435e-01  1.7745e+00 -4.2672e-01
  3.1844e+00  9.9077e-01 -6.6973e+00 -4.9109e+00  5.6170e-01  2.0237e+00
  3.7532e+00  3.2220e+00  1.7112e+00 -3.6127e+00 -4.2027e+00  5.5539e+00
  7.3436e+00  1.0632e+00 -5.6495e+00 -5.7476e+00 -6.8279e+00 -4.2330e+00
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 -5.3397e-01 -3.1554e+00 -4.7009e-01 -1.2505e+00  3.9731e+00 -5.1367e-01
  6.6426e-01  1.6668e+00 -2.1447e+00  8.6215e+00  2.7532e-03  2.5093e+00
  3.5316e+00 -2.4274e+00 -5.2732e+00  4.0067e-01 -4.1987e+00  1.8259e+00
 -4.9884e+00 -4.3332e+00  5.0488e+00 -5.5820e+00 -6.7443e-01 -4.3274e+00
  2.3369e+00  1.0846e-01  5.4184e-01 -6.9849e-02  5.5594e+00  1.7601e-01
 -3.3527e+00  5.8217e-01 -8.5895e+00  5.7321e+00 -9.4314e-01  1.8558e+00
 -6.4604e+00 -1.0613e+00 -3.4207e+00 -4.3524e+00 -1.8268e+00 -6.9293e-02
 -2.1578e+00 -4.0668e-01 -3.4751e+00 -1.0645e+00 -5.5365e+00  2.4746e+00]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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```

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 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
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 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
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  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
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 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
task [ 1.6347e+00  6.5688e+00 -5.0242e+00 -5.8372e-01  1.7626e+00  4.1776e+00
  1.5275e-01  3.1181e+00 -3.5933e+00  1.0716e+00  4.4031e+00  2.0423e+00
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 -2.9443e+00 -4.1099e-01 -5.9972e+00 -8.5611e+00  6.6924e+00  2.5510e+00
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 -4.3343e+00  3.3356e+00 -4.8209e+00 -5.0407e+00  1.0830e+01  7.3004e+00
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 -3.4372e+00  4.3810e+00 -1.8195e+00 -1.4939e-01 -8.9046e-01  8.0308e-02
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 -1.2109e+00 -9.6169e+00 -2.2132e+00  6.1088e+00 -1.8300e+00 -7.4431e+00
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 -5.2014e-01  2.2511e+00 -6.1535e+00  4.0590e-01  1.1185e+00 -3.6929e+00
  2.4373e+00  2.1511e+00 -2.3079e+00  2.7717e+00  4.1418e-02  3.7049e+00
 -1.9352e-01  2.2591e+00  5.0975e-01  6.4910e+00 -5.7963e+00 -5.2423e+00
  4.7086e+00  1.9160e+00  6.0427e+00 -1.0581e-01 -4.5154e+00 -2.0870e+00
  2.2089e-01  1.8950e+00  5.0413e+00 -4.9652e+00  4.4907e+00  2.6486e-01
  1.4776e+00 -3.1667e+00  2.1474e+00 -2.1767e+00 -9.4922e-01  2.3733e+00
 -2.1476e-01  2.6127e-01 -5.8497e+00 -4.1529e+00  9.3006e-03  2.2632e+00
  1.4767e+00  2.1988e+00  9.0206e-01  8.1992e-02 -7.0436e-01  1.1379e+00
  2.3619e+00  7.8989e-01  1.4808e+00  8.8418e-01  2.3793e+00  2.2168e+00
 -5.1042e-01 -5.6630e+00  1.6523e+00 -1.3193e+00 -3.4420e+00 -1.2070e+00
 -9.2260e-01  7.9777e+00  3.5816e+00  1.0127e+01  6.8864e+00  2.0527e+00
 -9.3125e-01 -2.3344e+00  2.6272e+00  2.6649e+00 -1.4070e+00  1.0579e+00
  6.6344e-02 -2.0783e+00  1.2846e-01 -1.6902e-01  3.8612e-01 -1.0525e+00
 -3.1724e+00  2.1331e+00 -1.1863e+00  7.4118e+00  4.7122e+00 -3.5222e+00
 -1.6495e+00 -2.0382e+00  1.1904e+01 -6.5874e+00  1.0474e-01  1.3297e-02
 -6.8476e+00 -1.2066e-01  2.6605e+00  1.9411e+00 -2.2476e+00  1.5282e+00
 -9.3049e-01  4.5642e+00  1.4836e+00 -3.7563e+00 -1.4808e+00  3.1640e+00]
force [ 1.6686    1.6867   -5.7237   10.035     2.1658    4.0201    2.2547
  0.6195    1.8812    2.3463    4.7235    3.8356   -3.0326    9.1724
 -0.70012   5.2247    4.4761   -1.6577   -2.2051    0.8173    0.41269
  0.76235  -0.18272   1.3549    3.1936   -5.8943   -1.9204   -6.4365
  0.71235   2.3496    3.5689   -2.5125    3.9768   -0.6699   -0.59908
 -2.2566   -0.60258  -2.2027   -0.65009   2.0874   -2.2773   -3.1736
 -0.93419   2.8699   -2.414     1.4626    2.9616   -2.4068    3.8206
  6.1775   -1.9711    4.3683    3.649    -5.7578   -1.1978   -1.9082
  1.93     -0.667     3.504     1.522    -3.0585    1.3548   -9.8007
 -1.4908    4.935    -2.3581   -5.1446   -3.054     2.1371    4.3865
  1.687     2.7983    1.5008    1.5809   -5.6791    4.4969   -2.3556
  4.5014   -5.3523    3.4054   -5.8423   -8.9079    2.0867    6.5612
  3.5788    2.773    -2.5629   -4.0054    6.2662    5.9222    0.27426
  1.4782    6.7456   -1.7996    5.3663    1.0045    3.4048   -1.7082
 -1.7596   -1.1001    5.056     3.2402    4.0828   -2.8896    0.32221
  2.8734    5.3113    0.35043   2.9431   -7.3938    2.3259   -4.3517
 -4.3123   -2.0427   -2.7141    2.4008   -4.9391   -1.1413    1.1038
 -0.92928   0.9079   -3.3654   -2.3541   -2.6578   -1.5151    0.83564
  6.9681    2.1276    2.5442   -4.5542   -7.4732    0.20944   3.9301
  5.0216    0.62673  -1.9878   -3.3389   -0.42859  -0.44372  -2.4186
 -5.505    -7.0295   -3.8864    1.2773    5.067    10.25     -7.5746
 -1.0087    0.16552   4.4237   -6.276     1.899    -2.9764    8.6453
  1.6453    0.54761   4.2038   -2.5494   -6.0261   -4.5597   -8.2364
 -2.1457    1.7746    0.84105   4.6182   -5.5988   -3.3881    4.0562
 -1.7711    0.18692   1.6117   -1.426     2.2524   -0.64271   3.3332
```

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 -0.92024   2.7767   -0.20025  -1.2215   -0.96168  -2.7712   -1.0209
  1.3182    3.2366    0.1552   -0.035954 -0.096903  2.9267    1.5811
  0.033731  4.7387   -7.7123   -0.73005  -4.4416   -0.21637   0.21411
 -2.1572   -1.12     -0.40586   3.3623   -0.49653  -3.3843   -1.3491
 -3.4388   -3.7427   -1.2763   -3.3697   -0.37995   1.7036    3.1757
 -0.94083   6.1435   -5.5363    0.51196   2.0228    2.2042    2.8435
 -3.0667    1.8837   -3.0502   -2.0263    2.6517    1.1263   -0.75411
  0.21093  -4.3305   -2.1963    0.56577   2.0767   -1.5216    1.3007
 -2.7238   -4.7768    8.322     3.0682    0.80562  -4.122    -1.365
 -1.7558   -5.8714    4.6717   -2.4631    4.8449   -4.5437   -4.8252
  4.191    -5.0549    2.647     2.5676    5.5042    4.8825   -3.121
 -6.0889   -2.8016   -4.3057   -7.5833   -0.84898  -7.6899    1.4841
 -1.0658   -2.5513    7.1186    7.5266    0.47007   4.1264   -1.7521
  2.2031   -2.0471   -0.9133   -1.6462    1.2811   -0.58724  -0.66783
  2.9833    3.2543   -2.2096    1.7009   -4.3735   -2.9229    6.2035
  1.6807   -3.8614    3.5091    4.8508    7.1363   -4.7148   -2.2472
  1.8788   -3.2533    4.0245    2.2784    1.4933   -1.0341    1.1451
  3.3585    1.645     0.32295   1.7128   -2.9768    6.834   ]
’s [ 9.4848e+00  8.2625e+00 -3.5644e+00 -8.9888e+00  1.0483e+01  5.4895e+00
  2.0390e+00  4.7667e+00  3.7344e+00 -7.3480e+00  1.3629e+01 -1.1159e+01
 -2.5754e+00 -1.2881e+01 -2.2745e+00  1.1863e+01  5.8389e+00  7.9351e+00
  4.8432e+00  7.5125e+00  9.0460e+00 -8.1409e+00  2.3367e+00 -4.5984e+00
 -2.0708e+00  1.5686e+00  1.3725e+00  1.9903e+00  2.8415e-01  2.3401e+00
  6.2713e-01  7.0234e+00 -2.6601e-01 -7.2316e+00 -4.0903e+00  5.1762e+00
  4.4655e+00  7.7591e+00  8.8481e-01 -3.7552e+00 -3.0055e+00  3.1307e+00
 -3.3323e+00 -7.2545e+00 -6.9819e+00  1.7125e+00  2.8844e+00 -1.1082e+01
 -8.2572e-01  4.6007e+00  4.9572e+00 -2.1446e+00  7.4503e+00  1.5698e+00
  8.9990e+00 -7.5275e+00  6.1418e+00 -5.0404e-01 -2.1362e+00 -6.2780e-01
  5.9603e+00  5.8575e-01  4.9616e+00 -3.3883e+00 -2.9484e+00  5.4621e+00
 -4.6444e-01 -7.7002e+00 -3.1099e+00 -7.2353e+00 -5.6120e-01  4.9702e+00
 -9.1141e+00  3.4272e+00  3.2694e+00 -4.9496e-01  8.9392e-01  7.6278e+00
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 -8.5219e+00  1.3971e+01  7.3725e+00  1.1260e+01  3.5450e+00 -2.3234e+00
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  2.3740e+00 -8.9436e+00  3.2171e+00 -1.6950e+00 -1.7257e+01  3.4038e+00
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 -8.9733e+00 -1.0741e+00  3.5980e+00  4.8004e+00  8.9264e+00 -6.5653e+00
  3.0042e-02  1.8962e+01  9.2006e+00  3.6703e+00 -3.6577e+00 -2.3716e+00
  1.8392e+00 -7.0507e+00  3.7873e+00  2.2030e+00 -5.5138e+00 -3.1109e+00
  4.4046e+00 -5.9221e+00 -3.5934e+00  1.5140e-01 -1.0499e+01  2.5494e+00
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  7.1695e+00  1.2274e+01 -1.6791e+01  7.0080e+00 -1.0991e+00  1.1282e+00
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 -8.5046e+00  3.7821e+00  3.6947e+00 -3.1246e+00  1.5920e+01  8.6957e+00
 -3.0167e-01  5.6158e+00  5.1499e-01  2.6928e+00  3.8271e+00  1.3956e+01
 -3.8546e+00 -7.7908e+00  2.9098e+00  6.6237e+00 -5.8282e+00 -1.3776e+00
```

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 -3.2694e+00  4.1122e+00 -6.3660e+00 -2.1741e-02  3.0695e+00  8.5741e+00
  3.4540e+00  1.2309e+01  2.5864e+00  6.8621e+00  3.9343e+00 -3.9516e+00
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 -1.3070e+01 -4.7889e+00  9.4483e+00  9.0909e+00  1.0614e+01  1.4063e+00
  4.6168e+00  8.5980e-01 -5.9869e-01 -2.9369e+00 -8.0205e+00 -1.7005e+00
  1.2406e+00 -1.1358e+00 -1.0914e+01  5.9935e+00  1.7816e+00 -4.9542e+00]
work [-9.6372e-01  1.6681e+00 -5.4157e+00 -2.9751e+00  2.4463e+00 -3.1431e+00
  2.3029e+00  8.4378e+00 -5.3938e+00 -3.6221e-01  5.3407e+00  5.5702e+00
 -1.8449e+00  2.1456e+00  5.9620e+00  1.8157e+00  5.4614e+00  1.6251e+00
 -6.2056e+00 -2.1181e+00  1.8034e+00 -1.1961e+00  1.3871e+00  3.2896e+00
  2.1586e+00 -1.5838e+00 -1.0341e+01 -2.9526e+00 -5.5124e+00  1.1065e+00
  4.2486e+00 -1.7103e+00 -1.1977e+00 -2.7258e+00  2.2317e-01 -3.2531e+00
  2.4518e+00 -4.0477e-01  1.1669e+00  2.7908e-01  1.7751e-01  5.9580e-01
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  1.3906e+00 -3.2530e-01 -6.5263e+00  3.8088e+00  2.2601e+00 -3.7970e+00
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  7.6984e-01 -2.7469e+00  1.3936e+00 -1.5512e+00  8.7891e-01 -2.8559e+00
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 -1.7538e+00 -8.9691e-01 -1.9760e+00  1.6419e+00  2.0456e+00  1.6719e-01
  2.3706e+00 -3.2711e+00  5.4207e+00 -3.0269e+00  4.2099e+00  5.2690e+00
 -4.6807e+00 -1.9160e+00  2.3531e+00 -4.4207e-01 -3.1872e+00 -1.2812e+00
 -4.5893e+00  5.4665e-01  2.4508e+00 -2.7750e+00 -4.7459e+00  6.0595e-01]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
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-0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
 2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
 1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
-0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
-2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
-4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
-2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
-2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
-0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
 6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
 2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
 3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
 1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
-0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
-3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
 6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
-4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
 0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
-4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
The [-7.2681e+00 -8.5717e-01  5.8105e+00  1.9771e+00  8.8147e+00 -5.8579e+00
  3.7143e+00  3.5850e+00  4.7987e+00 -4.4251e+00  1.7461e+00 -3.7296e+00
 -5.1407e+00 -1.0792e+00 -2.5555e+00  3.0755e+00  5.0141e+00  5.8525e+00
  7.3378e+00 -2.7689e+00 -5.1641e+00 -1.9879e+00  2.9782e+00  2.1024e+00
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  4.4922e+00  1.6574e+00  3.9794e+00 -4.3560e+00 -2.7266e+00  1.9581e+00
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  4.1630e+00  8.0338e+00  3.8102e-01  8.2656e+00  9.7061e-01 -5.0807e+00
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  3.8218e+00 -3.9717e+00  2.4691e+00  1.3721e+01 -8.9664e+00  1.0610e+01
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  6.8842e+00  3.6034e+00  1.8058e+00  2.4528e+00  4.4088e+00 -1.0598e+00
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 -3.6578e-01 -2.8578e+00 -6.4639e+00 -3.2155e+00  6.7083e-01 -1.2800e+00
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  8.8719e+00  7.2337e-01 -1.2350e+00  1.6209e+00  7.8994e+00  1.0741e+01
  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
new [  2.593      4.3454    -1.466     -1.2656     2.8705    -1.0454
   3.9176     4.8105    -4.4885     3.2401     2.1087     6.5324
 -10.131      6.6409     0.27289    0.564      1.8185    -3.9733
  -3.9734     1.8297     5.8952     1.2496     3.2958     0.030106
  -1.162     -1.4982    -1.3581     2.5729    -4.4691     2.4734
  -7.4885    -3.4676    -0.53598   -4.7145     2.3582    -3.3043
  -1.4018    -1.6854    -1.849     -8.1435     2.9397     1.2055
  -1.2674     0.91577   -4.5172     5.8075     1.1925     1.8979
   6.1388    -1.0358    -4.074     -4.2188    -5.163     -4.5361
  -3.4362     0.93389    0.064014   7.9496    -0.030416  -4.0014
   6.7745     3.6638     2.012     -0.11265    1.8488     7.2057
  -0.16971   -6.9102     1.1711    -2.4398    -7.195      4.2683
   0.9006    -5.7203     2.7967     1.7126    -1.569      3.2519
  -4.4507    -4.2083    -8.8073    -1.4641     1.3351     2.531
  -1.9357    -2.4781     6.4028    -2.8511    -8.2752    -1.4941
  -7.5258     1.1667     1.783     -4.8047    -0.38959    6.4523
   5.616     -1.901     -0.99175    1.4726    -0.32424   -2.3112
   1.9398     2.9423     3.6352     2.0828    -0.52848   -2.1444
  -1.0336    -3.8658     0.45486    6.263      4.24       1.8398
  -1.1294     2.5817    -1.7117    -4.876      0.91463   -4.1707
  -5.2296    -3.82       4.4567     7.3578     1.7327    -7.7043
  -4.4421    -3.4787    -3.737     -2.7298    -7.66      -4.6807
   1.9748     7.0736    -6.7904    -2.494     -2.8548     2.2308
   7.6443    -2.861      0.74459    4.4875    -7.0895    -5.1707
  -4.4216    -2.3651    -9.9652    -3.6435     1.7108     3.3328
   0.98232    2.6576     5.5048     1.0036    -4.5437    -6.3586
   8.9333     2.4981    -1.7065     4.0213    -2.8199    -4.6651
   3.14       2.8622    -5.3182     4.328     -7.1448    -1.9938
   4.8681    -4.8602     7.4712    -2.2579    -0.52421    9.8737
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  0.98574    2.9149    -1.1721     4.2751    -1.7765    -0.86623
 -0.3788    -2.0966    10.215      2.2004    -4.3389    -7.0367
 -4.1728     0.45066    0.79991    7.1456    -2.2799    -1.039
  3.8125    -2.5397     1.1817     6.3209    -4.2526    -5.3255
 -4.9938     1.113     -1.652    -10.44      -1.2328    -2.1638
  3.0066     7.9959    -5.6395    13.154      7.5357    -0.4976
 10.719      0.55434   -6.1904    -2.9667     5.9524     2.3098
  3.1139    -2.9807    -4.1624    -1.5465    -4.4951     3.6024
 -5.6035     8.0356    -6.8933    -5.2434    -0.3394    10.198
 -1.2923     0.85054   11.64      -1.7606    -9.458      3.2441
  8.8538     0.57973   -4.9931     1.6488     5.8124     6.1091
 -2.0008    -2.2498    -4.4335    -5.4842    -8.6771     3.7767
 -1.4648    -3.6131    -0.32584   -1.2759     1.0388     2.1735
 -6.3862     0.52232    1.0004    -1.0593    13.228      1.2324
  0.46648   -0.23821   -5.0459     1.6792     3.4703     6.1179
  6.2291     0.60988   -4.6012     3.6347     4.4698    -2.9322
 -0.80766    0.74012   -3.678     -9.0491     7.677     -5.2912
  0.052622  -2.561      0.42135   -3.5056     6.0332     2.6589
 -3.7357     5.055      1.9308    -0.78488    2.3444     9.5688
  1.5928     9.798      2.0445     4.7535    -2.7616    -0.20498
  1.4246    -2.5834    -4.1083    -1.261     -5.4478     4.2885  ]
group [-2.3648    0.6509   -1.8082   -0.95538   2.6131    1.7954    1.3246
  2.5386    0.59134  -6.1147    2.775     3.5279   -0.4139    7.4255
  1.3899    4.3465    0.75893   4.0033   -0.72066   2.6135    1.3559
 -1.6748   -8.3526    0.81501   4.0127    0.27929  -5.6302    0.2234
  1.6647   -4.075    -1.7482    3.3958   -3.182     1.997    -1.3133
 -2.129    -2.063    -4.6705   -0.68391  -5.0156   -1.1693    2.1981
 -4.2806    4.2054    1.6764   -2.4231   -1.4947    0.69208  -0.035016
  3.5194   -1.9596    6.5813    0.13884  -6.9381   -0.83928   2.8089
 -5.2303    0.2562   -0.18279  -1.6312    0.01409   3.2001   -3.1753
  1.9991    4.2629   -0.41066  -2.4637   -2.046     4.5204    3.7613
  3.0152    3.3406    3.1784    6.3686   -1.1144    3.9717   -4.1878
  3.3949   -5.3407    2.1938   -6.7996   -0.14749   3.0125    3.4422
  6.8696    6.0474   -3.4461   -4.6076    3.1135   -4.2237   -2.6883
 -0.65008  -2.0728    1.4336   -0.24551   0.21428   1.5813   -4.1078
  0.72747   0.99689   2.8999    2.322     3.267     2.5629    1.6408
  0.842    -6.2141   -2.9098    4.6322   -7.3818    2.896     0.086757
  0.57667  -7.0334    2.2624   -1.1537   -1.4921   -2.7097    2.83
 -3.558     3.4485   -2.7648    2.4072   -0.4235   -8.4653   -4.4664
  1.1634   -3.2544    2.2855   -0.13418  -6.2711   -3.8592    9.1003
  5.4696   -1.4099    1.7342    3.186     5.5046    2.2536    0.97912
  1.8006   -3.333    -2.2292    2.7487    5.0951   -2.3386   -7.8929
  3.5693   -0.13016   4.5256   -0.13285  -1.9931   -5.2038    1.8712
 -3.4563    4.6526    1.8984    2.3435   -2.8041   -1.8199   -5.4608
  1.2095    3.4971    3.4368    2.9866   -3.8151    0.071549 -0.4783
 -0.1525   -1.5317    1.891    -2.0697    1.4786    5.7613    3.3324
  5.969     4.4823    0.31575  -5.9667    1.0602   -1.8682   -1.4488
  1.3598   -0.77709   0.9204    3.7243   -1.1207   -4.3833    2.0172
  3.5519    0.58477  -2.2957   -0.18212   1.2296    7.0251    1.6557
 -4.6359    0.81562  -1.2283    1.9109   -0.44987  -2.1194    0.16519
 -4.0514    2.5405   -0.93536  -0.67101  -1.1532    0.21111  -7.0778
  2.9067    2.6475   -3.2006    1.1582    1.4533    1.2052    2.297
 -2.4294    1.459     2.04     -2.728     3.9519    1.4072   -0.61885
 -3.5057   -1.8488    1.5564    0.4152    0.96606   2.4074    0.4806
  0.83194  -2.7034    3.6684    2.0728   -6.4893    0.50966   5.725
 -6.019     1.8823    2.8647   -4.935    -0.48808   2.9284   -2.0371
  4.6167   -0.74669   3.2039    2.8294    4.916     1.1564   -7.9446
 -2.2245   -0.93259  -1.5314   -2.406     2.1767   -6.1202    3.1436
  1.7032    0.4946    1.9148    2.1453    0.047023  2.2731   -1.0995
 -1.6432    0.69721  -3.4892   -0.33476  -4.2232   -0.43535   2.0229
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 -4.7605    8.7607   -2.3256   -1.2218    1.1733   -5.4216    3.5523
  2.8927   -0.85121   4.1071   -0.11321   1.7448    0.62197  -1.8281
  0.58743  -1.3318   -0.40737  -0.1197    0.36788  -3.3456    2.7052
 -1.7103   -2.1401   -2.2902   -2.7618   -1.6113    0.54248 ]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
operate [-1.937     2.9314   -2.7265    2.2109    3.616     1.1019   -3.0093
  3.9354   -4.0201    0.55054   3.5075    2.2625   -5.1872    3.9588
 -0.085147  5.2545    0.5967    2.2667   -1.4989   -2.4694    3.5574
  2.4216   -1.5027    3.7253    0.11463   0.20397  -6.7973   -3.7868
 -4.4288   -0.066304  3.0297    3.5339   -4.3021   -1.7386    0.016418
  0.71134   0.74921   2.8898    2.4263    1.7968   -0.037062 -1.5447
```

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  0.5365    3.7155   -4.4344    2.0657    2.6994   -4.7549   -0.93657
 -4.3573    2.8557    1.9691   -0.88198  -6.2156    0.094715 -0.735
 -3.6916    0.49285   0.90196   0.49483   0.36739  -1.9494   -3.5593
 -3.6129    4.768     2.2071   -8.0781   -0.2237    1.5771    2.6804
 -1.4012   -1.8876   -1.1987    0.69182   0.53167   0.089774  0.27029
  1.9104   -1.5045   -1.5715   -7.4875    3.2087    3.9377    4.8876
 -0.094803 -1.8069    2.3045   -3.7196   -2.1346    1.2752    1.4968
  1.1156   -4.3233   -2.7422    3.783     2.7614   -0.80911  -2.6554
  1.047     3.0124    3.7189   -2.2346    0.5015    4.1195   -2.5931
  3.4893    0.38169  -2.615    -1.6267   -4.9093    2.4262   -2.0035
 -6.222     0.29239  -1.1555    4.8474   -3.8726   -0.39754   0.91103
 -4.8983   -2.341    -2.7957   -1.7181   -0.18445  -1.4595   -3.9189
 -0.16095  -6.2403    4.3417    0.57575  -0.41728   1.6328    2.7767
  4.1787    1.9317   -0.75687  -3.6838   -3.1819    3.0372   -1.3029
  1.7006    0.93311   1.4297   -0.097512  4.7323    0.34363  -2.9748
 -2.7266   -1.3954    3.5369   -1.106    -2.5523    0.2585    2.0116
  0.19678  -2.0712    1.2695    0.59611   2.4981   -2.6188   -4.3497
 -1.2036   -4.5028    5.1809   -3.8735   -2.3023   -4.7753    3.7441
  2.5511   -1.0448   -1.7364    1.1156    2.9958   -3.8053   -1.0269
  1.9837    0.34296   0.65366  -1.7394    1.5605   -1.8521    2.4195
 -0.53606  -0.32234   0.54508  -0.91085  -1.0244    1.5559   -0.15228
  3.3579    3.1269   -5.015    -2.2347    0.38418   1.8621    5.8028
 -3.2765   -3.0115    0.76639  -5.9051   -3.541     0.60273   3.2349
 -1.5252   -1.7236    2.2563   -4.09     -1.0268   -0.29863   3.3595
 -3.8862   -2.4608   -1.6317   -0.25158  -0.84222  -0.83795   5.0356
 -5.372    -2.2876    1.8147   -1.5406    0.1239   -2.1469   -3.533
 -0.36584  -3.6285   -1.3493    3.3554    2.4327   -3.2488    5.0654
 -3.7677    1.3061    0.013934  4.7243   -0.90261  -0.84057  -3.4287
  0.54409   0.065708 -1.4614   -2.3061   -4.9493    0.15002  -1.6049
  4.4746   -6.6201    1.1024    2.6008    4.7964    1.4468   -3.7059
 -7.0981   -0.94551   0.52824  -5.4707    0.7055   -5.4142    1.2152
 -2.6694   -3.1878    6.9954   -1.2669    0.39691   0.37426  -3.8293
  1.6016    1.9694    0.40631  -3.9041    3.2614    0.77973  -1.9966
 -0.70217  -0.50207  -6.3476    0.38453  -3.8558    2.2284    1.7682
  1.9453   -2.0234    0.81793  -1.6337    3.2697   -0.31641   1.9898
  1.8281    0.39391  -1.3456   -0.33946   2.2327   -3.495     1.5668
 -1.8623   -0.058661 -1.0369   -3.8211    2.6688    1.9729  ]
out [-1.0172e+00  3.0539e+00 -2.7537e+00  7.3859e+00 -4.5273e+00  1.1126e+01
 -3.1476e+00  1.2511e+00 -6.8304e+00 -1.1335e+00  1.2213e+00 -2.1387e+00
 -4.6075e+00  6.5499e+00  4.5717e+00  2.1668e-01  1.2246e+00 -5.7875e+00
  2.5641e+00 -2.3044e+00  6.9960e+00 -6.2975e-01  3.7300e+00 -8.6432e+00
 -8.2653e-01  4.4385e+00 -2.8468e+00 -3.1687e+00 -4.6642e+00  7.5688e+00
 -1.4767e+00 -5.5693e+00  6.0368e+00 -3.6346e+00 -5.1792e+00 -7.7006e-01
 -2.3583e+00  7.1430e-01  2.4292e+00 -1.7598e+00  5.8044e+00  3.1653e+00
  2.1707e+00 -1.3183e+00  1.3729e+00  2.8337e+00 -2.4404e+00 -8.5849e+00
 -4.8039e+00  5.0611e+00  5.1057e+00 -3.8682e+00  1.7272e+00 -4.6516e+00
  2.1337e+00  1.7727e+00 -2.2362e+00  3.2397e+00  7.6105e+00  8.5659e+00
  5.9315e-01 -2.7478e+00  2.0665e+00  7.7220e-01 -5.1425e+00 -3.3387e-01
 -2.3138e+00  1.6131e+00 -6.5098e-01  9.0889e+00 -9.6125e-01  7.5299e-01
 -1.8741e+00  8.7572e+00  5.1930e+00  2.4105e+00  1.8241e+00  9.3666e-01
  1.5269e+00 -1.0011e+01 -3.5217e+00 -2.5877e-01  5.0786e+00  2.7719e+00
  4.1514e+00 -1.4492e+00  8.0578e-01 -1.8346e+00  3.9462e+00 -5.0613e+00
 -6.1173e-01 -1.3870e+00  3.4022e+00 -1.9169e+00  2.3725e+00  1.1350e+00
  8.4692e+00  2.4380e+00  5.7456e+00 -4.5245e+00 -3.4833e+00  1.1662e+00
  1.7971e+00 -2.2558e+00  9.1892e+00  9.2867e+00 -2.7180e+00 -7.7546e-01
 -5.0421e+00 -4.6863e+00 -4.9778e+00  8.9954e-01  3.0318e+00 -6.7867e+00
 -2.0119e+00  4.8520e+00 -5.6732e+00 -7.6803e+00  8.6433e+00 -4.6713e+00
 -4.9491e+00  3.4211e+00 -5.2976e+00  4.9501e+00  7.7603e-01  6.7688e+00
  5.2833e+00  6.3980e-01  6.0991e+00  1.0686e+00 -3.6479e+00  3.8330e-01
  4.8543e+00  7.1384e-01  3.4325e+00  1.6349e+00 -9.4941e-01  3.7702e+00
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  8.7664e-01 -7.7243e+00 -1.9634e+00 -6.0297e+00 -1.2792e+00 -7.5144e+00
  7.0138e-01 -3.4771e-01 -1.1119e+01 -1.2052e-02  6.5338e+00 -3.7975e-01
  2.1056e+00 -6.2722e-01  1.0484e+00 -4.9018e+00 -2.6361e+00  6.5730e-01
  2.1776e+00 -1.7117e+00 -1.0307e+01 -1.3951e+00  3.4872e+00 -2.2109e+00
  3.2630e+00  7.4651e-01 -7.0409e+00  2.6149e+00 -2.5215e+00 -3.1301e-01
 -4.9903e+00 -2.1673e+00  4.5842e+00  1.9304e+00 -1.0084e+00  4.0514e+00
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  1.7350e+00  5.1134e+00  6.2357e+00  1.3756e+00 -1.1638e+00 -3.4187e+00
 -1.3969e+00  4.5484e+00  5.4104e+00  3.4993e+00 -3.7662e+00  1.0119e+01
 -6.3942e+00 -9.0105e+00 -1.5901e+01 -4.8073e+00 -3.0003e+00 -5.5334e+00
  2.2226e+00  6.4158e+00 -1.0502e+00 -3.7036e+00 -6.0691e+00 -7.9523e+00
  3.8103e+00  3.5766e-01 -1.7274e+00 -1.8074e+00  4.5572e-01  5.7340e+00
 -3.2353e+00  1.8609e+00  3.9863e+00  3.9078e+00  3.1315e+00 -7.0587e-01
  1.1306e+00  8.9133e-01 -6.7543e+00  1.5594e-01 -1.5548e+00  2.6277e-01
 -2.5546e+00  1.1924e+00 -6.8077e-01 -6.9901e+00  4.8591e-01 -7.7720e-01
  1.4022e+01  4.6651e+00  3.5527e+00 -7.1153e+00  8.1177e-01 -3.1161e+00
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 -4.6046e+00 -1.1806e+00  8.8547e+00  1.7278e+00 -5.6199e+00  4.8994e+00
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 -4.2536e+00 -1.8988e+00  9.3366e-01  5.1518e-01  4.5788e+00  1.2395e+00
 -1.0488e+01  3.2585e+00 -1.3622e+00 -3.7266e+00 -7.1732e+00 -1.3665e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
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   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
DoD [ 0.52443    0.79593   -2.2165     2.0155     2.0869    -0.12252
 -2.5591     0.43598   -0.86966   -0.12636   -0.35965   -0.87065
 -0.76145   -0.98609   -0.4602     0.78041    2.742     -0.66709
  0.19822    3.0889     1.1789    -1.184      1.2673    -1.6168
  0.70917   -0.1975    -0.462     -1.1242    -1.0885     0.35405
 -0.056288   0.84151    2.8228     0.50865   -2.0864    -1.5141
 -1.2518     0.63496    2.8413     2.8834     0.33711    0.073629
 -1.2383    -0.62303   -0.44672   -2.2386     0.3982    -1.6078
  0.88977    2.6935    -0.70111    0.69102    1.9652    -3.4395
 -0.12878    0.29642   -1.8982    -0.5467    -0.55189    0.54335
  0.2598     0.92117   -0.5939    -0.30011    2.1279    -0.2426
 -1.5942    -1.5893    -1.6967     3.3089    -0.66933    0.80957
  0.33524    0.73478    1.2229     2.025      1.8258     0.73079
 -0.15618   -1.5131    -0.99093   -2.5667    -2.0229     3.4268
  2.4865    -1.8452    -0.2867    -0.024349   0.63084   -0.57988
 -0.99632    0.8302     2.1633     2.0045     4.237     -0.79556
  1.1667     1.6904     0.78709    1.3119    -0.35972    1.1268
  1.6793    -0.14541   -1.5589     0.76895   -0.62482    0.20113
 -0.23124   -1.3086     1.3977    -0.97293    1.8329    -0.51954
 -1.2957     0.78436   -1.7841    -1.159     -1.5448     1.339
  1.4021    -4.4592     3.6555    -1.8197     2.121     -1.5274
  2.5059     1.6276    -1.4977     0.32597   -3.6384    -1.5931
  0.78714   -2.2293    -1.1005     0.45554    0.013057   0.61424
  1.7632    -0.10157   -1.5074    -1.6073    -0.99308   -0.71961
  0.51202    1.9601    -4.1721     2.6278    -1.3458    -1.8317
 -2.0582    -0.66042   -3.4645     1.0956    -1.4123     0.0073083
  1.1225    -2.0737     0.48774    0.16384    0.52972   -2.0692
 -0.71954   -1.8107    -1.001      1.4949    -1.0661     0.37295
  3.1596     0.59261   -1.4723     0.23279    0.44529    0.45866
 -1.569      1.4237     0.71452   -2.2939    -1.7038     0.5961
 -0.75206    3.6732    -1.9044     3.4925     1.959     -0.73524
 -0.044708   1.5317     2.5496    -1.2991     3.7382    -0.44475
 -0.72421    1.2578    -2.6066     3.2682    -0.48535    0.82384
 -1.8108     2.6049    -0.67909    0.54862   -1.1485    -0.75129
  1.5249     2.6948     1.4222    -0.063914  -1.7914     0.44538
 -1.9689    -0.71383   -0.94419    1.867     -0.021112   0.093196
  2.6849     0.18679    1.0886    -1.3612     0.63158   -1.0121
 -1.2911    -1.2884    -1.2941     0.97383    1.8609     2.8025
 -2.8932    -1.2564     3.1986    -2.2971    -2.3289     1.7803
 -0.42011   -1.3658    -0.62678    0.042925   0.079371   2.5747
  1.9593    -0.84149    3.9142    -1.0977    -2.1406     1.9141
  1.5403    -1.3535    -0.77566    1.9648     3.2984    -3.6057
 -1.7667    -2.6369    -1.8183     1.2174     1.2095    -2.6886
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  0.33094    0.2321    -1.7574     1.8337     0.33417    2.4968
 -2.811     -1.1617    -0.57695    3.5224    -1.2206    -0.75837
 -3.4895     1.7614    -1.5328    -0.41902    0.81271    0.014599
 -1.0709    -2.0529    -1.5466     1.995      0.38452   -1.9365
  0.25781    0.24731   -0.53724    0.45851    0.94217    1.7329
  0.097648   1.661      0.96245    0.47079    1.0751    -0.21693
 -1.9512     1.4885     2.317     -1.1123    -0.91343    0.77644  ]
’s [ 9.4848e+00  8.2625e+00 -3.5644e+00 -8.9888e+00  1.0483e+01  5.4895e+00
  2.0390e+00  4.7667e+00  3.7344e+00 -7.3480e+00  1.3629e+01 -1.1159e+01
 -2.5754e+00 -1.2881e+01 -2.2745e+00  1.1863e+01  5.8389e+00  7.9351e+00
  4.8432e+00  7.5125e+00  9.0460e+00 -8.1409e+00  2.3367e+00 -4.5984e+00
 -2.0708e+00  1.5686e+00  1.3725e+00  1.9903e+00  2.8415e-01  2.3401e+00
  6.2713e-01  7.0234e+00 -2.6601e-01 -7.2316e+00 -4.0903e+00  5.1762e+00
  4.4655e+00  7.7591e+00  8.8481e-01 -3.7552e+00 -3.0055e+00  3.1307e+00
 -3.3323e+00 -7.2545e+00 -6.9819e+00  1.7125e+00  2.8844e+00 -1.1082e+01
 -8.2572e-01  4.6007e+00  4.9572e+00 -2.1446e+00  7.4503e+00  1.5698e+00
  8.9990e+00 -7.5275e+00  6.1418e+00 -5.0404e-01 -2.1362e+00 -6.2780e-01
  5.9603e+00  5.8575e-01  4.9616e+00 -3.3883e+00 -2.9484e+00  5.4621e+00
 -4.6444e-01 -7.7002e+00 -3.1099e+00 -7.2353e+00 -5.6120e-01  4.9702e+00
 -9.1141e+00  3.4272e+00  3.2694e+00 -4.9496e-01  8.9392e-01  7.6278e+00
 -2.8478e+00  4.1937e+00 -1.2561e+01  4.6271e+00  4.3155e+00  7.4137e-01
  2.1575e+00  8.5215e+00 -4.0895e+00 -1.0834e+01  1.7850e+00  5.1355e-01
  3.3054e-01 -8.8765e-01 -4.8699e+00 -1.3338e+01 -6.6969e+00 -7.4106e+00
 -4.3666e+00 -1.1388e+01 -2.7813e+00 -1.3127e+01  3.7100e+00  8.5562e-01
 -8.5219e+00  1.3971e+01  7.3725e+00  1.1260e+01  3.5450e+00 -2.3234e+00
 -1.4800e+00  2.2860e+00  1.0716e-01  9.0754e+00 -3.9851e+00  8.0310e+00
  2.3740e+00 -8.9436e+00  3.2171e+00 -1.6950e+00 -1.7257e+01  3.4038e+00
 -7.7503e+00 -9.8861e-01  1.0006e+01 -1.0682e+00  7.0642e+00  1.0663e+01
 -6.4217e+00 -9.1740e-01  1.4896e+01 -1.0191e+01 -6.1449e+00 -7.3578e+00
 -1.9139e+00 -6.5001e+00 -8.8293e-01 -3.3783e+00  1.9219e+00  6.0439e-01
  3.8427e+00 -8.4208e+00  3.1563e+00  2.4922e+00  8.7139e+00  4.9481e+00
 -3.1310e+00  3.2618e+00 -1.7474e+01  3.5475e+00 -1.2241e+00  5.4386e+00
  1.7057e-01  6.7612e+00  9.5822e+00 -2.8624e+00 -1.1496e+00  6.1758e+00
 -5.6255e+00 -2.6268e+00  2.1974e-01 -6.6199e-01  7.3988e+00 -4.4386e+00
  7.6741e-01  3.1242e+00 -7.4679e+00 -4.5043e+00  1.1416e+00  7.1365e+00
 -7.6024e+00 -2.9625e+00  7.1453e+00 -1.2597e+01  1.2665e+01 -3.7070e+00
 -8.9733e+00 -1.0741e+00  3.5980e+00  4.8004e+00  8.9264e+00 -6.5653e+00
  3.0042e-02  1.8962e+01  9.2006e+00  3.6703e+00 -3.6577e+00 -2.3716e+00
  1.8392e+00 -7.0507e+00  3.7873e+00  2.2030e+00 -5.5138e+00 -3.1109e+00
  4.4046e+00 -5.9221e+00 -3.5934e+00  1.5140e-01 -1.0499e+01  2.5494e+00
  5.5095e+00 -1.3015e+01 -2.6654e-01  3.1612e+00 -1.2833e+00 -6.1189e+00
  7.1695e+00  1.2274e+01 -1.6791e+01  7.0080e+00 -1.0991e+00  1.1282e+00
  1.1257e+01  6.4494e+00 -3.7408e-01 -2.1612e+00  1.8536e+00 -7.2711e-01
 -1.9883e+00 -4.7288e+00  1.5646e+00 -5.5883e+00 -6.4551e+00 -1.0142e+00
 -1.7333e+00 -5.7656e-02  2.9362e+00  1.4906e+01  3.0888e+00 -2.8334e+00
 -4.6165e+00 -7.3239e+00  2.6445e+00 -3.5237e+00 -3.3419e-01  5.7676e+00
 -8.5046e+00  3.7821e+00  3.6947e+00 -3.1246e+00  1.5920e+01  8.6957e+00
 -3.0167e-01  5.6158e+00  5.1499e-01  2.6928e+00  3.8271e+00  1.3956e+01
 -3.8546e+00 -7.7908e+00  2.9098e+00  6.6237e+00 -5.8282e+00 -1.3776e+00
  4.4274e+00 -8.8351e+00  9.9619e-01  4.1706e+00 -7.2287e-01  7.7379e+00
 -3.2694e+00  4.1122e+00 -6.3660e+00 -2.1741e-02  3.0695e+00  8.5741e+00
  3.4540e+00  1.2309e+01  2.5864e+00  6.8621e+00  3.9343e+00 -3.9516e+00
  4.5908e+00 -2.3486e+00  3.0991e-01 -1.2157e+00  9.3631e+00 -1.3904e+00
  1.4143e+00 -4.3494e+00  1.5112e+00  9.8156e-01 -7.1419e+00 -5.8279e-03
 -1.3070e+01 -4.7889e+00  9.4483e+00  9.0909e+00  1.0614e+01  1.4063e+00
  4.6168e+00  8.5980e-01 -5.9869e-01 -2.9369e+00 -8.0205e+00 -1.7005e+00
  1.2406e+00 -1.1358e+00 -1.0914e+01  5.9935e+00  1.7816e+00 -4.9542e+00]
existing [ -1.3341    -0.94934    1.3127     0.48009    4.2936     2.3597
   0.54282    5.7475    -2.398      0.6794     9.0765     5.3341
 -10.448      3.1784    -1.2587     4.1038     3.2524     3.0075
```

```
 -2.1809    -2.5124     2.2769     2.2439    -1.3824     2.2379
 -0.93141   -1.9508    -2.6375    -1.0725    -1.7613    -0.59203
 -0.61611    0.79207   -2.2849    -2.2407     0.092717  -1.6088
  2.579      2.2499     0.47362    0.19302    4.1035    -3.4364
 -5.0281     0.36411   -4.1446     4.226      4.1632    -1.1888
  0.027827  -1.2142    -0.42013    3.8371    -0.25926   -5.6539
 -1.305      1.3633    -1.1919     3.4047     3.4276    -4.3764
  3.0941    -2.0989    -2.5592    -3.2419     2.7579     1.1625
 -3.6115    -3.7394     2.4855     2.5629    -2.2603    -2.055
 -1.1422     0.35079   -1.1707     1.8749    -2.8287     1.9987
 -2.0252     0.14726   -4.0944     1.1051     0.9945     2.0796
 -1.3875    -1.3141    -1.1764    -3.6344     1.4134     2.5523
  1.2238     3.6748    -0.33073   -4.655      1.7592     0.59134
  1.4861    -0.72233    1.3273     3.1076     1.8786     1.3056
  2.3903     2.1567     0.10674    9.9181    -1.0773    -2.7737
 -1.2229    -4.9975     3.4252     1.9084    -2.5026     0.96145
  0.11321    2.9771    -1.4256    -3.3198     0.67122   -5.6146
 -1.5528    -3.9985    -1.4528     1.0419    -3.8366    -5.2822
 -2.1919    -6.691      1.5329    -2.9094    -5.9313    -0.65621
  4.87       2.136     -1.6156    -0.52177   -2.2547    -0.24036
  1.0653    -3.2009     0.96029    1.305     -1.9313    -1.0199
  2.1884    -2.5761    -6.073      1.4166     0.35943   -0.32986
  0.24314    2.7798     1.6539     0.2877    -1.4809    -1.4858
  2.367      1.7902    -0.16139   -4.0669    -1.5984    -0.6002
  1.9341     4.2013    -2.6671     0.49533   -5.0067     0.8047
  2.3178    -2.7121    -2.5632    -0.66993    2.6606    -0.57406
  1.1666     0.61489   -0.60589    0.88666   -5.5522    -1.1872
  1.3338     0.22983   -0.14598   -1.7284    -2.773     -2.1427
 -3.5437     2.0303     1.1653     2.2133     0.55679   -3.6588
  0.97866   -3.5784     1.9419     0.30171   -6.1632    -1.8483
  0.79321   -1.6432    -2.2807    -4.9956     0.92333   -3.7492
  7.1029     3.3332    -7.2139     3.4908     3.2656    -0.20852
  1.3593    -2.7369    -2.0116     2.695     -0.98656    4.6661
  4.3795    -6.3749     1.4313     1.7173    -1.2884     4.8451
 -0.75897   -0.79658   -2.7546    -2.0365     0.099298   6.4739
  0.29526   -1.366      6.0356    -2.6864    -0.81454    0.30918
  7.1233     0.97217   -0.29689    0.87279    3.8045    -0.17635
 -3.0816    -2.0948    -4.0681     2.4139    -4.6151     2.4731
 -4.8331     0.9121     1.4383     2.7068     0.39643   -3.6506
 -7.1981     2.4518    -0.11997   -5.4421     0.72766   -1.0011
  0.26649    1.0702    -3.8704     6.1224     2.5249     2.3654
  2.068     -0.45118    2.3682     4.1868    -2.3205    -3.7633
  0.24998    0.69498   -0.91945   -1.7715    -0.59463   -1.0564
 -0.44649   -2.4388     1.4929     0.45853    4.245      3.0184
  3.7932     2.0263    -0.53003   -1.8623     2.1202     5.3145
 -2.9426     0.61485   -1.4097    -0.67588   -1.915     -1.265
  0.21791    0.18714   -1.0629    -5.5182    -0.57364    3.7962  ]
Chief [-2.6515e+00 -8.1655e-02  2.6669e+00  5.4056e+00 -5.1524e+00 -1.4536e+00
 -3.7538e+00 -5.7106e-01  1.3219e+00 -2.4908e+00 -8.8691e-01 -1.2713e+00
  1.0805e-02 -1.0266e+00 -2.1333e-02  2.6760e-01  1.1648e+00  5.9112e+00
  2.7849e+00  3.8826e+00  5.6406e-01 -5.2340e+00 -2.3412e-01 -2.5633e+00
  5.6187e+00 -2.6040e-01 -3.6785e+00  3.0623e+00  3.3767e+00  1.8214e+00
 -1.1571e+00 -1.1558e+00  4.1894e+00  1.3302e+00 -4.0873e+00 -1.7566e+00
 -1.4788e+00 -6.0138e-01 -5.4772e+00 -4.0773e+00 -5.0008e+00 -3.1645e-01
  7.9929e-01 -2.8976e+00  1.5464e+00  1.3210e+00  2.4718e+00 -1.2655e+00
 -3.5474e+00 -4.3097e+00 -7.3544e-01  1.6590e+00  2.0816e+00 -3.5124e+00
  4.6758e+00 -2.8381e+00 -8.3416e-01 -4.2545e+00  3.9490e-03 -2.2238e+00
 -1.7343e+00 -2.6943e+00  1.1629e-02 -5.2764e-01  3.1688e+00  3.5622e-01
  1.5150e+00  8.8694e-01  4.1091e+00  6.0902e+00  6.4682e+00 -5.2451e+00
  4.7993e+00 -2.7091e+00  3.7517e-01 -2.2113e+00  1.7514e+00  3.0028e+00
```

```
  3.5415e+00 -5.2301e+00  3.9796e+00 -3.2913e+00 -7.1027e+00  8.2072e-02
 -3.4512e+00 -1.8713e+00  1.7850e-01  3.3324e+00  5.0888e-01 -2.8020e+00
 -4.2469e+00 -3.6300e+00  9.0131e-01  5.0663e+00  3.9931e+00  1.0756e+00
 -1.5318e+00 -8.3403e-01  2.4982e+00 -2.8859e+00  2.2816e+00 -2.0711e+00
  2.3581e+00 -5.0627e-01 -3.1850e+00  2.9104e+00  3.4544e+00  4.7339e+00
  6.1572e+00 -1.2479e+00  4.1720e+00  2.6393e+00 -1.2161e-01 -3.0695e+00
  2.7538e+00 -1.2360e+00 -3.0296e+00  2.6433e+00 -1.0024e+00  4.4319e-01
  7.4382e-01  2.1736e+00  9.2476e+00  1.1276e+00  5.9515e+00 -1.2716e+00
  1.2314e+00 -2.5421e+00  6.9819e+00 -4.8061e+00 -3.3559e+00 -5.9173e+00
 -4.0229e-01  3.1190e+00 -1.7840e+00 -3.2666e+00  4.3398e+00 -6.4625e+00
  1.3977e+00  5.5239e+00 -1.6980e+00  7.7470e-01 -4.6015e+00  3.0108e+00
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 -7.9141e-01 -3.6972e+00  5.0535e+00  2.8150e+00 -8.4811e-01 -3.4848e+00
 -1.4348e+00 -2.7120e+00 -4.3585e+00  4.9933e-01  3.1481e+00 -7.3035e+00
 -1.5704e+00 -3.2518e-01 -5.1186e+00 -4.3155e+00  6.5097e-01  1.5905e+00
  2.4682e+00 -3.4432e-01  1.1839e-01 -5.0474e+00  1.0973e+00 -9.6977e+00
  4.8437e-01  3.8097e+00  2.3816e+00  2.6858e+00 -1.2791e+00  7.2818e-01
 -1.0183e+00  6.0429e+00  3.3518e+00  7.7236e+00  2.6815e+00  6.6590e+00
  6.0696e+00  3.9378e+00  5.8580e-01  2.9738e+00  3.7736e+00  2.4404e+00
  2.2493e+00  8.6191e+00 -1.8989e+00  1.8330e+00  4.5074e-01 -2.4309e+00
 -2.6758e+00  4.1492e+00  6.7949e-03  6.2165e+00 -3.0336e+00 -1.1356e+00
  5.2587e+00 -5.8504e+00  4.3932e-01  1.2460e+00  1.5802e+00  6.6280e+00
 -4.8190e+00  1.9917e+00 -4.7898e+00  7.6596e-01  2.7154e+00  2.1633e-01
  3.5450e+00  1.5577e-01  8.0315e+00 -5.4451e+00 -6.6844e-02  2.9067e+00
  6.7571e-01  1.0467e+00  2.1978e+00  3.7417e+00 -1.0423e+00 -1.0938e+00
 -5.2089e+00 -4.9721e+00  3.1013e-01  7.1019e-01 -3.3603e-02 -3.7771e+00
  1.0878e-01 -3.3431e+00 -2.6200e+00  7.4788e-01 -5.5853e+00  3.2259e+00
  4.7526e+00  3.0937e+00  3.3335e+00 -1.7183e-01  3.1877e+00  3.7772e+00
  5.2420e+00  1.9381e+00 -3.0958e+00  1.9480e+00  1.2285e+00 -3.4220e+00
  1.0732e+00 -1.6470e+00  2.2845e+00 -1.7051e+00 -2.8476e+00 -4.9739e+00
 -3.3808e+00 -4.5418e+00 -3.6587e+00 -7.2810e-01 -1.4093e+00  8.5691e-01
 -5.5313e-01 -2.9852e+00  2.9851e+00  1.8093e+00 -5.4318e-02  2.4788e+00
 -3.8399e-01  1.8849e+00  2.7615e+00  1.6546e+00  5.3825e-01 -1.2215e+00
  9.3382e-01 -1.7368e+00 -1.2926e+00  6.1483e-01 -3.1244e+00 -4.5572e-01
 -2.2322e+00 -2.3698e+00  4.6891e+00  1.2390e+00  1.3398e+00  3.9561e+00
 -3.4811e+00 -3.5727e+00  3.0108e+00  1.6071e+00 -3.5510e+00 -2.3647e+00
 -3.5923e+00 -6.0344e-01  5.7880e-01 -3.6509e+00  7.6203e+00  7.6684e+00]
Digital [-5.7750e-01 -1.2313e+00  4.2546e+00  1.8479e+00  7.9478e-01 -2.5723e+00
  1.2780e+00  1.5850e+00 -3.6628e+00 -3.4387e-01  3.6566e+00  1.6340e+00
 -4.0468e+00  3.2471e+00 -8.2431e-01  4.9670e-01  5.7589e+00  8.0796e-01
 -3.3736e+00  1.5425e+00 -1.4786e+00  1.7100e+00  2.7847e-01  8.8854e-01
  3.4986e-01 -1.7838e+00 -1.3265e+00 -3.9032e+00  1.1623e-01 -2.0634e+00
  1.6656e+00  2.6712e+00  5.0213e-01 -8.2127e-01 -8.1819e-02 -4.9370e-01
  4.8495e+00  5.3709e-02 -9.3900e-01 -2.9758e+00  4.7177e+00  4.0706e+00
 -7.5790e+00  2.7260e+00 -3.4619e+00  2.7392e+00  3.2056e-01  1.1048e+00
  2.8309e+00 -5.2122e+00 -6.0316e-01  5.1045e-01 -7.0240e-01 -1.6431e+00
  1.8458e+00  3.2571e+00 -4.4267e+00  2.2531e+00 -1.6160e+00 -2.5708e+00
  3.5064e+00  1.9662e+00  1.7930e+00  3.2682e+00  3.7004e+00  1.7159e+00
  1.2219e+00 -2.9573e+00  3.5298e+00  8.6588e-02 -1.8342e-01  8.8961e-01
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 -8.1966e-01  2.8833e+00  2.8355e+00 -8.6939e-02 -3.4640e-02 -3.8191e-01
 -7.4342e-01 -1.5570e+00 -4.8594e-01 -3.0251e+00 -1.0333e+00 -1.6991e+00
 -8.9237e-01  2.0251e-01 -3.1608e+00 -1.4499e+00  2.5356e-01  8.0454e-01
 -3.5923e-01  1.9210e-01  1.5003e+00 -7.7570e-01 -2.0884e+00 -5.1818e-01
 -3.9813e-01  2.5876e+00  5.0261e-01  4.1367e+00  4.2240e+00 -2.8216e+00
  4.9764e+00  5.0609e-01  4.9134e+00  1.0116e+00 -1.4547e+00 -6.0256e-01
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 -1.8300e+00 -1.0487e+00  4.5237e+00 -2.2970e+00 -1.4606e+00  4.2658e+00
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```

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 -1.0757e+00  3.1112e+00  2.1804e+00  3.3543e-01 -4.8785e+00  1.3351e+00
  2.2015e+00  2.4581e+00  1.0727e+00  8.2716e-01  7.5747e-01  2.0807e+00
  8.7296e-01 -1.4132e+00 -4.4406e-01  5.7549e-01 -3.5217e+00 -4.2713e+00
  3.3292e+00  4.4211e+00 -6.9944e-01  8.5210e-01  2.4703e+00  1.5677e+00
  6.9156e-01  7.2879e-01 -5.7179e+00  6.6140e-01  7.3558e-02 -4.4457e+00
  4.2181e+00 -1.0069e+00 -4.9016e+00 -3.3089e+00 -4.1482e+00  1.6103e+00
  3.7654e+00  1.4762e+00  4.4817e-01  9.1177e-01 -1.1871e+00 -1.6174e+00
  4.1212e-01  1.5264e+00  8.0965e-01 -1.3538e+00  1.4826e+00  6.5532e-01
 -2.8935e+00  1.7588e+00  2.0949e+00 -3.2174e-02  7.0907e-01  1.3357e+00
  3.8008e+00 -2.0584e+00  3.7455e+00  1.4038e+00 -5.1202e+00  1.7466e-01
  1.2039e-01 -2.2893e+00 -2.0366e-01 -1.2381e+00  9.1476e-01  1.7200e+00
  2.9027e+00 -1.4336e+00 -3.2864e+00  3.6384e+00  1.8578e-02 -3.7706e+00
  1.6899e+00 -4.6011e-01 -3.1302e+00  3.9084e-02  6.7653e-01  9.3471e-01
  1.6000e+00 -3.8085e+00  1.8160e+00 -1.3668e+00 -4.7461e-01  1.8611e+00
 -6.0275e+00 -1.4784e+00 -1.1670e+00  5.8430e-01  1.8781e+00 -1.0753e+00
 -5.4878e-01 -1.7630e+00  1.9864e+00  2.5251e+00 -4.2255e+00 -1.7497e-01
  3.2016e-01 -1.1418e+00  2.6222e+00 -3.4097e+00  4.1790e+00  4.3319e+00
 -1.9772e+00 -1.2835e+00  2.6025e-01 -3.9004e-01  7.1564e-01  5.9358e-01
  4.4947e+00  1.3340e+00 -2.0072e+00 -5.2194e-01  1.6447e+00 -2.5341e+00
 -5.3260e-01 -5.2406e+00  1.3337e+00  4.9593e-01  1.9473e+00 -2.3539e+00
 -1.1495e+00 -9.0493e-01 -2.0470e+00 -8.8588e-01  2.3600e+00 -1.8047e+00
 -2.6920e+00  2.5535e-01  1.1387e+00 -2.7713e-01  4.0864e-01 -5.5057e+00
 -2.5879e-01  6.5449e-01  3.1942e+00 -2.5689e-01  2.0868e+00 -5.5574e+00
 -3.6219e-01 -1.5130e+00 -1.4903e+00 -1.5854e+00  2.9716e+00 -1.1545e+00
 -3.8707e-02 -3.7222e+00 -1.0200e-01  3.0158e-01  5.0246e+00  1.8641e+00
  1.3734e+00 -2.3144e+00 -2.6012e+00  1.4387e+00 -1.3382e+00 -1.7353e+00
 -5.5424e-04  1.9324e+00  1.9544e+00 -6.8775e+00  9.4128e-01  1.6144e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
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 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
```

```
 4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
 8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
-1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
-2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
-3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
 3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
 9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
 1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
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-2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
 5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
 2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
 4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
 7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
-3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
-2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
Artificial [-1.6952   -1.5868    2.6415    1.4848    2.3921   -1.8911    1.0618
 1.4815   -2.4829   -0.6737    4.7181    0.92018  -3.1759   -1.7126
 1.8738    3.9971    4.8884    1.2651    0.067348 -2.0842   -0.91348
 2.5103   -2.8926    0.92028   0.24271   0.65422   0.98157  -2.7082
 0.055832  2.2011   -1.8091    0.10762   0.58432   0.18175   0.8636
-2.9986    4.1576    0.69078  -1.641    -0.9626    2.6582    1.2442
-1.7863    2.621    -5.8022    3.4996    2.2065   -0.6505    0.87368
-4.4462   -0.47228   1.7362   -2.1957   -1.4855   -3.2305    4.9904
-0.99718   0.52584   1.0741   -0.53208   3.2444    1.8493    0.22784
 0.67526   2.5435   -0.54488  -1.3659   -4.7399    1.8076   -1.4879
-1.1604    0.82441  -0.90913   0.55472  -1.8213   -2.0123   -2.0601
 2.1127   -0.14464   2.0708   -2.1353   -1.0868   -1.5623    1.9607
-2.1894    0.13736  -1.7395    1.5198   -1.3577    0.14385   0.017781
 2.2485    1.3489    2.0717   -2.1815   -0.44002  -0.19784   0.37606
 2.0844    0.42712  -0.32084   0.59905   1.422     4.4535   -2.1627
 3.5416   -1.8519   -0.025686  2.5394   -1.7854    3.8708    2.4136
-2.6683   -0.36891   2.8414    0.63458  -2.5907    1.4332   -2.3356
-5.2754   -0.014367 -2.0367    1.6751   -2.7288    1.0707   -2.1148
-0.90588  -3.8823    4.5676   -2.5815   -0.74951   3.8138    0.63371
-0.43338  -3.22     -0.96626  -3.6814   -2.5105   -2.4338    0.66773
 1.5915   -1.5696   -2.5972    0.040356  0.57049  -0.40595  -1.4264
 2.3891    3.4155    0.24329   2.3053    1.4308   -2.3955   -1.7784
-2.9788   -1.5811    2.9673   -1.8165   -0.90584  -0.48702   0.87462
-0.69576  -1.3561    1.3876   -1.3609   -0.27858  -2.2956   -0.97089
 4.8478   -1.0214   -2.0427   -2.6439    2.1504   -0.53751   2.513
 1.294    -0.3705   -2.6289   -1.2084    0.31268  -2.4252   -1.4188
-1.6614   -0.46308  -0.54603   0.40394  -0.73544  -1.1712   -0.76565
 0.52035  -0.28269  -2.8918    4.6059   -1.6601   -1.1075    1.3312
-3.6818   -1.7751    0.77048  -4.6272    0.46416  -2.0427    0.56258
-0.4023    2.5476   -0.14187  -4.6834    3.5002    1.7615   -2.6549
 1.52      0.18474  -2.3206    0.6945   -0.12156   2.188     3.626
-1.7612   -0.544     0.27943   1.495     2.6358   -2.3208   -0.95207
-1.8821    1.142     1.2922    2.9404    0.71414   2.2357    1.379
 0.014135 -2.1129    2.4967    1.9137   -2.4337   -0.42659  -0.38548
 1.6684    0.21639  -1.4078   -1.2573    1.9902   -0.28466  -0.17589
 2.7831    0.081716 -1.3836   -3.2181    0.8503   -0.15342  -1.0388
-3.6151   -1.8874    0.21846  -2.4625    2.3154   -1.5459    0.15495
-0.84495  -0.95455  -0.52731   2.9894    2.4099   -2.1828   -0.92516
-0.83722   1.8766   -1.0261   -0.38514  -1.7382    1.1474    3.7647
 0.61038   1.674    -0.95616   0.86997  -3.0926    0.57744  -0.30743
 4.2161    0.10873   0.47404  -2.909    -1.255    -0.47346   1.7767
 0.74206   0.61405   1.3243    1.3444   -2.1476    1.5126   -1.1834
-0.27276  -0.86212   3.1618   -4.7427    0.034106  3.9437  ]
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Intelligence [-2.0155   -1.529     2.2246    3.3614    1.441    -0.66713  -0.87318
  0.12961   0.19239  -3.7841    5.3271    0.25148  -2.9186    1.1435
  3.1895    2.5807    3.8657    0.98279  -2.0845    1.6685   -0.49141
  2.3443   -3.3234   -0.51715   0.43514  -2.7419   -1.579     0.67937
 -0.1611    1.2625    1.1117    2.6914    1.583     3.3088   -1.3516
 -3.2723    1.82      0.11076  -0.4321   -0.52094  -1.7698    1.4703
 -1.0484    1.2793   -2.3483   -0.57853   1.3817   -2.4712    1.8288
 -3.1579   -0.46092   1.1692    0.20695  -3.4065   -0.3368    0.84701
 -4.4497    0.48352   1.0969   -2.7215    0.66176   2.4799   -2.4163
  2.601     2.6072   -2.1636    0.58046  -4.924    -0.60982   3.0976
  0.81081   2.3629    3.5178    1.7531   -4.1531   -0.82334  -0.98484
  3.9645   -2.201    -2.788    -2.2143   -2.3909   -4.231     3.6073
  2.6366    0.65736  -3.6424   -2.7188    2.6785   -0.10469  -0.52032
  3.0584    2.5196    0.86979   2.0978    1.1265   -1.7035   -0.16036
  3.5007    0.029063  1.1278    0.34863   1.4388    3.6534   -1.918
  1.8804    3.0583   -0.34999   2.2742   -1.8669    5.6517   -1.5957
 -3.6902   -0.21064   2.0999   -0.088303 -4.182     1.5999   -3.1611
 -3.0198    1.984    -3.2578    5.0883   -1.6316    3.6073   -4.416
  5.9847   -3.9295    5.467    -3.4571   -1.9904    1.1874    1.7918
  1.0903   -0.11527   0.57156  -1.0392    0.57384  -0.033346  2.3564
  0.30517  -1.7364   -3.2015    2.1169    0.28732   1.3758   -3.8205
  2.5971   -0.83061  -0.29703   1.6885    0.43247  -1.8371    1.7459
 -2.5882    1.3774    2.9475    1.6288   -0.37241   0.61269   2.3489
 -1.6718   -1.0356    0.92825  -2.2656   -0.62268  -2.176    -0.66769
  3.5963   -1.6234   -3.984    -4.5301    2.231     1.131     4.0326
  2.7835   -0.81196  -1.0874   -1.4384   -0.060901 -2.158     3.575
 -1.7333    1.7492    1.066     2.0622    0.28997  -0.94382  -1.3085
 -0.82617   2.8714   -1.1224    1.727     0.92053   0.38835   1.7791
 -4.2625   -1.2497    1.9717    0.47765  -0.16935   0.7878   -0.94302
 -0.50197   3.0564    0.58225  -2.6822   -1.8264   -0.50207  -0.29673
 -1.4756   -1.5226   -2.8753    2.7278   -0.026476  1.9154    3.5096
 -2.3525    3.4428   -1.8859    1.2386    4.2352   -2.3272    1.009
 -1.8193    3.1586    3.396     0.37378   0.57557  -1.3152    2.0199
 -0.3164   -3.3601    2.8667    0.25717  -0.58214   2.2316   -0.98607
  1.3784    3.244    -0.26336  -1.5561    2.2842    0.021839 -3.6543
  2.2384   -0.10556   0.13497  -2.0912   -0.34007   3.2946   -3.1012
 -3.9928   -5.1968    0.58903  -1.9846    1.5608   -3.6555   -1.4094
  0.82177  -2.5863    3.2824    0.48757   1.6568   -1.0499   -3.2103
 -0.51241   3.9709    0.12263   0.83046  -3.8194   -0.43521   0.86234
  0.086352  0.87314  -0.63147  -1.4896   -6.706     1.0667   -0.20065
  2.5102   -1.0997    1.6521   -0.74107   1.3952   -3.3726    3.4975
  1.8165    1.1886    0.064001  2.8498    1.3454    0.32428  -2.8498
 -3.1073    0.71361   4.0753   -2.519    -0.80063   5.3942  ]
Office [-2.9783e+00 -3.9580e+00  4.3320e+00  1.7718e+00 -2.5287e+00 -1.4083e+00
 -5.0050e+00  5.3626e-01  3.4343e-01  3.2997e+00  5.9659e+00 -1.4204e+00
 -2.1257e+00  2.5305e+00 -3.3816e+00  3.5867e+00 -4.9026e-01  4.5400e+00
 -6.6984e+00 -1.6120e+00  1.2020e+00 -2.9280e+00 -3.1463e+00  2.3173e+00
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  1.4247e+00  3.2053e+00  2.2885e+00  1.1288e+00  6.5666e-02  4.2298e+00
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 -1.3459e+00  2.0029e+00 -4.9796e+00 -1.2223e+00  2.4871e+00 -1.3754e+00
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 -2.2406e+00 -3.2088e+00  2.4771e-01  2.2713e+00 -1.9028e+00 -1.5961e+00
 -1.5905e+00 -2.3906e+00  7.6813e-01 -3.1311e+00 -7.0018e-01  1.2775e+00
  3.2156e+00  4.9796e-01  5.0251e+00  3.1861e+00 -1.2655e+00 -3.0896e+00
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 -5.0462e-01  1.8364e-02 -3.8485e-02 -3.7730e-01  2.5411e+00  3.5732e+00
  2.4703e-01  3.9579e+00  2.8136e+00  2.7028e+00  3.5230e+00 -3.2905e+00
```

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  3.9175e-01  1.7529e+00 -6.0646e-01  3.4809e+00 -4.5352e-01 -5.9684e-01
  2.2285e+00 -3.2162e+00  5.2026e+00 -5.1226e+00  2.8061e+00 -1.5861e+00
  2.3640e+00  3.0377e+00 -1.7423e+00  1.2133e+00 -4.2514e-01 -1.0889e+00
  1.2036e+00 -2.6757e-02  8.6129e+00 -3.5119e+00  1.8347e+00 -3.9370e+00
  8.3051e+00 -4.6801e-01  6.1475e+00 -6.6926e+00 -7.9862e+00 -1.1655e+00
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 -3.0903e+00  6.9134e+00 -6.1424e-01  2.1704e-01  2.2517e+00  8.2394e+00]
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  -5.8552    -3.1617     8.764     11.478     -4.2121   -10.776
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  -9.1755    -5.4338     8.6125     3.7147     1.6407     1.4826
  -0.6922     4.6172    13.474     -3.6504     1.1869    -5.1363
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   3.8036    -2.0827     5.5578    -1.0684     7.6801    -5.7769
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  7.5167   -11.899     11.652      3.4704     8.3291     6.1333
  1.2913    -1.6855    -4.0775    -3.8238     1.954     -0.62018
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  3.2352    -5.4692    -2.0027    -0.25671    5.0371    -0.47219
 -0.56874   -0.85925   13.884      2.483      2.3522     0.62728
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  0.71777   -3.2442    -6.5781    -2.0771     3.3449     0.88552
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 10.295     -4.0166    -9.9353    -1.2268    -4.0903    -0.70229
 -7.2082     0.24198    5.4317    -7.3625     5.6531    -7.3531
 -1.0492     7.3757     4.9777     9.9751    -1.9033     9.9376
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  5.0842     3.1616    -7.9781    -0.39797   -4.1924     3.1309
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  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
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  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
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  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
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 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
```

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  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
be [ -9.3526     3.6551    -3.2571     5.9911    -6.4846     7.1636
  -6.8778     5.8018     0.44651    2.9207     3.9148    -6.2731
  -2.715     -7.5783     9.1041     8.4921     0.2554    -3.7184
 -17.598     -5.4603    12.39      -5.4436   -12.536     -4.2497
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  -9.4655    -2.057     -1.9049    -1.4071    -9.9376    -2.8373
   4.0462     3.933    -21.218     10.063      3.6847    -1.982
  -2.8951     4.1914     9.94       3.4236    -1.1198     4.9074
   0.12695    4.5187     1.0551    -6.3807    11.955    -20.982
  -0.79906   -3.4104    -2.8713     9.7351     1.0543   -19.779
  -2.6041    10.358     -7.4775     0.80235   -6.4462     6.5963
   2.6957    -1.4382   -14.456      7.0566     9.8913     7.3564
  -2.7102     4.7989     2.117     23.469     -9.483     18.556
   6.2634    -0.68159   -8.9222     3.1222    -9.9134   -13.277
 -14.698     -0.61453  -11.278     15.269     12.153     -6.4362
   8.3168    -0.57617   13.039      4.6912    10.783      9.01
   8.9161   -22.341     14.51     -13.179      8.3981   -12.374
   1.3767    -6.2885    -7.3373     3.4127    -6.9619     0.14025
   1.1062    -8.4468    -5.9806     5.8997   -14.608     -4.3463
  -2.4014     1.1681    -6.5925     5.7863    -6.0112     4.3464
   1.8992     6.6762   -19.689     -8.1288    -0.47884    2.9776
  -7.7057    -5.3311    -3.163      1.8049   -13.747     -7.7368
   4.6773     7.0958    -0.12492    8.9914     0.057951  10.575
  -4.3069    -3.9989   -12.594     -3.7506   -13.177      2.4683
  13.555      6.6845    -5.1778    -1.6986     2.911     -9.5964
   2.6086   -16.294     -2.7324   -16.234      4.2044    -0.61636
  -1.5742     2.7457    -6.331     13.058      0.43878    3.8143
   5.8193    -0.86261   -2.4524    -6.0752    -6.5281    -2.0051
 -11.717     -6.7138    -9.3846    -5.5737   -23.195     -8.2222
   7.2239    -0.78353    2.1891     3.9541     2.3293     2.673
  14.28      -5.1953    -2.9145     1.2234     8.5788    -9.7768
   1.2007     1.3975     1.5516     4.6011    10.246     -7.4564
   6.4294    -9.424     16.276     19.669    -10.695     -4.1896
  -4.3465     2.1809     1.3355     0.89022  -11.424      5.3054
  -1.0236    -4.0745   -11.403      9.2941    -2.9423    -1.6396
  -6.3623     5.7996    -7.8407     1.1229    -8.2714     8.2435
  -3.1096     1.6742    -4.314     14.231     -2.228     -1.1961
   7.9856    -8.366     -1.8845     6.8101    -0.27822   -9.636
   5.753     -4.7637    -2.5273     3.2163    -8.4082     9.0843
   2.4414    -1.5656     3.2841   -13.151     -0.22789    5.2239
  -3.0686     3.1545   -10.091     -1.0263    -5.8367    -6.5495
 -11.279      5.0036     3.2708     9.3458   -11.598    -14.334
  -6.3938     6.2889    24.726     18.409      0.88376    1.6211
  -1.5313     5.2386     4.2653    -8.2703    -2.2532     8.3013
   4.068     -6.9995     0.92292   10.527     11.084      5.0838
   8.7199    -4.2912     6.5145    17.065    -14.813     -9.5256
  13.802    -13.014     -9.3042    -6.6577    -4.0327    -8.4919
  -9.6338     8.3126    -3.6277     8.0586     0.76819   -9.4156
  -2.7627     2.215     15.5      -13.929     18.177      7.2288
  10.556      6.9498    12.967     -9.9268     3.3723    14.011
  -4.4623     8.0295     2.123     -5.4425    -0.48176   11.279   ]
led [ -2.145      1.009      1.1347    -0.68805   12.499     -0.44641
   1.7177     9.1539    11.808     -6.8927    -7.2727     2.5938
  -3.3634     4.981      2.3142    10.554      1.1701     0.8219
   4.2461     8.8807    -0.46934   -8.2472    -5.129      0.93672
   7.7945    -6.8395     3.2906    -5.1339     7.2614    -1.4487
   1.8008     2.6973    13.823      1.7368   -10.802     -0.57158
  -2.5271     5.4455     1.0726     0.18133   -8.3302     1.3916
  -0.75612    3.6647    -2.1751    -0.63517    1.9764     6.2865
   5.0731    -0.682     -4.4331     4.3973    -1.0238    -2.0412
   3.077     -3.618      1.3246    -2.5577     5.1873    -1.9212
   2.2907    -4.515      0.60316   -3.1248     1.3413     3.3675
  -2.5042     1.0575     3.8213     2.8565    10.731    -14.446
  -0.7085    -2.7095     0.22664    1.0221     2.8973     3.5879
   0.43663   -3.1401    -9.7201    -8.245     -1.3714    12.528
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  1.304      4.7893    -6.4539    -5.5712     1.2788    -3.1527
 -0.51377   -4.053     -9.6293     6.3315     5.7436     4.5384
  0.81076   -7.1592     3.8212    -1.0143     8.1669     3.7837
 -2.4172    17.868      3.1361     5.035      5.7207     6.0848
 -0.36244    2.307      3.4212     4.2095    -0.93598   -3.427
  4.3247    -3.055     -0.73586    3.9871    -6.1142     7.3723
 -0.35036    1.1459     6.3167    -6.2509     1.1595     2.5072
  0.77129    4.112      8.04     -10.306      1.2347     2.1222
  3.8198    -1.0225     3.0361    -2.8076    -2.7777    -0.9801
  4.9125    -2.8716    -0.16684   -3.191     -9.5575     7.7897
  2.8216     4.0918    -9.07      -0.71117   -2.4624     4.2616
  1.5106    -6.5749     4.4863     3.2736   -12.406     -5.3748
 -0.72992    0.11777   -6.0052    -9.638     -0.23563    3.4168
 13.589      3.873      9.402      2.1507     0.48391    1.3752
 -6.146     -1.9436    13.635      6.679      4.1138     1.5554
 -1.3936    -3.0656     0.19135   -2.1275    -9.5745    -1.1483
 -5.968      1.7361     1.0182     6.6439     7.5453    -0.48256
 -1.611      2.4991    -8.4419    -4.286      1.3723    -5.1096
  0.6295     3.1635     1.6595    -3.4554    -8.0374    -2.9011
 -3.4002     3.0214    -2.5844     0.17345   -2.8526    -8.0111
 -2.8719    -2.9802    -5.8078     2.1604     5.1317     5.1226
 -1.1649    -1.8508    -0.79783   -4.6056    12.892     -1.007
 -4.602      0.15692    0.23081   -2.0519    -4.9497     4.4692
 -6.4179    -3.0298    -4.9805    13.114     -6.073      8.5942
 -2.1594    -3.7399     4.9061    -7.6254    -4.7381     9.1708
 12.007      6.2336    -3.6028   -11.71      -4.0476    -2.9364
  7.1091    -0.54448    1.4904     1.9995    -9.9986    10.959
 -2.643     -3.4207    -1.0459     6.0284     5.4844    -2.2494
  0.018344   7.3433     6.4833    -6.5011     4.0294    -2.9541
  1.0675     2.7659    -1.1292    -3.3423     2.8323     0.52268
  0.75919    0.74282   -1.364    -13.218      1.263      7.0801
  1.3166     3.035      2.473     -1.6062     3.2816     0.60869
 11.56     -12.724      0.26763    6.6853     2.6429     0.67205
  3.5873     0.87497   -6.8055    -1.2547    -5.4581    -3.743
 -4.3881     2.4659    -3.2413    -0.13679  -12.503      5.3823
  5.7569     1.4769    -4.5017     0.33578    8.6231    -0.62264 ]
by [-1.3597e+01 -1.0160e+01 -7.4742e+00 -1.3009e+00  1.3852e+00 -5.3938e+00
 -1.7497e+00 -1.2037e+00  3.1916e+00 -6.0399e+00  3.6275e-01  5.7089e+00
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  5.1082e+00  5.3083e-01  2.9989e+00  1.2595e+01  1.3228e+01  1.4965e+00
  2.1765e+01  2.6785e-01 -6.9453e-01  1.1342e+00  3.4244e+00  1.0512e+01
 -3.3441e+00  1.9155e+00 -1.1810e+01 -4.6389e+00  4.1865e-01  7.7917e+00
 -1.2971e+01 -1.6496e+00 -2.7124e+00  2.6460e+00 -1.0813e+01 -1.1220e+00
  8.6055e+00  5.1311e+00 -1.7881e+01 -5.3521e+00  1.1767e+01 -9.7644e+00
  4.4720e+00 -2.5514e+01  6.9071e+00 -7.3404e+00 -2.3063e+00  8.9993e-01
  9.2034e+00  4.1423e+00 -1.4675e+00  1.5585e+01  8.0168e+00  7.3376e-01
 -9.3316e-01  2.7819e+00  1.2779e+01 -1.5932e+00  6.5182e+00 -8.8240e+00
  2.1027e+01 -1.3291e+01  5.3068e-01  1.0145e+01 -6.0175e+00 -5.0384e+00
  6.6626e+00 -1.2754e+01 -4.4321e+00 -3.2013e-01 -2.5488e-01 -1.2406e+01
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 -1.3325e+00 -9.4215e-01 -1.3108e+01  1.3288e+00  9.2262e-01 -1.1471e+00
  6.7108e-03  4.7098e+00 -2.3509e+00  3.4836e+00 -3.6551e+00 -1.4826e+01
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  5.0129e-01 -1.2538e+00 -7.1283e+00 -3.6273e+00 -6.6975e+00 -1.0926e+01
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  1.6690e+01 -4.0188e-02 -1.0845e+01  3.5075e+00  6.1997e+00  8.8412e+00
  1.4016e+01  1.0539e+00 -5.0366e+00  8.7089e+00 -1.0331e+01  1.4258e+01
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 -7.1994e+00 -5.5759e+00  1.5830e+01 -9.3122e+00 -1.7848e+01  6.3007e+00
  9.4401e+00 -8.1329e+00 -3.8750e+00  1.4454e+00 -9.3810e+00 -4.2069e+00
  1.5558e+00  1.8320e+00  4.4403e-01 -8.7893e+00 -6.5963e+00  7.2002e+00
 -5.3241e+00  3.3085e+00  6.2469e+00  1.0447e+01  8.4671e+00 -1.4173e+01
 -1.8341e-01  2.6618e+00  9.6996e+00 -6.5214e-01  2.9095e+00  3.1390e+00
  4.5254e+00 -2.4262e+00  5.0447e+00  5.9459e+00  7.8647e+00 -6.2405e+00
  3.4071e+00 -1.3481e+00  6.2838e+00  7.9975e+00  4.6806e+00 -2.2934e-01
  2.1732e+00 -8.4872e+00  9.6167e+00  4.4229e+00 -4.4991e+00  6.1827e+00
  1.0363e+01  1.4996e+01 -9.3410e+00 -5.5842e+00  5.2312e+00  2.9647e+00
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 -4.2261e+00  1.2459e+01  7.2078e+00 -2.4991e+00 -4.2974e+00  7.9631e+00
 -1.7914e+00  4.1097e+00 -7.7312e-01 -1.5212e+01  5.8616e+00  1.1439e+01]
Capt [-1.0931e+00 -5.4537e-01  1.7050e+00 -9.4236e-01 -1.9456e+00  9.0656e-01
  2.5297e+00 -3.2709e+00  1.9529e+00  1.0943e+00 -3.7990e+00 -1.1638e+00
  7.8248e-01  1.8852e+00  1.1745e+00 -2.6247e-01  1.9552e+00  4.8014e+00
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-1.9913e+00 -7.2819e-01  5.2666e-01 -2.0421e+00  1.9486e+00  3.2809e+00]
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 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
 -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
 -0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
  6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
 -1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
 -1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
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 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
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  2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
 -3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
 -1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
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  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
Xavier [-3.8482e+00 -5.9432e-02  1.7086e+00 -4.7516e-01  1.8360e+00  1.7328e+00
```

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  3.3274e-01  1.1956e+00 -2.3475e+00 -2.5249e-04  3.1837e+00  1.5210e-01
  3.2065e+00 -6.8121e-01  3.5035e+00 -2.8310e-01 -1.9142e-01 -8.6677e-01
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 -2.2385e+00 -2.5867e+00  1.9328e+00  3.9721e+00 -2.1112e+00  1.7400e+00
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 -4.0948e+00 -2.7321e-01  3.3388e+00  1.2606e+00  1.6432e+00 -3.8565e-01
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 -1.3058e+00 -3.9126e-01 -1.5098e+00  2.2918e+00 -3.4622e+00  8.2219e-01
  1.0913e+00 -1.3322e+00 -1.1896e+00 -1.0314e+00 -3.9908e+00 -7.5474e-01
 -7.9220e-01  1.2183e+00  9.2351e-01  8.6467e-02  1.5287e+00  1.6876e+00
  2.0816e+00  1.2526e+00  2.4877e+00 -1.1069e+00 -1.5085e+00  6.6730e-01
  6.7974e-01  7.1855e-01 -2.1947e+00  2.6804e+00  3.3493e-01  1.2398e+00
  2.7575e+00  5.1991e-01 -1.1672e+00 -9.7020e-01 -3.2344e+00  1.6760e+00
 -4.6151e-01 -9.6434e-01  1.2678e-01  1.2929e+00  6.7810e-01 -9.7627e-01
 -4.7244e-01  7.8440e-01 -1.3092e+00  1.9396e+00 -8.4672e-01  5.1737e-01
  1.1043e+00  3.5125e-01 -1.2042e+00  1.5281e+00  9.6879e-01 -1.0864e+00
  2.2862e+00 -9.9771e-01  3.7046e+00 -1.4237e+00 -7.4107e-01 -1.2196e+00
 -1.4222e+00 -1.0825e+00  2.4714e+00 -2.7463e+00  1.1359e+00  2.0451e+00
 -1.1569e+00 -2.4961e+00  2.3287e-01  1.5900e+00  9.4733e-01 -1.2751e+00]
Lugo [ 0.282      0.48517    0.99107   -0.40211    0.86458   -0.63589
  1.1383     0.30471    1.4407    -0.29325   -1.8251    -0.086973
  1.3937     0.28323   -3.4991     1.2321    -1.4974    -0.71888
  1.1576    -1.1907    -1.3307    -2.1646     4.2014     1.0761
 -0.18004   -0.34082   -1.3724    -1.8708    -0.73018   -1.3444
 -1.2502    -1.0915     1.8583     1.8432     0.61083   -2.7662
 -2.4425    -3.5258    -2.1061    -2.503      1.1849    -0.75539
  0.48469    2.343      2.0476    -1.3407    -2.2189     2.4194
  1.7561     0.69707   -0.66195   -1.7515     1.2992    -0.87147
  2.0825     0.047546  -1.2599    -0.54476   -1.3145    -0.93189
  1.9905    -0.022053   1.5245     0.69724    3.326      0.60778
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  1.3703     -1.6952     1.5933     1.26       2.4164    -1.9189
  0.15815    -0.87423   -1.2018    -0.19265    0.90683    2.7168
 -1.1508     -0.6539    -0.79623   -1.8427    -1.3582     1.1896
 -0.95855    -1.9063    -2.4232    -0.66001   -1.955     -2.0738
 -1.2985      0.27266    3.7144    -0.63306   -1.5767     1.2397
 -2.0671      4.2281     0.38926    3.0435    -1.3146     1.2103
 -3.2888      3.3019     2.0328    -0.65945   -5.1604    -0.18377
  1.2673     -0.095249   1.9611     0.70839    0.85724   -0.37113
 -1.7214     -0.20412   -1.7534     0.54016   -2.4895    -0.23566
  2.5525     -0.60775    2.215     -0.48455    1.5119     2.3359
  0.0058808  1.0796      0.33369   -0.42464   -0.32711   -0.48343
 -1.2355      0.27479   -0.0311    -1.0913     2.6011     1.0784
 -0.7165     -0.33298   -3.0178     0.92626   -3.3592    -1.3957
  0.89868     0.96436   -0.96182   -0.96779    1.6082    -0.3975
  0.90933    -0.57405   -0.67006    2.0879     0.43081   -0.63709
 -3.5945     -1.3247     0.08954   -2.6052     0.71902   -3.4198
  1.016      -0.64247    0.909      0.77878   -1.7122    -0.96741
  0.10015    -1.5013     0.017773   0.84109    1.2665    -0.152
  0.77231    -0.8684     1.2946    -2.3885     0.19859   -1.5724
 -1.1557      0.4364     1.5379     1.0026     1.0712     1.6922
  1.2598     -0.92112    1.5433    -0.88617   -0.089004  -0.79708
  0.17369     2.8146     1.3718    -3.6945     1.0114    -1.1026
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  0.73368     0.013943  -1.3764    -1.7876    -1.5242    -2.3523
 -2.2517     -1.705     -1.3242     2.6033     1.8347    -0.12633
 -1.8852      1.1943     1.9668     2.6824    -0.8853     0.10795
 -0.49518     2.0817    -0.42589   -0.46042   -1.0246    -2.539
 -3.3065      0.98128   -0.8766     1.0321    -2.1123     2.7602
  0.93156     0.41284   -2.3122     0.49063   -3.407     -2.5071
 -2.5989      1.5106     0.31867    0.043576   0.37832    1.9112
  0.55699     1.7562    -0.40609    3.1519     0.16603   -1.3522
 -1.8159      0.42767    0.084329   3.8935    -0.38881    0.39465
  3.0509      0.21221    2.5361    -1.1899    -1.3214     1.6474
 -2.7041     -1.6792     3.4321     1.5269    -0.061068  -1.7642
 -0.085534   -0.60988   -0.43991   -2.287     -0.50656    1.2817
 -0.2246     -0.47689   -1.6956     0.32565   -0.39533    0.64147
  0.27949    -0.80453    3.6515    -2.302      0.87772    1.2461
  0.19799     2.6574     1.313     -2.3011    -1.4291     1.3991
 -0.8847     -2.0442     1.7167     0.48365   -0.81835   -1.7172   ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
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  7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
  6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
  0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
  0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
  3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
 -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
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  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
  1.5755     7.9405     8.0812     2.6194    17.189      5.1028
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  0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
  2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
  0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
  5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
  3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
 -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
 -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
  0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
 -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
 -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
 -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
  1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
 -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
 -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
  6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
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  4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
 -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
 14.441    -13.343      1.224      3.2356    10.772     -3.7069
  7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
 -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
  3.2295    14.775      2.1246     7.2148     3.6015     3.3317
 11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
  7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
  3.1062     0.87365   11.799     -3.936      5.7646    10.454
  4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
 -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
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  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
member [-1.7890e+00  6.0182e-02 -8.5224e-02 -3.4975e+00  6.5157e+00  1.1063e+00
 -1.0177e+00  5.0253e-01  4.8106e+00 -3.7472e+00  1.9569e+00 -7.7579e-01
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 -7.1633e+00  6.4823e+00  4.2544e-01 -3.3995e+00  3.5040e+00  5.9721e-01
 -1.3127e-01 -6.5160e+00 -1.7931e+00  2.4867e+00  4.1717e+00 -3.2282e+00
  7.4875e+00 -1.6464e+00  2.1559e+00 -4.4310e+00  5.4622e+00  3.3453e+00
 -5.9757e+00 -3.8756e+00  2.3345e+00 -3.4192e+00 -8.4199e+00  1.2267e+00
 -4.4737e+00  1.9857e+00 -7.7914e-01 -9.6332e-01  3.7278e+00 -4.1321e-01]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
```

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  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
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  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
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  2.0390e+00  4.7667e+00  3.7344e+00 -7.3480e+00  1.3629e+01 -1.1159e+01
 -2.5754e+00 -1.2881e+01 -2.2745e+00  1.1863e+01  5.8389e+00  7.9351e+00
  4.8432e+00  7.5125e+00  9.0460e+00 -8.1409e+00  2.3367e+00 -4.5984e+00
 -2.0708e+00  1.5686e+00  1.3725e+00  1.9903e+00  2.8415e-01  2.3401e+00
  6.2713e-01  7.0234e+00 -2.6601e-01 -7.2316e+00 -4.0903e+00  5.1762e+00
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  1.8392e+00 -7.0507e+00  3.7873e+00  2.2030e+00 -5.5138e+00 -3.1109e+00
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 -1.3070e+01 -4.7889e+00  9.4483e+00  9.0909e+00  1.0614e+01  1.4063e+00
  4.6168e+00  8.5980e-01 -5.9869e-01 -2.9369e+00 -8.0205e+00 -1.7005e+00
  1.2406e+00 -1.1358e+00 -1.0914e+01  5.9935e+00  1.7816e+00 -4.9542e+00]
algorithmic [-7.8099e-01  3.0394e+00  2.6835e+00  1.1991e+00  1.8776e+00  2.0641e+00
  1.6445e+00  3.9780e+00 -2.5707e+00 -3.6720e-01  6.1988e+00  2.3088e+00
 -1.9962e+00  3.4262e+00  7.5158e-01  1.4788e+00  4.2880e+00  3.4832e-01
 -1.5897e+00 -1.6879e+00  1.9104e-01  2.2678e+00 -2.4154e+00 -1.2901e+00
 -4.8152e+00 -1.2325e+00  1.7745e+00 -1.6145e+00 -1.1112e-01  3.3469e+00
 -9.3154e-01  1.5760e+00 -6.4290e-01 -6.5491e-01  6.3382e-02 -2.6273e+00
  1.2407e+00 -9.6914e-01  3.1582e+00  1.0862e+00  1.1489e+00  6.3789e-01
 -7.1969e-01 -7.1683e-02 -2.8975e+00  4.4612e-03  3.5048e+00 -7.1823e-01
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 -1.3076e+00  1.6757e+00 -1.8092e+00  2.0714e+00  2.3695e+00 -1.6984e+00
  4.8069e+00  4.9031e+00 -1.3301e+00  3.8676e+00  1.6167e+00  2.2154e+00
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 -2.5711e+00 -3.7480e-02  6.2831e-01  1.3842e-01 -3.8496e+00 -9.8230e-01]
directorate [-1.9811e+00 -4.0716e+00  4.4145e+00  2.0380e+00 -9.3124e-01 -6.3344e-01
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-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
```

```
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
Insight [ 4.1402e+00 -5.4203e-01 -3.4037e-01 -3.7560e-01  1.8879e+00 -2.5693e+00
  6.7767e-03  2.0932e+00 -3.4047e+00 -4.5661e-01  8.0379e+00 -4.5966e-01
 -4.1167e+00 -2.9733e+00  2.1262e-01 -6.5773e-02  5.8516e+00  2.3862e+00
 -1.3129e+00 -2.0477e+00 -1.0062e+00  2.4923e-01 -2.1979e+00 -3.6613e+00
 -3.5472e+00 -2.8422e+00 -6.0519e-01 -1.5166e+00 -3.6386e-01  4.7179e+00
  1.7427e+00  1.1743e-01  2.4013e+00  5.5174e-01 -1.0728e+00 -2.5036e+00
  1.7998e-01 -2.3686e+00  2.8264e+00  5.5703e-01 -2.1810e+00  4.8897e+00
  1.7424e+00  1.0119e+00 -2.7544e+00  2.6391e+00  2.2801e+00 -3.5281e+00
  3.7756e+00  1.5371e+00  2.3249e+00  5.1482e-01 -1.2662e+00 -2.9122e+00
 -2.4130e+00 -3.4205e+00 -3.0223e+00  2.6464e+00  3.3591e+00 -3.8211e+00
  1.5571e+00  5.6675e+00  1.6627e+00 -1.3160e+00  3.1500e+00  6.9056e+00
 -3.3554e+00 -7.3687e+00  6.1994e-01  2.5668e+00  1.1653e+00  1.9886e+00
 -4.8232e-01 -1.1016e+00 -2.1192e+00  3.0160e+00 -2.4703e+00  1.7823e+00
 -2.1080e+00 -9.7689e-01 -3.3520e+00  1.1863e+00 -2.4299e+00  2.5018e+00
  2.3510e+00  2.0604e+00  2.9077e-01 -6.2162e+00  1.5078e+00  3.0755e-01
 -1.5790e+00  3.0537e+00  2.8983e+00 -3.7318e+00 -5.8294e-02 -8.2844e-01
 -2.3595e+00 -1.1969e+00  6.5231e+00  2.7042e-01  2.2148e+00  9.8588e-01
 -4.2407e-01  1.7914e+00  1.3449e-01  3.4116e+00 -1.6149e+00 -5.1574e-01
  9.3732e-01 -2.0753e+00  4.2116e+00 -1.6062e+00 -3.2590e+00  4.9565e-01
  3.1003e+00  5.0893e-01 -3.9021e+00 -2.4123e+00 -1.3193e+00 -1.3793e+00
 -3.9753e+00  1.4893e-01  3.4845e+00  1.0488e+00  3.2094e+00  2.4659e+00
  2.4679e+00 -3.1209e+00  4.4987e+00  1.0289e+00 -3.1495e+00 -9.3187e-01
  4.1224e+00 -2.4696e+00 -2.9196e-01 -3.7099e-01 -3.8654e+00  3.1048e+00
  2.2226e+00  1.9497e+00 -1.4182e+00 -3.2953e-01 -3.9777e+00  2.3141e+00
 -2.2027e+00 -1.4585e+00 -2.7274e+00  1.2622e+00 -2.4943e+00  5.0312e+00
  1.6524e+00  2.4987e+00  2.4908e+00  1.1842e+00 -9.3735e-01  1.5286e+00
  3.5644e+00  3.8820e+00  1.5271e+00 -4.1347e+00 -1.3602e+00  2.5222e+00
  1.8580e+00 -1.6613e-02 -4.6842e+00 -9.9966e-01 -5.6110e+00  1.3448e+00
  6.3798e-01 -5.9897e+00 -1.5336e+00 -5.0006e+00  2.5436e+00  3.3144e+00
  5.3314e+00  4.5197e-01 -2.6676e+00  1.1466e+00  1.6851e+00 -7.9418e+00
  3.0132e-01  1.2506e+00  6.1443e+00 -3.1432e+00 -1.2211e-01 -4.6162e-01
 -1.2290e+00 -4.3256e+00  1.6287e+00  4.3235e+00 -2.5882e+00 -1.7292e+00
  3.8082e+00 -2.1416e+00  4.4076e-01  1.5122e+00 -2.9467e+00  9.4186e-01
 -6.6444e-01  3.2329e+00 -1.1107e+00 -4.9263e-02 -2.3872e+00  1.9014e-01
  4.7209e+00 -9.5914e-01 -1.9952e+00  2.2913e+00  2.0367e+00 -4.6003e-02
  1.1210e+00  2.9401e+00  2.2317e+00  2.6724e+00  1.3855e+00  4.0274e+00
  2.0923e+00 -4.1178e+00  3.8964e-01 -7.0504e-01 -1.1311e+00  2.2518e+00
 -1.9163e+00  4.0692e-01 -1.1150e+00  1.3648e+00  3.0259e+00 -1.6813e+00
  2.8443e+00 -1.1160e+00  2.0316e+00 -5.5513e+00 -1.3160e+00  1.3149e+00
  1.6751e+00  1.0882e+00  2.6115e+00  1.5289e+00  3.3987e+00  3.4493e-01
 -4.7632e-02 -3.9140e+00 -5.7057e-01 -2.0450e+00 -2.2987e+00  1.7491e+00
 -5.9185e+00 -4.4213e-01 -1.1527e-01 -3.5019e-01 -3.5204e+00 -3.9549e-01
 -1.5245e-01 -2.3428e-01  5.7558e-01 -2.7042e+00  4.4916e+00 -5.4176e-01
 -7.2366e-01  3.8408e+00  4.7546e+00  4.7834e-01  4.4772e+00  1.7074e+00
  2.5057e+00 -5.6022e-01 -1.3809e+00  1.3591e+00  1.0130e+00 -3.5123e+00
 -2.9000e+00 -1.7536e+00 -4.2515e+00 -3.0581e+00  1.4804e+00 -1.4058e+00
  3.2198e+00 -6.7004e+00 -1.2173e+00  4.2238e-01  3.2105e+00  5.0917e-01
 -7.7534e-02 -1.9953e+00  2.7114e+00  1.2451e+00 -5.2418e-01 -1.3030e+00
 -1.5884e+00  5.9436e-01 -1.5423e+00 -2.5891e+00 -9.8717e-01 -2.4829e+00
  1.8030e+00 -5.1449e-01  1.4071e+00 -3.1480e+00 -7.6929e-01  3.0437e-01]
by [-1.3597e+01 -1.0160e+01 -7.4742e+00 -1.3009e+00  1.3852e+00 -5.3938e+00
 -1.7497e+00 -1.2037e+00  3.1916e+00 -6.0399e+00  3.6275e-01  5.7089e+00
 -7.7879e-01 -2.6699e+00 -4.4955e+00  1.0229e+01 -3.7741e+00  1.9941e+01
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```

```
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  2.7450e+00  9.0274e+00  4.4057e+00  4.5512e+00 -2.3472e+00  1.5977e+00
  5.1082e+00  5.3083e-01  2.9989e+00  1.2595e+01  1.3228e+01  1.4965e+00
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 -1.2971e+01 -1.6496e+00 -2.7124e+00  2.6460e+00 -1.0813e+01 -1.1220e+00
  8.6055e+00  5.1311e+00 -1.7881e+01 -5.3521e+00  1.1767e+01 -9.7644e+00
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  9.2034e+00  4.1423e+00 -1.4675e+00  1.5585e+01  8.0168e+00  7.3376e-01
 -9.3316e-01  2.7819e+00  1.2779e+01 -1.5932e+00  6.5182e+00 -8.8240e+00
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  2.4134e+00 -2.3393e-01 -5.0189e+00 -8.5968e+00 -8.8199e+00  1.1072e+01
 -1.3325e+00 -9.4215e-01 -1.3108e+01  1.3288e+00  9.2262e-01 -1.1471e+00
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  1.2841e+01  5.0050e+00  1.2052e+01 -7.4389e+00  6.2969e+00  1.2464e+01
  1.1144e+01 -1.4803e+00 -4.0450e+00 -2.1176e+00 -8.6535e+00  1.1928e+01
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  1.8738e+00 -7.2621e-01  7.3622e+00  1.5278e+01 -9.9145e+00 -1.4540e-02
  1.6690e+01 -4.0188e-02 -1.0845e+01  3.5075e+00  6.1997e+00  8.8412e+00
  1.4016e+01  1.0539e+00 -5.0366e+00  8.7089e+00 -1.0331e+01  1.4258e+01
 -2.8723e+00  1.2215e+01 -5.9559e+00  3.7871e+00 -5.8037e-01 -1.1545e+00
  1.5399e+00 -4.9465e+00 -2.9179e+00  3.8177e+00  1.3188e+00  7.2612e+00
 -1.3473e-01  4.8834e+00 -1.1258e+01  7.0552e+00  7.7883e+00  3.6160e+00
 -7.1994e+00 -5.5759e+00  1.5830e+01 -9.3122e+00 -1.7848e+01  6.3007e+00
  9.4401e+00 -8.1329e+00 -3.8750e+00  1.4454e+00 -9.3810e+00 -4.2069e+00
  1.5558e+00  1.8320e+00  4.4403e-01 -8.7893e+00 -6.5963e+00  7.2002e+00
 -5.3241e+00  3.3085e+00  6.2469e+00  1.0447e+01  8.4671e+00 -1.4173e+01
 -1.8341e-01  2.6618e+00  9.6996e+00 -6.5214e-01  2.9095e+00  3.1390e+00
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  3.4071e+00 -1.3481e+00  6.2838e+00  7.9975e+00  4.6806e+00 -2.2934e-01
  2.1732e+00 -8.4872e+00  9.6167e+00  4.4229e+00 -4.4991e+00  6.1827e+00
  1.0363e+01  1.4996e+01 -9.3410e+00 -5.5842e+00  5.2312e+00  2.9647e+00
  4.6641e+00  1.6112e+01  1.5981e+00 -1.4312e+01 -1.0820e+01  8.6827e+00
 -4.2261e+00  1.2459e+01  7.2078e+00 -2.4991e+00 -4.2974e+00  7.9631e+00
 -1.7914e+00  4.1097e+00 -7.7312e-01 -1.5212e+01  5.8616e+00  1.1439e+01]
Emergent [-1.8221    -0.27114    1.7136     3.5262    -0.21018   -3.4725
 -2.0122    -0.25986    1.8667     1.018     -0.62232   -2.3349
 -4.8802     2.0598    -2.9899     0.788      3.7238     3.1485
 -7.4667     0.69236   -2.0104    -0.91758    0.56242    2.8522
  2.9038    -1.393     -1.7641    -1.2521     1.3477    -2.8506
  0.10859   -1.9228     2.7926     1.2827    -0.61493   -2.6976
  0.52833   -0.40098   -1.1089     0.33693    0.73218   -3.1341
 -1.885      3.2123    -5.4444     3.8623     1.8558    -4.8276
 -0.80518   -1.9738    -2.744      0.59904   -0.64517   -2.3672
 -1.7391     5.2884    -2.2593     0.21092    0.45474   -0.21023
 -1.5715    -0.26448   -4.4953    -1.2789     2.167      0.38136
 -3.0118    -1.7365     3.41       2.9659     2.1299     0.75603
 -2.7109    -0.21995   -0.55255    1.0875     1.5753    -0.024025
 -3.0093    -0.96896   -1.8871     2.2518    -4.4931     0.70883
 -2.371     -0.92736   -3.2251     0.37088    0.76495   -0.45394
```

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 0.88281    1.02       -0.57725    2.1696     1.7546     4.6885
-0.57549   -0.57133    2.523      0.88501    0.85969    1.5815
 0.13298    0.10138   -0.52571    2.8837     5.3955    -0.16055
 1.6757    -4.3503     3.9367    -1.1057     0.6962    -1.3523
-0.79685    1.1947    -0.97505   -0.7963    -2.2158    -2.7339
-1.3078    -2.1468     1.1972    -2.1424     1.0871    -3.3075
 1.6686    -1.5476     4.5637    -3.2288    -5.5626     1.3849
 0.3872     2.3489     3.1617     2.5017     2.0962    -2.6397
-1.6903     2.3663    -0.13362   -2.6425    -0.43822    1.4792
 1.9107     1.2904    -2.7913     0.64044   -0.16268    2.9808
 4.554      2.8924     1.0104     0.44724    0.8933    -1.5256
 1.7565    -0.70157   -1.1495    -1.5086    -0.21463   -1.2071
-1.2347     4.2171    -0.68322   -1.3198    -2.9194    -4.671
 1.3383     1.6482    -2.302      1.4771     1.6416    -1.5612
-0.059142   1.9231    -2.2282     1.8972    -1.9974     1.8376
 1.3239    -0.060241  -1.6932     5.1485     0.17737    1.1844
-1.7018     0.40308   -0.088737   0.61569   -0.072013   1.4045
-1.068     -0.52016    0.66105    1.212     -3.9497    -0.08565
-2.7337     0.26629   -1.6003    -0.67508    2.3994     1.9278
 3.9948    -0.34031   -3.1142     1.8788    -3.4887     0.70835
-0.97867   -0.71373   -1.2464     0.52979   -1.4489     0.76419
 4.5389    -2.2568     1.6728    -2.3907     0.9343     3.2727
-4.1666    -2.846     -0.027962   0.76881   -2.8854    -2.7264
-4.2897    -1.2447     2.9648     3.7125     0.34808    2.3603
 0.81099   -3.1241    -2.024      1.0477    -1.5162    -1.9491
-1.8602    -1.3616     4.4178    -0.53484   -1.6374     4.8725
-6.5863    -0.2225    -5.7553    -1.0969     3.8342    -3.3385
-1.9       -4.6426    -1.2494    -2.4796     1.5594    -2.238
 1.8275    -1.0926    -4.2076     1.9187     0.0086001  1.716
 1.4371    -2.2965     0.81805    1.2597     0.24963   -3.4962
-2.5012     4.0503     3.4989    -3.2527    -1.2958    -0.82843
-3.6509    -6.2433    -0.9663    -0.082129   2.7756    -0.58093
-1.188     -0.35191   -0.74769   -1.6423     1.9082     2.4907
-1.0567    -3.3459    -1.3357     0.11166    1.8301     1.1048
-3.1636     0.85283   -0.6507    -2.2886     2.6847     4.2302   ]
360 [ 1.0397e+00 -2.2969e-01 -1.0855e+00 -1.1159e+00 -1.2210e+00  2.4033e-01
 -5.3248e-01 -3.5387e+00 -6.5560e+00 -1.4744e-02  5.3316e+00  5.9202e+00
 -1.5634e+00 -1.3730e+00 -5.9119e-01  3.1688e+00  7.4300e+00  1.3755e+00
 -8.8867e+00  6.3478e+00 -2.8895e+00 -1.8489e+00  4.0049e+00  3.3869e+00
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  1.8671e+00 -4.5891e+00  5.5711e+00 -5.6667e+00 -3.1908e+00  6.7699e+00
  8.2575e+00 -1.2061e+00  4.0942e+00  2.0649e+00 -2.8320e+00 -3.0787e+00
 -2.7154e+00 -2.1967e+00  3.3548e+00 -9.7464e-02  6.6601e-01 -3.6248e+00
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 -1.0139e+01  4.2160e+00  1.9388e+00 -3.3913e+00 -4.7343e+00  4.9514e+00
 -2.7604e+00 -2.9165e-04  3.1172e+00 -3.8016e+00 -4.8527e+00  3.1724e+00
  9.7538e+00  5.4962e+00 -9.1838e-02  1.8006e+00 -5.1428e+00 -7.5130e-01
 -3.1411e+00  8.4473e+00 -1.0320e+00  7.8952e+00  4.6054e+00 -2.2937e+00
 -2.4918e+00  6.7173e-01  1.3200e+00 -5.8728e+00  3.2981e+00 -6.1811e+00
 -4.7414e+00 -6.7878e+00  1.2796e+00 -1.0611e+00 -3.6401e+00 -4.4210e+00
 -2.4499e+00 -9.9534e-01  5.4326e-01  3.1914e+00 -1.3445e+00  9.9021e+00
  5.8575e+00  1.3614e+00 -1.0391e+00  1.7242e-01  1.3862e+00  4.4878e+00
  1.1425e+00  7.4793e+00  1.0362e+01  2.2539e+00  1.7220e+00  1.1706e+00
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```

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 -1.6044e+00  8.0837e+00  4.1705e+00 -5.1107e-01  1.6701e+00  4.1623e+00
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  3.9271e+00  3.3474e+00 -8.3576e+00 -1.1786e+00 -6.7132e+00 -3.3882e+00
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 -3.5980e+00 -1.9735e+00 -1.7006e+00 -2.1902e+00  1.4172e+00  4.0631e+00
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```

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 -8.2104e+00  2.2042e+00  5.7963e-01  1.8363e+00  4.7350e+00 -3.2297e+00
 -8.2025e+00 -7.3663e+00 -8.8390e+00 -1.8258e+00  4.6651e+00  2.7205e-01
  1.2147e+01 -3.5457e+00 -1.2164e+00 -6.3926e-01  5.5776e+00 -3.9742e+00
  1.4085e+00  3.6215e+00 -2.3530e+00 -2.1967e+00  2.1017e+00 -8.7469e+00]
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```

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 -1.0104e+01  5.8358e+00  7.1776e+00 -6.1520e-01  5.2757e+00 -1.0677e+00
  1.2133e+01 -3.8851e+00  1.3701e+01 -2.0398e+00  3.7745e+00 -3.8799e+00
  1.3181e+00  6.2326e+00 -2.9563e-01 -7.9094e-01  5.1307e+00  6.0025e+00
 -1.9954e+00  9.6425e+00  5.2112e+00 -1.4444e-01 -1.2359e+00 -1.2730e+01]
their [ -3.8402     3.8243    -5.4301     0.9187    11.119      0.44441
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  -6.6365     0.49421    0.24293    0.5615    -1.4421    -3.732
  -1.9506    -3.1115     2.3167    -5.1446    -1.6356    -2.7322
   4.0177     0.15428   -4.004      2.4758    -2.2884     1.7406
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   0.40432    4.978      1.1998     3.7746     4.6606     2.9401
  -3.1054     4.2822    -3.6251     1.0699    -0.28417   -0.92025
  -0.11897    5.6291    -0.68368    9.1428    -2.5627   -10.174
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  -5.6712    -3.9222   -11.158      4.8435     4.4501     3.5901
   2.4092     4.9404    -4.6946    -3.839      0.36616    5.8667
   1.4767     3.371      1.4011    -6.0561    -1.6835    -0.25374
   1.3207    -3.0874     3.1506     5.7927     3.0822     2.5303
   2.225     -0.3309    -0.19841    7.2459    -2.5013    -4.6518
  -5.0206    -4.0491     1.0719     3.5804    -1.5132    -1.3711
   3.3732     5.4327    -0.018398  -1.0071     2.4419    -0.92715
  -1.7785    -0.27877   -2.7413    -5.3569    -0.60236   -2.7845
   2.1031    -3.3476    -1.5399     0.28565   -0.95047   -4.7711
   3.9319     1.0807    -0.013354   0.40796   -3.5971    -0.27782
   2.7012    -1.5703    -3.1079     2.919     -2.9694     0.98083
   4.1152     0.95451   -7.3421     0.93928    6.4882     1.6644
  -1.8358     4.9761     0.22513   -1.7043     1.8224     4.8465
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  -1.6479     0.41191    0.39795   -2.4537    -2.8073     1.3422
  -1.3511    -1.673      1.276     -5.4429     3.6498     0.33063
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  -6.2555    -2.0218     5.7301     0.69842    1.8464     1.8636
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  -1.5034    -1.7848    -1.0808    -3.1814    -0.70515   -0.32539
   2.5912    -2.2702    -4.7326     4.635      3.757      0.22324
   3.0017    -0.09309   -2.5765     2.1072     2.3816     6.8578
  -1.174     -6.7673    -2.5689     0.20856   -6.795      8.5834
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  -0.25759    5.3648    -2.0537    -0.90814   -0.43283    7.5331
  -1.4577    -3.7669     4.765      3.3233    -1.2044    -5.2657
  -5.692      7.2528     3.8883    -0.060934   4.8426    -4.5429
  -2.6827     4.1864     5.0806     6.4829     5.2764     0.43239
   7.0189    -0.60359   -1.6976     7.2432     2.1341    -0.2
   5.3504    -2.0663    -1.2419    -1.0594    -0.60899    4.8102
  -0.42529   -3.5063    -2.3004     3.1948    -0.16793    5.0622
   3.252      5.9607    -4.4454     1.4722    -0.72686    3.0161
  -1.3844     0.37581   -2.0987    -1.8201    -4.9914     0.53
  -0.35955   -3.659     -3.0659    -6.8904   -11.871      1.7354  ]
infrastructures [-0.8712    1.0517   -0.22158  -1.1701    2.3349    0.26626   1.4971
  4.989    -0.97621  -1.0839    5.1311    3.9549   -4.3808    2.4339
 -2.301     0.54803   2.211    -0.1116   -4.9607   -1.6086    3.9314
  2.8321   -0.84663   1.0912    0.013663 -1.6726   -2.2648   -3.4051
 -2.197     1.0054   -0.2842    2.3095    0.81632  -1.0649   -0.28028
```

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 -1.9244    1.4733    1.0889   -0.55578   0.26549   3.5854   -1.3159
 -0.33656  -0.52347  -3.0524    3.5392    1.2044   -2.9131   -0.14012
 -2.4387   -0.51098   2.5924   -0.12721  -5.479     1.8927   -0.40557
 -2.1201    1.0954    1.4929   -3.3848    2.5802    0.27446  -0.79547
 -3.4948    2.7696    2.0567   -2.8905   -2.565     2.9447    0.056728
 -2.7829    1.6671   -0.13555   2.887    -0.72714   1.5572   -1.7711
  1.412    -1.2152    0.81543  -1.4669   -1.2309   -0.79717   1.3267
 -3.189    -0.83592  -2.4887   -2.472     2.559     0.37525   0.28108
  0.24568   0.13628  -2.8441   -1.1383   -1.1542   -0.75251   1.2981
  1.4192    2.2387    3.6771    0.39348   1.3856    1.6468   -0.62682
  5.5986    1.2837   -2.432     0.23775  -3.5024    2.2682    2.0083
 -0.92978   1.0452    0.96408   3.0407   -2.3327   -2.3534   -0.4626
 -3.193    -2.9247   -4.0676   -0.15715   1.7316   -1.3164   -3.2298
 -0.76795  -0.11498   3.5284   -3.6053   -3.3437    1.5701    6.2621
  1.5178    1.7805    0.4315   -2.4308   -2.5996    0.22654   1.3324
 -1.5491   -1.1103   -0.020414 -1.3358    2.4145   -1.5826   -5.7774
 -0.9371    0.046991  2.9134   -0.71066   2.0258    1.0522    0.3736
 -1.9019    0.59808   2.1499    2.7214   -0.86906  -1.9745    0.22396
 -1.3909    0.72425   3.3636   -2.2848   -0.23503  -3.6317    1.8191
  2.8093   -2.1091   -2.2229    0.12372   1.0051    0.76941   0.7842
  0.43777   0.33122   0.22219  -2.7777    0.64467  -2.8936    4.9409
 -2.0028   -3.2626   -2.0604    0.85785  -0.66677  -0.11666   1.3623
  0.55811   1.9987   -2.6168    1.8367   -3.2731    0.033643  2.22
 -1.0377   -0.028727 -2.1849   -0.58203  -1.7353   -0.52715   0.81998
 -1.9033    6.2358   -1.1749   -5.4799    0.60841  -1.8903   -1.5203
  1.1064    0.24354  -1.5443    2.3715    0.4124    2.0131    3.2073
 -6.5732   -0.46561   0.79342  -0.011871  3.5217   -1.3651   -2.3204
 -1.1346   -3.4285    0.9383    1.0214   -0.838    -1.0394    5.1053
 -1.6749   -1.7824    2.5516    2.314     0.075264 -0.77715  -1.9688
  1.6648    2.0288   -2.4009   -0.73086  -0.49618  -0.43167  -4.9535
 -0.57566  -4.1779    1.3352    1.3008    1.0509    0.81533  -2.8151
 -5.8263   -1.005     0.82683  -4.4058   -0.47666  -0.95647  -0.55382
  1.5516   -2.0412    7.0382    2.5846    0.84546   2.565     0.59785
 -0.80316   2.882     0.37322  -0.69505  -1.2359   -0.83871   2.7145
  0.071778  0.6922   -3.9408    2.5042   -5.1972   -0.14687   1.1122
  5.5308    1.3129    2.5897   -1.9785    2.3515   -0.16151   2.3427
  1.3833   -1.5556    0.10664  -0.81122   0.13913  -1.1358    2.9301
 -0.72403   1.5882   -1.1055   -1.3513    1.9241    5.6717  ]
become [-4.6788   -0.37911   2.4538   -0.76912   5.6289    4.6546    1.6301
  4.2206    0.58056  -4.8372    5.8934   -1.027    -2.0546    4.3634
  3.1435    3.8558    2.0313   -1.0265   -1.0456   -1.4925    3.4532
 -1.1843   -6.5084   -1.5488   -1.0633   -3.6121   -3.4734   -0.71487
 -1.6968    2.8597    1.3993    3.0519   -3.8794   -4.0607   -5.0548
  4.0789    1.205     2.2956    1.8001    0.84193  -5.4484    2.1197
  0.67317   3.2988   -3.1373    1.4267    3.2575   -0.98402   1.0787
  3.2388   -0.58794   3.2352    2.1098   -4.3203    0.58911  -1.1204
 -1.7711    4.1895    0.95402   0.20398   2.2082   -3.6361   -2.6505
 -1.5632    2.0242    3.5847   -5.7239   -3.7659    7.0244    8.6651
  1.5584   -3.1547    1.4798    5.4612    1.4833    0.54375  -4.7178
 -2.7656   -6.7308   -0.27557  -6.2226   -1.0329   -0.82412   0.55811
  1.4735    1.4355    3.6573   -1.8368    0.40523   0.48446   2.7866
 -3.7586    5.4991   -1.8188   -0.87711  -2.3748   -0.59201  -3.0762
  0.10088  -2.0303    1.4988   -1.2319   -1.2591    3.1968   -2.5424
  5.7886    4.0019   -2.937    -2.1952   -6.8405    3.1992    1.8315
 -4.7889    1.1899    1.1276   -0.59988  -7.3658   -6.6756   -2.5927
  5.4197   -4.2606    0.5585    0.51699   1.2599   -3.6283   -2.4062
 -2.2412   -1.8158    5.9683    2.7385   -0.11095  -0.47388   7.0131
 -2.6394   -0.10242   1.8569   -7.099    -2.3839    3.8045   -2.6364
  0.27305  -0.92481  -4.491     6.9664    3.0741   -5.8179   -7.9063
 -1.3109    2.8867   -1.1097   -0.64126  -0.19518  -0.6564    8.0872
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  2.1966   -1.6377   -5.2704   -2.5469   -2.3329   -4.7492   -2.3538
  3.0073   -0.53087   5.6998    0.26639   6.0797   -0.76937   3.4547
 -1.3278    2.6369   -0.6692   -1.8697    2.5741   -2.2815    1.1466
  1.8578    2.0447   -1.6098   -0.82227   2.7365   -1.6367    5.5075
  3.8502   -4.4253   -5.094    -5.7729   -0.58319   2.6294   -2.1545
 -6.4796    3.1365    0.21202   0.25482  -0.35481   1.2975   -4.3955
 -0.88652  -0.99905   1.5479   -3.6855    2.8869   -1.0646   -0.6929
 -0.47071  -2.7347   -0.87563   4.3161    3.9436    1.1082    2.8457
 -5.7583    1.8254    0.46299  -3.3209    1.0375    0.43029   1.6468
 -0.75546   1.001    -0.021058 -0.23804   6.1855    3.8835    5.2829
 -3.5041    1.4602    4.1172   -2.4484    3.2412   -3.5368   -5.2814
 -2.8336    2.4383   -1.338     5.2019   -3.5986   -0.29509  -5.8436
 -0.73183  -6.7851    0.88478   1.8262    2.0471   -0.63298   0.74691
 -2.813    -1.3496    6.1381   -3.3419    0.56806  -1.756     1.3885
 -1.1695   -1.5121   -0.8992    4.1118    0.050618 -1.4763    0.16327
  4.1512   -0.71361  -0.92372  -0.95305   4.5823   -2.0588   -1.2791
 -3.0332    2.6089   -4.932    -2.3715   -1.1779    2.0006    0.88413
  0.91064  -0.29176   0.74984  -3.2745    3.6276   -0.42214   2.1187
  2.4074   -1.9176   -1.5142    4.0775   -4.2513   -4.6134    4.3842
  1.753    -1.8525   -0.15394   6.7391   -6.2331    1.1963  ]
increasingly [-1.9761e+00 -2.4407e-01 -9.3393e-01  1.4419e+00  4.6388e+00  4.4410e-01
 -4.8713e-01  4.9541e+00 -3.5672e+00 -3.1047e+00  5.6252e+00  3.5577e-01
 -2.6964e+00  5.5673e-01 -6.9507e-01  3.2918e+00  1.9478e+00 -5.9391e-01
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  3.2921e+00  1.1989e+00 -1.2295e+00  4.7880e+00  4.7017e+00 -9.6352e-01
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  1.1786e+00 -2.9436e-02 -1.7663e+00  1.6142e+00  2.2457e+00  2.8088e-02
  9.1009e-01  1.7340e+00  1.4839e+00 -9.2270e-01 -1.8133e+00 -3.0366e+00
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 -4.1681e+00 -1.0265e+00  2.5001e+00 -2.9101e+00 -3.1717e-01  7.5626e-02
  1.5280e-01  2.3592e+00 -5.2675e-01  3.0807e+00  4.8214e+00  1.7144e+00
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  3.3351e+00 -2.6539e+00  9.2365e-01 -6.8874e-01  2.6310e+00 -1.5948e+00
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 -1.1254e+00  8.2147e-01  2.3746e+00  1.1583e-01 -4.5321e+00  3.7410e+00]
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  5.3135e+00 -5.0412e+00 -1.1373e+00  4.3427e+00 -1.4691e-01  4.8051e+00
 -3.9004e+00  2.4481e+00 -1.9508e+00 -1.2819e+00 -2.2771e-01  5.8065e+00
  7.5025e+00 -3.0082e+00  3.9127e+00 -1.5519e+00  3.0463e+00  1.9299e+00
  4.9932e+00 -9.5102e-02  1.3453e+00 -3.4847e-01  3.9329e+00  2.5591e+00
 -1.0527e+00 -1.2226e+00 -1.5272e+00  1.4648e+00 -1.5996e+00  1.9056e+00
 -5.2135e+00  1.3322e+00 -4.6017e-01  4.0177e+00  7.4772e-01 -2.2965e+00
 -1.0551e+01 -8.7115e-01 -8.6112e-01 -4.2567e+00  1.9797e+00 -1.0517e+00
  8.9757e-01  7.6777e-01 -1.8844e+00  7.3881e+00  5.4689e+00  4.8154e+00
 -6.2736e-01 -5.2616e-01 -1.1774e+00  5.1628e+00 -2.2232e+00 -4.1540e+00
  5.5025e-02  5.7950e-01  2.7063e+00 -9.3212e-03  2.6447e+00 -1.2311e+00
  2.2564e+00 -1.5311e+00 -2.8180e+00 -1.1891e+00  6.6618e+00 -4.6922e-01
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 -8.7111e-01  2.5233e+00  2.1316e-02 -9.2728e-01 -1.9459e+00  8.7898e-02
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  1.6481e+00 -9.9455e-01 -6.6441e-01 -1.3332e+00 -6.0480e-01 -2.2791e-01]
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  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
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   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
federal [-3.4745e+00 -2.1166e+00 -4.9354e+00  2.3518e+00  3.8481e+00  5.5775e-01
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 -3.6013e+00 -2.0730e+00 -7.3788e-01  1.7879e+00 -1.0805e-01 -1.1119e-01
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 -1.5493e+00  4.6604e+00  8.0035e-01 -4.8015e+00  9.3160e-01  3.3057e+00]
CISOs [ 1.0056e+00 -1.4462e+00  4.5743e-01  2.2845e+00  3.4276e+00  3.0868e-01
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 -6.9773e+00 -1.6846e+01 -9.1269e+00  3.8308e+00 -7.6991e+00 -2.1279e+00
  3.6912e+00  2.4098e+00 -5.2289e+00 -8.2208e+00  2.6820e+00  1.2330e+01]
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  7.9232    2.9896    2.9888   -3.9033   -0.62906   0.29511   2.1008
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  3.4078   -6.624    -4.6349    4.428     3.5896   -3.8479   -0.93101
 -0.4436    3.9852    5.9579    0.014618 -8.5034    1.1659   -1.5011
 -2.0552    5.5996    5.0971   -4.3562    5.6437   -2.0955   -1.906
 -4.0016    2.0488    3.3355   -5.8238   -5.8871    1.3873   -0.8824
 -0.13052  -5.5085    5.312    -2.44     -4.1465    1.7904   -0.31691
 -1.6561    5.2006    2.7457   -3.5723    3.1243    5.253     1.8679
  2.6796    0.54308   5.4387    0.74761  -1.9343    0.69794   0.37705
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 -0.72358   0.79063   2.9925    5.0935   -7.8238   -3.3739    0.25555
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  1.6089    2.3186    6.7844    4.8029   -4.67     -3.582     2.1081
 -3.7875   -0.33923  -5.8347   -4.5862   -3.0756    5.3512   -2.0867
  0.51709   3.7639   -4.8543    7.9225   -4.2189   -3.6684   -7.059
 -7.1831    1.2325    2.8192    1.4073   -1.7426   -0.82046   3.3684
  0.78963  -0.097203  5.1117    2.4525    4.6351   -2.3609   -0.98693
 -2.5506   -0.91281  -4.9295   -3.304     4.6029   -3.0547   -1.7721
  0.9187   -4.0008    3.6005   -0.51687   5.5941    2.3035   -3.035
  2.1644    3.4133    1.5523    3.543    -5.5448    1.9473    0.19484
  2.5673   -3.1175   -2.1708   -1.2645    3.9964   -6.0758    4.1033
  3.6137   -2.5671    0.88592  -4.2087   -4.4901   -4.2532   -3.5351
  1.3512    0.026107 -2.3955    5.3694   -1.2085    4.9184   -1.0188
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  5.6487   -3.7273    6.157    -2.4405   -4.6768    4.5238    3.5021
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  3.6785    1.5805    2.8913    2.8228    3.4691   -3.7968   -4.9389
 -6.0536    0.36528  -1.2794   -4.8192    0.45946   1.9822    4.3583
  7.7564   -0.62218  -0.64501  -2.7937   -0.53365   4.1921   -0.36087
 -3.8663   -5.1804   -1.9108    3.9533   -1.5217   -1.8437    2.6605
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  3.1317   -2.7948    1.0076   -3.5229    1.2696    0.3554    0.065726
  2.9246   -2.7058   -4.7225   -2.2335    4.7865   -2.3826   -5.1825
 -0.36576  -0.76934  -8.4553    0.60765   1.1119    0.34777   2.046
 -3.9825    0.68921   0.019619 -3.841     4.5246    2.5259    1.6597
 -1.2193   -2.7521    3.6169    1.4411   -1.2544    4.5607   -2.4044
 -1.4097   -1.6106    4.1964    0.68189  -4.5222   -4.5103  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
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   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
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   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
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   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
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   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
automation [-0.24732  -2.1652    2.9891    5.2145    4.894    -0.39001   0.35923
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  1.0326    2.964     4.7919   -0.91346   2.2822    1.3817    0.92504
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  1.3549   -0.11882  -6.1208   -3.1876    0.64753   3.14      5.8601
  4.1849   -0.23969  -0.10355  -1.44      0.38793  -2.9096    1.4734
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 -5.8882   -2.4977    4.0896   -3.5894   -1.907    -2.3415    0.079775
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  7.1982e-01  1.5390e+01 -5.9424e+00 -8.7123e+00 -3.2456e+00  5.7091e+00
  7.6600e+00  1.1422e+01  6.1826e+00 -5.4187e+00 -2.1678e+00  1.5463e+00]
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  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
critical [ 1.1289e+00  1.5772e+00 -9.8501e-01  8.5355e-01  7.6448e+00 -8.9066e-01
  3.0337e-01  4.6620e+00 -3.4168e+00 -4.5348e+00  6.5244e+00  6.0114e+00
 -5.8746e+00  6.6453e-01 -1.0059e+00  3.1051e+00  4.4702e+00 -9.5734e-01
 -3.7006e+00  3.5155e+00 -8.7578e-02 -1.8493e+00 -2.6212e+00  1.6397e-01
 -1.1508e+00 -3.0028e+00  1.8901e+00  1.7995e-01 -1.2492e+00  3.5539e-01
 -2.9239e-01  1.7792e+00  1.3351e+00  9.9337e-02 -3.6644e+00 -3.7958e+00
  1.5613e+00 -5.9858e-01 -2.8125e-01 -3.9692e-01 -9.5028e-01 -1.4549e-01
 -2.2336e+00  3.6634e-01 -8.2081e-01  4.5722e+00  1.0741e+00 -3.5168e+00
 -6.6608e-01  6.6667e-01 -4.6609e+00  3.2697e+00 -5.3433e-01 -1.6707e+00
 -4.7837e-01 -3.7945e-01 -4.0945e+00  1.3183e+00  1.8041e+00 -5.7087e+00
  1.3871e+00 -1.6438e+00 -3.4097e+00 -1.8288e+00  1.5491e+00  5.8432e+00
  6.1095e-01 -2.9050e+00  2.0229e+00  2.2440e+00  3.9826e-01  1.2090e+00
 -5.4369e+00 -9.9116e-01  4.2414e-01  3.6454e+00 -3.2962e+00  3.1719e-01
 -1.2607e+00 -4.4307e-01 -3.5648e+00 -2.6266e+00 -2.4000e+00  3.3851e+00
  2.9644e+00  2.2137e+00 -3.1020e+00 -4.9934e+00  5.3859e+00  3.9440e-01
  3.5991e-01  2.6232e+00  1.6964e+00 -4.5298e+00 -1.1327e+00 -2.3756e+00
  2.2370e+00  2.5716e+00  1.4959e+00  7.8452e-01  2.9820e+00  4.1013e+00
  7.9898e-01  5.2318e+00 -1.8026e+00  8.1317e+00  2.0956e+00 -1.4191e+00
 -2.3375e-01 -3.0304e+00  4.1099e+00  4.0808e-01 -1.4814e+00  9.7078e-01
  4.4975e+00  5.5206e+00 -1.3644e+00  1.5913e+00 -2.9274e+00 -1.5638e+00
 -3.1243e+00 -3.1335e+00  1.8897e+00 -5.6207e-01 -3.2474e-01 -3.3438e+00
  3.9073e+00 -2.4229e+00  3.9665e-01 -1.2488e+00 -1.8089e+00 -2.0355e-01
  6.9802e+00  3.1325e+00 -2.0564e+00  2.7677e+00  1.0331e+00 -1.1969e+00
  4.8983e-01 -2.2499e+00  1.9133e+00 -1.7035e+00 -3.7818e-03  2.8511e+00
  3.1564e+00 -6.8719e-01 -3.3328e+00 -3.0290e+00  1.6104e+00  4.0622e+00
  3.6046e+00  3.3873e+00  1.2007e+00  1.1523e+00 -1.7761e+00  3.5122e+00
 -1.1829e+00 -3.9119e-01 -2.8590e+00 -2.9645e+00  2.0840e+00  2.7531e+00
  2.3020e+00  3.2342e+00 -3.7138e+00 -2.1115e+00 -2.1838e+00  7.9514e-01
  1.5479e+00 -2.3169e+00 -1.3498e+00  1.6327e+00  3.4666e+00 -3.0194e+00
  7.0216e-01  3.6859e+00  1.4571e+00 -2.4429e-01 -4.3534e+00 -9.4611e-01
 -1.6769e+00 -2.6543e-01  2.4810e+00 -2.2048e+00 -4.2617e-01  4.2404e-01
 -1.7602e+00  1.0455e+00 -1.4644e-01  4.0201e+00  1.1901e+00 -1.6234e+00
  1.3467e+00 -1.8397e+00 -2.0938e+00  1.2889e+00 -6.9698e+00 -1.9727e+00
```

```
  1.5071e+00  2.0458e+00 -2.8138e+00 -3.4888e+00 -3.1736e-01 -2.6329e+00
  4.8938e+00  1.8736e+00 -6.0354e+00  2.4838e-01 -1.8117e+00 -4.3957e-02
  6.2286e-01 -2.4422e-01 -4.4560e-01  1.1911e-01  2.6860e-01  1.8833e+00
  2.8052e+00 -4.1809e+00 -2.6674e-01  3.5080e+00 -2.0457e+00  5.8749e+00
 -2.2342e+00  1.4983e+00 -2.1202e+00  1.3822e+00 -2.4568e+00  1.0533e+00
  2.0406e+00  3.9525e-01  5.2391e+00  1.8516e-01 -7.8290e-01  2.2505e+00
  4.3366e+00  2.5081e-01  2.0566e+00 -1.4961e+00 -1.2143e+00  9.0674e-01
 -2.4463e+00 -8.1597e-04  1.4784e+00 -1.0306e+00 -8.3877e-01  1.8406e+00
 -2.1415e+00 -1.7944e-01 -1.5810e+00  3.5417e+00  3.7482e+00 -2.9011e+00
 -4.5909e+00 -4.0913e-01  6.0127e-01 -4.1149e+00  3.0172e+00 -1.0149e+00
  4.1210e-01  2.5943e+00 -9.4659e-01  2.9226e+00  7.8744e+00  3.9164e+00
  4.5290e+00  1.6692e+00  2.1014e-01  5.4576e+00 -8.2019e-01  5.0284e-01
 -1.6894e+00  1.0761e+00  5.9543e+00 -3.2269e-01  7.2718e-01 -1.4296e+00
  3.7543e+00 -3.8761e+00 -3.1203e+00  3.3798e-01  4.7165e+00  8.2482e-02
  2.0729e+00  5.5214e-01  7.7994e-01  9.2850e-01  3.8000e+00 -3.9052e-01
 -3.0993e-02 -3.0504e-01 -7.3414e-02 -1.9072e+00 -1.5658e+00 -8.2315e-01
 -2.9181e+00 -2.3166e+00  5.8052e-01 -3.4859e+00 -4.4513e+00  5.8879e+00]
tool [  2.5011     2.6066     0.94843    3.295      3.6194    -0.42159
   0.33011    2.8304   -10.701      1.4609    14.336      3.6065
  -4.9575     5.9952    -0.089779   5.0806     7.983      4.3828
   0.63033    1.9082    -0.39767    5.801     -2.5523     0.13838
  -5.4959    -1.0117     0.4977    -3.6825    -5.2875     2.1339
  -3.2208    -0.55401   -1.0335     4.9194     5.4998     4.597
   4.8014     0.9058     5.882      2.3178     3.1759    -0.2851
  -1.0888    -0.20722   -2.7524     3.8181     5.6789    -1.7273
   1.0208    -6.5439     2.7195     3.1687     3.8707    -3.6568
  -1.913      2.9648    -3.1078     7.8936    -1.5152    -7.3057
   5.921      8.0731    -6.0704     3.6103    -2.2519     4.3982
  -0.86714   -7.8274    -8.9526     3.1202    -2.9819     1.1445
  -2.0315     8.7714     0.24439    1.5054    -1.201      1.5949
  -1.9591    -2.5963    -4.4314    -4.5756     6.0892    -2.1634
  -4.2984    -0.48868    0.95227   -2.2703     5.6547     0.59093
  -3.1926     2.9141     1.3386    -0.37005   -3.9356    -1.6287
   3.6155     1.757     -1.3308    -4.8804     0.95411    2.3578
  -0.56231    6.3915     1.5608     3.7152    -7.8397    -0.39579
   2.4489    -2.3602     1.0476    -4.5338     0.21207   -1.4712
   4.0284     3.077     -6.1893    -2.629      2.8169    -1.9101
  -9.0781     3.307     -0.75617    4.3907     3.1553     1.2977
   1.2897    -5.0065     1.6713     1.4428    -1.7516     0.50288
   2.619     -0.77571    1.1636    -2.163      0.98464   -3.3943
   0.77022    4.8581    -1.4421    -3.6017    -1.3694    -1.9625
   5.5855     2.7476     0.94966    1.5045    -1.3437     6.4914
  -0.085364   6.8158     2.3344    -1.3607    -0.38356   -3.9201
   5.7208     5.2439    -2.3025    -5.5058     3.9406     5.7938
   1.58       1.7274    -0.8359    -2.6889    -3.3615    -0.63122
   2.2032    -6.7922     0.34704    1.4889     0.57365    3.8294
   6.5276    -1.8127     0.82467   -0.59708   -0.16515   -4.4972
  -4.2127     3.7902     1.5704    -9.2639     1.7454    -1.1123
  -6.7616    -4.943      3.0467     3.2923    -2.0001     0.9662
   1.1172    -0.14995   -0.78158   -0.92051   -2.0397     2.8434
   1.5488     0.046034  -5.6614    -0.94399   -5.1967     2.7649
   1.2653     1.4507   -15.846      4.4258     5.6515    -4.6341
  -0.38342    4.204      2.8787     6.8723    -2.3263     1.9819
   5.3458    -4.7456     2.2103    -0.55732    0.61891    0.12076
  -5.2017     3.3274     4.5419    -7.4264     6.2626    -2.8799
   4.6234    -3.0702    -3.0437    -3.2536    -5.0567     2.3593
  -1.2805     0.91484   -2.3844    -6.4168     5.6489     7.6148
   0.6045    -2.3558     1.4427    -0.38739    0.20184   -3.402
  -0.92849    4.4223    -3.904      1.8934     3.4352    -0.086343
   2.3545    -8.5634    -3.5874    -1.8132     1.979     -2.1439
```

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   2.332      2.8866    -3.6725     5.4699     2.4109    -3.5124
  -0.14294   -1.5372     0.7668     2.7146    -2.5034    -2.9147
   2.0247    -1.919     -4.4645    -2.8539     0.62107   -8.5393
   3.9481    -0.3274    -1.1563     3.3451    -2.7819    -4.6792
   4.373      2.9202     3.8464    -1.5682     1.7799     1.3133
  -5.36       4.2482    -1.8545    -4.8352     3.3225     1.8397
   1.9431     5.196     -2.7355    -2.7688     1.1456     1.7258  ]
in [-3.7766e+00  6.9426e-01 -3.3805e+00  2.7050e+00  8.6019e+00  2.8878e+00
 -4.6254e+00  9.0990e+00  1.1907e+01 -1.3739e+00  9.5450e+00  1.9530e+00
 -1.9000e+00  8.5669e+00  2.8928e+00  4.8758e+00 -1.2887e+01  1.9720e+00
  3.8513e+00 -3.3540e+00  5.9163e+00  1.7272e-02 -1.0303e+01  1.0167e+01
  6.3080e-02  1.7523e+00 -6.9164e+00  6.4488e+00 -4.1364e+00  1.0931e+01
  4.3396e+00 -3.5339e+00 -7.9226e+00 -6.3873e+00 -1.5154e+01  4.1926e-01
 -1.1617e+01 -2.2857e+00 -9.2245e+00 -6.4154e+00  8.9911e-01  3.5330e+00
  9.6033e+00 -1.9171e+00  2.7537e+00  1.1700e+01 -5.0130e+00 -3.9815e+00
  4.0893e+00  7.2046e-01 -8.1944e+00 -1.7456e+00 -3.0278e+00 -1.0150e+01
  7.9206e-01  7.9850e+00 -3.2232e+00 -3.7988e+00  5.6403e-01 -4.2275e-01
 -2.1077e+01 -1.5553e+01  8.2781e+00  2.8786e+00  3.3721e+00  4.4616e+00
  8.8803e-02 -1.7856e+00  4.8491e-02  3.3236e+00 -9.9941e+00 -5.2387e+00
 -5.6858e+00  5.1708e+00  8.8262e+00  3.9100e+00  1.1032e+00  1.2414e+01
 -9.1521e+00  9.6854e-01 -3.8445e+00  8.7535e+00  2.8965e+00 -2.6540e+00
  1.2772e+01 -3.3564e+00 -1.2363e+01  7.9658e-01 -8.1607e-01 -6.0703e+00
 -6.1291e+00 -3.0092e+00  6.5350e+00 -4.7751e+00 -8.9456e-03 -2.2075e+00
 -1.0376e+00 -3.6740e+00 -2.7350e+00  1.0487e+01  5.8884e+00  7.7475e+00
  7.6607e+00  7.8970e+00  3.8282e+00  4.9817e+00  8.8947e+00 -6.3687e+00
  2.1737e+00 -1.2384e+01 -2.8605e+00  5.0267e+00 -8.3735e+00  4.2114e+00
  6.4405e+00  5.9427e-01 -2.2205e-03  9.1555e+00  3.5659e+00 -4.7187e+00
  6.0493e+00 -4.1783e+00 -2.0241e-01  3.0437e+00  8.6808e-01 -5.3196e+00
 -4.3244e+00 -6.3313e+00  1.1503e+00 -8.2564e+00 -1.3343e+00  3.6386e-01
  1.7420e+00  2.8652e+00  4.8100e+00  1.6264e+00 -6.1047e+00  3.5232e+00
 -6.3351e+00 -1.0964e+00  3.0366e-02 -3.2538e+00 -1.2125e+00 -8.5521e-01
  4.3126e+00  7.4029e+00 -6.7833e+00 -2.2113e+00  8.5914e+00  4.6793e+00
  7.3408e+00  6.3308e+00  9.6443e-01  4.5821e+00 -8.6881e+00 -4.2152e-01
 -5.5799e+00 -3.2935e+00 -5.6965e+00 -4.8524e+00 -5.6988e+00 -1.6873e+00
 -1.8422e+00  6.2645e+00 -6.3174e+00  1.2012e+00 -1.8615e-02 -7.9217e+00
 -1.3949e+00  8.3972e+00  1.0091e+00  7.6192e+00 -2.0991e+00  6.6297e+00
 -5.7672e-01  3.1135e-01 -8.6338e-01 -1.0488e+00 -1.2367e+01 -2.1083e+00
 -4.1523e+00  1.4876e+00 -6.7508e+00 -5.7602e+00 -6.5648e+00  1.6035e+00
 -3.9265e+00  8.6099e+00 -9.2774e+00 -6.2257e+00  6.8580e-01 -7.8229e+00
  3.4366e+00 -1.5896e+01 -5.6139e+00  9.4640e+00 -5.1175e+00  2.8828e+00
  2.1975e-01  1.4633e+00  1.0594e+00  3.2202e+00  4.7848e+00 -8.2288e+00
  1.8137e+01 -2.3965e+00 -9.9787e+00  9.0013e+00 -1.1383e+00  5.3617e-01
  1.2522e+01  5.0874e+00  2.6538e+00  5.8051e+00  4.1010e+00  7.2983e+00
 -4.1593e+00  2.1391e+00 -8.6043e-01 -8.7323e-01 -4.9098e+00  2.8241e+00
 -6.9739e+00  3.3624e+00 -1.6779e+01 -5.9505e+00 -2.3636e+00  6.1422e+00
  4.6677e+00  9.1870e+00  1.9519e+01  1.3338e+01  7.5811e+00  7.8355e+00
  1.8013e+00  1.3866e+01 -3.7217e+00 -9.5668e+00 -8.0528e+00 -9.1988e+00
 -9.8586e+00  2.6363e+00 -1.7681e+00  1.2248e+00 -1.1669e+01  4.2965e+00
 -1.1702e+00  6.1215e+00 -5.5397e+00  7.6777e+00  1.2060e+01  1.8072e+00
 -1.1351e+01  7.2805e+00  5.0560e+00  1.3576e+00  8.7064e+00 -2.3739e+00
 -1.2883e+00  4.0938e+00 -4.4741e-01  1.7389e+01 -8.9762e-01  4.2695e+00
  7.2372e+00 -2.3230e+00 -4.6489e+00 -8.8980e-01  2.9095e+00 -2.9112e+00
  5.2218e+00  9.0681e-01  9.1231e+00 -2.9529e+00  3.4209e+00 -2.6678e+00
  1.2956e+01 -6.4667e+00 -1.7353e+00  4.7200e+00  5.3350e+00  1.8346e+00
  2.4448e+00 -4.4355e+00 -2.9596e-01  2.2084e+00 -6.9407e+00 -2.2075e+00
  1.1303e+00  8.2944e-01  4.0794e+00 -2.8201e+00 -7.0784e-01 -1.6303e+00
 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
navigating [ 2.1546   -1.07     -0.22636  -0.59386   0.14382  -0.51024  -0.52107
  2.6001   -3.8169    2.3153    5.3692    1.8523   -2.3518    3.584
  4.8325    2.1179    4.8947    0.22919   1.3549   -1.4177    1.0984
```

```
 -0.62751   0.063273 -0.55655  -0.86304  -2.8771   -1.5913   -3.1602
 -0.50291   0.73771   1.4467   -0.67565  -2.4236   -3.5162    1.2267
 -0.67437  -1.2537    1.5919    1.4981   -1.6565    3.1572   -0.67807
 -0.54513   0.15911  -2.7755    0.43484   0.39542  -2.3475    1.5701
  0.79623   2.8072    2.0605    0.66351  -4.3464   -1.7942    1.132
 -1.9778    2.6132   -0.10597  -1.0556    1.9779    1.4616    0.39299
 -1.8997    0.33722   3.5473   -3.9419   -0.21954  -0.43105   1.6597
 -0.71836   0.26157  -1.87      0.92545  -0.76853  -0.12801  -0.65985
 -0.24909  -1.4287   -0.078212 -3.3114   -1.372     1.2489    2.9533
  1.4141    0.36321   1.0627   -2.8195   -2.0686    1.5961    0.38256
  1.0633   -1.9507   -0.024171 -3.4173   -0.40447  -1.6068    1.3633
  0.69524   0.138     2.9978    1.6263    3.395     3.9546    0.036911
  6.7952    1.4133   -1.6246   -1.4934   -3.2341    2.8306   -1.668
 -4.7151    1.3757    1.1721    4.8226   -0.75889   0.69265  -1.4081
 -1.1508   -5.6198   -1.8688    1.2218   -0.36539  -0.67316  -4.6594
 -0.031385 -4.2117    3.2846   -0.21907  -2.6828    1.8001    2.7208
  0.096697  0.059676 -0.24983  -3.0656   -0.98562   3.356    -1.3399
 -0.97722  -0.78834  -4.2974    5.1094    0.51165   0.061941 -5.3958
 -1.5382    0.79928   1.1479    0.79521   0.95704   0.18224   3.512
 -0.74411  -2.6036    2.9764    0.5589    1.6121   -4.8266   -1.5576
 -3.4294   -0.08486   1.8258   -4.467    -1.5973   -2.2119   -1.7982
  0.67169  -0.46755   0.43758   2.0304    2.4685   -2.4256   -0.68015
  0.18764   2.0045    0.91969  -2.7746   -2.929    -0.070199  1.5371
  0.69447  -0.58451   0.38507   2.1904   -4.1435   -0.26375  -2.9708
  0.45594  -1.2301   -2.8463   -0.41535  -2.1785   -0.010038 -0.5038
 -4.7294   -0.95901   1.5424   -1.398     0.42301  -0.13448  -0.22287
 -4.4585    3.4442    2.3605   -6.3676    2.3581    3.9331    1.1666
  1.3385   -0.77702  -1.7365   -0.052454 -4.2862    0.74278   3.3465
 -4.2403    0.97773   1.3688   -1.8949    3.2227   -2.1522    2.022
  0.21274  -1.6734    3.1726   -1.4299    1.6799   -1.1533    3.6329
 -2.9441    1.6329    0.63099   1.2889    1.0204    0.33049   0.40435
 -0.87018   0.18527  -2.4292    1.1054   -0.29828   0.51397   0.67363
 -0.088008 -6.5348   -1.7776   -1.0694    1.9069    0.11457  -1.8653
 -3.9157   -0.79068   0.12748  -2.5068    1.2494   -1.532    -1.2035
  0.90157   0.69362   6.5557    3.2416    3.3385    0.76511  -1.7861
 -2.3396    1.2007   -0.11092  -2.1376    1.719    -2.9304    0.29212
 -2.479    -0.067009 -0.53454   1.952    -4.5226    0.45162  -0.70289
  3.2174    4.5602   -0.16436  -1.0289   -0.76898   0.10799  -0.43224
  2.4426   -2.8484    0.041016 -3.117    -0.36375  -0.95449   0.36781
  0.87486  -0.12769   0.14417  -3.0936    0.027286 -0.28664 ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
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 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
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  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
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  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
  8.8706e-01 -4.8168e+00 -7.4616e-01 -7.8736e-02 -7.9536e-01 -6.0894e+00
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  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
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  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
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  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
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  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
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  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
onslaught [-1.4623   -0.29319  -3.9826    0.77044   1.7873    1.424     3.8458
  1.0843    1.121    -0.60666  -1.0309   -0.59892  -0.18425   2.7459
  2.0084   -1.509     2.0763   -3.0355   -1.6991   -2.2041   -1.4358
  2.5594    1.2761    0.47936  -0.51807   1.1824   -0.95945   1.4348
  0.57464  -1.3583    3.7286    0.202     0.48483  -1.5855   -1.1926
 -3.9912    1.4736    2.2185   -1.1147    1.7627   -3.696    -0.072649
  1.4504    1.2287   -2.8432   -1.0044   -1.8551   -2.6397   -0.7235
  0.79612  -2.0491    3.2245    1.5235   -4.4129   -2.3903   -1.2739
 -1.9085   -3.207     3.1702    1.5826   -4.4684   -0.17595   2.4652
  0.065318  3.6783    1.0917   -2.599    -2.0213    2.2861   -0.24882
  3.3104   -0.64646  -2.022     0.83908  -0.78628   0.58217  -2.2816
  4.0566   -0.035729 -0.58147  -2.7027   -0.099855 -1.063     1.6446
  1.6461   -0.096754 -0.23344  -2.0472   -3.1939   -1.4858   -0.11012
 -0.7943    1.3907   -2.7892    0.78736  -0.97226   0.50073  -0.44688
 -0.16352  -0.3007    3.1422   -1.1428    1.8154   -0.051608 -4.2176
  0.41984  -1.3456    0.84616   0.73547  -2.9896   -2.2896    0.55576
  0.58455  -1.5615    3.9932    1.5516   -2.4104   -0.95213   0.63597
 -1.4528   -0.85287  -1.0316   -1.2639    0.8061   -1.5986   -0.16487
  1.8112   -0.036933  0.63624   2.7902   -2.3805   -1.0714   -1.1858
 -0.88088  -0.43679   0.28889  -1.6813   -0.82585   1.8155   -2.9417
 -2.0359   -2.3742   -3.8522    0.57026   1.6124    2.3564   -3.3296
  0.65288   1.0244   -0.85932   2.3383   -0.26044   1.1816    1.0408
 -1.9808    1.2227    1.9472   -1.0694   -2.0699   -2.2917    1.3839
 -3.0801   -1.2004    1.493    -1.7299   -1.2453   -2.0667    2.4063
  0.80937   3.1283    0.87037   1.2554   -0.51931  -1.0576    3.228
 -1.2192    0.11187   0.84658  -2.0292   -0.98467   1.7322   -0.4183
  1.4421    0.38937   0.21844  -0.44178   1.1886    0.29931   1.6485
 -0.6889   -0.3459    1.5435   -0.93553   0.34504  -0.23613  -2.0004
 -1.0585    1.0019   -0.69556   0.21892  -0.055116  1.7476   -0.46995
  0.58362  -1.1651   -0.5234    2.5108    0.18228  -1.997     2.34
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 -0.016383  0.13474  -4.0958   -1.5429   -3.9506    0.93939   3.7752
 -1.7482    1.2979   -0.24933   1.3942    1.143    -1.0113   -1.8636
 -2.4672    0.72945   2.2214    2.0671    2.5474   -2.2593    1.051
 -0.83738   0.50893   0.42338   1.0623    0.96503  -0.98596  -1.0321
  0.15817  -2.6818    3.0808    3.7214    0.42738   3.2835   -1.9371
 -3.4694    1.1625    0.12882  -0.23949  -1.9824   -0.50414  -0.90945
  1.6212    1.2419   -0.46159   1.0768   -2.4643    0.91332  -0.63383
 -1.488    -2.3158   -2.4501    1.9191    0.96267  -0.96676  -2.4254
 -0.27013  -0.044018  1.2742   -1.6268   -1.7867    1.7621    4.7264
 -5.6322   -2.111     0.15014   0.8166    2.8898   -0.41849  -1.9421
  0.81018  -2.0012   -0.83847   2.1878    0.69738   1.201    -1.6081
 -2.091    -2.0099   -0.76524   1.4477   -2.0612   -0.5575  ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
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    8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
    7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
   -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
threats [ 0.72048  -2.4855   -1.7256    3.141    10.267     6.5751    1.6978
   4.6851   -2.6867    0.021905  2.3452    1.4346   -3.483    -0.052946
  -1.736     0.78999   2.5677   -1.2878   -1.092    -0.68898   2.1009
  -0.099906 -0.89041  -2.7093   -2.3009   -2.1701   -0.93751  -2.9188
   0.075586 -3.6377    1.6603   -1.3806    0.19049   0.47039   1.3496
  -3.1474   -0.1599    2.9446    3.0448   -0.2528    0.026889  0.11846
   0.90754  -0.44478  -5.862     0.60558   0.81758  -4.6965    1.6737
   2.8272    0.36219  -1.2284    4.3934   -5.8383   -2.7327    2.9018
  -0.5805    1.2784    3.9408    1.2442    2.4084    3.4889   -3.0968
  -3.8691    1.2461    2.1422   -4.3311   -3.0815    1.9284    1.5749
   2.4459    0.42361  -4.0279    2.2591   -6.3841    0.24232  -2.1825
   2.2392   -1.8735   -3.2226   -3.0956   -6.9762    1.5617    7.0871
   0.37559  -0.042549 -5.3188   -6.1745    0.98058   4.4118   -0.53297
  -1.5633    3.4949   -1.4982    2.9081   -1.222     2.0038    1.9802
   1.1069    1.7393    1.698     2.7566    3.6822    1.5757   -1.4501
   3.515     0.42248  -4.3712   -2.8958   -7.486     0.065036  4.5288
  -1.3944   -0.99827   3.4674    0.49244   1.068     2.279     4.9
   0.907     0.62106  -2.8904    0.82116  -5.6668   -4.9286   -3.8337
   4.7945    3.2194    0.59733  -0.54943  -2.7724   -2.7434    2.4666
  -0.94867   0.51725  -4.5928   -3.6598    1.1457    2.5894   -2.3201
  -1.9203   -2.419    -1.5515    0.075952  0.62597  -1.3731   -6.5433
   1.0087    1.3169    1.1732   -0.038465  1.6914    1.1234    3.8435
  -1.4556    0.046233  5.4005   -2.2453   -1.3555   -0.30776   2.1961
  -4.4042   -1.675     0.38897  -4.2658   -5.4633   -2.2723    4.2374
  -1.9777    1.4821   -5.6525    0.98332   4.4277   -2.5263    0.69904
  -0.75821   0.13021   2.8606    3.7754   -5.0949   -2.7336   -0.92614
   1.0281   -0.18991   2.877     3.2743   -0.95943   0.87024  -0.63292
  -0.72636   0.16638  -1.7803    2.5167   -1.1165   -1.9145    0.90571
  -3.672     1.0634   -5.0959    1.5685   -5.7112   -1.2977   -1.3991
  -4.7174    2.8646    0.20441   3.3271    1.3261   -4.1407   -1.3815
   0.75092   2.3637   -4.1833   -2.4073    2.287     5.2816    4.1794
  -2.5306   -1.0572   -3.6896    3.2012    1.4704    1.0312    0.5654
  -0.043352  2.2467   -0.45598  -0.067487 -0.72051   0.59056   1.8087
  -1.881    -3.6247    3.3849    0.50419   1.4571   -2.9444    1.9384
   2.6271   -1.7102   -4.0953   -0.36049   6.9273   -0.37513  -1.9483
   3.5985   -3.7328   -0.88444  -0.64952   4.5542    0.38039  -4.8744
  -3.7692   -2.2635    2.1513   -0.64654   0.33408  -3.611    -4.3343
   4.53     -2.7769    3.519     3.8386   -2.1521    1.8664   -1.3397
   0.97382  -1.7927   -4.6513    4.5504    0.098499  0.18895  -1.7535
   1.1174    3.6812    0.78491  -0.22128  -2.6827   -1.4096    3.7259
  -1.8354   -3.2804   -1.2919   -0.87769   2.2986    1.1889   -0.55792
  -2.1019   -1.4761   -1.4013    4.4075   -4.3732   -0.59594  -3.7537
  -0.82271   1.0045    3.7137    0.4499   -0.34644   1.98    ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
   2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
   2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
  -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
   2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
   1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
  -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
  -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
  -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
  -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
  -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
  -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
   6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
   2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
```

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 3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
 1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
-0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
-3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
 6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
-4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
 0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
-4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
In [ -9.3107   -10.897      1.0395    -6.147      3.0027    -3.7719
  -4.9281    -1.8457     8.6463   -11.859     -4.7917     5.0735
   3.5437    13.204      8.4656     5.0619   -15.652      5.1383
   3.5916     6.0465     1.1189    12.985     -8.6687    12.612
  -2.641     10.121      0.39984   21.943     -7.1997    22.55
   5.5344    -9.3152    -4.3783    10.343    -14.621     10.841
  -9.726     -8.0418    -6.1296   -13.012      2.77       0.11183
   9.7102     1.9982     4.1676    -3.5832   -18.747     -0.69161
   8.0769     1.9082   -13.114     -8.8605    11.955    -13.986
  -0.4449     5.8612   -16.962    -15.033      1.3662    -6.8594
 -25.573    -13.739      4.5109     8.0529     9.3873     8.3386
   1.0285    -1.8581    11.994     -7.3354    -3.6071    -5.2718
  -1.4276     3.3268     9.0761    20.73       8.1254    18.96
 -18.084     -6.1956    -0.61079   12.176      0.32401   -5.5877
  10.363     -6.9637   -12.937     -5.8875    -3.5983    -9.3265
  -6.5665     9.8179    19.496      4.6394     9.5294    -4.6943
   3.3519    -0.27832    2.8346    12.896      6.3774    16.393
  11.563      4.644      2.7354     2.6262    22.691     -8.2085
  12.571    -16.333      6.6228    19.118      0.46222   16.899
  12.679     -9.7011     5.4085    12.684     -6.8861    -2.7888
  12.666     -3.2599    12.966      6.1128     6.5263     3.0737
 -18.995     -8.9688    -5.7765    -7.4353    -1.0474     0.071799
  -9.877      4.8857    11.256     -5.1186     0.84518   -0.2571
  -6.0098    -0.33897    1.0137    -5.1211    -1.3018     0.7033
  -4.3742     2.552     10.325    -10.757      4.887     10.165
   8.4172    -1.0115    -3.1602     4.0468   -13.593      3.6197
 -21.054     -3.271     13.788    -12.658     -5.0749    -4.1856
  -1.8483    -6.8245    -1.6076     2.0793    -0.91392   -5.6707
   0.42951    3.9196     4.4339    20.801      3.3936    10.975
   3.8632     4.5998    -4.6851     4.0483   -17.115      2.3622
  -0.73572   -5.8022     2.0366    -5.1293     9.4551    -3.8976
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  -4.8944     8.9465   -10.929     -5.3407    -1.9328    -9.4883
  -5.6177   -17.405     -2.4408    25.19       7.2426     4.2612
  -6.085      7.66     -10.025     12.96       9.7474   -10.037
  24.744      4.4441   -16.918     11.754     -0.45059    6.1232
   1.3265    12.419      2.1188     1.8218    12.879      6.5453
  -0.42453   25.002     17.563     -0.14043  -15.067     -1.1114
  -2.1894    16.527    -23.011      2.0253     2.2186     6.0487
  -6.6214     6.2299    22.433     24.187      6.37      -6.8428
   4.1937    16.245     -4.7779   -16.541      0.073775 -10.124
   1.7248    -3.8801    -4.3324     5.3088    -1.4981    15.888
  10.451      8.9535    -9.2363     2.4234    13.911     -1.634
  -4.902     -3.0526    10.815      0.27267    4.3025    -1.6753
   9.8411    -1.3052   -12.104      4.6948   -10.009      9.7162
   5.0286     4.6856    -7.5845   -10.19       1.446     -8.8091
   0.75775   11.749      2.95      -4.2699     2.5584    -2.1905
  19.034     -3.6211    -1.5668    -1.546      9.2935     1.2198
   4.3736   -14.831     16.94      -0.54843   -1.6965    -6.2911
   0.13513   -2.4269    12.05     -14.196     -2.4277     8.3243
   3.2541    13.029     18.834      1.5233     6.7447   -15.829   ]
our [ 4.2188e+00  2.4189e+00 -7.6222e+00 -1.9715e+00  1.0860e+01  1.7074e-01
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  8.4221e+00  1.8391e+00  1.9205e+00 -5.9747e+00  1.1202e+00  2.7624e+00
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 -2.2362e+00 -3.9215e+00  1.0349e+00  6.5642e+00 -9.2096e-03  1.9206e-01
 -4.7614e+00  4.9714e-01  2.7267e+00  5.9059e+00 -2.9203e+00  1.0952e+00
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 -2.0232e+00 -5.6209e+00 -3.0094e+00 -3.8138e-01  1.2572e+00 -1.1656e+00
  3.2346e+00 -3.4925e+00 -5.9333e+00 -5.4771e+00 -1.2307e+01  1.8042e+00]
exclusive [-1.8341e+00 -1.4980e+00 -1.0976e+00  6.4059e-01  4.0116e+00  6.4634e-01
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  1.7695e+00 -1.5104e-01 -1.3666e+00 -6.4842e-01  2.5763e+00  3.4743e+00
  7.2211e-01 -3.9131e+00 -2.1238e+00 -2.0456e+00 -1.1985e-01  1.3037e+00
 -1.7098e+00 -1.1805e-01 -5.2306e+00 -1.4160e+00  2.0423e-01  2.6545e+00
  1.3029e+00 -1.6068e-01  2.1262e+00 -2.4785e+00 -1.3269e+00 -3.0966e-01
  2.5253e+00  1.6692e+00 -3.0468e-01  2.9047e+00  2.0727e-02  3.1927e+00
 -1.7833e+00 -4.4999e+00 -1.7877e-01  4.0734e-01  7.8187e-02 -9.7446e-03
  9.5354e-01 -4.4807e+00 -1.6285e+00  1.2241e+00  1.0751e+00 -4.8673e+00
 -2.3599e+00 -1.3489e+00  1.1406e+00 -1.7670e+00  2.0312e+00  1.1199e-01
  1.1252e+00  8.5157e-01 -1.3386e+00 -4.2143e-02 -8.5723e-01  1.2300e+00
  2.3130e+00  4.9611e-01 -3.6208e-01 -2.1709e-01 -2.5744e+00 -4.6798e+00
  7.1490e-01 -4.0841e-01  2.8964e-01 -1.7522e+00  5.2211e-01 -1.8776e+00
  2.0281e+00  1.1983e+00 -2.1766e+00 -7.7837e-01  5.2391e+00  1.4589e+00
 -2.6533e-01 -2.5006e-01  1.5777e+00  1.0387e+00  1.9962e+00  1.8700e+00
 -1.2310e-01  1.3171e+00 -2.9063e+00 -3.4206e-02  2.1270e-01 -1.5009e+00
 -5.1250e-01 -7.9925e-02 -1.0319e+00 -2.6272e+00 -1.3819e+00 -2.1098e+00]
ebook [-7.4011e-01 -2.2924e+00  8.3085e-01 -2.5818e+00  1.3882e+00 -1.6386e+00
```

```
  2.2479e+00  8.3333e-01 -1.7506e+00  1.3433e-01  3.8184e+00 -1.3558e-01
 -6.7837e+00  3.6324e+00  4.9271e-01  1.0815e-01  7.0483e+00  7.7813e-01
 -5.5782e-01 -3.1226e-01 -4.1163e+00  1.7357e+00 -3.2948e+00 -7.8280e-01
 -5.7563e+00  4.0178e-01 -2.3509e-01 -3.5129e+00 -1.4049e+00  3.1610e+00
  5.1551e-01  1.0152e+00  1.0674e+00 -1.2658e-01  2.2733e+00 -1.6742e+00
  4.4976e+00  1.1876e+00 -1.5051e-01  7.1515e-01 -1.1491e+00  2.8380e+00
 -3.4943e+00  3.2114e+00  3.4403e+00  3.9280e+00  4.4236e+00 -3.2334e+00
  1.4184e+00 -4.7083e+00 -7.6114e-01 -1.0434e+00  1.0891e+00 -3.3167e+00
 -5.9597e+00  3.6692e+00 -3.3701e+00  4.9354e+00  2.3471e+00 -1.4494e+00
  4.6021e+00  5.8022e+00 -3.0826e+00  2.8588e+00  6.7425e-01  2.4412e+00
 -2.4295e+00 -5.0850e+00  3.4096e-01  2.4887e+00 -1.3736e+00  6.7643e-01
 -1.8831e+00 -1.2751e+00  2.4835e-01  2.3227e+00 -5.7028e-01  1.4138e+00
 -1.3529e+00  3.3856e+00  2.9504e-01  6.6536e-01  8.3211e-01  2.9251e+00
  1.0944e+00  1.7153e+00  3.5094e+00 -1.0514e+00  1.6573e+00 -6.5998e-01
 -4.8834e-01  1.5377e+00  2.4882e+00 -1.0797e+00 -2.8384e-01 -3.9674e-01
 -5.4879e+00  1.7239e+00  5.1541e-01 -6.7168e-01  4.0992e-02  2.8547e+00
 -7.8919e-01 -7.1492e-02 -5.0936e-01 -8.6448e-01 -1.0496e+00 -3.4927e+00
  3.7687e+00 -1.4056e+00  5.8904e+00 -2.2039e+00  6.6666e-01  1.2515e+00
  1.4132e+00  5.0304e-01 -2.2650e+00 -5.6386e-01 -1.4599e+00 -3.3057e+00
 -5.7107e+00 -1.7636e+00  4.2228e+00  4.4388e+00  5.0992e+00 -3.1689e-02
 -6.3059e-01 -3.0379e+00 -2.4443e+00 -7.3192e-01 -3.1594e+00  1.6899e+00
 -1.8858e+00 -4.0658e+00 -1.2850e+00  1.7705e-01 -2.0648e+00 -1.6885e+00
  2.1183e+00 -1.7733e-01 -1.6177e-01  6.4415e-01 -1.7084e+00  1.3629e-01
  1.2067e+00  9.0013e-01 -8.7149e-02  1.2700e+00 -1.7701e+00  2.9462e+00
  1.8771e+00  1.9543e+00  1.2189e+00  5.1149e-01 -2.1541e+00 -1.3971e+00
  4.9141e+00  2.1721e+00  5.8050e-01 -2.7908e+00 -1.4235e+00  1.1351e+00
 -1.2933e+00  9.6702e-01 -5.2284e+00 -1.8698e+00 -3.1407e+00  1.7704e+00
  7.2090e-01 -4.4712e+00  1.9465e-01  2.0656e+00  8.4052e-01  3.5068e+00
  3.8026e+00  1.2297e+00  8.2850e-01  4.8173e+00 -1.4568e+00 -4.8367e+00
  2.7046e+00  3.2321e+00 -2.0347e-02 -6.4991e+00  4.8966e+00 -7.9885e-01
 -2.5099e+00 -1.8227e+00  1.6752e+00 -1.3353e+00 -4.1324e+00 -4.4457e-01
 -3.0445e+00  3.7604e-01  1.0601e+00 -1.3863e+00 -8.5093e-01  1.0800e+00
  1.3718e+00  3.0360e+00 -2.8822e+00  1.7182e-01 -6.1283e+00 -1.1901e+00
  3.0033e+00 -9.9409e-02  3.0339e-01  2.7252e+00  2.0986e+00 -5.9876e+00
  1.8063e+00  4.3828e-01 -2.3934e-01  7.9634e-02  1.4129e+00  3.8679e+00
 -3.0094e+00 -4.2533e+00  1.1588e+00 -3.4611e-01  2.4737e-01  1.4454e+00
 -1.1428e+00  1.5390e+00 -1.7567e+00  1.1071e+00  2.7774e+00  7.4417e-01
  1.2587e+00 -4.2602e-01  3.2538e+00 -1.5673e+00  1.1865e+00 -9.0060e-01
  1.5760e-01  4.8637e+00  5.4402e+00  3.1528e+00 -1.6770e+00  3.6517e+00
 -2.9389e+00 -4.9571e+00  1.2333e+00  2.4944e+00  3.8054e+00 -1.2087e+00
 -4.0196e+00 -1.0201e+00  1.4422e+00  2.6777e-01  6.4298e-01 -2.5765e+00
 -3.1922e+00 -5.9426e+00 -1.8704e+00 -2.1875e+00  6.2879e-01 -3.9628e+00
  3.0822e-01  1.8954e+00  5.8271e-01 -1.7050e+00  2.7085e+00  2.1726e+00
  1.9453e-03  1.9741e+00 -1.2968e+00  1.7118e+00 -3.8764e+00  8.7882e-01
 -3.6536e-02 -7.9123e+00  1.0631e+00 -1.7999e+00  1.4641e+00 -2.2702e+00
 -4.9012e-02 -1.4529e+00 -3.5943e-01  3.8619e+00  2.9369e+00 -3.1378e-01
 -5.5511e-01 -9.7356e-01 -2.7660e-01 -3.4337e-01  4.4993e+00  2.6579e+00
 -1.1489e+00 -5.8586e-01  1.9609e+00 -5.7076e+00  3.1354e+00 -1.2384e+00
  7.1754e-01  2.3922e+00  2.1774e+00 -3.1783e+00 -5.0925e+00  4.3940e-01]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
```

```
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
CISOs [ 1.0056e+00 -1.4462e+00  4.5743e-01  2.2845e+00  3.4276e+00  3.0868e-01
 -1.4345e+01  2.4749e+00 -1.5306e+00 -1.4283e+00  6.4146e+00 -1.5703e+00
 -4.3396e-01 -3.5114e+00 -1.6892e+01 -2.2759e+00  1.0989e+01 -2.5591e+00
 -7.4857e+00  7.9633e+00 -3.9626e+00 -6.3066e+00 -6.7732e-01  2.5732e-01
 -2.2251e+00 -1.3989e+00 -1.1040e+00  2.9346e+00  4.2425e+00 -4.4278e+00
  2.8388e+00 -4.7426e+00 -3.9908e+00  3.6751e+00  5.0677e+00 -4.5031e+00
 -6.5622e-01  2.9478e+00  8.8194e+00  7.5812e+00 -1.0463e+00  7.1712e+00
 -1.2386e+01 -1.1003e+01 -1.1100e+01  1.6836e+00  2.6254e+00 -7.8329e+00
 -4.8545e+00 -1.8926e+00  3.9699e+00  1.2100e+00 -6.9088e-01  4.1777e+00
 -1.2597e+00  4.4008e+00 -1.0925e+01  5.8672e+00 -1.1508e+01 -1.1909e+00
  8.1640e+00  1.0513e+01 -8.4004e+00  2.1612e+00 -3.5674e+00  6.6632e+00
  2.7938e+00 -1.1525e+01 -1.7409e+00  7.9903e+00  4.1911e+00 -6.8704e+00
  1.2526e+01 -1.2971e-01  2.8872e-01 -5.2500e+00  6.4194e-01 -7.6686e+00
  7.4942e+00  6.8583e+00 -1.4914e+00  3.0415e+00 -1.2814e+01  6.2288e+00
 -5.6871e+00  4.3061e+00 -1.5082e+00  1.5549e+00 -1.0773e+00  5.4054e-01
 -6.8403e+00  3.8229e+00 -6.9909e-01  5.3889e+00 -1.5150e-02  8.3928e+00
 -5.0016e+00 -3.1459e+00  8.1889e+00  5.4459e+00  1.0771e+01  8.2743e+00
 -3.3918e+00  1.4814e+00  8.0909e+00  9.5518e+00 -1.4214e-01 -6.0966e-01
 -3.6382e+00 -1.9152e+00  4.8598e+00 -4.1231e+00  3.2195e-02  7.0234e+00
  4.7767e+00  2.0873e+00 -1.4823e+01  3.0876e+00  7.9135e-01 -6.2592e+00
 -3.0322e+00 -9.3990e-01  1.3073e+01 -1.5811e+00  4.3579e+00  1.4074e+00
```

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  3.3460e+00 -8.1772e+00  7.2404e+00 -8.5725e+00 -1.3086e+01 -5.5295e+00
  4.2876e+00  2.2748e+00 -4.6175e+00 -2.5605e+00  5.8868e+00  3.3691e+00
  7.8407e+00  9.6735e+00 -3.4983e+00 -1.4488e+00 -2.8941e+00  1.5266e+00
 -6.7382e+00 -3.2936e+00 -7.7779e-01  4.8042e+00 -1.2541e+00 -4.4058e+00
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 -6.6485e-01  1.4617e+01  5.2980e+00 -7.8071e+00 -4.7879e+00  1.0932e+00
 -4.8718e+00  8.0606e+00 -4.4401e+00  9.6703e-01 -5.9671e+00 -4.9045e+00
 -1.6590e+00  6.6388e-02 -1.4212e+00 -6.9436e+00  4.0670e+00  5.9369e+00
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 -6.7335e+00  5.7924e+00  5.1977e+00  7.1778e+00 -4.6159e+00 -4.3853e+00
  3.3126e-01 -3.1788e+00 -2.8185e+00  3.7697e+00  5.2539e+00  4.8432e+00
 -1.4525e+00 -2.5409e+00  1.1913e+00  3.5261e+00 -1.3969e+00  2.2333e+00
  2.1232e+00  3.4176e+00  8.5150e-01 -1.6868e+00  8.0300e-01  8.7254e+00
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 -1.2971e+00 -2.0932e+00 -5.5568e+00  5.1477e+00  8.1867e+00  3.6775e+00
  2.2777e+00 -5.3522e+00  5.9773e+00  2.9362e+00 -9.9313e+00  8.0698e+00
 -1.1802e+01  3.8509e-01  1.1403e+01 -3.2202e-01 -5.8677e-01 -1.1181e+01
  9.1716e-01 -1.8115e+00 -2.4278e+00  9.7628e+00  6.0006e+00  5.0910e+00
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 -7.6261e-01 -1.0924e+01 -3.1809e+00  4.1736e+00  2.8310e-01  7.0878e-01
  2.2897e+00 -6.9273e+00  1.6047e+00  5.1543e+00  9.4703e+00  3.5968e+00
  1.6510e+00  8.1432e-01  2.2180e+00  3.0540e-01  3.1726e+00  2.0485e+00
  4.7395e+00  7.7910e+00  3.4759e-01 -3.2033e+00 -2.5726e-01  1.2797e+01
 -1.2110e+00 -2.0130e+00  3.0412e+00  1.0702e+01  5.3576e+00 -8.2432e-01
 -3.2530e-01  2.0194e+00 -4.2711e+00 -1.0429e+01  7.2838e+00 -1.5946e+01
 -1.6599e+00 -2.8217e+00 -1.1658e+01  7.1066e-01  7.5599e-01 -4.4777e+00
  1.5071e+00 -1.0581e+01  1.0776e+01 -2.7437e+00  4.9835e+00  1.0725e+01
 -6.9773e+00 -1.6846e+01 -9.1269e+00  3.8308e+00 -7.6991e+00 -2.1279e+00
  3.6912e+00  2.4098e+00 -5.2289e+00 -8.2208e+00  2.6820e+00  1.2330e+01]
from [ 0.45435   -6.0338    -1.8677    -1.8194     8.5512    -0.066354
  1.1344     6.1554     1.8423    -3.7488     4.1551    -2.0752
 -6.7001     6.8146     0.75662    5.0076     1.4678     3.4866
 -0.6737    -5.9844    -3.8209     0.9157    -0.30408   -1.7836
  2.7465    -0.051137  -3.7787    -0.49766   -2.6815     2.9997
  0.98826   -2.9207    -0.86842    0.38161   -3.6931    -4.518
 -2.8422     2.5726    -0.92872   -4.5026    -5.0273    -3.9558
 -6.0478     0.41429   -3.2481     0.32927   -4.0945     0.45288
  0.16902   -0.18958   -1.2065     0.48687   -7.7143    -8.6508
  0.29102   -1.9913     0.51322   -2.2218    -0.94501    1.7085
 -7.4646    -1.4759     2.9785     1.9929     6.1194     5.7424
  3.1345     2.995      1.142     -1.0094    -0.2874    -3.6443
 -4.1093    -1.0863     2.3179    -4.4463    -4.7228     3.24
 -4.1546    -2.8496    -3.8291    -0.18533    3.4827    -1.0415
  9.2828    -1.5115    -2.6162    -2.6694     1.967     -0.40506
 -0.71038    6.9597     1.666      4.1158     3.8476     3.4865
 -1.0254    -0.2148     1.0231     1.002      5.9324     5.1235
  0.48297    3.2595     0.59549    1.917     -1.1959    -5.2065
 -2.267     -5.3119     4.9902     1.9982     0.066939  -3.1749
 -1.1902    -1.2872     1.7977    -0.29575    2.9642    -5.847
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  6.0223    -4.0874    -0.25729   -1.8343    -0.83329    3.0527
 -0.78573   -1.287     -3.0321    -1.9253    -4.5471    -1.4212
  1.5144     1.7483    -4.0746    -0.93057    4.1949    -0.23938
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  4.0882     2.6979     1.4979    -0.14437   -0.92788   -4.3756
 -0.11451    4.3656     0.45858    1.0107    -8.2391     2.7853
 -1.6293     3.918     -6.4718    -1.3683     2.5064    -1.9168
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  0.72216   -7.4817     0.57392    3.6762    -3.5326     0.0099544
  0.22811    1.7978    -6.3721    -5.9739    -0.46848   -3.4785
  4.7141     1.5309    -7.1158     5.5769    -0.221      1.4678
 -1.6857     6.0699     3.337      0.87578    1.7247     6.0363
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  0.95726    0.27505    6.7149     1.1488    -0.63757    1.1138
  2.7879     1.9231     0.35985    0.76135   -4.7289    -2.8867
 -3.0123     0.68436    5.7467     0.3088    -3.7261     3.3003
 -2.4724    -0.31786   -2.3727    -0.044507  -1.0374    -8.2323
 -5.9621     2.182      1.1327    -2.5142     7.4382     2.8616
  0.11374    1.5995    -0.98251    6.5535    -1.2715    -5.2879
  6.6152    -3.6179     0.5123     2.7378     1.1277    -0.5008
  3.2373    -1.1137     1.6336     3.2062     5.5827     1.5379
  2.8842    -1.0385    -1.5066     1.4072     5.8274    -3.1247
 -1.9541    -0.91968   -3.6556     0.18817   -3.6208     2.3691
  0.19245   -0.16533   -1.9995     3.4293     1.6196     0.75934
  4.7336     4.2969     0.18202   -4.7362     0.74054   -0.2152   ]
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  1.1131e-02  1.7635e+00  1.5611e+00  1.5830e+00 -6.1786e+00 -1.4780e+00
 -1.1993e+00 -1.0371e+00 -7.3042e-01  3.7247e-01  2.4174e+00 -1.7880e+00
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 -1.9475e+00  2.5163e+00 -9.1195e-01  6.4852e+00 -5.1505e+00 -5.2747e+00
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
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  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
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  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
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   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
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   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
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 3.2608   -3.6936    2.3146   -0.54853  -1.1372   -5.6151   -2.4245
-1.5874    0.37572  -1.5377    0.025725 -0.13439  -6.1091    4.8109
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 4.987     0.47966  -1.5403    2.0358   -2.5448    0.814    -2.5049
-0.36599  -5.0083   -0.34055  -0.019064 -3.6561   -1.6945   -3.0718
 5.677     4.3604   -1.0241    3.2913   -4.3407   -2.7039    3.5656
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 0.76538   2.6398    0.81532  -0.86027  -6.8319    0.89767   5.1443
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 1.6866    1.1016   -5.282     1.072     3.0165   -4.6218    3.301
 1.2488    1.7874   -2.1891    0.74893   0.6572   -3.7895    5.7335
-6.0818    3.6189   -0.36695  -4.9328    2.3065    0.19558 ]
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  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
NGA [ 3.1224   -1.6951    1.423     4.374     1.8912   -2.8909   -2.7915
 -1.2337   -2.524    -1.4394   -1.0665   -1.6499   -0.26282  -1.4221
  1.851    -0.15794   2.7927    1.3748    2.425     6.6728    2.4107
  0.78734  -0.94877  -3.7821   -2.7751   -0.81173  -0.57502  -0.60321
 -0.094408 -2.1716   -3.5085    0.42459  -0.74932   5.4024   -1.2101
  1.1279   -5.3761   -2.7595    5.3656    3.6107    1.6649    3.156
 -1.5613   -1.5126   -1.8686   -6.547     4.6544    1.2681    2.9451
  2.5089    5.5911   -5.9815    2.7892   -3.9687    0.18256   3.5735
 -3.545     2.9169    0.55086   0.81166   1.1024    0.83028  -4.2154
 -0.26771  -1.3915   -4.3944    1.6316   -2.9421   -5.5713    4.617
  2.4163   -0.39508   3.6869    0.51982   2.1444   -2.1489    3.2116
  1.5207   -1.5202   -5.6037    0.74798  -1.047    -2.6799    6.1696
  2.9013   -1.0815   -6.3405   -0.77106   6.1292    0.5135   -1.0692
  3.0194    4.2558    4.4456    7.4534   -0.18991  -3.7005    3.5689
 -0.055573 -0.041312 -1.7152   -0.86278   1.1604    2.0881    0.61714
 -1.212    -1.104     2.8533   -0.55935  -1.699     8.8923   -5.1894
  1.4321    1.7616    1.929     0.62278  -1.6666    2.2201   -1.8631
 -3.5364    0.6323   -5.3638    3.3308   -4.3064    0.29432  -2.8675
  6.7616   -0.058911 -3.1414    0.71998   0.91363  -0.90857  -1.6308
 -3.9712    1.9774    2.8477    2.0988    2.7712    3.8955    2.0299
 -5.9046    2.8768   -1.235    -1.2126   -1.1214    0.7398    1.0069
  4.8112   -4.5686   -4.72     -5.9487    1.0315   -4.2371    1.8185
  0.14757  -0.95769  -0.66934   1.8031   -2.4781    3.4821   -0.12205
 -1.589    -2.166     2.3129   -0.21776   3.6545   -0.065789  3.7077
  3.5312   -3.9976   -4.3038   -3.3933    1.2833    1.128     1.5496
  0.81427  -1.2535   -2.5144    4.0533   -0.83948  -0.056528  3.8042
 -5.2988   -0.28554   4.5729   -3.8982    1.878    -0.573     0.71799
 -0.45691   3.4392   -2.0737   -3.1526    0.064273 -1.3937    8.0969
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 -5.3271   -3.0445    1.4941   -1.2593   -2.693     3.8876    2.7783
 -4.7014    3.4489    6.7307    3.548    -1.2951    1.2484   -0.10883
 -6.2016   -7.8173   -0.91244   3.3611    3.5194   -0.71117   3.3978
 -1.8752    1.6013   -2.8477    0.86191  -1.284     0.44929  -2.7436
 -1.3465    4.1256    4.5058   -1.1766   -1.0848    0.92973   0.48075
 -0.48092  -6.8059    2.6736   -1.6285    1.9443    1.1254    1.6699
  2.5012    4.2957    2.1697   -5.1503    6.0471   -0.5885   -7.5918
  3.491     1.3213   -5.0026    3.4781    2.3081    5.425    -6.1352
 -2.0737   -2.873    -3.8701    3.9341    5.1707   -3.8014   -2.5429
  0.85045  -4.4971    1.6086   -2.3625    1.3576   -8.3571   -1.9279
 -0.35443   3.643    -3.9768   -2.3616   -7.8518    0.25706  -4.5311
  0.98883  -0.21701  -0.2945    1.3339   -4.2002    0.20593  -0.55855
 -2.9875   -1.5283   -2.2444    0.70994  -0.54503  -0.28427   4.4207
  4.9382    1.0235   -0.81902   5.598     4.9802    4.3504    0.42361
  0.69247   0.10159   6.0904   -2.896     1.1097    3.5557  ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
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  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
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  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
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  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
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 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
Pacific [-2.8952   -4.0463    3.598     3.184     2.8448    1.3125   -2.8326
  1.0731   -0.88697  -0.019212  3.8152    0.27707  -0.47201  -0.23476
 -0.5381    0.8423   -0.51109   3.3262    0.55352  -2.803     1.2288
  2.4446   -2.683    -2.0576    5.2863    0.86266  -8.8719   -3.0687
  1.2837   -4.0645   -1.9935   -0.96978  -2.5071   -3.877    -2.2229
 -3.09     -0.052818 -1.9643   -0.37222   0.68127  -1.5951   -0.71262
 -0.18712   3.4687    2.2838    3.2047    1.213    -1.8743    6.6417
 -0.9081    0.089784  5.3191    2.2441   -0.042827 -0.51548   0.45045
 -2.9174    1.3719   -0.31388   0.94557  -2.0209   -1.9104   -1.4703
  5.6164    3.3458    1.813    -0.045043  4.2251    1.0375    0.084196
 -1.0908   -1.1511   -2.3153   -1.2852   -1.11     -0.63405   0.52946
  0.35207   0.094899  1.0306    0.59138  -1.9907   -3.9749   -0.71366
  1.1968   -2.2947   -1.8219   -5.7808   -1.1376   -0.27834   4.1198
  3.3963   -3.5245    1.3056    0.63784   0.33413   2.3757   -1.2102
  3.7487   -0.081569  3.0575   -2.4457    0.11795   2.57     -1.2557
  2.4692    3.0457   -0.56842  -2.2611   -4.1762    1.46     -0.22338
 -1.4101   -0.83406  -5.2478    0.78694   4.0034   -2.4553    2.4094
  1.0734    1.7656   -2.3409    3.5417    1.2526   -2.5056   -0.20061
  2.9705   -5.5964    2.832    -2.8674   -2.209     2.2645    2.8053
 -0.35214  -0.89038   1.6513   -0.67316   2.3679   -3.1103    2.6078
 -1.4338   -0.19468   0.11153   4.2309    3.3702    1.4978   -4.8723
  4.0864   -0.97322  -0.97294   1.5291   -2.7155   -0.14135  -0.34979
 -5.0879   -3.2264    1.2922   -1.8149    8.9038   -3.8503    2.7582
 -1.6193    2.8286    6.1738   -5.2883   -1.457     2.0742   -0.050011
  0.56345  -0.21117   0.90319  -1.8319   -2.27      3.6491   -3.9641
 -0.51045  -0.91062  -0.79768   0.24821  -2.0567   -0.81403   3.0024
 -1.3406    1.1167   -1.5213    5.9662    0.15114   2.2713    1.7977
  2.4012    2.0695   -4.0493   -1.5593   -3.4443    1.9403    2.1476
 -4.8313   -1.3568   -3.6781    1.5312    1.4404    1.2654    0.5377
 -0.6       7.2724    1.5916   -1.6643   -0.15414  -0.37542   1.3785
  1.2333    6.3567   -5.0675   -2.5637   -1.8425    1.0674    1.4033
 -3.0746    1.0139   -2.5764    1.3368    1.3576    0.053954  2.2301
 -4.4082   -1.5808   -1.1864    2.5509   -2.8431   -0.64812   3.6962
  1.7071   -0.66716   0.92096   3.5903   -1.5175   -2.5389    0.24476
 -0.69574   1.5739   -1.8866    0.81676   0.17975   1.3444    0.72399
  1.5686   -0.24741   3.737    -1.1181    2.7144   -1.4018   -3.5488
 -4.4126   -4.4575    2.0845   -2.8555    3.352    -2.4081   -1.6419
 -0.7054    0.79907   6.7849    6.9908    2.8797   -1.6615   -3.2957
 -1.859     0.67383   0.70583  -0.20674  -0.12396   2.2102   -1.6841
 -1.1396   -0.70931  -1.9935    1.3231   -2.6061    0.64613  -3.1315
  3.5524    1.0171   -0.66855   0.060647 -0.43635  -2.0677    0.79871
 -3.9341    2.6291    1.3198    0.42725   3.8054   -1.7394    4.8562
 -3.5789   -0.88334  -0.37656  -6.0213   -2.0029    1.0304  ]
Northwest [-2.2013   -0.74004   2.884     1.1642    3.7406   -0.26291  -0.90984
  0.58      0.55344  -0.031436  2.4426   -1.5235    0.86809   1.5954
 -1.1654    1.6289   -1.187     5.9904   -1.1073   -2.5812    0.21632
  2.8607   -0.36917   2.6774    5.3041   -0.22819  -5.1174   -3.841
  1.3123   -2.3735   -0.47229  -1.0852   -2.6249   -3.61     -4.1833
 -1.7186    0.21502   0.4817   -1.7632   -1.4046    0.29274  -1.2552
  0.4861    1.3349    0.1634    1.781     0.36184  -1.9527    2.3553
 -1.8295    1.6291    1.6493   -0.85908   0.15509   0.15406  -3.0696
  0.75615  -1.8941   -0.11592  -2.3765   -2.0549   -1.7052    1.513
  3.949     3.0974    3.058    -3.7594    2.7818    1.4257    0.088584
 -0.45664  -1.786    -0.55202  -0.16531   1.9329    0.61978   0.14768
  0.42973  -0.40071   0.4163    0.71225   1.6384   -3.3413   -1.0692
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 -3.842    -2.9094    3.9493   -0.22678  -0.82302   0.67473  -0.20134
  0.30822   1.3239    1.5244   -2.033    -0.82858   3.0095   -1.0729
  0.5765    2.0721   -2.0206    0.16883  -4.7442    1.1749   -2.9443
  2.0491    0.066542 -1.3847    0.66048   0.81366  -1.3541    1.7778
  1.4526    1.5193    0.49522   2.5264   -0.66831  -1.069    -0.35725
  1.8387   -2.4953    4.3576   -3.3422   -2.7442    0.81313   3.4466
  2.6228   -1.0896    0.5201   -2.3318    3.2818   -1.8219   -0.38134
 -1.3187    1.8516    0.69099   3.2019    2.7387    3.0559   -6.2724
  0.89591  -1.7072    0.18723   2.7994    0.33049   0.023441 -1.3291
 -3.1117   -2.1511    1.5962    1.2329    3.6598   -1.7131   -0.92243
 -2.9865    2.168     4.3324   -0.7951   -0.5585    0.022027 -0.8464
 -0.70494   1.1325   -0.98584   0.4846    1.6944    1.253    -2.342
  0.82513  -1.4895    0.15423   2.0254   -0.90999  -1.4688    0.12482
 -1.6345    2.1983    0.41825   3.1857    0.70183   3.23     -0.26185
  3.4022   -0.056023 -3.7094   -0.92605  -2.1412    1.8188    2.3295
 -2.1193   -1.1339   -0.99296   2.3486    2.7702    2.6088    2.0305
  0.092741  6.6685    0.68679  -0.20125   2.0016    0.96592   1.3426
  2.0837    4.1638   -3.6655   -0.58734   1.4287   -2.2948    1.3576
 -4.6888    0.95024  -2.5788    2.5336    0.22861  -2.541    -1.8179
 -3.4609   -0.066315  1.3417    1.7767   -0.2274   -1.2474    2.2765
  0.60563   0.97818  -0.98906   1.6779   -1.2152    1.5513   -1.8579
 -2.1381   -1.2061   -2.1675   -0.82854   3.5479    0.39654   1.9734
  1.2515   -2.0117    0.81705  -0.98986   0.82256  -1.2885   -0.60061
 -4.3113   -3.1546    0.13032  -1.8883    2.1127   -2.3312    0.20918
 -1.684     2.4248   -0.7891    3.0713   -0.90021  -0.72995  -1.3621
 -0.092444 -1.4787   -2.279    -2.1824   -1.4852    0.41465   1.3522
 -1.6146    1.3762   -2.1049   -0.090654 -3.8956    1.0777   -0.50163
  3.9202    0.33232  -1.7018   -4.0247   -2.2011   -2.5973    1.6066
 -0.57435   0.091665 -0.29947  -0.98878   3.7778    0.23474   3.1133
 -2.4878    1.8924   -2.0635   -4.8964   -2.0023   -0.13892 ]
National [-3.1238e-02 -3.0580e+00  6.2362e+00  4.5952e-01  4.2310e+00  1.4180e-01
  4.1979e-01 -5.6248e-01  3.4325e+00 -1.0176e+00  1.4906e+00  4.2475e+00
 -1.5389e+00 -3.1058e+00 -1.7528e+00  9.2698e+00  4.7934e+00  4.7553e+00
 -9.0256e+00 -2.9558e+00  5.4747e+00 -2.6427e+00  7.5592e-04  7.7948e+00
  5.2075e+00 -3.4998e-01 -3.9801e+00 -2.3707e+00 -2.1193e+00 -6.3671e-01
 -2.3424e+00  3.5048e+00  2.8755e+00 -1.6743e+00 -5.1917e+00  2.5352e+00
  1.9223e+00 -1.9549e-02 -6.3859e+00 -5.8328e+00  3.2213e+00  4.8094e-01
 -3.6231e+00  4.9242e+00 -9.9723e-03  1.1214e+00  1.1665e-01 -2.7996e+00
 -1.1851e+00 -5.3035e+00 -6.5216e+00  1.3909e+00  1.0138e+00 -1.9078e+00
  3.1593e+00  1.5005e+00 -2.1213e+00 -6.6516e-01 -2.7651e+00 -7.4848e+00
 -1.1838e+00 -5.4688e+00 -1.4631e+00  5.7713e+00  6.6278e+00 -2.3119e+00
 -5.8390e-01  4.0893e+00  2.8390e+00  1.3505e+00  2.7907e+00 -4.6118e-01
 -1.0356e+00  4.6648e-01 -2.9298e+00 -3.2865e+00  7.6082e-01  5.1783e+00
 -1.8694e+00  1.1817e+00 -2.5136e+00  4.6549e+00 -5.5345e+00 -4.9162e-01
 -2.4431e-01 -7.2424e-01 -9.3476e-01 -4.0578e+00  2.4469e+00 -3.1594e+00
  2.1420e+00 -7.9398e-01  1.1283e+00  2.5732e+00  1.8483e+00  4.4413e+00
 -3.8756e+00  4.1968e+00 -1.9019e+00 -7.3208e-01  3.4842e+00 -1.9184e+00
  1.5134e+00  5.8311e+00 -5.2799e-01  8.5052e+00 -1.4206e+00 -3.6716e+00
  1.9487e+00 -3.9173e+00  7.9554e+00 -5.8512e-01 -3.5231e+00 -6.8228e-01
  2.5708e+00  1.8165e+00  1.5472e+00  1.3289e+00 -2.0819e+00 -2.9140e-01
  3.2041e+00 -7.5631e-01  4.3337e+00 -2.8923e+00 -1.4854e+00 -2.3958e+00
  1.8655e+00 -3.8179e+00  3.2020e+00 -4.5495e+00 -4.0667e+00 -1.5958e+00
  1.1872e+00  6.7222e+00  2.2584e+00  2.9023e+00  2.2023e+00  6.5969e+00
 -4.5998e-01  5.0411e+00 -1.2637e-01  1.4437e+00 -3.3363e-01  5.5362e+00
  7.1723e-01  6.1987e+00 -3.6869e+00  3.5834e-01  2.7679e+00  1.5902e+00
  1.9083e+00  2.8202e+00 -2.9486e+00 -1.7135e+00 -2.1236e+00  1.0326e-01
  7.9193e-01 -7.9573e-01 -1.0353e+00  1.0831e+00  2.0919e+00 -4.9781e-01
  1.3572e+00  5.2586e+00 -1.3221e+00 -7.1783e-01 -1.9194e+00 -4.3077e-01
  2.8477e+00 -1.6927e-01 -1.9788e+00 -3.7344e+00  4.7664e-01  7.0364e-01
```

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  4.7912e-01  4.0867e+00  2.5882e+00 -9.7779e-01 -4.5124e+00  7.5365e-01
 -4.2541e+00  1.5732e+00 -5.0992e+00  2.5021e+00 -1.4652e+00  6.1201e+00
  2.0039e-01  2.5202e+00  4.4319e-01  7.1689e-01 -4.9084e-01 -2.2777e+00
  4.3245e+00  3.2714e+00  3.6207e+00  5.2707e+00 -7.9423e+00 -3.2758e+00
 -5.9964e-01  2.8805e+00  3.7512e+00 -1.8273e+00  2.0405e+00 -9.5005e-01
  1.2010e+01 -6.0073e+00 -3.4343e+00  3.9428e+00  1.5555e+00  1.1901e+00
  3.1783e-01  3.6747e-01 -6.2312e+00  3.0659e+00  2.6426e-01 -7.1470e-01
  3.0034e+00 -2.1141e+00  5.4572e+00 -1.8873e+00  2.8027e+00  5.1623e+00
 -2.0516e+00 -1.5359e+00 -1.9148e+00  2.0228e+00 -6.0758e-01  5.0899e+00
 -2.4163e+00  1.6273e+00  1.0237e+00 -1.7341e+00 -5.5212e+00  2.0946e+00
  6.2276e-01 -4.2359e+00 -1.6166e+00 -2.7402e+00  1.2175e+00 -2.0470e+00
  2.4998e+00  2.8066e+00  5.0774e+00  1.4167e+00 -1.0737e+00  4.0252e+00
 -6.0039e+00  1.2242e-01 -2.1929e+00  2.4351e+00 -1.1508e+00 -5.0894e+00
 -3.1511e+00 -1.3839e+00  2.8990e+00 -1.6682e+00  5.6952e+00 -4.8961e+00
 -2.2715e-01 -2.6849e+00 -2.4671e+00  5.3395e+00  4.0484e+00  2.3612e+00
 -5.7658e-01 -1.3306e+00 -2.1616e+00  2.9654e+00 -2.5050e+00 -2.7531e+00
 -3.5782e+00  4.1573e+00  5.8845e+00  2.9573e-01  2.9046e+00 -1.0770e+00
 -1.5809e+00 -7.2655e+00  1.1904e+00 -1.9101e-01  5.0729e+00 -2.2411e+00
  3.9843e+00 -6.6992e+00 -9.2964e-01 -5.7996e+00  1.3419e+00  2.9989e+00
  1.2239e+00 -5.4033e-01 -2.8563e+00 -2.9242e-02 -4.0005e-01  4.9874e+00
 -3.5931e+00  1.7330e+00  5.3809e-01 -9.9156e+00 -4.0239e+00  2.0754e+00]
Lab [ 9.6148e-01 -6.8248e+00  6.3073e+00  3.8898e+00 -6.6563e-01 -2.1698e+00
  6.6578e+00  1.1465e+00 -3.7024e+00 -1.5978e-01  1.5135e-01 -1.9328e-01
 -7.9208e-01  3.6249e+00  2.9458e+00  2.2296e+00  2.3537e+00  2.1018e+00
 -1.8875e+00 -1.0013e+00 -1.1650e+00  4.9907e+00 -4.8375e+00 -1.1585e+00
 -6.0910e-01 -7.4709e-01  1.4274e+00 -4.1841e+00 -2.9841e+00 -1.7737e+00
 -4.1676e-01  1.7751e+00  3.3639e+00  2.8625e+00 -1.4741e+00  1.7490e+00
  3.9133e+00 -6.6449e+00  3.2619e+00  1.5211e+00  2.0354e+00  1.6014e+00
 -2.6966e+00  7.3334e+00 -9.3421e+00  5.1739e-01  3.4799e-01  8.0034e-01
  5.0152e+00 -5.6994e+00  1.9685e+00  4.6136e-01 -6.0043e+00  4.6022e+00
 -3.2593e+00  5.8506e+00 -4.7585e+00  1.7978e+00 -2.3345e+00 -1.1282e+00
  4.5648e+00  8.2636e+00 -2.0287e+00  2.8857e+00  5.6296e+00 -2.9809e+00
  8.3834e-01 -6.0189e+00  2.4536e+00 -1.4561e+00  1.0193e+00  4.2720e+00
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 -2.1703e+00 -4.7326e+00 -3.8301e+00  9.9582e-01 -1.6666e+00  3.6845e+00
  1.9399e+00  6.0123e-01  1.1787e-01 -2.5139e+00  1.1241e-01 -4.9649e+00
 -4.4631e+00 -1.1031e+00  2.0058e+00  2.4510e+00  9.1258e-01  1.5663e+00
  2.1495e-01 -7.4845e+00  3.5870e+00 -4.5685e+00 -3.4831e+00 -4.5152e+00
  6.3665e+00  4.0701e+00 -3.0483e-01 -5.5165e+00 -1.0069e+00  1.1846e+00
  6.2539e+00 -1.0441e-01  5.2750e+00  1.2623e-02  6.5578e+00 -3.1759e+00
  8.4546e+00 -3.4624e+00 -4.3145e+00 -1.0404e+00 -7.1933e+00 -7.6668e+00
 -5.7154e+00  3.2780e-01  7.4108e+00 -3.7258e+00  2.2826e+00  1.8015e+00
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  2.1815e+00  4.0940e+00 -5.3228e+00  1.0747e+00  3.2577e+00 -3.4110e+00
  2.8331e+00  1.8877e+00  8.7182e+00  2.0132e+00 -5.5311e+00  4.0417e+00
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  8.9483e+00 -5.5372e+00 -1.0702e+00 -4.3983e+00 -8.2067e+00  5.4633e-03
  3.9458e+00  6.0359e+00  4.4055e+00 -4.9740e+00  2.7790e+00  1.9732e+00
 -3.0805e+00 -1.4778e-01 -3.5210e+00 -3.4950e+00  4.0102e+00 -5.3523e+00
  6.3588e-02 -4.3640e+00 -4.4249e+00 -1.2360e+00 -1.0390e+00 -1.7634e-01
 -7.5980e-01  5.8003e+00  3.7153e+00 -3.5755e+00 -7.6626e+00  1.0975e+00
 -4.0838e-01  3.9433e+00 -3.4393e+00  4.6973e-01 -3.3223e-01 -3.1840e+00
  2.9860e+00 -1.0210e+00  2.6046e+00  3.8663e-01 -6.2010e-01  3.7608e-01
  4.5485e+00  1.7582e+00  7.4541e-01  3.9221e+00 -3.8238e+00 -2.4593e+00
  1.7878e+00 -3.6163e+00 -5.9080e-01  7.8789e+00  3.6599e+00  6.3156e+00
  2.2570e+00 -2.4855e+00 -5.9185e+00  2.3971e-01  2.4933e+00 -7.9118e+00
  3.5207e+00 -7.5966e-01 -1.7942e+00 -1.2214e+00 -6.1989e-01  9.6013e-01
  5.2051e+00 -2.0218e+00  4.9365e+00  5.3993e-01 -9.7259e-01  2.8573e+00
 -3.2005e+00 -1.3173e+00 -2.4798e-01  5.0262e+00  2.1738e+00  3.7660e-02
 -3.7728e+00 -1.4254e+00  3.2572e+00  2.6534e+00 -2.9362e+00  1.2063e+00
```

```
  6.2291e+00 -4.8917e+00  5.8279e-01 -3.6547e+00 -2.7445e-01  6.2845e+00
 -9.2452e-01 -4.5106e+00  6.4293e+00  3.6443e+00 -4.1386e+00  5.0203e+00
  4.8469e+00  3.2122e+00 -5.0135e+00 -5.8744e-01  1.7324e+00 -1.5338e-01
  5.5639e+00 -3.1496e+00 -4.0103e+00 -1.6568e+00  1.9777e+00 -3.6964e+00
 -5.1333e+00 -1.9341e+00 -2.2442e+00 -8.2228e+00  3.4087e+00  1.1400e+00
 -3.1809e+00 -3.4736e+00 -6.0136e+00  1.0948e+00  5.6064e-01 -2.0321e+00
 -5.2711e+00  4.7778e+00  7.8100e+00 -2.4938e+00  4.8862e+00 -6.4325e+00
  2.5596e+00 -3.7788e-02  1.1520e+00  1.1982e+00  7.6489e+00 -8.7192e-01
 -2.7162e+00 -8.3224e+00 -3.6812e+00 -5.2468e+00  4.0352e+00  5.1543e+00
  2.2687e+00 -6.0669e-01 -2.7008e+00  1.3417e+00  2.0658e+00 -3.1384e+00
 -1.2931e+00 -1.2712e+00 -3.1905e+00 -6.2973e+00 -2.2328e+00  1.0579e+00]
share [-7.2493e-01 -5.0282e+00 -7.9399e+00 -2.3824e+00  1.4062e+00  1.3275e+00
  3.1512e+00  5.6425e+00 -5.1327e+00 -8.4852e-01  4.3931e+00  3.7685e+00
 -5.7270e+00  2.7374e+00  3.1332e+00  2.9339e+00 -1.7667e+00 -1.2212e+00
  4.6287e-01  1.8548e+00 -9.9555e-01 -1.0683e+00 -4.9793e+00 -3.5272e+00
 -2.4501e-01  5.1000e-01 -1.5959e+00  3.1475e+00 -3.2558e+00  8.5547e-01
  5.8971e+00  4.7519e-01 -5.8550e+00 -2.1210e+00  2.7740e+00 -2.0973e-02
 -1.2123e-01  2.3857e+00  1.9346e+00  2.7666e+00 -2.4712e+00  6.5794e+00
  5.3685e-01 -1.2570e+00 -1.0446e+00  3.6647e+00  2.2183e+00 -1.3616e+00
  4.7508e+00  1.6979e+00  3.4028e+00  5.9970e-01  8.2566e-02 -6.7400e+00
  4.3052e-01  7.1790e-01 -5.1610e+00  1.1393e+00 -1.4560e+00  2.2041e+00
 -9.8936e-01  3.9125e+00  1.4317e+00  1.0129e+00  2.8606e+00  6.2765e+00
 -1.8569e+00 -1.8976e+00  2.5031e+00  8.9538e+00  3.3691e+00 -2.5068e+00
 -3.8910e-01 -7.2467e-01 -3.1209e+00  6.3341e+00 -3.4607e+00  4.5670e+00
  1.2190e+00  8.1066e-01 -4.6556e+00  4.0516e+00  3.4536e+00 -1.5190e+00
  1.3244e+00  7.9799e-04  5.6732e+00 -9.6352e-01 -2.2762e+00  4.2018e+00
 -2.2202e+00  3.1615e+00 -4.7048e+00 -5.3210e+00 -1.0233e+00 -1.0747e+00
 -5.2562e+00 -8.9177e+00 -1.4108e-01  2.0093e+00  2.8107e+00  5.4710e+00
 -1.7765e+00  3.2216e+00 -9.6397e-01  6.3008e+00 -3.4359e+00  2.0072e+00
  9.2906e-01 -3.2139e+00  2.9922e+00 -1.5880e+00 -6.6634e+00  1.3811e+00
  3.3142e-01  6.7671e+00  2.2076e-01 -6.1070e+00 -5.3428e+00 -2.1815e+00
 -5.6484e+00 -1.0305e+00  3.0612e+00  2.2990e-01  1.5476e+00  1.3975e+00
 -8.6167e-02  9.2474e-01  5.3718e-01  1.9167e+00  9.3836e-01  1.9323e+00
  1.2803e+00  2.1077e+00 -1.1087e+00  2.8109e+00 -2.7002e+00 -3.3438e+00
  5.2081e+00  1.9281e+00 -9.7410e-01  6.1238e+00 -2.2300e+00  5.2335e-01
 -4.2177e+00 -2.6116e+00  3.8986e+00  1.5237e+00  2.5573e-01  2.4332e+00
 -7.6159e-01  8.8155e-01  1.8069e+00  3.4101e+00 -6.9986e-02 -5.1101e-01
  1.1854e+00  3.3229e+00  3.7989e+00 -5.7980e-01  1.1255e+00  9.1522e-01
 -3.1283e+00  1.8138e+00 -3.7979e+00  2.3557e-01 -3.7389e+00 -7.5557e-01
 -2.8675e+00 -6.6899e+00 -2.5338e+00 -4.2912e+00  5.4263e-01  1.4744e+00
 -1.5437e+00  2.7342e+00  9.5797e-01  2.4861e+00  8.3200e-01 -1.9382e+00
  5.9610e+00  1.3468e+00  7.8230e+00  3.0498e-01 -3.0951e+00 -1.2550e+00
  3.6432e+00 -4.6279e+00  4.0375e+00  6.6665e+00 -8.2330e-01  2.1442e+00
 -5.9383e+00 -1.5151e+00  1.6438e+00  8.1665e-01 -3.0423e+00  1.8783e+00
 -2.1024e+00  1.7732e+00 -3.1471e+00  1.6634e-01 -4.5624e+00 -2.6168e+00
  4.1687e+00 -1.7316e+00 -2.2548e+00  1.2579e+00  4.7221e+00 -2.2108e+00
  7.2101e-01 -1.7823e+00 -1.7854e+00 -4.8740e+00  7.6410e+00  1.5590e+00
 -1.7417e+00 -2.2472e+00 -2.3723e+00  2.5642e+00  2.0353e+00  3.1007e+00
  1.6798e+00 -1.1494e+00  2.8437e-02  1.3363e+00  2.4548e+00 -9.8294e-01
  1.0557e+00  1.0957e+00 -2.2735e+00 -5.7269e+00 -1.9664e+00  1.2024e+00
  5.5452e-01  8.2548e-01  1.0345e-02  5.1328e+00 -1.1323e+00  1.8338e+00
 -2.1008e+00 -4.6973e+00 -2.9572e+00  2.6879e+00  3.7301e-01  3.6863e+00
 -1.7198e+00 -2.6714e+00  8.2092e+00 -1.4440e+00 -7.7215e+00 -4.0308e+00
 -2.5938e+00  1.3922e-02  4.2608e+00 -2.7081e+00  6.0995e-01 -5.4026e-02
 -2.4921e+00 -8.2399e-01  5.9471e-01  3.0189e+00 -2.2656e+00  7.9520e-01
  4.0475e+00 -1.0107e+00 -3.2036e+00 -1.9696e+00  2.3279e+00 -9.2032e-02
  1.0608e+00  8.0571e-01 -3.2035e+00 -5.9279e+00 -9.6977e-01 -1.3224e+00
  5.0766e+00 -4.8427e+00  1.9943e+00  7.1400e+00  7.5093e+00  1.2882e+00
  1.4367e+00  4.7397e-01 -3.4574e+00  1.6962e+00  2.1133e+00  1.7173e+00
 -8.3460e-01  8.0933e-01  4.0951e-01  2.5569e-01 -3.6137e+00  4.7874e-01
```

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  3.9448e+00 -3.3623e+00 -2.7415e+00 -3.5397e-01 -4.7900e+00 -7.2973e-01]
strategies [ 1.4101    2.4425   -2.2903    2.2796    2.5015    1.1035   -2.5996
  4.7005   -2.2866   -0.19153   6.3257    5.2863   -3.7623   -0.14425
 -2.48      1.7128    4.5135   -1.1695   -1.6294    1.7358    0.58503
  1.5418   -2.9039    0.033468 -0.98467  -1.5871    0.69963   1.0284
 -0.39429   0.65546   2.3311    1.2696    0.63856   0.022759 -0.080685
 -2.4374    2.1182    1.4963    0.8413   -1.7029    1.289     0.80325
 -1.5178   -2.7137   -3.5364    3.8161    3.9303   -5.0083    2.662
 -1.5425    0.020203  2.0579   -0.56873  -5.9107   -1.0691    1.4797
 -3.0704    3.2069    2.1163   -5.8834    5.0829    4.1197   -0.40237
  0.065688  0.29169   4.1254   -0.20816  -7.9663   -0.76537   1.9747
 -0.54617   2.5703    0.97935   0.14207  -2.3048    1.037    -3.1614
 -0.50332  -3.0539   -1.263    -3.3976   -1.4877    0.41896   4.0933
 -1.7948   -1.6697   -3.2813   -5.4542    4.851     2.7121    1.663
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  0.21207  -4.2375    0.79596  -0.81785   2.9193    3.9888    3.0836
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  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
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   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
```

```
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
  8.8706e-01 -4.8168e+00 -7.4616e-01 -7.8736e-02 -7.9536e-01 -6.0894e+00
  2.7413e+00  2.1358e+00 -2.7505e+00 -1.1987e+00 -6.4908e+00  1.3424e+00
  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
 -5.2159e+00 -3.3565e+00 -2.6745e-01  3.9148e+00 -2.7248e+00  3.7187e-01
 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
 -2.0715e+00 -5.2312e-01  1.4389e+00 -5.0093e+00  4.3909e-01 -7.2692e+00
  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
 -2.5949e+00  1.4874e+00 -7.0560e+00 -1.6384e+00  2.9549e-03  6.3286e+00
  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
task [ 1.6347e+00  6.5688e+00 -5.0242e+00 -5.8372e-01  1.7626e+00  4.1776e+00
  1.5275e-01  3.1181e+00 -3.5933e+00  1.0716e+00  4.4031e+00  2.0423e+00
  1.4189e+00  7.0146e+00 -6.8371e-01  4.8823e+00  6.9900e+00  1.9751e+00
  2.7616e-01  6.1495e-01 -4.3691e+00 -2.5712e+00  1.1233e+00  6.2958e+00
 -7.6128e-01 -1.0320e+00 -6.5479e+00 -2.9027e+00 -6.2377e-01  2.8200e+00
 -1.5606e+00 -3.4462e+00  3.0809e+00  9.1760e-01  6.1160e+00 -2.8699e+00
 -1.6632e+00  1.5316e+00  4.8613e+00  4.1908e+00  1.6204e+00  4.4653e+00
  7.2922e-01 -1.2852e+00 -7.6677e+00 -4.5715e+00  5.7930e-01 -5.9435e+00
  1.7051e+00 -1.7901e+00  6.7587e-01 -3.2084e+00  2.6128e+00 -4.8547e+00
 -4.6612e+00  5.2010e+00 -8.4341e+00  2.6223e+00  1.9782e+00 -1.5665e+00
  6.9619e+00  1.9573e+00 -1.0068e+01 -2.0955e+00  1.0439e-01  5.4771e+00
 -4.8450e+00 -9.7314e+00 -2.8334e+00  3.8572e+00 -2.7653e+00  4.5304e+00
  1.7293e+00  4.4936e-01 -2.2527e+00 -4.9398e-01  1.0568e+00 -1.4174e-01
 -2.9443e+00 -4.1099e-01 -5.9972e+00 -8.5611e+00  6.6924e+00  2.5510e+00
 -1.3283e+00 -1.7159e+00 -4.4760e+00  7.5133e-01  3.8984e+00 -1.6096e+00
  8.0717e-02 -3.3489e+00 -1.0350e+00  1.7976e+00 -2.4457e+00 -2.5361e+00
 -4.3343e+00  3.3356e+00 -4.8209e+00 -5.0407e+00  1.0830e+01  7.3004e+00
  6.6199e+00 -8.0060e-01 -2.1582e+00  2.8951e+00 -3.7000e+00 -2.4079e+00
  3.3421e+00 -4.6600e+00  3.5946e+00  2.1066e+00 -3.4494e-01  4.4268e+00
 -2.3857e-01 -9.7118e-01 -8.5613e+00  1.2443e+00  7.6551e-01 -1.7604e+00
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 -5.8119e+00  1.3008e+00 -2.1536e+00  6.0373e-01 -1.6584e+00 -6.3455e-02
  5.9491e+00 -3.2506e+00 -2.5804e+00  3.5657e+00 -8.3231e+00  1.3073e+00
  5.5372e+00 -4.5622e+00 -2.1493e+00  2.4563e+00  1.6722e-01 -1.7320e-01
  3.8907e+00 -8.4471e-01  2.9782e+00 -1.4534e+00 -3.8261e-01 -6.8233e-01
  2.9511e+00 -1.3801e+00 -5.9506e+00 -3.2876e+00 -3.9059e-01  3.6550e+00
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  8.0958e+00 -4.8106e+00 -5.0245e+00 -2.5082e+00 -3.3775e+00  9.8899e-01
 -3.4372e+00  4.3810e+00 -1.8195e+00 -1.4939e-01 -8.9046e-01  8.0308e-02
  1.5422e+00 -8.6237e+00  3.9510e+00  1.7950e+00  1.2077e+00  4.6916e+00
  8.9023e-01  2.0122e+00  4.3281e+00  3.6762e+00 -1.5718e+00 -1.0340e+00
 -1.6111e+00  6.2979e+00  2.9097e+00  6.7584e+00 -2.2077e-01  3.7022e+00
 -1.2109e+00 -9.6169e+00 -2.2132e+00  6.1088e+00 -1.8300e+00 -7.4431e+00
 -7.7071e+00  3.4928e+00 -1.7291e+00  7.0811e-01  1.3112e+00 -1.5144e+00
 -5.2014e-01  2.2511e+00 -6.1535e+00  4.0590e-01  1.1185e+00 -3.6929e+00
  2.4373e+00  2.1511e+00 -2.3079e+00  2.7717e+00  4.1418e-02  3.7049e+00
 -1.9352e-01  2.2591e+00  5.0975e-01  6.4910e+00 -5.7963e+00 -5.2423e+00
  4.7086e+00  1.9160e+00  6.0427e+00 -1.0581e-01 -4.5154e+00 -2.0870e+00
  2.2089e-01  1.8950e+00  5.0413e+00 -4.9652e+00  4.4907e+00  2.6486e-01
  1.4776e+00 -3.1667e+00  2.1474e+00 -2.1767e+00 -9.4922e-01  2.3733e+00
 -2.1476e-01  2.6127e-01 -5.8497e+00 -4.1529e+00  9.3006e-03  2.2632e+00
  1.4767e+00  2.1988e+00  9.0206e-01  8.1992e-02 -7.0436e-01  1.1379e+00
  2.3619e+00  7.8989e-01  1.4808e+00  8.8418e-01  2.3793e+00  2.2168e+00
 -5.1042e-01 -5.6630e+00  1.6523e+00 -1.3193e+00 -3.4420e+00 -1.2070e+00
 -9.2260e-01  7.9777e+00  3.5816e+00  1.0127e+01  6.8864e+00  2.0527e+00
 -9.3125e-01 -2.3344e+00  2.6272e+00  2.6649e+00 -1.4070e+00  1.0579e+00
  6.6344e-02 -2.0783e+00  1.2846e-01 -1.6902e-01  3.8612e-01 -1.0525e+00
 -3.1724e+00  2.1331e+00 -1.1863e+00  7.4118e+00  4.7122e+00 -3.5222e+00
 -1.6495e+00 -2.0382e+00  1.1904e+01 -6.5874e+00  1.0474e-01  1.3297e-02
 -6.8476e+00 -1.2066e-01  2.6605e+00  1.9411e+00 -2.2476e+00  1.5282e+00
 -9.3049e-01  4.5642e+00  1.4836e+00 -3.7563e+00 -1.4808e+00  3.1640e+00]
force [ 1.6686    1.6867   -5.7237   10.035     2.1658    4.0201    2.2547
  0.6195    1.8812    2.3463    4.7235    3.8356   -3.0326    9.1724
 -0.70012   5.2247    4.4761   -1.6577   -2.2051    0.8173    0.41269
  0.76235  -0.18272   1.3549    3.1936   -5.8943   -1.9204   -6.4365
  0.71235   2.3496    3.5689   -2.5125    3.9768   -0.6699   -0.59908
 -2.2566   -0.60258  -2.2027   -0.65009   2.0874   -2.2773   -3.1736
 -0.93419   2.8699   -2.414     1.4626    2.9616   -2.4068    3.8206
  6.1775   -1.9711    4.3683    3.649    -5.7578   -1.1978   -1.9082
  1.93     -0.667     3.504     1.522    -3.0585    1.3548   -9.8007
 -1.4908    4.935    -2.3581   -5.1446   -3.054     2.1371    4.3865
  1.687     2.7983    1.5008    1.5809   -5.6791    4.4969   -2.3556
  4.5014   -5.3523    3.4054   -5.8423   -8.9079    2.0867    6.5612
  3.5788    2.773    -2.5629   -4.0054    6.2662    5.9222    0.27426
  1.4782    6.7456   -1.7996    5.3663    1.0045    3.4048   -1.7082
 -1.7596   -1.1001    5.056     3.2402    4.0828   -2.8896    0.32221
  2.8734    5.3113    0.35043   2.9431   -7.3938    2.3259   -4.3517
 -4.3123   -2.0427   -2.7141    2.4008   -4.9391   -1.1413    1.1038
 -0.92928   0.9079   -3.3654   -2.3541   -2.6578   -1.5151    0.83564
  6.9681    2.1276    2.5442   -4.5542   -7.4732    0.20944   3.9301
  5.0216    0.62673  -1.9878   -3.3389   -0.42859  -0.44372  -2.4186
 -5.505    -7.0295   -3.8864    1.2773    5.067    10.25     -7.5746
 -1.0087    0.16552   4.4237   -6.276     1.899    -2.9764    8.6453
  1.6453    0.54761   4.2038   -2.5494   -6.0261   -4.5597   -8.2364
 -2.1457    1.7746    0.84105   4.6182   -5.5988   -3.3881    4.0562
 -1.7711    0.18692   1.6117   -1.426     2.2524   -0.64271   3.3332
 -0.92024   2.7767   -0.20025  -1.2215   -0.96168  -2.7712   -1.0209
  1.3182    3.2366    0.1552   -0.035954 -0.096903  2.9267    1.5811
  0.033731  4.7387   -7.7123   -0.73005  -4.4416   -0.21637   0.21411
 -2.1572   -1.12     -0.40586   3.3623   -0.49653  -3.3843   -1.3491
 -3.4388   -3.7427   -1.2763   -3.3697   -0.37995   1.7036    3.1757
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 -0.94083   6.1435   -5.5363    0.51196   2.0228    2.2042    2.8435
 -3.0667    1.8837   -3.0502   -2.0263    2.6517    1.1263   -0.75411
  0.21093  -4.3305   -2.1963    0.56577   2.0767   -1.5216    1.3007
 -2.7238   -4.7768    8.322     3.0682    0.80562  -4.122    -1.365
 -1.7558   -5.8714    4.6717   -2.4631    4.8449   -4.5437   -4.8252
  4.191    -5.0549    2.647     2.5676    5.5042    4.8825   -3.121
 -6.0889   -2.8016   -4.3057   -7.5833   -0.84898  -7.6899    1.4841
 -1.0658   -2.5513    7.1186    7.5266    0.47007   4.1264   -1.7521
  2.2031   -2.0471   -0.9133   -1.6462    1.2811   -0.58724  -0.66783
  2.9833    3.2543   -2.2096    1.7009   -4.3735   -2.9229    6.2035
  1.6807   -3.8614    3.5091    4.8508    7.1363   -4.7148   -2.2472
  1.8788   -3.2533    4.0245    2.2784    1.4933   -1.0341    1.1451
  3.3585    1.645     0.32295   1.7128   -2.9768    6.834   ]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
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  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
be [ -9.3526     3.6551    -3.2571     5.9911    -6.4846     7.1636
  -6.8778     5.8018     0.44651    2.9207     3.9148    -6.2731
  -2.715     -7.5783     9.1041     8.4921     0.2554    -3.7184
 -17.598     -5.4603    12.39      -5.4436   -12.536     -4.2497
  -9.4655    -2.057     -1.9049    -1.4071    -9.9376    -2.8373
   4.0462     3.933    -21.218     10.063      3.6847    -1.982
  -2.8951     4.1914     9.94       3.4236    -1.1198     4.9074
   0.12695    4.5187     1.0551    -6.3807    11.955    -20.982
  -0.79906   -3.4104    -2.8713     9.7351     1.0543   -19.779
  -2.6041    10.358     -7.4775     0.80235   -6.4462     6.5963
   2.6957    -1.4382   -14.456      7.0566     9.8913     7.3564
  -2.7102     4.7989     2.117     23.469     -9.483     18.556
   6.2634    -0.68159   -8.9222     3.1222    -9.9134   -13.277
 -14.698     -0.61453  -11.278     15.269     12.153     -6.4362
   8.3168    -0.57617   13.039      4.6912    10.783      9.01
   8.9161   -22.341     14.51     -13.179      8.3981   -12.374
   1.3767    -6.2885    -7.3373     3.4127    -6.9619     0.14025
   1.1062    -8.4468    -5.9806     5.8997   -14.608     -4.3463
  -2.4014     1.1681    -6.5925     5.7863    -6.0112     4.3464
   1.8992     6.6762   -19.689     -8.1288    -0.47884    2.9776
  -7.7057    -5.3311    -3.163      1.8049   -13.747     -7.7368
   4.6773     7.0958    -0.12492    8.9914     0.057951  10.575
  -4.3069    -3.9989   -12.594     -3.7506   -13.177      2.4683
  13.555      6.6845    -5.1778    -1.6986     2.911     -9.5964
   2.6086   -16.294     -2.7324   -16.234      4.2044    -0.61636
  -1.5742     2.7457    -6.331     13.058      0.43878    3.8143
   5.8193    -0.86261   -2.4524    -6.0752    -6.5281    -2.0051
 -11.717     -6.7138    -9.3846    -5.5737   -23.195     -8.2222
   7.2239    -0.78353    2.1891     3.9541     2.3293     2.673
  14.28      -5.1953    -2.9145     1.2234     8.5788    -9.7768
   1.2007     1.3975     1.5516     4.6011    10.246     -7.4564
   6.4294    -9.424     16.276     19.669    -10.695     -4.1896
  -4.3465     2.1809     1.3355     0.89022  -11.424      5.3054
  -1.0236    -4.0745   -11.403      9.2941    -2.9423    -1.6396
  -6.3623     5.7996    -7.8407     1.1229    -8.2714     8.2435
  -3.1096     1.6742    -4.314     14.231     -2.228     -1.1961
   7.9856    -8.366     -1.8845     6.8101    -0.27822   -9.636
   5.753     -4.7637    -2.5273     3.2163    -8.4082     9.0843
   2.4414    -1.5656     3.2841   -13.151     -0.22789    5.2239
  -3.0686     3.1545   -10.091     -1.0263    -5.8367    -6.5495
 -11.279      5.0036     3.2708     9.3458   -11.598    -14.334
  -6.3938     6.2889    24.726     18.409      0.88376    1.6211
  -1.5313     5.2386     4.2653    -8.2703    -2.2532     8.3013
   4.068     -6.9995     0.92292   10.527     11.084      5.0838
   8.7199    -4.2912     6.5145    17.065    -14.813     -9.5256
  13.802    -13.014     -9.3042    -6.6577    -4.0327    -8.4919
  -9.6338     8.3126    -3.6277     8.0586     0.76819   -9.4156
  -2.7627     2.215     15.5      -13.929     18.177      7.2288
  10.556      6.9498    12.967     -9.9268     3.3723    14.011
  -4.4623     8.0295     2.123     -5.4425    -0.48176   11.279   ]
made [ -9.1307    -3.3238     5.5397    -6.6699     7.5861     0.59158
   3.6615     3.0919     2.1393    -1.1255     4.9096    -4.7748
  -4.8887     3.5092     7.1725     3.6735     6.1124    -1.5032
   6.4868     2.3504     0.19716   -0.79036   -2.4062    -0.2052
  -1.7248    -3.5384    -2.7413    -2.1114     0.42973   -1.9263
   1.8756    -0.11096    5.2375    -1.6154    -6.2666     4.5498
  -3.8253     5.4474     3.7319     0.34498   -1.4398    -1.813
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  -0.051718   3.8198    -3.198     -3.378      9.8963     0.43819
   0.15139    6.3151     0.18553   -0.1633    -0.63992   -7.6055
  -0.75776   -3.1351     0.22496    2.9004     1.9938     2.3883
   0.50928   -5.5404     4.9734    -0.4111     3.2558     5.9401
  -6.1167    -0.68558    3.2497     6.4431     1.887     -6.732
  -1.2664    -0.016906   3.4996     5.0443    -1.6302    -1.5035
  -2.0649     2.9027    -4.8401    -5.8011    -0.82606    1.4139
  -1.0642    -3.3174     3.0571    -3.1143    -1.9587     3.0069
  -0.64007   -2.3775    -0.018485  -5.4163     2.1591     1.4821
   4.8214   -11.602      3.6537    -0.18357   10.27      -2.0587
   0.8963     7.7938    -3.6054     4.6165    -2.9104    -0.89676
  -4.4995    -4.3197     6.9662     2.5519     5.242     -1.0788
   1.0995     2.3179     2.9316     5.3854    -9.37      -3.3345
   1.0954    -3.2423     0.94577   -2.9582     6.2547    -1.8334
  -5.091     -3.03       9.1061     0.38085   -0.31756    1.6943
   6.8123    -7.1353    -1.1669     2.1171    -3.8314    -5.3442
   4.2663    -7.8857     0.42948    1.9226    -4.3023     0.8551
  -2.017      6.4053    -7.373      4.5346     7.0992     0.27817
  -1.0293     2.6288     0.17796    1.35      -6.1415     0.32434
   5.7343    -2.2856    -3.1213    -4.2349    -1.5269     1.1934
   5.7493    -2.4846     7.3872    -0.43694   -3.3598    -0.91101
  -5.1288    -0.67784    0.88504   -0.21006    3.1893    -6.8116
   3.1988    -0.24004   -1.6418    -1.9024    -0.083541   0.49549
  -0.22524    5.3397     1.7843     3.1478    -3.9881    -4.4113
   0.73657    0.80569   -5.1866    -4.3075    -1.4181    -2.3349
  -8.502     -0.37535    1.34       1.3698    -2.2614     2.1449
  -2.1896     4.5012    -0.31165   -4.1229    -4.1294    -4.6587
  -3.3296     2.0553    -4.1813     3.0941     1.7779    -0.050151
  -1.7475    -0.42309    5.861      0.88868    0.35196    1.5187
   1.8015     4.1622     1.6098    -2.6702    -3.5938     0.18825
  -1.2911    -1.741     -2.3718     0.4729    -5.6024     5.6757
   5.8607     1.2923    -1.6264    -2.0042    -1.1651     2.9896
   1.622      5.923     -4.0626    -2.1664     2.2431    -0.033687
   1.2142     1.8324    -1.7043     1.9171    -7.8867    -4.8568
   0.42089    2.7507    -0.60439    7.2593     1.7699    -0.078322
  -0.81717    2.0891    -0.13527   -4.7892     2.1388     2.5315
  -1.9831     2.9241    -0.54062    5.0672    -2.6818     4.3112
  -1.0299     7.3536     0.76114    0.78104   -5.0912     0.17704
   1.4512     4.0916     1.8352    -6.2902    -4.0131     0.50616
  -1.8626    -3.8348     2.5113     1.4989     2.7944     1.0902
  -0.31439   -3.1302    -2.8622     3.611      0.37558   -4.7167
  -6.5921     3.5998    -1.0487    -5.5881    -2.0391    -0.58997
   3.9754     1.9553    -3.743      0.90841    4.2281    -2.086   ]
up [  1.813    -0.6124   -4.6381   13.14     10.575     2.0582   -8.1354
  14.727   -12.728     0.99054  -9.5115    2.6486  -10.637     6.6653
   0.49988  -7.373    -0.10938  -0.53807  -2.6355  -10.386     8.1449
   2.9788   20.991    -9.4374   -0.52778   3.597    -6.045    -7.2564
   0.54312  11.98     -0.92882  -6.419     8.2877   -3.5731   11.506
   0.84645  -9.183     5.5684   11.973     3.6086    5.9462    1.2492
  -2.803    -3.7215   -4.0679   -6.2007   -2.5038   -7.8831   -3.1576
   1.6147   -0.80982   0.36      3.9734   14.892    -6.724    -1.5623
   4.3821   -2.9455    5.6302   -3.9037   -9.9232   -1.9227    8.1403
   8.2084  -14.184    -7.1857  -10.04     -3.252     0.40985   3.0357
   4.2163   -7.5977   -0.52314  -0.27866   4.3294   -1.1867    7.8223
   7.2516    1.1811  -18.65     -1.8453    1.8267   13.786    -1.0028
   7.9797   -0.49891  -3.2938    3.0695    8.956    -1.452    -0.80029
   6.096     5.1695  -15.892     0.64345   0.56494   7.2544   -4.8667
   9.5359   -2.2951  -11.854     0.35646   3.226    -1.5672   -0.40496
 -10.682   -12.617    -6.2802  -14.666    -4.9935   -2.7899   -8.7962
   5.6479    8.0268  -11.073     8.6038  -14.108   -14.441    15.814
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 -1.8721    7.0901    0.9447   -8.2748    0.10643   3.8904   13.366
 -1.633    -4.7501    2.5047   -3.1001    3.5524   -3.604     1.1272
 -5.7863   -5.4654   -9.7246  -10.713     3.5248   -1.4127   -8.0786
  4.5526   14.238     6.8665   -7.2475    0.23348  -5.4896   -5.7702
  2.8964   -4.9616    3.4107   -2.6263  -10.654    -3.9646   -3.8852
-12.974    -0.5132    8.0201   -4.0233   12.452    -1.4691   -8.7243
-11.466     3.1       6.9812    4.5218  -12.012    21.451    -7.5925
 -5.0512  -13.978    -1.5242   -1.5063    4.4806    8.6794    7.754
  6.3057    2.3059    1.3483   -0.80376  -4.0297   -6.8683   18.807
 -5.4774   -1.775     5.9402    4.8894   -8.3724   -4.93    -13.702
  7.297    -2.7621   -4.7322    2.6843   -6.2491    1.2082    2.2922
-10.511     2.4362   12.878    -7.59     -0.29267   3.6251    2.1567
 14.676    -0.93708  11.693   -12.562    17.328     0.82781  12.447
  0.42185 -19.696     0.28911   5.5099    3.7877    2.8717   -0.82934
 -6.8588  -10.703    -1.0408    7.9692    2.0871   14.329     2.386
 -3.6429   -0.56223   3.4353    4.9317   -1.1105  -15.953    11.626
  5.0067   10.468     0.93084   9.2895   -5.881    -0.83748  -4.8446
 10.584   -14.12      0.75562  15.634     2.1005    1.9259    7.9136
 -0.07039  -8.9013   -4.3683   -9.5251    6.0105    0.75621   1.8444
 -2.7335    8.9591   12.521    -7.5382    0.46407   6.3545  -13.344
  1.177     6.9652    0.10902   8.015     2.2247   -4.1871   12.625
  4.3116    3.4079    7.0686   -3.1887    1.8908   -6.4734    7.1499
 -2.01      4.4498   -9.3009   22.957     3.2736  -10.004   -27.037
  6.3066  -14.172    -1.5874   -4.4293   -3.5676   -3.2606   -4.4549
-12.637     5.4072    4.9932    8.8485  -11.418     5.4424 ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
  2.3228    11.243      9.9503    -8.4631    15.482      7.1873
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 14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
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 -6.686      2.1081    -7.6174     3.625      3.4636    10.978
  2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
  3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
 -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
 -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
 -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
-13.107      4.7516   -13.247     12.929     -1.7277     3.3617
  5.4739     6.7001   -13.022    -11.402      1.5567     1.357
 -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
  3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
  2.711     17.107     -9.2652     6.2524    11.207     -8.1336
 -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
  2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
 -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
 -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
  9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
 -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
  4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
  2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
 -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
  6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
  9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
 -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
 -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
 -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
  7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
 -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
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   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
senior [-1.2324     0.80598   -0.95546   -0.9301     5.6914     2.97
 -1.1169     3.8648     0.94325   -3.2186    -1.8568     2.1034
 -3.0127    -2.2552    -4.9297     4.1234     0.082139  -0.33968
  2.1779     4.824      1.7618    -4.8604     2.2805     0.065558
  4.0749    -0.60082   -0.72388    3.535      7.3897     0.39328
 -3.5524     0.39595    2.2331    -1.6774     1.1621     4.3183
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  0.73413    2.1245    -3.4527    -4.1033     0.15397   -3.0752
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  1.3794    -0.12631    5.0918    -2.427     -0.66522   -3.7652
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  0.60704   -0.63649   -3.8684     3.7695     1.223     -1.7255
  0.56066   -1.5956     3.3289    -0.59586    2.8234    -2.9404
  1.8016     0.049014  -1.1906    -4.5006    -3.0223     1.5232
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 -0.095482  -0.46299   -4.0478     1.8906     3.6373     0.02659
 -1.0177    -3.9178     1.1964     0.91164    4.088      2.0649
 -4.78      -4.5528    -0.35708    3.4339    -5.6766    -1.157
 -1.9994    -0.90106    0.67482   -2.7747    -1.1618    -0.80753  ]
officials [ 0.060564  2.0497   -3.6695    2.9276    5.3819   -0.59062  -5.6202
  3.739     0.37092   0.28767   1.953     1.6064   -3.8546   -3.6302
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 -4.8387   -1.3191    1.646     1.5455   -1.8641   -0.75336   0.40781
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  0.077597  1.0185   -7.1683   -0.70409   2.3444   -2.5225   -3.8855
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  5.732    -0.41708  -2.7059   -2.2716    4.3665   -0.69896  -5.8889
 -9.8762    0.18872  -0.056906 -3.0441    3.8873   -4.034     0.8548
  1.5166    0.062178  2.6       0.13268   0.32262   2.0548   -0.29739
  1.4558    5.3277   -5.2625   -1.3823   -6.8302    2.9476    1.3522
 -3.9703    0.33223  -0.66572   0.6961   -5.8512   -1.6542    2.832
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  2.4703e-01  3.9579e+00  2.8136e+00  2.7028e+00  3.5230e+00 -3.2905e+00
  3.9175e-01  1.7529e+00 -6.0646e-01  3.4809e+00 -4.5352e-01 -5.9684e-01
  2.2285e+00 -3.2162e+00  5.2026e+00 -5.1226e+00  2.8061e+00 -1.5861e+00
  2.3640e+00  3.0377e+00 -1.7423e+00  1.2133e+00 -4.2514e-01 -1.0889e+00
  1.2036e+00 -2.6757e-02  8.6129e+00 -3.5119e+00  1.8347e+00 -3.9370e+00
  8.3051e+00 -4.6801e-01  6.1475e+00 -6.6926e+00 -7.9862e+00 -1.1655e+00
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 -1.0333e+00  2.8395e+00 -1.3506e+00 -1.8105e+00 -2.3251e+00  2.7186e+00
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  2.7086e+00  1.2783e+00  3.3337e-01 -3.4025e+00 -1.0738e+00 -4.8304e+00
 -6.2818e-01  1.6070e+00 -1.4800e+00 -1.8573e+00 -4.3545e+00 -3.3915e+00
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  3.0943e+00  6.7396e+00  3.3942e+00 -6.3532e-01 -1.9611e+00 -3.1689e+00
 -2.4019e+00  5.8411e+00 -2.7621e+00  1.0818e+01 -1.4966e+00  2.3080e+00
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 -8.0165e-01 -1.1157e+00 -8.8440e-01  2.0200e+00 -4.6287e+00 -5.8396e+00
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 -4.9137e+00 -4.7597e+00  1.7121e+00  3.3000e+00 -2.2413e-01  4.4165e+00
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  1.4532e-01 -2.6961e+00 -4.0515e-01  1.4994e+00 -3.0947e+00 -6.4079e-01
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 -3.2393e+00  4.3074e+00  2.0986e-01 -4.6166e+00  4.7885e+00 -1.1136e+00
 -7.9842e+00 -2.3572e+00  1.6336e+00  1.5513e-02  4.8896e-01  8.2689e-01
 -2.7906e+00 -6.2006e+00 -1.2526e-01 -6.8303e+00  1.9349e+00  9.1612e+00
 -2.8520e-01 -1.4820e+00  4.7571e-03  2.8518e+00  2.1418e+00  7.5937e-01
 -3.0903e+00  6.9134e+00 -6.1424e-01  2.1704e-01  2.2517e+00  8.2394e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
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  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
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  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
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  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
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 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
Secretary [-0.84862  -1.5496    2.6838    1.3588   -3.6394    0.29423  -3.973
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  1.3903    0.47452  -0.66005   1.7228    5.8776   -0.59732   1.4739
  3.5317    1.4851    2.1403   -0.095114 -1.8013    4.8936   -3.9132
  1.482     3.2644   -0.39792   1.5172   -0.77473   3.7126   -2.6103
  2.7547   -5.0824    0.6233   -0.97164   1.0761    2.0496   -4.0802
 -0.41281   3.2104    1.0732    6.7097   -3.9472   -2.1588   -1.7952
  5.693     2.2617    6.0996   -4.4995   -2.7352   -0.28773   2.2875
  0.84199   1.189    -2.6094    3.7207   -4.1264    2.7684    2.2449
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  1.6932   -1.4193   -1.8829   -1.3608   -0.13079  -3.621     4.0711
 -8.4531    2.4193   -2.753    -2.2034   -4.5346   -5.5421    2.2703
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 -3.784     1.2007   -2.2262    1.7356   -6.0255   -0.66844   1.1662
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  3.5289    2.3796    0.041016 -0.13433  -1.0142    0.5378   -3.3628
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  3.6644    0.10089  -1.4164    4.3323   -0.80853  -4.3609   -0.87558
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of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
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  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
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   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
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 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
```

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  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
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  2.0079e+00 -2.1487e+00 -2.5767e+00 -1.6131e+00  5.7711e+00 -2.4625e+00
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  4.4028e+00  2.2261e+00 -7.2486e-01 -2.7978e+00 -9.0046e+00 -1.0573e+01
  5.7505e+00  4.1405e-01 -3.0097e-01  8.6225e+00 -1.7373e+00 -8.0771e+00]
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   4.8812     3.5292    -8.566      2.6971    -0.069463  -2.6916
   7.1875   -12.072      6.6128    -2.7805     4.0383   -13.224
  -6.6133     0.71981   -4.2057     2.6999     0.46916   -5.5086
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  -4.15     -25.151     -6.8561    -2.96       2.1339     0.97768
   8.0443    -0.84752   -1.313     -3.1546     3.7657     7.9994
  -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
   1.6884     6.4194     4.2471     0.99829   -4.3103    -2.7644
   9.5779    -6.4278     3.0096    -6.8325   -12.983      5.1065
   3.4582     1.4       -9.0537    -6.3843    -7.7083     2.4973
  -2.7985    10.036      0.51554    3.7998    10.056     -2.0603
  -0.11334   -5.1983     1.7585    10.259     -0.17789    4.286
   6.5564     6.733     -3.124    -17.44     -12.351      1.5846
   0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
  -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
  -5.4211     3.0427    -4.9335    11.522      1.3528    -3.6276
   0.86034   -2.0012    -2.8312   -10.816      1.5776    -6.0255
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  -1.661     17.208     -7.7206     0.54176   -2.4799     4.1986
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   2.6241    -1.2159     6.4726     3.8124    -3.64      -0.42333
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   3.6122    -4.1616    12.123      0.64861   -0.49947    2.1249
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   7.8008    -0.54092   -1.8868    -0.57764    3.9646     3.3179
   1.0625    -3.7314    -5.3262    -4.232     -2.2041    -2.1869
   2.1504    -5.8741    -2.2944    14.575     -9.0236     0.049818
  -8.6919   -13.624      2.1128     5.1577     1.5895     0.74051
  -7.789     -6.6583    -4.5001     7.34       8.6042    10.186
   6.6701    -2.1674    15.823     -0.32241    6.8083     4.3367
   6.5724    -6.4115    -3.4879    -3.0151     3.1908    -6.1925
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  -6.6443     8.3807     0.56297   -6.6554     6.3858    -6.0566
   9.4062     1.0888    -6.4795    11.235      5.2794    -5.6031
  -4.9794    10.585      7.7599     0.53914    4.7885     3.8644
 -11.891     -4.8493   -11.071     -2.983     -1.2024    -4.7681
  -5.6201    -1.5833    -1.4416     1.8468     5.1324   -10.322
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   4.9287    -4.3766    -2.6984     6.8118    -1.9098    -6.5109  ]
principal [-1.9157e+00 -1.7580e+00 -7.6789e-01 -8.4733e-02  2.2655e+00 -4.8993e-01
  6.5106e-02  6.9322e-01  9.4338e-02 -2.7353e+00  4.8035e+00  2.5168e+00
 -3.6643e+00  9.4222e-01 -1.8881e+00  1.5848e+00  5.6567e-01  2.0199e+00
 -5.9033e-01  1.1683e+00 -1.3428e+00 -2.0308e+00  8.6176e-01  3.2592e+00
  1.4008e+00 -1.0322e-01 -1.7155e+00  9.6566e-02 -5.5860e-01  6.1590e-01
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 -1.0233e-01 -1.4412e+00  2.4315e-01  1.1278e+00 -2.1423e+00  1.3651e+00
  2.7880e-02  9.2562e-01  8.3659e-01 -4.7477e-01  1.3719e+00 -3.0520e+00
  1.6722e+00 -1.9918e+00  7.2879e-01  9.4869e-02  3.9995e+00 -2.5742e-01
 -2.0571e-02 -4.0486e+00  2.3211e+00  4.7636e+00 -6.1340e-01  5.8888e-01
  5.8748e-01 -2.5681e+00  9.2015e-01 -1.9647e+00 -2.6869e+00  2.0720e+00
 -1.2066e-01  2.2375e+00 -9.8700e-01 -1.0902e+00 -1.3266e+00  1.6911e+00
 -1.1562e+00  1.5470e+00 -2.9143e+00 -1.2186e+00  2.1413e+00  3.8250e-02
 -1.9490e+00  4.7535e-01  4.8963e-01  9.8306e-01 -2.7745e-01 -1.1304e+00
 -7.1730e-01  3.9506e-01  7.4899e-01  3.0022e+00  3.0043e+00  6.4406e-01
  1.2436e-02  2.5912e+00 -3.0524e+00  2.5511e+00  2.8098e+00 -1.3009e+00
  1.2117e+00 -2.0625e+00  2.6949e+00  1.7062e+00 -1.6480e+00 -5.8667e-01
  3.9525e-01  7.0774e-01 -7.9194e-01  1.6689e-01 -2.2448e+00 -2.9102e+00
  4.4674e-01 -1.5720e+00  2.2262e+00  2.4705e+00 -4.5873e-01 -8.5905e-01
 -6.1802e-01 -1.4398e+00  5.2531e+00 -3.6198e+00 -2.9317e+00 -6.9956e-01
  1.6997e+00  4.4334e-03 -9.6061e-01  9.0133e-03  1.3790e+00  8.9939e-01
  5.5719e-01 -1.1509e+00 -8.7703e-01  3.1168e+00  8.4695e-01  1.7041e+00
  3.2068e+00  5.6934e-02  1.0823e+00 -1.9386e-01 -1.4289e+00 -1.8519e+00
  2.0942e+00  1.0211e+00  8.4099e-01  2.2145e+00 -1.2361e+00 -9.2731e-01
 -4.0966e-01 -4.7064e-01 -3.0485e+00 -2.2995e+00 -2.8107e-01 -2.5978e+00
  2.5499e-01  6.3598e-01 -2.0313e+00 -5.6903e-01 -1.3548e+00  1.0444e+00
 -1.3010e+00 -3.0361e+00  1.2788e+00 -2.8757e-01  2.4989e+00 -8.4180e-01
  1.4084e+00  1.3692e+00  1.9800e+00 -5.7868e-01 -2.7512e+00 -5.0645e-01
 -1.7294e-01  4.0401e+00  3.2587e+00  1.9169e-01  1.2834e+00 -2.1765e+00
  2.1587e+00  1.0990e+00 -5.3358e-01  4.2284e+00  2.3756e+00 -2.8617e+00
  5.5950e-01  2.0518e+00  1.8388e+00  3.8539e+00 -3.0116e-01 -4.3120e-01
  2.1024e+00  8.8509e-01  1.4512e+00 -2.9412e+00  1.9709e+00 -3.4475e+00
  3.3634e+00 -1.5817e+00 -7.4655e-01  1.8732e+00  2.6589e+00  1.2454e+00
 -1.2860e+00  1.6614e-01 -1.6573e+00  1.2540e+00 -9.5434e-01  2.1882e+00
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 -5.5671e-02 -8.4942e-01 -3.4590e+00  4.3120e-01  2.6469e-01  2.3696e+00
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  2.5012e+00 -2.1104e+00  4.7622e-01  1.2565e+00 -1.3055e+00 -5.4779e-01
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  1.5163e+00  1.2170e+00  3.3893e+00  2.5615e-01  4.0421e-01  1.7518e+00
 -3.1451e+00 -3.3320e+00 -9.7258e-01  4.5902e-01  4.3681e-01 -1.2244e+00
 -2.5059e+00  4.5486e-01  7.2581e-01 -3.7393e-01  5.0103e-01 -9.3906e-01]
staff [ 2.6586e+00  2.3554e+00 -2.3545e+00 -2.4081e-01  5.8821e+00  4.4344e-01
 -5.1317e+00  5.9798e+00 -2.7121e+00 -1.1949e+00 -9.1651e-02  8.7556e-01
 -2.6436e+00  2.6902e+00 -8.2653e+00 -7.7932e-01  1.4420e+00 -1.0062e+00
 -3.8197e+00  5.5256e+00  1.3686e+00 -5.8087e+00  1.0152e+00  5.1391e+00
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 -1.6652e+00  1.1932e+00 -4.2000e-02 -1.1811e+00 -1.4616e+00  3.0353e+00
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```

```
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  1.3848e+00  5.8985e+00 -6.1745e+00  4.4821e-01  1.5249e+00  3.0628e-01
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 -2.8402e+00 -3.3416e+00  4.0808e+00  5.2644e+00  3.3349e+00  2.3765e+00
  2.1241e+00  1.4588e-01  1.5727e+00 -9.6517e-01 -1.5090e+00  5.7115e+00
 -7.0625e+00 -2.4673e+00 -2.2037e+00  3.0968e-01 -1.3899e+00 -1.3324e+00
  1.9609e-01  7.1457e+00 -3.3448e+00 -4.8079e+00 -2.1034e+00 -8.5505e-01
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  6.2946e+00 -1.6812e+00  3.4406e+00  3.3659e+00 -3.7223e+00 -2.5104e+00
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  3.8879e+00 -4.5582e-01 -1.2022e+00  1.1912e+00 -3.1310e+00  6.4435e+00
  4.5673e-01  2.2744e+00  2.5555e+00  3.4885e+00 -6.1201e+00  1.1739e+00
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 -4.8946e+00  1.0288e+00  3.8833e+00 -6.7105e-01 -3.7158e+00  1.1995e-01
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 -6.1588e+00 -4.7380e+00 -2.6687e-01  6.8451e+00 -7.7141e+00 -1.8632e+00
 -1.6676e+00  8.9888e-01 -3.8434e+00 -3.1660e+00 -5.3579e-01  5.8285e+00]
assistants [-1.6818    0.70736  -2.4459    2.2443    2.1691   -1.4057   -2.4905
  2.7428   -1.8075   -1.5938    2.8231    1.0173   -3.7116    1.9303
 -1.0737    1.3908    1.9036    1.2349   -1.5339   -1.2753   -0.25366
 -0.67157  -0.96149   2.4634    2.9989   -2.0567   -2.6647   -0.71739
  2.9539   -2.9738   -0.72607  -0.62116  -1.3354    0.38063   0.23225
  2.6063    0.083198 -2.571     2.6961   -0.035433 -0.94728   0.94086
 -2.64      3.3827   -1.7367    0.72375  -0.22578  -3.691     0.36205
 -2.8246    1.0158    0.98142   1.2791   -3.8617   -0.44172   3.0031
 -2.0888    0.33546  -0.2963   -2.5724    0.048821  1.567    -2.4768
 -0.21852   3.3839   -0.31481  -2.4818   -3.9844    1.6236    2.0337
  1.1432   -0.70491   2.1329   -0.35382   0.34717  -0.70427  -4.0939
  2.5665   -3.5502   -0.9121   -2.8802   -2.5361    0.036647  2.2081
 -3.0552    1.6778   -4.2681   -1.2924    1.0074    0.17753  -1.5271
  0.61156   0.13158   0.33969  -0.89179   1.6944   -1.4806   -3.1586
  4.7806    2.8713    1.9559    0.53733   1.4438    1.6723   -0.5981
  2.3425   -1.05     -1.4165    2.6185   -2.9846    3.1692   -0.41608
  0.9486   -0.69121   0.092134  0.26192  -2.5093    2.1627   -0.69506
 -4.1395   -4.7034    0.64915   1.654     0.39433   2.6136   -2.5608
```

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 -0.20909  -0.905     3.5137   -1.4935   -1.9139    0.18559   3.8291
  1.7533    1.4442    0.57729  -2.3269   -1.4438    4.3429   -0.12667
 -1.9764   -0.33755   0.14327  -0.42801   2.9207    2.3139   -3.0629
 -1.5176    2.8129   -0.72566   2.7728   -0.62528   2.5268    1.9912
 -2.8819   -2.9232    4.4727   -1.0441   -1.5471   -6.0185   -2.7377
 -0.59758  -0.075574  1.0033    0.63603   0.49768  -5.8231    1.2215
 -1.1016   -0.44292   0.55617  -2.1207   -1.9794    2.8324    4.3641
  0.76959   0.88611   0.53632  -1.7867   -3.783    -4.7425    0.88517
  0.51834  -0.11521   0.075146  0.26438   0.40197  -2.0517   -1.2799
  2.0127    0.31443   0.30323  -0.57676  -0.16056  -1.7552    1.0132
 -2.5182   -1.245     2.0876   -0.04814  -1.2878   -0.586     0.75807
  1.0129    3.8701   -0.28091  -1.0204    2.3126   -1.1111    1.7241
  0.016596  0.2955    1.6448    3.8866    0.60125   2.2745    2.7566
 -4.473     0.70288   1.293    -0.71275   0.19022  -0.83896  -0.96948
  1.4304    0.5565    0.75572  -1.8167   -0.44184   0.52397  -0.33008
 -0.8609   -0.95772   0.073311  3.746     1.1936    0.35864  -0.99499
 -2.654     1.3226   -1.029    -0.48295   2.1254    0.097545  0.99735
  1.4493   -1.157     0.44772  -0.38824   3.59     -1.069    -1.9078
 -1.7141   -2.7596   -1.5455   -1.2785    1.1783   -3.521     1.2467
  2.0103    0.48159   2.2858    0.21907   0.32726   2.5383   -4.9702
  2.0001    0.54493  -0.82164   0.67288   1.0444    4.8097   -1.1416
 -0.35793   1.8309   -1.8905   -0.11777  -3.313    -2.713     0.91351
  3.6741   -0.55304   1.9885   -2.7896   -0.036304 -2.4175   -1.451
  4.9869   -6.3005   -2.1075   -0.085318  0.7712   -4.3336   -1.2174
 -1.8412   -1.3954    0.32416  -1.5074    0.37697   0.39301 ]
” [ 3.4795e+00  2.5236e+00  4.1156e+00 -8.6533e-01  1.7935e+00  1.0307e+01
  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
  5.6221e+00 -2.1393e+00  2.2315e+00 -9.0514e-01 -2.4562e+00  3.5317e+00
  9.1204e-02 -3.3242e-01  2.9498e+00  7.2433e+00  7.9996e+00 -7.1088e+00
 -9.5325e+00 -9.3627e-01  9.4870e+00 -6.4368e+00  1.2151e+00  1.5027e+00
  4.6071e+00 -8.4831e-01 -1.1600e+01 -1.0910e+00 -1.2449e+00 -6.3010e-01
  7.2863e+00 -1.2668e+01  5.1070e+00 -1.8290e-01  5.6010e+00 -1.0392e+01
 -4.4515e+00 -2.7056e+00 -7.4310e+00  3.1905e+00  4.6635e-01 -6.5661e+00
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  1.0651e+01  7.1255e+00  6.5455e+00 -7.4957e-01  2.6581e-01  3.8996e+00
 -3.6999e+00 -2.1901e+01 -8.6685e+00 -3.6633e+00  4.4888e+00 -2.1993e-01
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  8.8199e+00 -4.2749e+00  1.3008e+00 -6.0224e+00 -1.2686e+01  6.8175e-01
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 -3.0304e+00  6.1217e+00  6.5384e+00 -1.4904e+01 -5.2084e+00 -6.0792e-01
 -4.8602e-01 -1.4743e+00  4.8695e+00 -3.7248e+00  9.3506e+00 -1.2180e+01
 -2.6309e-01 -3.6486e+00  4.7180e+00  2.2564e+00 -2.4257e+00 -2.9764e+00
  7.0483e+00  1.0542e+00 -1.9687e-01 -6.0197e+00  2.5798e+00 -2.4096e-01
  2.5070e+00  1.6523e-01  1.1344e+01  2.2004e+00 -3.5661e-01  3.8837e+00
  1.0285e+01 -4.8146e+00  1.0027e+00 -2.6547e+00 -6.4866e+00 -3.9228e+00
 -8.4833e-01 -8.3610e+00  6.2480e+00  1.0459e+01  4.0744e+00 -8.4165e+00
  3.1059e+00  2.0860e-02 -6.8428e+00 -5.9755e+00 -6.5472e-01 -1.1035e+00
```

```
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 -1.8704e+00 -4.0501e+00 -6.7260e+00 -4.6223e+00 -4.1798e+00 -6.2968e-01
  4.1919e+00 -5.3299e+00  3.1098e+00  8.7561e+00 -8.0424e+00  1.0406e+00
 -6.6298e+00 -9.4235e+00  8.0674e-01 -6.1235e-01  2.5982e+00  1.1080e+00
 -1.1755e+01 -5.3036e+00 -2.8683e+00  8.3945e+00  9.9480e+00  1.0722e+01
  1.6034e+00 -3.7476e-01  1.2906e+01 -2.9080e+00  3.7212e+00  7.1736e+00
  2.5607e+00 -5.7656e-01 -3.6217e+00  1.5660e+00  4.1166e+00 -4.3169e+00
  7.5750e+00  5.2154e+00  2.2045e+00  1.4058e+00 -5.2702e+00  9.4434e+00
 -5.5191e+00  4.9096e+00 -1.7164e+00 -5.8909e+00  7.1390e+00 -6.4549e+00
  5.8741e+00 -2.5307e+00 -6.7969e+00  7.4086e+00  6.1187e+00 -2.3032e+00
 -1.1291e-01  1.0138e+01  1.3088e+00  1.8605e+00  3.0451e+00  6.2581e+00
 -7.9733e+00 -3.0602e+00 -9.9866e+00 -9.8142e-01  7.3688e-01 -3.0924e+00
 -5.0566e+00 -2.0011e+00  6.0797e-01  5.6577e-01  5.3224e+00 -9.1434e+00
  6.0967e+00  2.6622e+00 -5.7625e+00 -2.1923e+00 -3.2738e+00 -1.1584e+01
  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
- [-4.2436e+00 -2.4624e+00 -5.8211e+00 -3.0573e+00  6.4241e+00  4.2412e+00
  6.5586e+00  6.5959e+00  2.1048e+00 -1.3947e+01  1.2336e+01 -4.3091e+00
  4.3292e+00  5.1032e+00  2.9394e+00 -2.7538e+00  4.9503e-01  4.8197e+00
  2.4644e+00 -5.0922e+00  5.1756e+00  2.8907e+00 -4.9801e+00 -1.6063e+00
  2.2115e-01 -3.2183e+00  4.2111e+00 -5.0303e+00  6.0272e+00  8.1795e+00
 -1.2471e+00 -1.6400e-01  1.9700e+00 -3.6731e+00 -6.0678e+00 -3.4675e-01
 -7.5356e-01  2.9946e-01  1.6212e+00 -1.8355e+00  3.1572e+00 -1.3518e+00
 -2.5811e+00  6.7979e+00 -4.5463e-01  7.6206e+00 -5.6156e+00 -1.2204e+00
 -3.0595e+00  7.2412e-01 -7.7428e+00  2.2759e+00  1.4131e+00 -6.6960e+00
 -2.7098e-01  6.2229e+00  6.8167e+00  7.9928e+00 -1.4961e-01  5.8629e+00
 -7.2392e+00  2.7923e+00  5.4444e+00  6.9627e-01  1.4396e+00  9.7880e+00
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  3.3486e-01  5.4719e+00 -4.2054e+00  6.1416e+00 -4.3186e+00  1.6768e+00
  1.2691e+00  3.0759e+00 -1.3132e+01  8.1819e+00  8.6448e+00  1.8702e+00
  3.2205e+00  7.9501e-01 -6.8794e+00 -8.8694e+00  2.8747e+00  5.8124e+00
  6.6590e+00  2.9819e+00  6.7884e+00 -7.6723e+00 -8.4617e+00 -3.9733e+00
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  2.9597e+00 -3.7168e+00  6.6480e+00 -9.4516e-01  3.2384e+00  4.8572e+00
 -3.1129e+00 -3.5626e+00 -3.8826e+00 -4.1394e+00 -8.1178e+00 -5.6774e+00
 -2.5047e+00 -5.1250e+00  6.2159e+00 -3.0650e+00 -2.4752e+00  5.3642e-01
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 -1.4212e+00  4.9375e+00  4.9902e+00  6.8248e+00 -2.2177e-01  7.8411e+00
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 -4.2783e+00  6.2282e+00 -5.1861e+00 -6.3188e+00 -9.5631e-01  6.3606e+00
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  2.7678e+00  3.4866e+00 -7.7537e+00 -3.6284e+00  4.8491e+00  2.9604e+00
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 -2.4640e+00 -1.1077e+01  4.5494e+00  3.2639e+00  2.4442e+00  1.7159e+00
 -4.6980e-01 -2.2084e+00  2.6871e+00  3.3378e+00  1.0456e+01  4.9331e+00
  2.8497e+00  6.3686e+00  3.7204e+00 -3.3619e-01  2.0442e+00 -4.2170e+00
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 -1.9688e+00  2.1909e+00 -3.5358e+00  3.8738e-01 -5.4106e+00  4.3067e+00
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 -5.4257e+00  1.6496e+00  4.0103e+00  2.0190e+00 -1.7500e+00 -6.1902e+00
```

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  3.0031e+00 -5.4631e+00 -6.7658e-02  1.2618e+00  6.1451e+00 -7.9367e+00
 -1.1579e-01 -2.0288e+00 -3.6891e+00  3.3621e-01 -2.2453e+00 -3.1865e+00
  4.4028e+00  2.2261e+00 -7.2486e-01 -2.7978e+00 -9.0046e+00 -1.0573e+01
  5.7505e+00  4.1405e-01 -3.0097e-01  8.6225e+00 -1.7373e+00 -8.0771e+00]
along [-4.3966e+00  1.8291e+00 -6.0667e+00 -2.5044e+00  2.4464e+00  1.4561e+00
  2.6493e+00  5.5378e+00 -4.4051e-01  2.5752e-01  2.5483e-01  1.7223e+00
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 -1.7402e+00 -3.4969e-01  8.1364e-01 -1.3933e+00 -1.5096e+00  1.7263e+00
 -1.7748e+00  1.3952e+00  7.2149e-01  2.6965e+00 -1.2167e+00 -5.4139e+00
 -5.4526e+00 -1.9547e+00  3.4322e+00  2.2190e+00 -5.9713e+00  2.7833e+00
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  2.1190e+00  2.4878e+00 -1.6231e+00 -1.4062e+00 -1.2632e+00 -4.6885e+00
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  2.1071e+00 -2.0565e+00  2.9844e+00 -1.6823e+00  4.2059e+00 -1.1212e+00
  2.5814e+00 -1.3760e+00  3.7121e-01 -4.9711e-01  4.9997e+00  2.7990e+00
  1.2108e+00  3.4907e+00 -2.9610e+00 -2.9684e+00 -6.6574e+00 -1.6510e+00
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 -2.8078e+00  4.1059e+00 -2.1297e+00 -1.2054e+00 -5.2662e+00 -3.3828e+00]
with [-7.3029e+00 -1.8444e+00 -7.6674e-01  2.9710e+00  8.2274e+00 -2.3815e-01
 -3.7484e+00  7.4250e+00  2.1094e+00  2.6460e+00  3.4193e+00  1.2949e+00
 -3.7891e+00  1.8922e+00  5.7313e-02  2.2486e+00 -2.6073e+00  2.4729e+00
 -4.7082e+00 -2.0890e+00  1.7650e+00 -2.7928e+00 -1.7405e+00 -2.2023e+00
  9.6628e-01 -1.6627e+00 -5.3952e+00  2.6574e+00  3.2853e+00 -4.1086e+00
```

```
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 -1.4234e+00  5.7212e+00 -8.8475e-01 -1.5786e+00  3.2100e+00 -1.3317e+00
  1.1137e+00 -1.5295e+00  1.2745e+00 -8.0234e-01  3.1163e+00 -1.8311e+00
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 -2.6433e+00  4.8732e+00 -5.2118e-01  7.2340e-01 -1.6987e+00  4.3147e+00
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 -1.2726e+00 -3.3529e+00  3.5800e+00  5.2774e-01 -2.2151e+00 -1.4871e+00
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  5.6537e+00 -4.4464e+00  2.5996e-01 -4.5442e+00 -2.2041e-01 -3.5990e+00
  3.8077e+00  5.0136e+00 -8.4176e+00  2.1069e+00 -1.0381e+00  2.6416e+00
  2.8737e+00  5.3929e+00  3.7513e+00  3.3702e+00 -3.4719e-01  8.9511e+00
 -2.6634e+00 -6.0964e+00 -5.5279e+00 -2.1439e+00  2.9768e+00  4.3644e+00
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 -5.3439e+00 -4.6485e-01 -2.0114e+00  7.8488e+00 -1.0515e+00  1.3346e+00
 -5.6395e+00  1.5685e+00  3.7942e+00 -2.0800e+00  2.9340e+00 -9.0757e-01
 -2.9519e+00  5.0123e+00  1.7248e-03  5.2844e+00  2.0522e+00  2.2142e+00
 -2.4284e+00 -1.2283e+00 -2.0751e+00 -2.1289e+00 -9.5969e-01 -1.5780e+00
 -1.4898e+00 -1.3263e+00  2.2644e+00 -9.5998e-01 -3.9163e+00 -9.4387e-01
  4.7260e+00 -2.7610e-01 -3.7511e+00  9.4140e-02  6.2245e+00  3.5532e+00
  9.0030e+00  2.2473e+00  3.4429e+00 -1.0572e+00 -5.3148e+00 -6.2408e-01
 -1.3640e+00  2.3960e+00 -5.3993e+00 -1.0270e+00 -2.3569e+00 -2.2414e+00
  8.3295e-01  1.3915e+00 -2.1925e+00 -6.7603e+00 -4.3119e+00 -2.4465e+00]
representatives [-2.4325   -0.81968  -1.6591    0.12047   3.9936    0.97375  -1.6391
  1.3829   -0.84306  -2.4686    3.6148    1.5284   -3.352     0.81584
 -1.5189    4.0823   -0.22222   1.4641   -2.0294    0.10273  -1.8137
 -1.9128   -3.174     2.2203    2.3478   -0.48396  -1.3222   -0.27334
  0.65596  -2.9805    2.4154    1.5744   -2.038    -1.5694   -1.306
 -0.33563  -0.53959  -1.2319   -1.4837   -0.83807  -0.65389   1.1812
 -1.6539    3.8704   -1.3699    0.52383   0.61273  -2.3676   -1.4783
 -0.94327  -0.25122   3.4096    1.7057   -2.0922    0.17078   1.7286
 -3.8069    0.97794  -0.10339  -2.8385    0.98967  -2.3672   -1.0122
  1.3459    3.1949    1.16     -3.0666   -3.7463    1.9917    3.9735
  0.95383  -1.0364   -0.33093   1.2064   -1.5625    0.019082 -1.3492
  4.5334   -2.39      1.6235   -3.2583   -0.46844  -0.20039   1.7486
  1.1184    1.1879   -2.7042   -1.9649    1.7014   -1.7066   -1.6893
  1.0295    1.0171   -0.57357   1.4159    2.6476   -1.2488   -3.9782
  1.0983    2.7734    4.4295    1.3065    2.4279    2.9243   -1.4341
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-1.3956   -2.7951   -0.68471   0.53707  -0.33772   1.0241   -2.1122
-1.6317    1.692    -0.66281   4.2244   -0.030407  0.051035 -3.9536
 1.4219   -2.8382    4.608    -2.2301   -5.1852   -0.95649   5.1745
 0.71441   0.57662   0.83433  -1.6159    2.6526    0.28522   0.15642
-0.67324  -0.48199   0.81169   3.0372    2.3201    0.85301  -2.148
-0.95641  -0.1337    2.6624   -0.12813   3.2706   -2.1727    2.1751
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-1.7389    0.074566  1.4761   -1.2664   -1.0572   -5.749     1.8469
 0.60597  -0.8167   -0.88332  -1.5018    0.17488   0.035618  1.6677
 3.4308    0.42004  -1.9616   -2.5508   -2.3738   -0.84831   0.96126
-0.4849    0.85101   1.0039    1.7242    1.9479    0.83469  -0.41541
 2.9956   -0.71691  -2.7329    0.022705  1.6181    0.75456   1.7966
-3.8703    0.054307 -1.4105    1.6303   -0.61283  -2.6735    1.5419
 0.65801   4.6231   -0.35964   0.66037   1.6795    0.39171   0.11791
 0.6134    0.75951  -1.0326    1.6805    2.5158    2.006     1.4482
-3.1367    0.75356  -0.11347  -1.8686    3.1512    0.26673  -0.10579
-2.8636    0.48968   1.1589    1.5966   -0.051515  0.36393   0.91807
-2.4615   -0.23833  -0.35073   2.1822    1.6831    1.4663    1.1388
-0.12059  -1.2724   -1.4726   -0.52013   0.75873   0.89224  -1.0957
 0.85861  -1.1344   -1.468     1.0722    2.7302   -1.0348   -4.5372
-4.4545   -0.9866    2.4414   -3.7097    2.8802   -1.7188    2.1146
-0.064805 -0.16358   2.2051   -1.5505    2.8346    2.5333   -0.463
 1.3646    1.0973   -3.6553   -0.032051 -2.6288    2.594     1.6492
-4.2428    2.8403   -0.14709   1.9855   -4.0978   -2.413     2.9602
 2.7905    0.13737   3.9884   -2.0123    0.33942  -1.4058    1.7019
 3.4504   -0.88524  -1.4568    1.0369   -0.43774  -4.9443   -1.1266
-1.9663    0.87551   0.11472  -2.862     0.12226   0.12219 ]
from [ 0.45435   -6.0338    -1.8677    -1.8194     8.5512    -0.066354
 1.1344     6.1554     1.8423    -3.7488     4.1551    -2.0752
-6.7001     6.8146     0.75662    5.0076     1.4678     3.4866
-0.6737    -5.9844    -3.8209     0.9157    -0.30408   -1.7836
 2.7465    -0.051137  -3.7787    -0.49766   -2.6815     2.9997
 0.98826   -2.9207    -0.86842    0.38161   -3.6931    -4.518
-2.8422     2.5726    -0.92872   -4.5026    -5.0273    -3.9558
-6.0478     0.41429   -3.2481     0.32927   -4.0945     0.45288
 0.16902   -0.18958   -1.2065     0.48687   -7.7143    -8.6508
 0.29102   -1.9913     0.51322   -2.2218    -0.94501    1.7085
-7.4646    -1.4759     2.9785     1.9929     6.1194     5.7424
 3.1345     2.995      1.142     -1.0094    -0.2874    -3.6443
-4.1093    -1.0863     2.3179    -4.4463    -4.7228     3.24
-4.1546    -2.8496    -3.8291    -0.18533    3.4827    -1.0415
 9.2828    -1.5115    -2.6162    -2.6694     1.967     -0.40506
-0.71038    6.9597     1.666      4.1158     3.8476     3.4865
-1.0254    -0.2148     1.0231     1.002      5.9324     5.1235
 0.48297    3.2595     0.59549    1.917     -1.1959    -5.2065
-2.267     -5.3119     4.9902     1.9982     0.066939  -3.1749
-1.1902    -1.2872     1.7977    -0.29575    2.9642    -5.847
-3.1275    -3.9087     0.63162    0.77642   -0.88426   -2.3827
-0.73424    2.5595     4.6701     0.58206   -0.65878    1.8592
 6.0223    -4.0874    -0.25729   -1.8343    -0.83329    3.0527
-0.78573   -1.287     -3.0321    -1.9253    -4.5471    -1.4212
 1.5144     1.7483    -4.0746    -0.93057    4.1949    -0.23938
-1.9944    -3.9611     2.2508     1.6456    -5.3786    -3.4742
 4.0882     2.6979     1.4979    -0.14437   -0.92788   -4.3756
-0.11451    4.3656     0.45858    1.0107    -8.2391     2.7853
-1.6293     3.918     -6.4718    -1.3683     2.5064    -1.9168
-2.5947     0.017869   2.8477    -2.369     -2.3404    -5.3634
-3.4722    -1.9456     4.0965     0.52581    0.95218    1.0401
 2.2528     4.7594    -2.5238    -1.9688     1.8668    -6.675
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  0.72216   -7.4817     0.57392    3.6762    -3.5326     0.0099544
  0.22811    1.7978    -6.3721    -5.9739    -0.46848   -3.4785
  4.7141     1.5309    -7.1158     5.5769    -0.221      1.4678
 -1.6857     6.0699     3.337      0.87578    1.7247     6.0363
 -3.815     -4.7909    -5.556      1.2171    -0.18325    0.60824
 -3.4808    -0.55641   -1.4235     2.1842     1.3963     8.8607
  0.95726    0.27505    6.7149     1.1488    -0.63757    1.1138
  2.7879     1.9231     0.35985    0.76135   -4.7289    -2.8867
 -3.0123     0.68436    5.7467     0.3088    -3.7261     3.3003
 -2.4724    -0.31786   -2.3727    -0.044507  -1.0374    -8.2323
 -5.9621     2.182      1.1327    -2.5142     7.4382     2.8616
  0.11374    1.5995    -0.98251    6.5535    -1.2715    -5.2879
  6.6152    -3.6179     0.5123     2.7378     1.1277    -0.5008
  3.2373    -1.1137     1.6336     3.2062     5.5827     1.5379
  2.8842    -1.0385    -1.5066     1.4072     5.8274    -3.1247
 -1.9541    -0.91968   -3.6556     0.18817   -3.6208     2.3691
  0.19245   -0.16533   -1.9995     3.4293     1.6196     0.75934
  4.7336     4.2969     0.18202   -4.7362     0.74054   -0.2152   ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
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  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
Joint [-0.87933  -1.6467    3.5287    2.4253   -0.10773  -1.1517    2.371
 -3.8317   -0.26233   0.50748   2.4157   -0.98629   0.16227   0.32936
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  5.5677   -0.17843  -1.347    -2.7352   -2.2208   -2.5219    6.0753
  3.0806    1.1771    0.40907   2.1103   -1.1101    4.4266    4.1122
 -0.3412   -2.8813    2.4178   -3.972     0.27789  -3.0682   -0.53578
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  1.5482   -0.10998   4.6311    5.5967    2.4657   -0.6284   -4.5428
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 -2.8394   -3.4041   -0.60385   2.5192   -0.70003  -1.177    -1.9793
  0.1029    3.3225    0.64836   5.3955   -1.0375   -2.0322   -3.2231
  1.1796   -5.7148    6.5235   -3.7355   -8.2182    0.89468   5.3282
  0.55169   1.3598   -1.4515   -1.8923   -0.67048  -5.5355    1.8469
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  1.9251    0.80492   1.5313   -5.4049    2.716     3.9012    5.3038
  1.336     4.3286    1.6295    4.9664   -0.60683   0.72087   0.35858
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 -3.0571   -3.0273   -3.5852   -1.3427   -1.3313    3.6925   -1.9848
 -1.0948    3.6272   -1.0544   -1.0755    3.1042    0.79324   1.514
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 -1.4654    2.2436   -0.10195   3.6428   -0.88964   0.34395   1.2505
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  2.577    -1.8383    1.0297   -3.0249   -0.23369   5.0408   -5.1013
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 -1.9834   -3.966     0.19292   0.18572   5.8085   -1.1345   -2.1494
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  0.60705   3.3486    1.3426   -5.3119   -4.5643    2.3705   -0.19552
  4.9479   -3.9202    3.1394   -0.19351  -3.3262   -1.8802   -1.118
  0.67459  -3.7841    0.65      1.8372    1.9653    0.86697  -3.755
 -5.0416    1.8392    0.046751 -5.9207    3.4873    2.0588  ]
Staff [ 0.75102  -3.2497    3.7005    1.8365   -1.749     1.0065   -5.0291
 -1.9785   -2.0468    0.094969  1.7595   -0.77224   0.49246   1.4315
 -2.2936   -1.5036    1.1762    1.4725   -4.8337    5.5827   -0.7415
 -3.817     1.6391    0.80269   5.5583    3.7943   -4.4818    4.3732
  0.33583  -0.43139  -1.5557   -0.49922   1.6807    1.847    -2.2026
  3.82      0.39418   1.7577   -2.4656   -0.25389   2.4673    1.3169
 -0.39505   0.075821 -3.3646   -1.8748   -1.6637   -4.2728   -0.96003
 -2.3073    0.34864   2.9825   -0.039334 -2.9524    2.0819    5.9147
 -4.0272   -3.1176    1.9835   -1.3274   -2.4802    3.7271   -6.084
```

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  2.2934    0.71224  -1.9168    1.7689   -2.1266    2.5973    5.3056
  3.287    -0.37647   1.2892    0.62479  -0.43919   0.52408  -1.2319
  2.3448   -3.4165    0.075752  0.70967  -1.6019   -3.7632   -2.1447
  0.28865   2.9878   -1.027    -0.038414 -2.8587   -1.1149    0.22249
  1.2223   -0.7049    3.4841    1.0878    1.92     -0.61375  -5.554
  4.5423    2.7845   -0.20689   2.3406   -1.6858   -2.6389   -4.942
  4.3549   -0.24944  -1.7668    1.9056   -3.5354    6.0732   -3.4583
  0.844    -1.5991   -2.7889    1.2976   -3.5334    0.70035   1.1985
 -0.47591   1.567    -0.63382   5.4253    0.44062   5.6702   -1.9687
  0.3919   -0.51412   3.8933    0.10542  -6.6391   -2.5327    2.824
 -0.43561   3.0027   -1.6396   -2.6401   -4.8285   -0.88648  -0.36681
 -0.20188  -1.1067   -7.3164    0.92343   3.771     5.3417   -1.2371
  3.4792   -1.7473   -3.4392    1.7297   -1.4774   -1.7982    0.48546
 -3.3232   -5.3181    2.8613   -3.3251    0.575    -4.3181    1.1296
 -5.3777   -2.6994   -0.40249   2.0174    1.6856   -3.0279   -4.295
  0.24641  -0.90601  -0.35603  -4.9861   -0.56164   1.2483    0.71977
  5.1819    5.5186   -0.9234    0.09439  -1.2267   -0.785     3.3708
 -3.3728    2.393    -0.27213   3.0383   -1.4116    0.52274  -4.0029
 -1.6845    0.94111  -0.33422   0.15935   4.3741    1.2405    1.7621
 -2.6682   -4.5969    1.7235    1.4173   -1.0173    3.2897   -4.7293
  3.7343    2.9226   -1.3201    0.22355   0.90634  -0.63426   6.2558
 -3.1731    1.5436    0.44743   1.7495   -3.3265   -1.0798    1.2122
 -2.0725    7.1732   -1.449     2.1141    0.75334  -3.5428   -1.8546
  3.1052    3.1147   -0.068295 -0.63598  -3.1707    0.19359   2.4593
 -0.62725  -3.5928    2.1011   -2.8407   -3.3059    0.015374 -1.0746
 -3.6532   -1.9389    2.5181   -4.5273    6.051    -1.4747    2.2978
  0.65667   2.2629    0.14219  -2.5789    1.3857    1.7445   -1.1447
  0.61681  -2.6797   -0.52545  -2.986    -1.3088   -1.2703   -0.51795
 -2.4739    0.73263  -2.781     1.1729    5.3304    1.4954   -1.931
  1.2958    1.9209    2.3916   -2.8145   -2.4987    2.7707    0.55081
 -0.61239   1.8053   -0.65787  -4.8464   -0.99705  -1.8124    4.6365
  2.1267   -2.0732    2.2299   -3.583     0.80666  -4.7665    1.639
  3.1034   -1.0763   -3.1099    3.3478    3.5911   -1.6762   -1.8376
 -3.9592    1.639     1.6007   -2.9635    2.892     4.9735  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
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   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
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 -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
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 -6.1607e-01  3.0563e+00 -6.8784e-01  6.4871e+00 -1.2673e+00  1.6958e+00
  9.0437e-01 -2.8787e+00  2.4036e+00  3.1209e+00  5.6566e-01 -2.5053e+00
 -4.0628e+00  2.2434e+00  2.0126e+00  3.9385e-01  1.4474e-01 -5.0945e+00
```

```
  1.2711e+00 -5.2649e+00 -2.9900e-01  8.1350e-02  1.3631e+00 -6.1965e-01
  1.6948e+00 -3.8915e+00  2.0673e-02 -2.1306e-01  3.1456e+00  3.7200e+00
 -2.9656e+00 -1.3729e+00  2.4813e+00  1.1691e+00 -2.0041e+00 -1.2753e+00
 -1.1401e+00  2.0746e+00 -8.7145e-01 -2.1191e+00 -5.9232e-02  4.6784e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
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  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
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 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
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  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
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 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
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 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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```

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  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
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 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
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 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
military [-1.5709e+00  1.0766e+00 -3.1562e+00  4.4333e+00  4.9992e+00  1.3575e+00
 -1.3747e+00 -2.7850e-01  2.0325e+00 -2.7307e+00  4.1980e+00  3.9834e+00
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 -1.2287e+00  7.4188e-01 -1.4091e+00 -6.1161e+00  6.1926e+00 -8.1957e-01
  4.1299e-01 -1.8052e+00  2.2600e+00  2.5608e+00 -7.2836e-01  9.4964e-02
 -6.8438e-01  1.0978e+00  3.9495e+00  1.1618e+00 -4.4968e+00  4.7996e+00
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  2.9351e+00  4.0414e+00 -3.5861e+00 -2.8962e+00  3.2297e+00  3.6680e-01
  6.6105e-01  1.0851e+00  5.0990e+00 -1.9893e+00  2.4944e+00 -2.7885e+00
```

```
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  2.7098e+00  1.0836e+00 -4.7293e+00  5.7608e+00  3.6935e+00  6.5297e-01
 -2.9754e+00 -3.0990e+00  2.5729e+00 -1.5664e+00 -5.6190e+00 -1.8227e+00
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  1.3029e+00  2.1296e+00  1.9092e+00 -3.2390e+00 -7.8739e+00  2.2799e+00
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 -5.5256e+00 -3.0588e+00 -6.0943e-01 -1.1059e+00 -4.5862e-01 -6.6876e+00
 -1.4038e+00  1.3351e-01 -2.0428e+00  3.1672e+00  1.6223e+00  2.2470e+00
  2.8988e+00  4.2163e-01  4.2410e-01  1.3088e+00 -1.3232e+00 -4.6129e-01
 -5.8384e+00  1.9943e-01 -1.7395e+00 -2.1264e+00  9.7283e-01 -1.6069e+00
  1.7865e+00 -6.2156e+00  1.0835e+00  5.3807e+00  1.4593e+00 -5.6497e-01
  4.8291e+00  1.1319e+00 -7.4256e-02 -1.3744e+00  2.8831e+00  1.6566e+00
 -1.2908e+00  5.1842e+00  4.7406e+00  1.7980e+00 -2.9314e+00  9.6018e-01
 -1.9636e+00  1.4370e+00 -1.2256e+00 -3.3396e+00 -4.5422e+00  5.2500e+00]
services [-2.7056e-01 -3.5374e-01 -1.0067e+00  9.1189e-01  4.4364e+00 -2.1614e+00
 -2.7824e+00  2.8251e+00 -1.1711e+00  6.5664e-02  4.8278e+00  1.0707e+00
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 -5.8831e+00 -4.1746e+00  7.1621e-01  2.6489e+00 -3.0463e+00  8.4186e+00
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  9.0970e-01  3.1256e+00 -9.1087e-01 -1.3854e+00  2.5305e+00  4.0656e+00
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  4.1382e-01 -1.8720e+00  1.7015e+00  6.8435e+00  9.5345e+00  8.6772e-01
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  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
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   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
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  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
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  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
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  2.2299    -2.9057     0.71339    2.3024    -1.4724    -2.9287
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 -1.7867     2.2268    -1.0881    -1.0863     1.5932    -3.3852
  4.4679     2.8794     1.638      0.82889   -4.5699    -2.3111
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  0.92318    3.6392     1.225      1.1527     1.091     -2.6818
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 -3.9762    -0.30468    3.0308    -2.7152     4.4234    -3.1437
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   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
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   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
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  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
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 -2.0585e+00  2.2952e-01 -7.9525e-02  1.3577e+00  1.3961e+00 -1.0191e+00
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  5.7153e-01  1.2087e+00  7.4516e-01 -2.0989e+00 -1.3836e-01 -5.6763e-01
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  2.0773e+00 -1.7642e+00  4.4382e+00 -1.8851e+00  5.3467e-01 -9.8248e-01
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  8.0603e-01 -2.8100e+00  3.5711e-01 -1.4107e+00  2.0771e+00  3.2426e+00
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  3.0176e+00 -1.6745e+00  3.0227e+00 -5.5791e-01 -2.1037e+00  1.9804e-02
  2.2691e+00 -4.3266e-01 -1.5032e+00 -7.2248e-03  3.6191e+00 -1.3505e+00
  3.3499e+00  1.2536e+00 -2.3527e+00 -4.7509e+00 -1.7394e+00  8.1328e-01
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 -3.7415e+00 -3.4609e-01  4.2942e+00 -1.4571e+00 -3.3167e+00 -3.1933e+00
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 -3.3379e+00  9.7570e-01  4.4795e-01 -4.0096e+00  3.2959e+00  1.0737e+00]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
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 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
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 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
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  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
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 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
 -1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
 -1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
 -0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
  2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
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 -3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
 -1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
 -8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
 -0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
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 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
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  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
Officials [-0.36586    0.55653    0.89591    3.5896     2.0577    -1.4604
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  3.0242    -4.5958    -1.8164    -1.7095     3.0154    -3.9351
 -0.88517    0.70808   -3.3236    -2.6949    -6.3175     0.23346
  0.58078   -0.050839  -2.0129     0.54446    0.38059    0.1707
  0.30044    1.8314     0.80217   -2.2075    -1.6883     0.90961
 -1.3002     0.26641   -3.6628     4.7631     0.45702    3.0666
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  3.3032    -0.46024    0.058635   3.0099    -3.5702    -3.5423
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 -3.6998    -1.4197    -0.30645   -1.6207    -2.2176    -0.70293
  2.5051     0.91829   -1.6703     0.19553    1.8788     0.0084901
 -2.7114    -0.62448    4.1365     1.4171    -0.51476    4.6739
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 -0.4269    -2.1481    -0.33296    4.9579    -2.449     -3.4569
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  3.2866     1.9212     2.6791     0.52609    0.32013   -0.4393
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said [ -0.67821    0.63517    3.2564     0.37733    3.6469     3.9638
   0.27292    0.21205   -4.1228    -1.0324    -3.931     -1.9908
  -1.6186    -2.0231    -8.0522     2.6226     3.2651    -1.664
   0.81676    8.1923     3.023     -7.989      1.8993    -4.6024
  -0.22139   -1.0552     3.1044     1.9256     3.2816    -3.5314
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  -0.2852    -1.0356     3.5171    -0.31595   -2.416     -1.8666
   5.0452    -7.6967    -1.9256    -2.6184     3.326     -0.15897
  -0.15608    7.7697     3.5203     1.3461     8.1344    -5.0012
   5.2714    -6.0275     3.2455    -0.56927    3.7955    -0.74849
   4.7654     0.21547    0.078135   1.8643     4.6551     0.27815
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  -4.809     -1.3664     1.9771     0.16628   -1.4367     1.4437
  -5.1822    -2.9188    -3.8237    -5.2225     0.20789    5.0164
   2.4247    -0.53282   -4.0232   -10.109      1.4128    -0.82889
  -3.5668    -1.8413    -3.364     -0.99626    4.5522    -1.2529
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  1.8531     6.2672    -5.1217    -7.2558   -11.086     -1.1793
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  3.6679     6.5388     3.6291    -1.5826     2.5973    -1.1381
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  8.2615     1.2859    -1.4237    -3.7295    -2.5698    -0.96861
 -8.6372    -4.9457    -3.5017     2.7698     2.4424    -1.5171
  1.8412     1.8804     0.42064    5.7253    -2.1147    -2.8437
 -2.1173     0.58021   -7.5801     0.78562    5.3082     0.086285
 -0.62317    1.5289     3.8113    -3.5046     0.013797   5.2891
 -4.8427     0.49014    3.2589     4.0782     5.4443    -8.6187
  4.6487    -1.5055     2.1056    -1.1983    -3.9361    -0.87771
  1.3105     7.225      5.382      6.9255     3.611     -2.8444
  6.7163    -1.0992     3.8233     1.518      1.4586     0.11543
  1.8949     2.159     -6.9587    -6.5529     4.2242    -3.6767
 -2.1348     6.1599     1.4292     0.15517    1.6795    -6.2256
 -0.44218    2.6016     0.033856   0.87542   -6.5409     4.9558
 -0.028809  -2.7874    -0.50073   -1.845      1.4872     2.5321
  3.6293     6.5411     3.2586     0.42237    1.4016    -2.8109
 -5.2084    -2.7512    -3.6062     4.0768    -4.462      0.89436
  0.15113   -2.8989     3.9812    -3.6619    -2.6481    -5.4197
 -2.753     -4.4707     2.2379     1.1731     1.8198     0.099536
  1.7237     2.7738     3.2043    -4.9352    -5.1319     4.1869
 -1.1909    -1.7825    -4.5866    -1.1516    -0.62557   -1.7176
  0.31701    0.035141   7.0499   -10.997     -2.2294    -3.318
  0.13928   -1.2849    -2.1121    -2.5563    -3.4184    -0.024208
  4.8414    -4.6892     1.9502     2.3926    -3.4849     1.0265
  1.0523     7.9153    -0.55593   -2.2372     0.4934    -0.15246
  4.9987    -5.5787     1.0173     2.4718     2.0187    -0.87453
 -2.5375    -6.4779     5.7426     1.0854     7.9669     1.7795
 -4.675     -0.83422    1.1653     2.4569    -5.3529    -1.4631
 -5.3443    -1.678     -0.71452    6.45       2.9919     1.1298  ]
they [-3.2771e+00  5.7918e+00 -6.2498e+00 -7.0404e-03 -1.5943e+00  1.0618e+00
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  8.0799e-01  1.3139e+00 -2.9994e+00 -1.4865e+00  4.5193e+00  7.5595e-01
 -2.0145e+00  1.2639e-01 -8.1760e+00 -1.5021e+00 -3.8440e+00 -5.1562e+00
  5.3274e+00 -1.7425e+00 -2.3424e+00  2.5871e+00  6.5623e-01 -3.8972e+00
  5.3741e+00  1.3153e+00  2.7720e-01  3.4853e+00 -1.5677e+00  4.3038e-01
  5.6888e+00 -4.3596e+00 -4.3900e+00 -3.5744e+00 -1.8051e+00  3.1382e+00
 -2.0103e+00 -9.9070e-01 -5.5561e+00  2.9425e-01 -1.0861e+00 -1.4061e+00
 -4.8010e+00  6.2626e+00 -2.6309e+00 -4.9169e-01  1.1530e+00  1.6350e+00
  6.7492e+00 -3.4139e+00 -3.3648e+00 -1.2920e+00 -5.0309e+00 -5.3947e+00
```

```
 -6.3272e+00 -1.6036e+00 -2.9509e+00  1.5056e+00 -7.0007e+00  3.6314e+00
 -3.5179e+00  3.7386e+00 -1.4447e+00  1.2747e+00  8.4485e-01  3.6496e+00
  6.7231e+00 -7.6111e-01 -1.5782e+00  1.1523e+00 -1.8273e+00 -1.3014e+00
 -1.8829e-02 -2.1284e+00  3.5337e+00 -6.2433e-01 -1.9994e+00  8.7150e-01
 -4.0092e+00 -5.4176e+00  7.6963e+00  3.0543e+00  5.0055e-01  3.0625e+00
 -2.4215e+00 -1.0750e+00 -3.0919e+00  8.9062e-03 -6.6257e+00 -7.7343e-01
 -2.3398e+00  6.4378e+00 -2.6487e+00  1.6252e-01  3.9961e+00  2.9432e+00
 -5.2604e-01 -1.0013e+00  1.9455e-01 -3.1363e+00  2.4627e+00  1.2480e-01
  3.2774e+00 -1.5814e+00 -1.1335e+00  3.4016e+00  6.8160e-01  5.7961e+00
 -3.8826e+00 -3.6430e+00 -1.6863e+00 -8.0698e-01 -3.9192e+00  1.8551e+00
 -2.0221e+00  3.7869e-01  2.3891e+00 -3.5905e+00 -3.1472e+00  3.6113e+00
  2.6017e+00  1.5752e+00 -2.6807e+00 -5.6454e-01 -6.6687e-01  1.0681e+00
  4.2736e+00  1.4584e+00 -1.5459e+00  8.4023e+00 -1.1803e+00  1.9107e+00
 -8.4291e+00 -8.7524e-01  4.0009e-01 -1.6365e+00  3.0175e+00  3.3924e+00
  1.8262e+00  2.8938e+00  8.0679e+00  6.0538e+00 -2.9965e-01 -2.3140e-01
 -8.9376e+00  5.3838e+00  1.7902e+00 -5.6730e+00 -2.5693e-01 -3.3168e+00
 -4.7938e+00  5.8946e+00  5.0985e+00  6.5578e+00  4.3662e+00 -1.3270e+00
  2.7639e+00 -1.1565e+00  3.0211e+00  7.2339e+00 -7.9428e+00 -1.4885e+00
  3.3639e+00 -2.5461e+00 -5.8211e+00  4.3131e-01 -2.5534e-01 -2.5824e+00
  5.5300e-01 -5.9283e+00 -2.0661e+00  2.3830e+00 -2.2715e+00 -3.9483e+00
  4.3014e+00  2.0498e+00  2.0768e+00 -1.1807e+00 -3.5322e-01  2.6558e+00
 -1.5700e+00  1.3342e+00  4.3752e+00 -4.0475e+00 -8.5015e-01 -8.4133e-01
 -1.7454e+00  2.7337e-01  1.4788e+00  3.3890e-01 -4.6256e+00  3.8239e+00]
also [-2.5758    2.2934   -1.7223    1.4553    3.1312   -3.848     3.5913
  3.9267   -2.2259   -2.3695    7.5681    2.089    -4.0038   -2.0433
 -0.3355    1.8083    2.5852    4.4787   -2.2444    0.88621   1.9464
 -2.5677   -4.3804   -3.0582    0.57925  -3.5251   -7.6005    2.1784
 -4.3994   -4.8562    2.1111    3.0408   -3.0248   -0.67369  -1.4477
 -1.4821   -1.6613    0.61908  -2.2551   -1.6935    0.18826   1.9406
 -2.1643    2.3769    2.8462    0.69318   1.7998   -4.8034   -1.46
  5.489    -1.276     1.7793   -0.81696  -5.6578   -2.9281   -2.7183
  1.0738    2.7001    0.4422   -6.854    -0.78026   0.52645  -0.40818
  0.61471   4.6019    0.66384  -2.6675   -6.0479    0.92845   1.2005
  2.3321    3.3836   -4.3286    0.01402  -1.3786    1.3116   -4.7063
  2.4601   -4.4824    1.4473   -5.0932   -0.97371  -1.1099   -0.62123
  1.1291    0.57286  -1.2971   -4.0354    0.22962  -1.4062   -1.3029
 -2.5135    3.7993   -2.3861    4.4439   -0.96577   2.4051   -3.7487
 -0.54368   5.181    -0.67503   0.7159    0.14367   4.2835    1.7307
  4.3459   -1.4678   -5.3859    2.621    -5.6255    2.4296    4.2287
  0.99281   0.56292   2.1813    0.15443   0.15325   0.087202  0.72123
 -3.2424   -0.97296  -0.31593   3.0396    1.2792   -0.78012  -2.9605
 -2.2767   -3.5599    3.8483   -1.333    -2.2472    2.8762    2.9653
 -0.13954  -1.2863    1.8106    0.45349   2.2914    4.6958    1.1373
 -3.5074   -1.5832    1.5491    0.15274   1.1042   -5.1815   -0.033928
  1.9691    4.8922   -3.5373    2.8047    3.8863   -2.3688    0.28948
 -2.8992    0.34097   3.1702   -0.93149  -3.7852   -1.8311    0.61836
 -2.0702   -0.028366 -2.0338   -3.5187   -4.825    -7.0838   -0.69097
  2.6543    0.54706   0.66315  -1.7094    1.9139    3.51      6.1043
 -0.92349   0.24268  -0.36663  -0.63807  -2.0932   -6.0832    1.9377
  1.8542   -1.5982   -0.22696   3.6266   -4.1051   -2.5871    2.4106
  1.3408    1.5087   -2.9158    3.0434    1.0695    1.4968    3.5863
 -1.9265   -2.5519    1.8717   -0.414    -3.0839   -1.6288   -2.305
 -2.4375    5.7763    0.62857  -5.4214    3.711    -0.84714  -1.1103
 -1.3296   -0.36775   0.35664   1.2082   -0.079606  3.1513    3.2957
 -6.2519   -0.18854   0.64317   0.62803   0.62814  -4.41      0.40738
 -4.7149   -2.5854   -1.6998    2.2307   -0.80114  -0.36656   0.5388
  0.71646  -3.8975    3.6764    2.2512    0.26753  -0.79629   0.62894
 -5.2274   -0.83068   0.82335   3.2057    1.5289    0.97975   2.5277
 -0.88389  -1.9077   -1.7388   -0.77585   2.2568    0.99119  -3.0369
 -0.75887   2.8571    0.17363  -3.7765    1.0842   -0.65851   1.6633
```

```
 -0.39986  -1.2021    5.3802    5.2789    1.8639    2.1895   -0.32865
  1.7236    6.9055   -1.7931   -0.040837 -0.78658  -1.6789    2.1183
 -3.1289    1.6638   -4.7407    2.3182   -2.0569   -4.9437    1.3535
  1.8913    0.11439   2.1461    1.2403    5.1726   -2.504     1.2351
  2.7507   -0.87551   3.5109    0.86589  -1.4102    3.6202    1.9717
 -3.866     2.3845    0.47195  -3.6366   -2.6367    0.48551 ]
planned [-1.9992e+00  3.5817e+00 -1.8108e+00 -1.5326e+00  3.1317e+00 -4.5716e-01
  9.8891e-01  2.7420e+00  5.0614e-01  1.9844e+00  4.1871e-02  1.0186e+00
 -3.0729e+00  2.5067e+00 -7.5328e-01  2.1317e-01  5.0681e-01 -2.1812e+00
 -1.7377e+00  7.1749e-01  1.8917e+00 -5.8205e-01  1.3083e+00  5.0063e+00
 -1.3939e+00 -3.7959e-01 -3.8130e+00 -1.9502e+00  9.8698e-01  2.5770e+00
  1.1375e+00  5.7816e-02  4.2184e+00 -4.6888e+00 -1.4671e+00 -2.6666e+00
  1.7661e+00  2.1082e-01  3.9160e-01 -1.6554e+00 -1.2772e-01 -1.1745e+00
  2.3445e-01 -4.2439e+00 -4.6680e+00 -6.1325e-01  4.4839e+00 -2.3818e+00
  8.8662e-01  1.2732e+00  6.5507e-01  8.8333e-01 -8.1376e-01 -4.7353e+00
 -1.6448e+00 -8.3879e-01 -8.0141e-01 -1.6644e+00  4.9628e+00 -5.3927e-01
  1.6370e+00 -1.1433e+00  8.6684e-01 -1.2430e+00  3.1968e+00  2.7893e+00
 -1.8297e+00 -1.0175e+00  1.2124e+00 -9.3000e-01 -5.4612e+00 -1.6336e+00
 -2.4309e+00 -1.5630e+00 -3.1566e-01  2.1461e+00  1.2434e+00 -6.7079e-02
  7.2887e-01 -4.0538e-01 -4.4609e+00  1.2746e+00  5.5560e-01  1.9545e+00
 -1.5986e+00 -2.4587e+00 -2.4893e+00 -5.8004e+00 -1.1533e+00 -2.3676e+00
  9.7963e-01  2.0621e+00 -4.1388e+00 -9.6704e-01  1.3654e+00  2.5018e+00
  6.5550e+00 -2.2475e+00 -2.7686e-01  3.0115e+00  3.9215e+00  1.0548e+00
  1.2439e+00  3.1731e+00 -1.1399e+00  2.8538e+00 -1.0066e+00  2.5563e-01
  3.1434e-01 -3.5877e+00  1.1537e+00  2.0035e-01  1.4802e+00 -1.2205e+00
 -2.1258e+00 -1.2693e+00 -6.4398e-01 -1.8085e+00  2.8261e+00 -2.9503e+00
  1.3728e+00 -3.8196e+00 -5.8908e-01  3.4610e-01 -1.8027e-01 -9.0840e-01
  1.4121e+00 -9.4327e-01  6.9283e-01 -3.6623e+00 -1.9856e+00 -3.9959e-01
  2.8685e+00 -4.1287e+00  8.2172e-01 -1.9267e+00 -1.0615e+00 -1.0857e-01
  5.2868e+00 -1.4114e+00 -2.0964e+00 -2.2729e+00  1.4348e+00 -1.4073e+00
 -1.0803e+00  1.5800e+00 -4.7891e+00 -2.6040e-03 -1.8726e+00  1.2208e+00
 -3.4225e-01  7.8265e-02  3.6968e+00 -2.2525e+00 -1.8322e+00 -2.8569e+00
  2.0095e+00  1.7632e+00 -1.3988e+00  9.9621e-01  1.8725e+00 -2.5584e+00
 -2.0641e+00 -1.3821e-01  2.1498e+00  3.3903e-01 -6.0948e-01  1.2359e+00
 -4.0738e-01 -2.9243e+00  1.8852e+00  1.2593e+00  9.9212e-01  3.1019e-01
  9.2010e-01 -1.6470e+00  4.4291e-01 -1.8954e+00 -4.4034e+00  2.8896e+00
 -3.0457e-02  5.6735e+00 -1.9133e+00  3.7951e+00  2.8759e+00 -7.6816e-01
 -2.8174e+00  1.5528e+00  1.1912e+00  1.7910e+00  3.4793e-01 -1.0077e+00
 -1.2847e+00 -2.3503e+00 -1.0695e+00  3.8957e-01 -4.8904e-01 -2.4911e+00
 -6.0856e+00  3.1586e+00 -1.1322e+00 -1.4735e+00  1.4077e+00 -6.0743e+00
  3.3987e-02 -8.7987e-02 -1.6595e+00 -9.8927e-01 -1.3868e-01  3.8155e-01
  3.4106e+00 -1.0438e+00  2.2279e-01  6.1401e-01  2.0849e+00  3.2491e+00
  2.6169e+00 -3.6375e+00 -4.9892e-01  2.1878e-01 -1.8893e+00 -6.4476e-01
 -4.1421e+00 -1.9797e+00 -1.9529e+00 -2.3295e+00 -7.9733e-01  3.6415e+00
 -1.0162e+00  1.0153e+00  3.8812e+00 -2.8723e+00 -1.8011e+00  1.7156e-01
  3.6985e+00  9.8670e-01 -1.1772e+00 -2.3974e+00 -4.4187e-01  3.4438e-01
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 -1.1915e+00  1.3369e+00  1.8983e+00  4.9366e+00  5.8514e+00 -5.4704e+00
 -4.8647e+00  4.7470e-01  1.7675e-03 -1.5858e+00  1.9429e+00 -3.4813e+00
  3.3717e-01  1.6714e+00 -3.4462e+00  4.6282e+00  2.0541e+00  1.8803e+00
  4.8881e-01  1.4384e+00  1.0539e+00  1.5591e-01 -5.0068e+00 -2.3492e+00
 -2.6235e+00 -2.8924e-01 -2.2888e+00 -1.5521e+00  9.6075e-01  1.0959e-01
  3.0274e+00 -4.1338e+00  2.8303e+00  3.3254e+00  2.9808e+00 -2.7453e+00
  2.9031e+00 -1.5930e+00 -1.2920e-01  1.4911e+00 -2.5567e+00 -4.4590e-01
 -1.4246e+00 -6.0724e-01  1.3847e+00  9.5892e-01 -5.0150e+00  7.8963e-02
 -1.9290e+00  1.0603e+00  8.8882e-01  2.4162e-02 -3.6312e-01  1.6928e+00]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
```

```
  6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
  4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
  4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
  4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
-10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
-10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
  0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
 -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
 -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
-18.968     -5.1987   -15.727     -8.261      2.829      3.8224
  0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
 -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
  1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
  6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
 -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
 -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
-12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
  4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
  2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
  6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
 10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
-13.363     12.089      0.15567   -8.773      0.63318    1.6568
 13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
 -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
  0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
  6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
  2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
-10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
 -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
 -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
  1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
  2.4237     1.6805     2.7494    10.424      0.99916   10.243
  0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
  3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
 -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
 14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
 -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
  1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
 -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
 -4.1231     4.8027    -6.24      17.979      8.1697    14.307
  4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
 -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
 -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
 -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
  0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
  4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
consult [ 0.45148   0.45731   0.32736  -1.8128   -0.042627 -0.03765  -2.8356
  2.1637   -4.1004    0.19349   4.1689    3.787    -3.4569    0.30626
 -0.28727   3.9496    6.2611    0.18134  -3.722    -0.036519 -2.5389
 -3.7741   -4.7545    4.6644    0.22604  -1.7781   -0.73016   0.70169
  2.4952   -4.1812    2.7628   -3.1351   -2.1306    1.7865    1.2496
  0.64911  -0.27063  -0.76644   1.811     3.0769   -3.1938    1.5853
  0.59272   0.40963  -1.6748    3.669     4.717    -3.8787   -4.1225
 -4.7583   -0.34348   4.5359   -1.1111   -6.1518   -0.65192   1.8292
 -2.8765    3.1883   -3.0146   -1.8092    3.1548   -1.8054   -4.125
 -0.53179   0.095057  1.505     0.22131  -2.3498    1.7306    7.84
  1.9174   -1.803    -3.0195    0.62426  -0.3613    0.80278  -4.2134
  0.24863  -1.3909    1.4199   -2.0509    3.3485   -2.6095    3.9392
 -1.2397    2.1943   -0.77448  -3.3659    3.6942    0.22498   1.1713
  0.20204   2.4355    1.8668    1.7089   -0.38636  -2.5695   -2.2019
```

```
 -1.0745    3.6075    6.9177    3.748    -1.1877    0.34655   2.1224
  3.6064   -1.8877   -2.4109   -2.6884   -4.2854    0.92609   0.28687
 -2.7094   -0.5033   -0.95511   6.7211   -4.4467   -0.25255  -0.67417
 -1.6301   -2.1927   -1.3954    3.4766   -1.7611    1.5619   -3.318
  2.9821   -1.6362    3.8037   -1.2983   -0.50647   1.0593    3.2245
 -1.3565    0.064924 -0.71546  -3.8772   -3.1763    2.818    -1.8453
 -1.9646   -0.60864   0.66918   1.5289   -0.33184   0.068108  1.6454
 -3.4703    1.8262   -0.37562   1.9354   -0.13446  -3.5196    2.364
 -1.2317   -4.4671    1.5463    1.1014    0.17672  -4.6297   -1.3796
 -2.3167   -1.1731   -0.86968  -0.57431   0.46648  -2.5814    3.2207
  0.7145   -4.6306    0.58597  -2.1432    1.3234   -0.18993   3.0759
  2.619    -0.82876   0.10242  -1.2249   -2.4024    2.4408    2.3034
  1.3388   -0.55513   1.0899   -2.3551    3.7796   -3.0903    2.4302
  7.8164   -3.0453   -0.19112  -1.1639   -1.639    -1.4118   -0.63529
 -0.10834   3.2963    0.79106   1.7771   -1.1912    0.25857  -0.19233
  3.1318    3.2156    0.87127  -0.13315   2.5195   -1.2938    1.5911
  5.0518   -2.3329    1.2342    0.3306   -1.7587   -0.19726   1.8631
 -5.2714    0.3399    2.722    -5.7862    0.61906  -2.0364   -0.21432
  2.1531    1.756    -1.3296   -0.43327   1.5768    3.3947    1.5165
 -3.0584    1.2737   -0.81167   2.5023    0.3282    1.0896   -0.47475
 -0.81549   2.4034   -1.7489    2.9787   -0.40242   1.5661   -2.7736
  3.2712   -4.3267   -0.87956   0.93538   1.4266    1.3464   -7.3809
 -7.6257   -4.5003    2.3864   -3.597    -2.2145   -3.5585    0.68714
 -1.5648   -4.5678    0.56386  -2.2431    3.393     4.6334    1.823
  2.5674    1.4796   -2.6421   -2.2441   -1.5916    1.1554   -0.66544
 -2.8803    1.8665   -5.0707    1.1854   -2.283     0.46955  -1.2788
  0.45078   1.8576    3.0509   -4.1357    0.11021   1.1202    2.1338
  6.6707   -4.3812   -3.0771    0.44962  -0.91489  -4.3574    1.9365
 -3.2015   -2.1819    0.7027   -1.9762   -0.83755  -0.54634 ]
subject [-3.9341e-01 -1.5746e+00 -1.2018e+00 -3.4035e+00  3.5364e+00  2.3202e+00
  3.8652e+00  2.0431e+00 -2.5534e+00 -1.5909e+00  8.3591e+00  1.6202e+00
 -1.4224e+00 -1.2473e+00  2.9103e+00  1.1175e+00  4.8605e+00  3.2893e-01
 -2.0618e+00  3.9816e-01 -4.6892e+00 -3.1813e+00 -3.1500e+00  3.5806e+00
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  1.8289e+00  2.3889e+00 -9.0407e-01  9.0853e-01 -1.4657e+00 -1.1301e+00
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  1.4583e+00  1.8782e+00 -2.6185e+00  2.0623e+00  4.3459e+00  6.6854e-01
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  4.4891e+00  5.2115e+00 -3.7281e+00 -1.8424e-01 -6.2307e-01 -3.5161e+00
  3.3566e+00 -7.9292e-01 -2.4291e+00  7.1777e-01  1.6373e+00 -7.1424e-01
 -2.5050e-01 -1.9764e+00 -1.4461e+00  7.4401e-02 -4.1024e+00  2.3768e+00
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  7.8463e-01  1.7452e+00  1.4380e+00 -5.5373e+00  1.8693e+00 -6.9195e-03
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  2.6221e-01  6.4897e-01  2.9073e+00 -2.5891e+00  7.1105e-01 -3.2244e+00
 -6.4864e-01 -1.8063e+00  3.1559e+00 -5.5676e+00 -8.7844e-01  3.6440e-01]
matter [ 1.7585    0.64943  -4.4246   -0.62567   1.9448    1.6365    0.99271
  4.7722   -5.4289   -1.7041    6.8355    0.94053  -3.9964   -0.33354
  3.9745    2.0095    3.7452   -2.745    -4.481    -0.99575  -4.2638
 -0.60979  -2.4315   -2.468    -0.69226  -4.2301   -2.6507   -1.465
 -2.4851    4.8941    3.2401   -0.050952 -1.8682   -2.0214   -1.8034
 -0.88635  -1.7997    2.6148    2.0787    3.8778   -2.8641    0.47396
  3.7982    3.0415   -0.49402   3.3088    4.0669   -1.7714   -0.3362
  4.6582   -2.7592    1.0738    4.7446   -4.035    -1.8356    2.6094
 -0.59438   2.7805    0.60059   0.61783   4.244     2.4557   -1.7921
 -5.2144   -0.92224   5.7414   -3.2497   -6.1427    2.0829    2.8977
  1.1453    2.475     0.19351  -1.4062   -2.5727    3.03     -3.7029
  0.91285  -2.2408    2.2425   -0.25947  -0.64736   2.7457    4.6873
  3.166    -0.43106  -2.0582   -2.1241    2.0556    1.2347   -2.1776
 -1.6973    2.7871   -4.8896    1.6345    0.12252   0.42108   1.44
 -1.8297   -3.1963    0.44319   0.29307  -1.2392    0.53487  -0.052188
  3.3894   -1.9784   -2.1721   -3.1589   -2.5483    1.077     0.28179
 -0.60819  -1.3196    1.7262    2.7017   -4.1929   -0.1857   -2.4282
 -0.50796  -1.9812   -0.73045  -4.1091   -0.87715  -2.0453   -4.2903
  3.1887   -1.4906    3.2763   -3.4737   -4.0918   -0.26296   2.2594
 -0.82549  -1.9692   -1.0437   -0.93841  -3.5422   -0.88202   0.23416
  1.5253    0.8482    2.7362    3.6293   -3.299    -3.2186   -3.1478
 -3.3467   -4.4185    4.0635   -3.934     4.4784   -3.2879    1.7077
  0.92974   4.3031    4.0415    2.5787   -3.0508   -2.4274   -2.4519
 -2.2938   -3.4472    1.3903   -2.4806    0.90918  -2.8654    1.4997
 -1.3729    1.6371   -1.5262    2.4985    4.4324   -1.3245    1.2975
 -0.40627   0.72602   6.7458   -1.1644   -1.0838    3.349     1.9564
  4.3812    3.4553   -0.37715  -1.0097    2.8586   -1.2101   -0.77544
  2.5279   -3.2058    3.7272   -2.7737   -2.1639   -2.3861   -2.5768
 -2.2103    0.30544   2.4951    0.29945  -0.18671  -2.1403   -1.4038
 -3.7872   -0.4239   -0.78886  -1.9026    0.98316   2.0619    1.7162
  1.561    -0.54074  -1.6973    2.0839   -3.3942    0.27967   2.1802
  3.4338    2.1117    0.097273 -0.79826  -3.1784    2.1108    0.27651
  0.51584   0.60603   1.489     2.6321    4.2054    1.7287   -1.0772
 -3.1587    1.7752   -2.0686    2.2743   -1.2081    1.1163    0.13302
  1.9002    1.7526   -3.429     0.41273   1.9386    1.9024   -3.437
  2.3101    0.73146   0.64459  -0.6697    5.584     1.752    -0.42437
 -9.7086   -1.6033    5.5414   -3.7308   -2.7969   -1.4822    1.9717
 -0.74057  -0.23657   2.3067    2.1492    3.0717    2.5538   -0.2109
  1.5192    2.7225   -5.2084   -0.89347  -2.6321   -1.6346   -1.6987
 -0.077595  0.6805    1.0135    1.533    -1.7923    0.96756   6.6447
 -0.46947  -0.85594   4.2182   -0.6991    3.1529    0.90915   2.0446
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  1.1505   -1.8998   -2.3152    1.6015   -3.7882    2.8536   -2.2108
 -2.6206   -0.72808   4.6676   -0.23225  -3.6103    1.2324  ]
experts [ 3.9318e+00  1.8551e+00 -2.9701e+00 -1.4610e+00  2.2251e+00 -2.6183e+00
 -3.5088e+00  4.4166e+00 -3.1395e+00 -2.1068e+00  4.2258e+00  3.2661e+00
 -6.6979e+00 -5.0115e+00 -2.0351e-01  5.2345e+00  6.7010e+00  1.2375e+00
 -3.8562e+00 -1.5522e+00  9.9731e-02 -1.1679e+00 -3.2452e+00  2.2716e+00
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 -4.5354e+00  2.8231e+00 -1.9115e+00 -4.4169e+00  1.8716e+00 -3.9504e+00
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  3.4659e+00 -3.4719e+00 -4.4664e-01  5.6164e-01  2.7788e-01  4.7003e+00
 -1.2540e+00 -1.0479e-02  8.4758e-01 -1.6676e+00 -1.5034e+00 -5.0640e-01
 -3.1653e+00 -2.8817e+00  2.3377e+00 -1.3202e-01  1.7984e-01  3.3315e+00]
from [ 0.45435   -6.0338    -1.8677    -1.8194     8.5512    -0.066354
  1.1344     6.1554     1.8423    -3.7488     4.1551    -2.0752
 -6.7001     6.8146     0.75662    5.0076     1.4678     3.4866
 -0.6737    -5.9844    -3.8209     0.9157    -0.30408   -1.7836
  2.7465    -0.051137  -3.7787    -0.49766   -2.6815     2.9997
  0.98826   -2.9207    -0.86842    0.38161   -3.6931    -4.518
 -2.8422     2.5726    -0.92872   -4.5026    -5.0273    -3.9558
 -6.0478     0.41429   -3.2481     0.32927   -4.0945     0.45288
```

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  0.16902   -0.18958   -1.2065     0.48687   -7.7143    -8.6508
  0.29102   -1.9913     0.51322   -2.2218    -0.94501    1.7085
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 -4.1546    -2.8496    -3.8291    -0.18533    3.4827    -1.0415
  9.2828    -1.5115    -2.6162    -2.6694     1.967     -0.40506
 -0.71038    6.9597     1.666      4.1158     3.8476     3.4865
 -1.0254    -0.2148     1.0231     1.002      5.9324     5.1235
  0.48297    3.2595     0.59549    1.917     -1.1959    -5.2065
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  6.0223    -4.0874    -0.25729   -1.8343    -0.83329    3.0527
 -0.78573   -1.287     -3.0321    -1.9253    -4.5471    -1.4212
  1.5144     1.7483    -4.0746    -0.93057    4.1949    -0.23938
 -1.9944    -3.9611     2.2508     1.6456    -5.3786    -3.4742
  4.0882     2.6979     1.4979    -0.14437   -0.92788   -4.3756
 -0.11451    4.3656     0.45858    1.0107    -8.2391     2.7853
 -1.6293     3.918     -6.4718    -1.3683     2.5064    -1.9168
 -2.5947     0.017869   2.8477    -2.369     -2.3404    -5.3634
 -3.4722    -1.9456     4.0965     0.52581    0.95218    1.0401
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  0.72216   -7.4817     0.57392    3.6762    -3.5326     0.0099544
  0.22811    1.7978    -6.3721    -5.9739    -0.46848   -3.4785
  4.7141     1.5309    -7.1158     5.5769    -0.221      1.4678
 -1.6857     6.0699     3.337      0.87578    1.7247     6.0363
 -3.815     -4.7909    -5.556      1.2171    -0.18325    0.60824
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  5.5259   -1.8981   -6.1087    6.1835    2.2767   -6.6101   -0.51054
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 -0.45794  -5.0762   -4.7648   -1.9327    2.3449    0.44531   2.1511
  5.4111   -0.059938 -0.86014  -0.16054  -2.4314    1.9873    5.2466
 -4.1011    3.4999   -1.2705    0.70721   1.1579   -3.2405    1.3784
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  2.0346    3.5396   -2.2995   -1.0843    0.54572   0.38606  -3.5737
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  0.1799    1.2015   -4.6864    2.8123   -4.4905   -0.48681  -3.1266
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 -5.9349   -5.634     1.0911   -0.62945  -1.835     4.9306  ]
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  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
  2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
 -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
 -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
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 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
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  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
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 -3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
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 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
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  4.1630e+00  8.0338e+00  3.8102e-01  8.2656e+00  9.7061e-01 -5.0807e+00
  4.9522e+00  7.5018e+00  3.8305e+00 -3.3233e+00  4.9126e+00  2.4189e-01
  3.8218e+00 -3.9717e+00  2.4691e+00  1.3721e+01 -8.9664e+00  1.0610e+01
  6.9425e-01 -1.1082e+01 -5.6883e+00  2.3287e+00  1.6451e+00  3.6006e+00
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  8.8719e+00  7.2337e-01 -1.2350e+00  1.6209e+00  7.8994e+00  1.0741e+01
  8.1158e-01  9.0156e+00 -1.5913e+00 -5.3166e+00  3.5032e-01 -2.8850e+00]
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  1.4189e+00  7.0146e+00 -6.8371e-01  4.8823e+00  6.9900e+00  1.9751e+00
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  1.7293e+00  4.4936e-01 -2.2527e+00 -4.9398e-01  1.0568e+00 -1.4174e-01
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 -1.6495e+00 -2.0382e+00  1.1904e+01 -6.5874e+00  1.0474e-01  1.3297e-02
 -6.8476e+00 -1.2066e-01  2.6605e+00  1.9411e+00 -2.2476e+00  1.5282e+00
 -9.3049e-01  4.5642e+00  1.4836e+00 -3.7563e+00 -1.4808e+00  3.1640e+00]
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  0.76235  -0.18272   1.3549    3.1936   -5.8943   -1.9204   -6.4365
  0.71235   2.3496    3.5689   -2.5125    3.9768   -0.6699   -0.59908
 -2.2566   -0.60258  -2.2027   -0.65009   2.0874   -2.2773   -3.1736
 -0.93419   2.8699   -2.414     1.4626    2.9616   -2.4068    3.8206
  6.1775   -1.9711    4.3683    3.649    -5.7578   -1.1978   -1.9082
  1.93     -0.667     3.504     1.522    -3.0585    1.3548   -9.8007
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  1.687     2.7983    1.5008    1.5809   -5.6791    4.4969   -2.3556
  4.5014   -5.3523    3.4054   -5.8423   -8.9079    2.0867    6.5612
  3.5788    2.773    -2.5629   -4.0054    6.2662    5.9222    0.27426
  1.4782    6.7456   -1.7996    5.3663    1.0045    3.4048   -1.7082
 -1.7596   -1.1001    5.056     3.2402    4.0828   -2.8896    0.32221
  2.8734    5.3113    0.35043   2.9431   -7.3938    2.3259   -4.3517
 -4.3123   -2.0427   -2.7141    2.4008   -4.9391   -1.1413    1.1038
 -0.92928   0.9079   -3.3654   -2.3541   -2.6578   -1.5151    0.83564
  6.9681    2.1276    2.5442   -4.5542   -7.4732    0.20944   3.9301
  5.0216    0.62673  -1.9878   -3.3389   -0.42859  -0.44372  -2.4186
 -5.505    -7.0295   -3.8864    1.2773    5.067    10.25     -7.5746
 -1.0087    0.16552   4.4237   -6.276     1.899    -2.9764    8.6453
  1.6453    0.54761   4.2038   -2.5494   -6.0261   -4.5597   -8.2364
 -2.1457    1.7746    0.84105   4.6182   -5.5988   -3.3881    4.0562
 -1.7711    0.18692   1.6117   -1.426     2.2524   -0.64271   3.3332
 -0.92024   2.7767   -0.20025  -1.2215   -0.96168  -2.7712   -1.0209
  1.3182    3.2366    0.1552   -0.035954 -0.096903  2.9267    1.5811
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 -3.4388   -3.7427   -1.2763   -3.3697   -0.37995   1.7036    3.1757
 -0.94083   6.1435   -5.5363    0.51196   2.0228    2.2042    2.8435
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 -1.7558   -5.8714    4.6717   -2.4631    4.8449   -4.5437   -4.8252
  4.191    -5.0549    2.647     2.5676    5.5042    4.8825   -3.121
 -6.0889   -2.8016   -4.3057   -7.5833   -0.84898  -7.6899    1.4841
 -1.0658   -2.5513    7.1186    7.5266    0.47007   4.1264   -1.7521
  2.2031   -2.0471   -0.9133   -1.6462    1.2811   -0.58724  -0.66783
  2.9833    3.2543   -2.2096    1.7009   -4.3735   -2.9229    6.2035
  1.6807   -3.8614    3.5091    4.8508    7.1363   -4.7148   -2.2472
  1.8788   -3.2533    4.0245    2.2784    1.4933   -1.0341    1.1451
  3.3585    1.645     0.32295   1.7128   -2.9768    6.834   ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
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  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
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  8.8546e-01  4.4796e+00 -2.3230e+00 -2.9739e+00  6.4034e+00  1.6868e+00
 -1.9691e+00 -2.9613e-01  6.0188e-01  9.2330e-01  3.5857e+00  1.3824e+00
 -1.2280e+00  6.3683e-02 -1.1559e+00 -2.3204e+00 -1.7860e+00 -3.4468e-02
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  1.0534e+00  3.7532e-01 -2.4951e+00 -3.3613e+00  4.0791e+00  8.4502e-01
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 -7.4334e-01  1.3267e+00  3.4431e+00 -2.0968e+00  3.3638e+00  3.1516e-01
  1.0226e+00 -2.3780e+00 -1.4365e+00  3.1006e+00  3.4237e+00  8.8947e-01
  2.6585e+00  1.8852e+00 -1.5526e+00  4.5520e+00 -2.9878e-02 -2.1883e+00
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  4.2342e+00 -3.5024e+00 -3.3967e+00 -2.8016e-01  8.1121e-01 -5.7095e-01
 -1.5874e+00 -1.1698e+00 -2.5528e+00 -1.8817e+00  7.9425e-01  3.2777e-01
  2.6313e-01  6.8293e-01  5.2422e-01  1.0183e+00 -1.6839e+00  1.5614e+00
  2.6652e+00 -2.8654e+00  1.0975e-01 -3.1145e+00 -2.4793e+00 -1.3575e+00
 -3.5465e-02 -7.5503e-01 -4.2530e+00 -1.8261e+00 -5.3793e+00  2.1702e+00
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  1.0118e+00  1.2247e+00 -1.3841e+00  3.0331e+00  3.6459e+00  2.9054e+00
  1.5403e+00  2.3403e+00  3.1768e+00  5.3669e+00 -5.9924e+00  1.0042e+00
  2.5922e+00 -1.5552e+00 -1.9218e+00 -8.6661e-01  3.2678e-01 -1.7962e+00
  2.1637e+00 -1.3265e+00 -8.1384e-01  3.5514e+00  3.5246e+00 -2.3579e-01
  1.6869e+00  7.2041e-01  7.6445e+00 -2.6968e+00  3.0378e+00 -9.1405e-01
 -1.8574e+00  6.0984e-01  3.4373e+00 -1.9830e+00 -5.1461e-01  2.4205e+00
 -3.2717e+00  1.5089e+00  4.1465e+00 -2.5918e+00 -3.4314e+00  1.0891e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
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  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
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  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
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 -2.2060e+00  3.2128e+00 -2.0816e+00 -2.9305e-03  1.4144e+01 -9.3209e+00
  1.9470e+00 -8.0180e-01  2.4859e-01  1.3631e+01 -1.2121e+00  1.2110e+01
  2.5396e+00 -5.4612e-01  1.8946e+00 -3.2709e+00 -1.0619e+01  1.9228e+00
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  4.3994e+00  4.9992e+00 -1.5801e+00  6.7250e+00  4.0804e-01 -8.7194e+00
 -1.9602e+00 -6.9880e+00  4.6579e+00  3.1057e+00 -2.7350e+00 -8.9192e+00
  1.1785e+01 -7.1446e+00  3.6330e+00  8.9007e+00  3.1960e+00  3.5327e+00
  1.0951e+00 -5.0919e+00 -1.1176e+00 -6.5237e+00  6.1758e+00  8.4176e+00
 -1.3708e+01  3.4605e+00  2.8832e+00 -1.0040e+01  7.4507e+00  5.1906e+00
 -2.4226e+00 -5.0546e-01  4.2237e+00  5.0208e+00 -7.5176e-01 -9.6466e+00
 -1.0037e+01  5.8292e+00  4.0086e+00  1.4486e+01 -3.5640e+00 -3.5964e+00
 -3.0311e+00 -1.0326e+01  3.6719e+00 -4.5900e+00  4.1708e+00  7.0789e+00
  4.9997e+00 -6.7114e-01 -1.0102e+01  9.2376e+00  1.5561e+00  1.2963e+01
 -3.2340e+00  3.1266e+00 -1.0017e+00  8.0002e-01 -8.1493e+00 -5.3154e+00
  8.8846e+00 -6.2292e+00  3.0234e+00 -7.5734e+00  4.6470e+00  2.7817e+00
  1.1938e+00  8.1420e+00  3.9604e+00  3.5361e+00  7.4518e-01 -9.8892e+00
 -5.7035e+00 -4.4395e-02  1.3888e+01  1.3986e+00  8.8184e+00  2.8488e-01
  1.2994e+00  4.0861e+00  1.0955e+01 -2.9619e+00  4.5407e+00 -2.2999e+00
 -9.9536e-01  1.2619e+00 -2.3326e+00 -2.2893e-01 -8.5967e-01  9.7466e+00]
far [ -1.2541     3.517     -2.1126    -0.2534     1.8377     3.1033
   1.9783    10.526     -1.1449     2.6949     9.5714     3.7179
  -0.27143    5.2284    -1.0167     1.8204    -2.7564    -1.3373
  -2.0741    -2.8944     2.6127    -1.04      -1.7239    -2.0094
  -0.45642   -3.5588    -1.0958    -4.5033     5.4036     5.8484
   6.4418    -4.0809    -6.4834    -7.3416    -3.2968    -3.2018
  -8.272      2.9249     7.6481     5.5738    -1.944      1.6704
   2.1577    -3.8256    -3.0695     2.1415     5.2494    -7.6967
   0.86185    8.7667     5.672      2.7391     0.57498   -6.3266
  -1.0788    -5.6961    11.938     17.356      3.0716     5.7772
  -1.8492     6.8977    -1.535     -6.7398     3.8854     3.4517
  -0.68619    9.322      3.2969    -2.2298     2.48       0.75317
  -3.5518     2.3706    -3.3777    -0.038754  -5.4635    -2.4516
  -2.6917     8.5579    -0.60452    1.3758     5.2944    -5.2622
   9.0662    -1.9854    -0.9914    -2.6023    -1.2193    -0.90412
  -0.17182   -2.4851     3.703     -2.2887    -0.9677    -0.82128
   9.5026    -0.51979    0.30983   -8.8051     8.0684    -1.7915
  -0.27067    2.612     -0.44318    5.5951    -8.0687    -2.7092
  -2.3283     1.16      -1.5595    -3.4381    -4.8435     1.9992
  -0.30012   -3.6056     2.6291     0.39166    4.5412    -0.80772
  -0.83344    1.2722    -0.41035    0.75062   -3.3939     2.6981
  -0.58305   -1.1059     3.0546     2.8956    -5.1215    -1.1905
   8.9203    -8.4921     0.99032   -0.41981   -3.7924     0.40952
   7.2402    -5.9609    -4.4943   -12.399      4.9687     5.479
  -0.47177   -0.056231  -5.871      1.7572    -2.9784    -1.0194
  -9.3371    -5.5696     1.0956    -1.5911     8.6234     7.4881
   5.0493     1.7854    -4.2311     3.2602     1.8246    -1.1705
  -2.1891    -1.9453    -5.7229     2.6491    -0.4734    -2.1848
   1.356     -4.7661    -3.712      7.0037    -3.1625    -3.4418
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   4.7259     2.7992    -9.4463    -3.4135    -0.98948    0.46075
  -7.0021     3.4866     2.4197     4.9132     3.9628     4.9194
   0.42509    5.8589     5.0815     4.4744     3.6295     4.7356
  -8.9378    -0.25245  -10.727     -7.1775     0.24161   -1.013
   2.3839     4.3479    -9.7492     5.0447    -3.0415     3.7942
  -0.78144   -5.6174    -4.8223    -3.3713    -2.1439     5.0743
   4.1365    -1.4847    -3.9224    -2.1015     1.3231    -1.0657
  -1.7681    -4.6466     4.5139     6.4787    -3.12       6.8692
  -1.9526     3.3416    -8.0805     3.1516    -2.6789    11.351
   2.6043     9.0592     1.503     -1.9602    -2.4445    -2.3864
  -5.8858    -2.1527     5.7306    -5.5427     0.13613   -0.46578
  -8.889     -1.6614     3.4318     3.8707    -0.88963   -5.1555
  -9.8604     6.8069     0.081439   2.9022    -0.74258    1.9055
  -5.0233     0.49717    0.737     -3.6643     2.2678     0.72893
   0.71635    6.9421     5.6332     1.9643     9.4711    -1.9531
  -2.324      5.7319    -3.8385     3.8509    -1.4826    -1.7975
   1.066     -4.4526    -3.7596     3.3823     3.1775     3.3154
  -1.5357   -16.922     -0.42243   -0.67469    6.0907    -4.5064
  -2.6561     0.22005    5.1371    -4.8143     3.2577    -9.4584
   5.6636    -1.507      5.6072    -7.7502    -0.66434   -3.2625
   7.5214     3.8053    -1.7547    -0.098741  -8.7701     0.023253]
from [ 0.45435   -6.0338    -1.8677    -1.8194     8.5512    -0.066354
  1.1344     6.1554     1.8423    -3.7488     4.1551    -2.0752
 -6.7001     6.8146     0.75662    5.0076     1.4678     3.4866
 -0.6737    -5.9844    -3.8209     0.9157    -0.30408   -1.7836
  2.7465    -0.051137  -3.7787    -0.49766   -2.6815     2.9997
  0.98826   -2.9207    -0.86842    0.38161   -3.6931    -4.518
 -2.8422     2.5726    -0.92872   -4.5026    -5.0273    -3.9558
 -6.0478     0.41429   -3.2481     0.32927   -4.0945     0.45288
  0.16902   -0.18958   -1.2065     0.48687   -7.7143    -8.6508
  0.29102   -1.9913     0.51322   -2.2218    -0.94501    1.7085
 -7.4646    -1.4759     2.9785     1.9929     6.1194     5.7424
  3.1345     2.995      1.142     -1.0094    -0.2874    -3.6443
 -4.1093    -1.0863     2.3179    -4.4463    -4.7228     3.24
 -4.1546    -2.8496    -3.8291    -0.18533    3.4827    -1.0415
  9.2828    -1.5115    -2.6162    -2.6694     1.967     -0.40506
 -0.71038    6.9597     1.666      4.1158     3.8476     3.4865
 -1.0254    -0.2148     1.0231     1.002      5.9324     5.1235
  0.48297    3.2595     0.59549    1.917     -1.1959    -5.2065
 -2.267     -5.3119     4.9902     1.9982     0.066939  -3.1749
 -1.1902    -1.2872     1.7977    -0.29575    2.9642    -5.847
 -3.1275    -3.9087     0.63162    0.77642   -0.88426   -2.3827
 -0.73424    2.5595     4.6701     0.58206   -0.65878    1.8592
  6.0223    -4.0874    -0.25729   -1.8343    -0.83329    3.0527
 -0.78573   -1.287     -3.0321    -1.9253    -4.5471    -1.4212
  1.5144     1.7483    -4.0746    -0.93057    4.1949    -0.23938
 -1.9944    -3.9611     2.2508     1.6456    -5.3786    -3.4742
  4.0882     2.6979     1.4979    -0.14437   -0.92788   -4.3756
 -0.11451    4.3656     0.45858    1.0107    -8.2391     2.7853
 -1.6293     3.918     -6.4718    -1.3683     2.5064    -1.9168
 -2.5947     0.017869   2.8477    -2.369     -2.3404    -5.3634
 -3.4722    -1.9456     4.0965     0.52581    0.95218    1.0401
  2.2528     4.7594    -2.5238    -1.9688     1.8668    -6.675
  0.72216   -7.4817     0.57392    3.6762    -3.5326     0.0099544
  0.22811    1.7978    -6.3721    -5.9739    -0.46848   -3.4785
  4.7141     1.5309    -7.1158     5.5769    -0.221      1.4678
 -1.6857     6.0699     3.337      0.87578    1.7247     6.0363
 -3.815     -4.7909    -5.556      1.2171    -0.18325    0.60824
 -3.4808    -0.55641   -1.4235     2.1842     1.3963     8.8607
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 -5.9621     2.182      1.1327    -2.5142     7.4382     2.8616
  0.11374    1.5995    -0.98251    6.5535    -1.2715    -5.2879
  6.6152    -3.6179     0.5123     2.7378     1.1277    -0.5008
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  2.8842    -1.0385    -1.5066     1.4072     5.8274    -3.1247
 -1.9541    -0.91968   -3.6556     0.18817   -3.6208     2.3691
  0.19245   -0.16533   -1.9995     3.4293     1.6196     0.75934
  4.7336     4.2969     0.18202   -4.7362     0.74054   -0.2152   ]
DoD [ 0.52443    0.79593   -2.2165     2.0155     2.0869    -0.12252
 -2.5591     0.43598   -0.86966   -0.12636   -0.35965   -0.87065
 -0.76145   -0.98609   -0.4602     0.78041    2.742     -0.66709
  0.19822    3.0889     1.1789    -1.184      1.2673    -1.6168
  0.70917   -0.1975    -0.462     -1.1242    -1.0885     0.35405
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  0.88977    2.6935    -0.70111    0.69102    1.9652    -3.4395
 -0.12878    0.29642   -1.8982    -0.5467    -0.55189    0.54335
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  0.33524    0.73478    1.2229     2.025      1.8258     0.73079
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  2.4865    -1.8452    -0.2867    -0.024349   0.63084   -0.57988
 -0.99632    0.8302     2.1633     2.0045     4.237     -0.79556
  1.1667     1.6904     0.78709    1.3119    -0.35972    1.1268
  1.6793    -0.14541   -1.5589     0.76895   -0.62482    0.20113
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 -1.2957     0.78436   -1.7841    -1.159     -1.5448     1.339
  1.4021    -4.4592     3.6555    -1.8197     2.121     -1.5274
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  0.78714   -2.2293    -1.1005     0.45554    0.013057   0.61424
  1.7632    -0.10157   -1.5074    -1.6073    -0.99308   -0.71961
  0.51202    1.9601    -4.1721     2.6278    -1.3458    -1.8317
 -2.0582    -0.66042   -3.4645     1.0956    -1.4123     0.0073083
  1.1225    -2.0737     0.48774    0.16384    0.52972   -2.0692
 -0.71954   -1.8107    -1.001      1.4949    -1.0661     0.37295
  3.1596     0.59261   -1.4723     0.23279    0.44529    0.45866
 -1.569      1.4237     0.71452   -2.2939    -1.7038     0.5961
 -0.75206    3.6732    -1.9044     3.4925     1.959     -0.73524
 -0.044708   1.5317     2.5496    -1.2991     3.7382    -0.44475
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  1.5249     2.6948     1.4222    -0.063914  -1.7914     0.44538
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  1.9593    -0.84149    3.9142    -1.0977    -2.1406     1.9141
  1.5403    -1.3535    -0.77566    1.9648     3.2984    -3.6057
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  0.25781    0.24731   -0.53724    0.45851    0.94217    1.7329
  0.097648   1.661      0.96245    0.47079    1.0751    -0.21693
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’s [ 9.4848e+00  8.2625e+00 -3.5644e+00 -8.9888e+00  1.0483e+01  5.4895e+00
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 -3.2694e+00  4.1122e+00 -6.3660e+00 -2.1741e-02  3.0695e+00  8.5741e+00
  3.4540e+00  1.2309e+01  2.5864e+00  6.8621e+00  3.9343e+00 -3.9516e+00
  4.5908e+00 -2.3486e+00  3.0991e-01 -1.2157e+00  9.3631e+00 -1.3904e+00
  1.4143e+00 -4.3494e+00  1.5112e+00  9.8156e-01 -7.1419e+00 -5.8279e-03
 -1.3070e+01 -4.7889e+00  9.4483e+00  9.0909e+00  1.0614e+01  1.4063e+00
  4.6168e+00  8.5980e-01 -5.9869e-01 -2.9369e+00 -8.0205e+00 -1.7005e+00
  1.2406e+00 -1.1358e+00 -1.0914e+01  5.9935e+00  1.7816e+00 -4.9542e+00]
first [-3.4552    1.1135    0.3154    1.1293    8.276    -0.47171   5.3419
  0.12659   1.6949    0.6911    4.8146    3.191    -3.6888    2.8223
  1.8997    1.034    -1.1717   -1.2167    2.0822    1.9756   -2.7783
 -3.5059    1.1251    0.12642   0.16838  -2.5      -4.5613    0.47961
  4.1794    2.4713    0.16531   1.4986    2.6634   -4.3826   -3.7308
 -2.9411   -2.917     0.27735   1.0918   -5.971    -0.90483   2.6628
  2.953    -1.2244    3.6019   -1.0567   -1.7854   -0.73047   0.60871
 -0.94573  -7.5433    2.379    -1.4578    3.2932   -0.76815   1.8239
  0.54359  -1.7329    1.788     0.72952  -0.036098  1.3933   -3.0697
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  2.749     1.2004    2.9143   -4.2407   -0.30711   0.62634   3.437
  1.1639    2.488    -0.87185  -0.25565   3.4511    1.2291    1.6025
  2.5253    2.0373    1.1583    0.49022  -1.7534   -1.538     1.2541
  0.8961   -2.0767   -2.6825   -3.9615   -1.3217   -6.1795   -6.25
  0.057712  3.2208   -3.368    -0.92859   2.0458    0.66531  -3.3783
 -0.77876   3.7679    0.087824  1.4325    0.69024   5.5825   -2.6295
  1.2602   -1.1045    0.52269  -1.7978   -8.0355    2.4343    4.8394
  1.6205   -0.48088   1.0643    0.21105  -1.3024    3.9582   -3.5481
 -2.3415    0.028462 -5.8766    0.95177   2.959     4.0103   -0.073764
 -1.9413   -2.9531    5.0176   -4.9319   -6.1334    0.015579  4.4048
 -1.8991   -1.5561    3.4679    1.7641    3.4625    4.7791   -3.9116
  0.02922  -1.2046    4.6345    0.076706  1.4052    6.6842   -3.8397
 -2.5263    1.1963    1.7142    1.8305    2.1362    3.2775   -2.365
 -2.5181   -1.2212    6.1751    0.29071   2.0647   -2.1735   -0.57327
 -3.7173   -1.4681   -0.2197   -2.6233    3.8034   -5.9528    1.3402
 -0.49166   2.322    -0.075899  5.0949    2.9565    2.8069    4.2491
 -0.73805  -3.942    -2.6495   -2.0632    1.4182   -3.1878    1.0194
  3.6392   -1.3397   -3.8434    0.39727  -2.0757   -1.2719    0.36465
  4.0462   -0.91467  -0.94559   0.8176    0.10488  -1.0762    3.8016
 -1.8654   -3.386    -5.9982    3.4069   -1.5257   -2.2582    2.0807
 -6.1147    3.5486   -0.6558    1.7652    3.8887   -2.2605    4.6371
  2.7961    3.6257   -3.4125    2.5155    4.9209    0.4978    1.043
  0.32102  -3.7037   -2.914    -7.7051   -1.9566   -0.79395   4.8954
 -6.9706   -3.6774   -2.7608    5.6001    1.7782    0.84993   3.8046
 -2.5372   -3.2582    2.409     0.83103   2.3462   -2.245     3.1967
 -7.1343   -1.3356   -3.5339    2.9528    1.3397    1.1418   -0.60631
 -2.006    -0.46908   1.5795   -0.29045   3.6193    1.7032   -4.0263
 -4.1506   -3.9358   -1.2046   -0.3826    7.472     0.11208  -0.043617
  1.9138   -0.62849  -1.2268    1.5128    3.3458   -0.24281  -5.4249
  0.42243  -0.027153 -1.8043   -1.1121    1.8701   -2.135    -0.65422
 -2.6015    1.5885   -1.774     1.2663    0.64362  -1.0995    1.1298
  3.8211    1.8842    0.63018   2.2306    5.2121   -1.686    -0.5791
  0.18622  -2.5679    0.45551   3.3984    1.8322   -3.3874    4.0843
  0.33208  -0.70703   2.8889   -4.8307   -0.36668  -0.30279 ]
foray [ 3.4057e-01 -2.7332e+00 -2.4391e+00 -1.0385e+00  7.0704e-01 -1.0194e+00
  1.0966e+00  3.4016e+00 -1.3640e+00  1.1509e+00  3.2966e+00  3.8988e+00
 -2.6830e+00  2.2926e+00  6.5217e-01 -2.2286e-01  2.3635e+00  3.8039e+00
 -1.6400e+00 -3.6692e+00  4.8343e+00  2.8797e+00 -2.3935e+00  3.2533e+00
  1.1372e+00 -4.3909e+00 -4.6678e+00 -4.3126e+00  1.0460e+00 -1.4362e+00
  3.0700e+00  3.2732e+00 -1.3319e+00 -4.8537e-01 -2.1570e+00  1.2144e+00
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 -5.9518e-01 -1.6227e-01 -3.8261e+00  2.9505e+00  9.2934e-01 -1.8106e+00
  2.4426e+00 -1.6621e+00  2.2878e+00  2.3064e+00 -1.6361e+00 -1.4365e+00
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 -3.9067e+00 -2.0009e+00  2.5225e+00  1.7874e+00 -1.6475e+00  1.8739e+00
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 -1.8769e+00 -1.0561e+00  3.2578e+00 -2.6060e+00  1.3449e+00 -2.1442e+00
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  2.0225e+00  1.0527e+00 -2.9204e+00 -1.9979e+00  9.8758e-01 -4.9201e+00
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  7.7452e-01 -1.4341e+00  1.9236e-01  9.7428e-01 -4.0292e+00  4.7433e+00
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 -1.3304e-01  1.1362e+00 -8.2085e-01  6.1801e-01 -3.2957e+00  1.2472e+00
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  1.1322e+00 -4.8300e+00 -2.7035e+00  1.7163e+00  2.0603e+00  2.1401e-01
  1.8179e+00 -8.3801e-01  5.8580e+00  2.7533e+00  3.5302e-01  1.1406e+00
 -2.9514e+00  1.2566e+00 -1.2857e+00 -1.4108e+00 -3.2311e+00  4.0716e+00
 -3.1862e+00 -2.7011e+00 -1.2904e+00 -2.9874e+00  1.1327e+00  4.5211e-01]
into [  3.2835    -3.8764    -4.8339     4.0789     3.4756     9.8448
  -6.6587     9.257      6.7061    -4.8802    -0.86498    0.16955
  -3.7518     4.25       6.8871    -4.9888     4.0453    -0.88488
   2.2608    -2.5604    -2.4978    -2.2576     2.9536    -5.0142
   2.1881    -5.8642     0.52385   -3.2123    -0.59597    4.52
  -6.0191    -0.90057    7.1962    -2.7551    -3.5459    -1.1135
  -2.5027    -2.0853    -0.65078   -2.1594    -0.31312   -4.9015
  -0.049623  -1.7673    -0.67707    2.7969     1.7418    -1.3921
   3.0114     4.1757     1.9363     4.9001    -7.9296    -5.2343
   0.1456    -0.20181    1.6749     5.9594     2.0156     0.58839
   0.11949   -5.0145     0.63893   -4.3446    -0.30239    5.3306
  -2.437     -0.37473   -0.06389    1.683     -4.3605    -4.5886
   3.9013     9.5609     1.9297    -2.472     -5.0609    10.872
  -3.6901    -4.688     -4.9425    -1.0496     6.3447    -1.7606
  10.791     -3.8864     2.4495     0.43963    3.0285    -5.6808
  -2.1543    -1.5496     6.3107   -12.016     -0.59636   -2.3779
   9.0295    -0.041394   0.1387     3.4279    -4.2805     3.6497
   0.99341    3.3814     6.2282    10.481      1.3098    -2.3428
  -0.16963  -11.39      -1.9239     3.9099    -5.011      1.511
   0.17019   -3.5357     2.93      -7.7959     3.5921    -3.631
  -6.9597    -3.2849    -5.8517     4.025     -3.9841    -1.3791
   5.2627    -4.0777     2.7987    -0.13951   -2.6        0.54083
   3.1831     2.1023    -0.96757   -1.4644    -2.777      3.2153
   7.2594    -2.3796    -2.3914    -7.9792    -6.4479    -0.7813
   9.3921     1.3963    -8.8758     2.1839     4.5513     4.3939
   0.55333   -0.25716   -1.4247     1.2273    -9.9981     0.7371
  -0.22815    1.9855    -0.53203    0.094828  -3.9431     5.3761
  -4.2023     0.17014   -7.1181     3.1045    -3.5652    -4.4233
  -0.9135    -5.1049    -4.3419     3.5298    -1.9358     7.0964
  -3.9782    -2.3324    -2.3928    -2.5416    -6.3981    -9.154
   5.125      1.5351     4.5253    -1.71      -6.4021    -6.5029
   3.1386     6.0329     0.38321   -4.9823    -0.79115   -3.9274
   3.4521    -9.0316    -5.6732    -0.89841   -4.1517    -3.5828
  -1.041      2.702     -3.0481     1.0385    -0.13497   -8.3783
   2.8945     0.2947    -2.0726     4.8049     6.1767     6.3403
   1.7368     1.0224     1.7811     7.179      6.0672     0.077169
```

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  -8.2515    -2.6647    -2.4266    -4.0119    -0.26315    6.4158
  13.223      3.2103     9.3339    -6.6459     2.864      3.3157
   7.4646     0.17661   -8.5939   -10.381     -3.3776    -2.6964
   2.0844     2.8374     1.9447    -0.8692    -6.5045    10.846
  -0.45112    1.1419     0.93568   -7.0013    -2.9709     2.8413
 -11.957     -1.7035    -2.8314     1.5652     3.3744     7.2213
   0.91372   -5.5884     0.77404   13.332      1.2589    -0.28482
   7.3112    -8.0229    -8.1066     0.018764   1.1929     1.0361
   8.082     -8.2071     2.8015     1.6255     5.0112     4.2843
   0.85892   -1.4451    -3.3328    -3.0171    -3.1387    -7.663
  -0.63517   10.057     -8.0637    -0.017125  -8.2309     3.7005
  -0.053786   5.1826     2.8342     2.3564    -1.4681    -2.8855
  -2.516      3.3768    -0.7741    -1.6846    -1.3407     2.7786  ]
generative [-4.1984e+00 -1.8623e+00  9.0527e-01  7.5985e-01  2.2335e+00 -3.2466e-01
  3.0580e+00  4.0770e+00 -2.3922e+00 -1.4594e+00  6.4190e+00  2.3408e+00
 -4.9173e+00  4.2981e+00 -1.3675e+00  4.7672e+00  4.2458e+00  2.7011e+00
 -2.4289e+00  3.3577e-01  1.9483e+00  4.7800e+00 -1.3146e+00 -1.4861e+00
 -1.5851e+00 -3.2065e+00  1.9104e-01 -3.9727e+00 -1.6602e+00  2.5932e+00
  1.7028e+00  1.2718e+00 -3.4808e+00 -1.1231e+00 -7.1224e-01 -3.8914e+00
  1.3381e+00  2.4634e+00  1.3622e+00  1.1502e+00 -2.2300e-01 -2.6787e+00
  2.0938e-01  8.7649e-01 -4.3431e+00  2.2677e+00  2.6198e+00 -2.6482e-01
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  1.3734e+00  6.1011e-01 -3.4854e-02 -3.2059e+00  2.1312e-01  1.0348e+00
 -1.7728e+00  1.5771e+00  1.3914e+00 -3.4427e+00 -8.5154e-01 -1.5799e+00
  4.9245e-01  1.1227e+00  1.0814e+00  1.2687e+00  2.1322e+00 -9.5872e-01
  5.2747e+00  2.9449e+00 -1.0553e+00  8.0465e+00 -6.3377e-01 -3.0067e+00
  1.1530e+00 -2.7820e+00  3.5045e+00  2.0095e+00 -3.1816e+00 -3.2406e-01
  8.4935e-01  2.9001e+00 -4.4706e+00 -6.5273e-01 -6.5546e-01 -2.0133e+00
 -4.9258e+00 -1.3395e+00  6.0094e-01  4.5152e-01 -1.2116e+00 -3.8611e+00
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  5.2929e-01 -1.8502e+00 -4.2834e+00 -1.2801e+00  3.3564e+00  4.3776e+00
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  2.0080e+00  4.8105e-01 -2.3214e+00 -2.2797e+00 -1.3172e+00 -1.4703e+00
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 -2.2079e+00 -2.1702e+00  2.0213e+00  2.0112e+00 -6.1938e+00 -2.9588e+00
 -6.4614e-01 -9.3179e-01  8.7823e-01 -2.3108e+00  7.4600e-01 -2.7974e+00
  4.9470e+00  3.7800e+00 -6.8860e+00  2.0046e+00  2.8269e+00 -2.5207e+00
  1.3407e+00  5.4948e-01  1.3802e+00 -1.0048e+00  8.7440e-01  1.7631e+00
  3.5726e+00 -6.1790e+00  1.5655e-01  1.5149e+00 -3.0151e+00  5.0783e+00
  1.9029e+00 -4.2653e+00 -3.6981e-01 -8.7842e-01  2.1662e+00  2.4381e+00
  4.0598e+00 -8.1186e-02  3.5610e+00 -2.2300e+00 -1.9004e+00  4.6650e+00
  3.3296e+00  1.3731e+00  1.4270e-01  1.2133e+00 -6.8153e-03  1.2441e+00
 -9.2944e-01 -1.9120e+00 -1.5662e+00  1.8290e+00  1.0767e+00  1.3228e+00
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 -6.4450e+00  7.0302e-01 -8.4223e-01 -3.6326e+00  3.1321e+00 -1.0282e+00
  4.7426e-02  2.8925e+00 -7.2252e-01  6.9645e+00  3.4112e+00  4.7661e+00
  2.7605e+00 -1.2996e+00 -1.4081e+00  3.9949e+00  5.2066e-01 -2.2008e-02
  2.7261e+00 -2.5921e+00  8.9375e-01 -7.2451e-01  1.5364e+00  4.7203e-01
```

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  1.2604e+00 -3.4024e+00  8.7527e-01  1.4970e+00  3.1531e+00  7.2801e-01
  2.4933e+00  1.3117e+00 -1.6021e+00 -1.5873e+00 -2.4014e-01  2.5251e+00
 -2.3462e+00 -6.7706e-01  3.1598e-01  7.2715e-01 -2.8527e+00 -2.6802e+00
  1.6482e-01  1.1626e+00  2.8710e-02 -3.3676e+00 -2.1764e+00  8.5218e-01]
AI [ 6.1869e-01  1.2587e+01  1.6028e+01  4.7017e+00 -3.5819e+00  4.6631e+00
  6.1646e-01  4.0545e+00 -9.9546e+00 -3.0884e+00  5.9248e+00  7.2768e-01
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  1.1697e+01  3.1172e+00  1.2409e+01 -2.9225e+00  3.4033e-01  4.2832e+00
 -9.8264e+00  4.0640e+00 -1.1671e+01 -9.8510e+00 -1.3919e+00 -5.3706e+00
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 -3.8255e+00  6.2826e+00 -5.2355e+00  6.5506e+00  2.7690e+00  2.8569e+00
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 -1.2262e+01 -3.7011e+00 -6.2159e-01  4.0970e+00 -1.0730e+01  1.0047e+00
 -2.2405e+00 -8.8812e+00  1.0971e+01 -7.6840e-01  4.7883e+00  1.9104e+00
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  5.8459e-01  9.8552e+00  4.8381e+00  3.2218e+00 -2.4746e+00  8.7936e+00
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 -8.7317e+00 -4.0756e+00  6.8521e+00 -6.6975e+00  9.1205e+00  6.2413e+00
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 -9.9900e+00 -3.4104e+00 -1.3032e+01 -4.2529e-01  1.5566e+00 -1.0857e+00
 -5.4087e-02 -2.0184e+00 -1.6324e+01 -5.0229e+00  1.4560e+00  4.0786e+00
  7.5318e+00  8.1921e+00 -1.2861e+01 -1.0000e+01  2.2295e-01 -6.4354e+00
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 -5.1350e+00 -7.4934e+00 -7.6498e+00 -4.0699e+00 -2.4231e+00  2.1544e+00
  9.1854e+00 -8.8925e-01  3.5552e+00 -6.7675e+00  3.3616e+00  6.3822e+00
 -2.2441e+00 -5.6063e+00 -1.5498e+01 -2.0045e+00  1.5664e+01 -7.4311e+00
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  1.3823e-01 -1.6145e+00 -2.4693e+00 -6.9598e+00 -3.3928e+00  6.1097e-01
  7.1376e+00 -4.2737e+00  5.1006e+00 -9.4068e+00  1.0899e+00  1.8832e+01]
— [-4.2436e+00 -2.4624e+00 -5.8211e+00 -3.0573e+00  6.4241e+00  4.2412e+00
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  2.7831e-01 -9.5012e+00 -5.6713e+00  2.8134e+00 -1.5502e+00 -4.6286e+00
  3.3486e-01  5.4719e+00 -4.2054e+00  6.1416e+00 -4.3186e+00  1.6768e+00
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 -1.9688e+00  2.1909e+00 -3.5358e+00  3.8738e-01 -5.4106e+00  4.3067e+00
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  3.0031e+00 -5.4631e+00 -6.7658e-02  1.2618e+00  6.1451e+00 -7.9367e+00
 -1.1579e-01 -2.0288e+00 -3.6891e+00  3.3621e-01 -2.2453e+00 -3.1865e+00
  4.4028e+00  2.2261e+00 -7.2486e-01 -2.7978e+00 -9.0046e+00 -1.0573e+01
  5.7505e+00  4.1405e-01 -3.0097e-01  8.6225e+00 -1.7373e+00 -8.0771e+00]
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   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
   0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
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  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
  -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
  -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
  14.441    -13.343      1.224      3.2356    10.772     -3.7069
   7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
  -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
   3.2295    14.775      2.1246     7.2148     3.6015     3.3317
  11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
   7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
   3.1062     0.87365   11.799     -3.936      5.7646    10.454
   4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
  -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
  -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
  -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
family [-1.9005e+00 -1.2448e+00 -6.6787e+00 -3.9156e+00  5.2751e+00  1.6581e+00
  4.8598e+00  3.3739e+00  1.6401e+00  3.0211e+00  7.9786e+00 -1.4597e+00
 -1.0459e+00  7.3921e+00 -3.1713e-01 -1.7438e+00 -6.4969e-01  3.6728e-02
 -3.5989e+00 -3.6112e-01 -3.7792e+00  2.2885e-01  1.4302e+00  2.5237e+00
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 -7.7780e-01  1.3170e+00  2.9554e+00  1.7203e+00 -7.8831e+00  4.8084e+00
 -3.1050e+00  1.6811e-03 -4.9550e+00  2.6871e+00  1.7203e+00 -1.3846e+00
  2.9995e+00  4.7567e+00 -1.3341e-01 -6.0724e-01 -3.2893e+00 -6.1194e+00
  2.9937e-02  8.7021e-02 -7.9239e-01 -2.2097e+00 -2.3507e+00 -1.5475e-01
  4.2480e-01  1.1987e+00  3.7773e+00  1.2907e+00  4.5712e+00 -3.3536e-01
  2.3910e+00 -1.8485e+00 -8.3657e-01  4.1089e+00 -3.9498e+00 -1.4996e-01
  1.7484e+00 -8.3139e+00  3.5658e+00  2.5992e+00  2.5721e+00 -2.7068e+00
  2.0813e+00  5.2841e+00 -1.2342e+00 -4.0455e+00  1.3802e+00 -5.1966e+00
 -1.4081e+00 -2.6549e-01 -2.9794e+00 -3.5701e-02 -1.5759e+00 -5.1060e+00
  5.3154e+00 -1.2788e+00  4.4563e+00  3.4170e+00 -1.9444e+00 -1.6624e+00
  3.6385e+00 -1.6256e+00  1.1224e+00 -3.2107e+00 -3.2566e+00  2.4393e+00
  7.6526e+00 -7.9670e-01 -2.2940e+00 -1.5131e+00  1.1775e+00  3.2585e+00
 -1.2081e+00 -2.7353e+00 -6.1686e+00  2.0793e+00 -2.6349e+00 -1.6804e+00
  1.6170e+00 -1.3572e-01  3.3803e+00  5.8616e+00 -2.3326e+00  1.1113e+00
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  9.1542e-01  1.7665e+00  2.4831e-03  4.4549e-01 -2.3891e-01  1.9402e+00
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  5.3938e+00 -1.3662e+00  3.9844e+00  1.5901e+00  6.4973e-01 -2.4782e+00
  6.4959e+00  1.1614e+00  1.9866e+00  1.2485e+00 -4.2123e-01  9.9052e-01
 -8.3364e-01 -1.2003e+00 -2.1496e+00  7.4587e+00 -1.9845e+00 -2.1841e+00
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  3.2275e-01 -2.7074e+00 -5.4993e-01 -4.5279e+00  7.5976e-01  2.4379e+00
  4.0818e+00 -5.6438e-03 -2.2788e+00  1.0977e+00  2.7205e+00  1.3403e+00
 -1.0556e-01  2.0570e+00  2.0738e+00 -1.4132e+00 -4.4731e+00  3.6251e+00
 -5.4726e+00 -1.2852e+00  2.9414e+00  3.7690e-01 -5.0271e+00 -5.0284e-01
 -3.9496e+00 -2.7974e+00 -3.7798e+00 -5.9592e-03 -3.5765e+00 -6.3509e-01]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
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   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
technologies [ 9.7427e-01  2.4643e+00  2.0816e+00  3.5858e-02  1.5908e+00 -9.6500e-01
  2.8646e-01  5.6293e+00 -3.5191e+00 -1.9947e+00  5.5307e+00  3.4564e+00
 -5.2876e+00  2.4726e+00 -6.7172e-01  3.2100e+00  4.5189e+00  4.2472e-01
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  4.7800e+00 -2.0537e-01 -5.2307e+00  9.1373e-01  1.2733e+00 -3.4592e+00
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  1.1656e+00 -9.8924e-01 -5.2646e-01  4.6943e-02  1.6486e+00 -9.0942e-01
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  9.2859e-02 -2.2162e+00  3.6921e-01 -4.5184e-01  1.9355e+00  5.2143e+00]
that [-1.1026    2.9549   -2.8606   -1.3667    1.4727    0.71738   3.4901
  6.3061   -3.6046   -3.629    11.365     2.7854   -6.7335   -1.0798
  3.56     -0.40263   1.8463   -0.52346  -2.7275    0.36712   1.2417
  1.6445   -2.3611   -4.022    -2.4729   -5.3637   -2.0399    1.1219
 -4.464     2.2932    3.4888   -2.4263   -2.653     0.40974  -1.8156
 -5.2315    0.45681  -1.26      4.727     2.8368   -2.6598    0.3576
  0.37915   1.7808   -2.3917    3.9518    0.53211  -4.7774   -4.6032
  6.1087   -1.9083    0.25249   0.50994  -8.7292   -3.5088   -2.6923
  2.9256    5.4577    1.7118   -0.79037   0.97334   0.66795  -0.029033
 -3.4519    4.1721    4.2327   -6.5873   -7.1016   -0.4353    4.821
  3.47      4.2195   -3.0069   -0.92575  -5.8411    4.2269   -4.0547
  3.3707   -4.5552   -1.2039   -6.2105    0.90598   2.9801   -0.20015
  4.4202    1.1304   -2.4904   -3.415    -0.16451  -2.3495   -1.7352
 -0.41598   4.9371   -8.3044    2.445    -0.21733   3.5243   -0.12813
  0.54667   2.1744    4.6216    1.1127    3.4166    0.083843 -2.8649
  3.4561   -0.83092  -1.9061   -1.1323   -4.5565    1.8586   -0.77585
 -0.8545    1.4706    1.2393    6.2904   -5.2298   -2.5541    1.6014
 -1.3459    0.34584  -4.1177   -0.76082   1.9928   -1.2981   -5.5654
  3.3592   -4.1773    0.70644  -4.0012   -5.0159   -2.4628    6.0541
 -2.8684   -4.2177    4.1829   -3.3499   -0.27111   7.4511   -2.8933
 -4.3003   -1.7229    1.7003    2.4668   -2.2459   -1.017    -3.8604
  1.8109    1.3996   -2.1237   -1.1071    6.766    -3.3148   -0.058031
 -2.9121    3.1677    4.0648   -3.3218   -2.887    -1.6031    0.49561
 -1.9848   -3.6298   -0.72379  -5.0131   -3.6774   -4.4376    1.5468
 -0.36992  -0.093664 -0.90482   1.9516    3.4298   -0.55738   3.7722
 -1.0096   -2.6668    0.58784  -1.5959   -3.5972   -1.0757   -2.1156
  3.8987   -0.29294   0.13559  -1.6104   -4.2491   -2.9298    8.7716
  3.4345   -0.093289 -3.3644   -0.19644  -1.0306    0.15347   0.93638
 -5.3707   -1.2678    2.3577    2.9923   -4.1331   -1.2342   -0.96967
 -2.126     4.1215    5.6283   -5.2027   -0.84736  -3.6309   -1.9085
 -0.1037   -1.2241   -3.8015    2.2133   -0.78845   5.9246    1.2909
 -1.89     -0.45187   1.0721   -3.0825    3.7724   -0.64483   1.937
 -4.4417   -1.5401   -0.95472   3.7788    1.1155    1.7082    0.24382
 -2.0952   -3.2531    2.4627    4.8855   -0.94774  -0.20248   6.7752
  1.0926    0.68681   1.4386    1.4026    1.8937    0.034888  1.1532
  0.79757  -0.30592   2.6138    3.062     4.6572    1.152    -0.22551
 -8.7277    3.5181   -0.82623  -5.8483    3.5101    2.3214   -1.3161
 -1.4044   -2.251     7.2008    5.9611    3.6875    2.9592    0.91469
  1.3636    7.8536   -8.4163    1.5133   -1.0745   -1.3165   -0.37429
 -1.912    -0.92598  -5.3115    2.2829   -4.0417   -1.8753    4.2258
 -0.34586   0.33832   1.9397    2.2132    8.4311   -3.032     4.8693
  0.5024   -2.2393    1.1843    3.2382   -0.25617   3.9037    1.7224
 -5.0489    3.0914    2.5741   -0.19013  -2.9214    2.5851  ]
aims [  3.9726     5.3099    -0.033476  -3.3661     3.8498    -2.4866
   5.6935    -0.91019   -0.27363   -0.44583    5.4854     0.95816
  -4.6469     3.1017    -7.0228     2.7461     0.70093   -4.6916
  -2.3252     0.4418     1.1877    -2.005     -0.77613    0.29159
   0.60962    2.4543     0.14328    3.8363    -0.28576   -0.78656
  -1.8603     2.1339     4.308     -5.7325     0.18636    1.977
   5.0325     0.21177   -1.8254    -1.9019     1.0165     1.0413
  -2.7883    -2.6517    -5.9614     3.6446     2.9676    -0.39221
   2.7662    -5.2912     2.8998    -1.9389    -0.042231  -4.7126
   1.2107    -0.36465   -1.633      1.2309     1.4017    -1.0988
   8.9958     1.1843     1.6858     1.039     -0.31886    6.7089
  -4.8983   -11.109      2.6386    -4.2082     3.5883     1.6655
  -2.8555    -1.2566     0.10089    1.9217     0.65427    7.446
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  -1.4559    -3.275     -2.9367    -1.8861     0.39659    4.9485
   0.93054    1.4424    -5.8622    -8.3593     2.2579    -2.7367
   2.261      2.1787    -8.0184    -4.2788     5.3459     3.6959
  -2.5436    -2.648      0.82014   -1.9706     1.6222     0.64302
   2.7997     8.9159    -0.66625    3.5532     1.1894    -6.2513
   2.3418     2.2264     3.3574     4.8247    -3.7827     0.50469
   2.0907    -2.3621    -0.72331   -6.2214     2.6333     0.48033
  -1.9112    -1.037      9.0548    -3.0343     1.4852     3.7415
   1.5355    -3.6631     4.6999    -5.4246    -4.5122    -8.4143
   7.402     -4.0343    -0.68163   -2.4582     3.6787     4.7612
   3.2985    -1.9159    -1.3439    -4.4599    -1.3564    -0.41398
   3.8449     3.7068    -2.7542     5.5572     1.1367     6.1104
   5.3385     4.609      5.0765    -9.6697    -3.0022     0.66982
   4.472      0.65114    1.8065    -0.62349    0.201      5.3982
   1.9812     3.2223     1.2706    -0.093118  -1.4328     2.9369
   2.9666   -10.683     -2.1417    -1.7782     6.0421     1.4775
  -0.92627    0.38317    5.1927     0.31917   -7.9904    -3.7185
  -5.1994     6.0294     0.66783   -2.0155    -1.5939    -2.1924
  -7.9774    -1.7259     1.8985    -1.2143    -0.97021   -3.0991
   4.5024    -3.3797    -3.1697     0.28482   -2.4025     0.048852
  -3.4864     2.8971     1.3984    -4.0418     1.3796     1.1515
   2.8091    -2.9278    -3.6207     0.46063   -0.42277   -2.4989
   6.096     -1.2464     4.574     -5.3217    -0.15523    0.56432
   0.97431   -1.6954     0.71201   -5.1073    -4.4407    -0.71125
  -1.2301    -2.1791    -1.8937     0.11778    0.78868    0.30482
   1.3976    -0.84689    1.8551    -2.2878    -2.0683    -2.6055
   2.5391     1.3315    -0.078229  -4.7205     5.8336     2.1244
   1.6734    -5.3512    -0.80325   -0.23139    2.0217     5.5883
  -2.8132    -0.64219   -1.1633    -2.7457    -0.54371   -2.3173
   7.3652    -2.2881     2.9301    -4.1102     4.3484    -2.5437
   0.57122    2.15      -2.9548     3.7275     4.7346     5.1229
   4.7996    -1.82      -1.6345    -3.6508     0.81222   -2.1762
  -2.397      6.0871     4.2587     0.57944    0.65489   -0.64736
   5.1785    -3.061      0.59719    5.2116     3.6484    -2.8883
  -2.9152     0.11353   -0.8426     1.5248     0.73357    4.1586
  -0.70068   -3.5127     0.056464   0.92972   -4.506     -0.37245
   5.1145    -1.3618     3.6503    -1.8721    -1.4152     5.8925  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
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 10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
-13.363     12.089      0.15567   -8.773      0.63318    1.6568
 13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
 -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
  0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
  6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
  2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
-10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
 -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
 -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
  1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
  2.4237     1.6805     2.7494    10.424      0.99916   10.243
  0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
  3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
 -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
 14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
 -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
  1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
 -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
 -4.1231     4.8027    -6.24      17.979      8.1697    14.307
  4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
 -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
 -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
 -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
  0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
  4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
create [-6.3687   -1.1775   -1.7525   -1.3735    0.58874  -1.4016    1.2289
  2.7455   -7.0972    0.89928  10.201     2.4838   -4.962     3.7317
  6.6693    2.7679    0.35702  -0.53938  -0.70197  -2.1036    0.45239
  3.1197   -0.71363   1.9021   -0.49338  -2.6564    0.06002   1.8744
 -7.9483    0.98178  -0.36486   0.9064   -2.9402   -0.50885   0.67042
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 -3.3506   -1.0758   -3.5493    4.7392    3.4379   -4.0037    0.29257
  0.96561   4.3005    2.3593   -0.158    -5.6935   -3.3483    0.26251
 -2.4811    6.6469   -1.9892   -5.4889    0.84309  -1.481    -3.7034
 -2.3111    3.1892    4.7394   -6.5587   -7.2322    2.1829    4.1145
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 -0.96124  -1.5286    0.44875  -8.036    -1.843     5.3161   -0.021876
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 -2.1401   -0.36685   1.5028    1.2087    2.4151    4.9168   -0.29735
  8.491     0.044137 -2.3125   -2.5736   -1.0351    5.5552    1.5395
 -5.7055    1.6803   -1.2259    2.3403   -5.0955   -5.1289   -4.3245
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  2.3865   -2.1695   -1.9453   -1.6554   -2.3112    1.6422   -2.5633
  3.028     3.5681   -1.9453    1.1102    2.6387   -3.9974   -5.2144
  2.6789    2.351     7.6868   -0.49578   5.3347    0.011566  3.0033
 -4.6723   -1.4602    4.9038    3.2774    2.0082   -1.1994   -2.0859
  1.8592    0.089936 -0.46998   0.14834   1.7665   -3.1414   -5.2505
  0.96987  -4.8442    2.2877   -1.1898    3.8033    0.62758  -1.22
 -0.57593   4.5719    0.25219  -4.9888   -3.3545   -4.3924   -0.26145
  0.82971  -3.9004   -1.6497   -4.3612    2.9312    0.42859   2.4781
  1.3215    0.74795  -4.3304   -3.3773   -5.764     0.95092   2.1506
 -4.265     0.048648  0.88228  -2.3255   -0.98566   0.94218  -1.7181
 -1.6664    0.94108   3.8317   -6.6783    1.0718    6.2822   -0.41902
  2.72     -2.8999    0.56378   2.5491    0.15315   5.1763    2.9537
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  2.1012    0.48106   1.9049    2.7693    3.4039   -4.0655    0.90914
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  4.0585   -0.62687  -0.77902  -1.4941   -7.6345    2.7349   -5.92
  3.3124   -6.7777   -1.9361   -0.25      1.4566   -2.672     1.1793
 -1.9305   -2.1121   -1.9764   -5.3613    2.2997   -1.413    -0.45957
 -1.1788   -1.5186    3.4739   -0.37444   1.5699    3.0047   -0.96227
 -1.6753   -1.4335   -3.6033   -4.4619    4.173    -3.2936    0.32434
 -3.2296   -4.0159   -2.6725    4.153    -2.6667   -6.0819    3.8048
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new [  2.593      4.3454    -1.466     -1.2656     2.8705    -1.0454
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  -1.162     -1.4982    -1.3581     2.5729    -4.4691     2.4734
  -7.4885    -3.4676    -0.53598   -4.7145     2.3582    -3.3043
  -1.4018    -1.6854    -1.849     -8.1435     2.9397     1.2055
  -1.2674     0.91577   -4.5172     5.8075     1.1925     1.8979
   6.1388    -1.0358    -4.074     -4.2188    -5.163     -4.5361
  -3.4362     0.93389    0.064014   7.9496    -0.030416  -4.0014
   6.7745     3.6638     2.012     -0.11265    1.8488     7.2057
  -0.16971   -6.9102     1.1711    -2.4398    -7.195      4.2683
   0.9006    -5.7203     2.7967     1.7126    -1.569      3.2519
  -4.4507    -4.2083    -8.8073    -1.4641     1.3351     2.531
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  -7.5258     1.1667     1.783     -4.8047    -0.38959    6.4523
   5.616     -1.901     -0.99175    1.4726    -0.32424   -2.3112
   1.9398     2.9423     3.6352     2.0828    -0.52848   -2.1444
  -1.0336    -3.8658     0.45486    6.263      4.24       1.8398
  -1.1294     2.5817    -1.7117    -4.876      0.91463   -4.1707
  -5.2296    -3.82       4.4567     7.3578     1.7327    -7.7043
  -4.4421    -3.4787    -3.737     -2.7298    -7.66      -4.6807
   1.9748     7.0736    -6.7904    -2.494     -2.8548     2.2308
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  -4.4216    -2.3651    -9.9652    -3.6435     1.7108     3.3328
   0.98232    2.6576     5.5048     1.0036    -4.5437    -6.3586
   8.9333     2.4981    -1.7065     4.0213    -2.8199    -4.6651
   3.14       2.8622    -5.3182     4.328     -7.1448    -1.9938
   4.8681    -4.8602     7.4712    -2.2579    -0.52421    9.8737
   0.98574    2.9149    -1.1721     4.2751    -1.7765    -0.86623
  -0.3788    -2.0966    10.215      2.2004    -4.3389    -7.0367
  -4.1728     0.45066    0.79991    7.1456    -2.2799    -1.039
   3.8125    -2.5397     1.1817     6.3209    -4.2526    -5.3255
  -4.9938     1.113     -1.652    -10.44      -1.2328    -2.1638
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   3.1139    -2.9807    -4.1624    -1.5465    -4.4951     3.6024
  -5.6035     8.0356    -6.8933    -5.2434    -0.3394    10.198
  -1.2923     0.85054   11.64      -1.7606    -9.458      3.2441
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  -2.0008    -2.2498    -4.4335    -5.4842    -8.6771     3.7767
  -1.4648    -3.6131    -0.32584   -1.2759     1.0388     2.1735
  -6.3862     0.52232    1.0004    -1.0593    13.228      1.2324
   0.46648   -0.23821   -5.0459     1.6792     3.4703     6.1179
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  -3.7357     5.055      1.9308    -0.78488    2.3444     9.5688
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  4.3340e-01  2.3565e+00 -2.9859e+00 -1.0575e+00 -6.0650e+00 -9.3495e-01
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  3.0488e+00 -7.6900e-01 -1.2857e+00 -3.7659e+00 -2.2801e+00 -3.6999e-01
  7.7951e+00  4.2204e+00  4.6498e+00  3.4822e+00  2.9039e+00  2.2439e+00
 -1.8375e+00 -5.1010e+00 -3.4775e-01  2.1304e+00  5.2504e-01 -2.9418e+00
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 -4.8914e-01 -1.9965e+00  1.7559e+00 -9.7327e-01 -9.7464e-01  5.5097e-01
  1.8622e+00  9.2131e-01  3.1086e+00  3.0548e+00  1.6227e+00  1.9250e+00
  5.1054e+00  1.3962e+00  1.5861e-01  5.9095e+00 -3.2300e+00 -3.9197e+00
 -6.8823e-01 -1.8542e+00  1.9977e+00 -1.2801e+00 -2.5540e+00 -7.9268e-01
  3.5503e+00  4.7723e-01  2.0599e+00  2.0810e+00  3.9451e+00  1.2712e+00
  1.1994e+00  5.6537e-01  7.9628e+00  5.1540e-01  2.6381e+00  1.5253e+00
 -1.4806e+00  2.3691e+00  4.8063e-01 -3.1927e+00 -1.1336e+00 -1.5397e+00
 -9.7280e-01 -2.4940e-01  8.2999e+00 -3.8809e+00 -5.2335e+00  3.8502e+00]
by [-1.3597e+01 -1.0160e+01 -7.4742e+00 -1.3009e+00  1.3852e+00 -5.3938e+00
 -1.7497e+00 -1.2037e+00  3.1916e+00 -6.0399e+00  3.6275e-01  5.7089e+00
 -7.7879e-01 -2.6699e+00 -4.4955e+00  1.0229e+01 -3.7741e+00  1.9941e+01
  4.0958e-02 -1.3433e+01  5.4055e+00 -7.0700e+00  2.2493e+00 -9.7722e+00
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 -3.2950e+00 -3.7326e+00  8.3273e+00  1.5640e+01 -4.1683e+00 -5.0697e+00
 -2.1652e+00  8.9145e+00 -7.8934e+00 -6.4565e+00 -1.5982e+00 -3.9832e+00
 -1.3400e+01  3.4655e+00  2.3495e-01 -1.4508e+01 -4.8664e+00 -6.9833e+00
  1.4518e+00  7.9584e+00 -1.1975e+01  1.1990e-01  6.3816e+00 -6.3773e+00
  2.7450e+00  9.0274e+00  4.4057e+00  4.5512e+00 -2.3472e+00  1.5977e+00
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  2.1765e+01  2.6785e-01 -6.9453e-01  1.1342e+00  3.4244e+00  1.0512e+01
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 -1.2971e+01 -1.6496e+00 -2.7124e+00  2.6460e+00 -1.0813e+01 -1.1220e+00
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  2.1732e+00 -8.4872e+00  9.6167e+00  4.4229e+00 -4.4991e+00  6.1827e+00
  1.0363e+01  1.4996e+01 -9.3410e+00 -5.5842e+00  5.2312e+00  2.9647e+00
  4.6641e+00  1.6112e+01  1.5981e+00 -1.4312e+01 -1.0820e+01  8.6827e+00
 -4.2261e+00  1.2459e+01  7.2078e+00 -2.4991e+00 -4.2974e+00  7.9631e+00
 -1.7914e+00  4.1097e+00 -7.7312e-01 -1.5212e+01  5.8616e+00  1.1439e+01]
training [ 1.4271e+00  1.3564e+00  1.8463e+00  2.3565e+00  4.4220e-01  1.5201e+00
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  2.6644e+00 -3.9402e+00  5.9133e-01  2.1291e+00 -5.3382e-01  3.2474e+00
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 -2.1820e+00  1.4317e-01  7.3720e-01 -2.9350e+00 -2.9902e+00  3.6793e+00]
algorithms [-7.8099e-01  3.0394e+00  2.6835e+00  1.1991e+00  1.8776e+00  2.0641e+00
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  3.1469e+00  3.3644e+00 -8.4614e-01  9.7027e-01  4.9460e+00  6.5927e-02
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 -6.5011e-01 -1.0818e+00  1.5135e+00  3.2465e+00 -1.1096e+00 -2.3132e+00
  6.2368e-01 -3.2294e+00  1.1337e+00 -1.4751e+00  1.5906e+00 -3.1550e+00
  8.3197e-01  5.6925e-02 -2.3942e+00  2.3349e+00  2.9603e+00 -1.1497e+00
  2.3593e+00  2.9620e+00  1.9340e+00  5.6802e-02 -9.2749e-01  1.7613e-01
 -5.7928e-01 -4.3612e-01  5.9104e-01  9.1156e-01  3.0426e+00  1.2299e+00
  9.3036e-01  2.2573e-01  9.2456e-01 -1.2781e+00  3.5163e-01  2.9519e+00]
on [ -5.1644     0.37588  -12.979      6.4501    12.282     -6.894
  -2.1295     6.3783     6.8268    -1.9674    -3.0459    15.604
  -4.4114     2.6695     6.5306     7.9306     6.462     -4.5929
   6.6779    -3.3701     0.7235   -14.288     11.688     -1.5876
   4.6762    -0.12351    0.40614    1.6251    -9.0457     2.2636
  -9.9742    -0.99827   -7.3057   -16.441     10.57      -8.9467
  -6.1169     1.0966     1.1533     5.0548     6.9433     2.7976
   4.0385   -10.254      1.6543    -2.6761     9.4312    -6.7178
  -1.1029    12.858      0.16087    1.9361   -20.521     -9.4667
  -3.79       7.6723     4.1902     4.4285    -7.7376     8.0799
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   0.94208   -0.65119   -8.0272     2.5939   -13.054     -6.9314
 -12.771     -3.9418     1.2421    -3.778      9.7632    -3.0477
  -6.3561     0.32582    0.23982   -8.7349     1.7952     6.4242
  -4.1705     0.31118   11.281      1.0591    -7.1079   -11.568
  -2.4303    -4.8778    -1.9376     0.19282   -4.9268   -10.487
   6.6852    -8.0822    -1.1265     4.6279    -1.0307    -2.5203
  10.88       8.8841    10.141     -1.8135    -0.99151    1.7099
  -4.9591   -13.291      8.7431     5.3298    -7.1581    -5.6555
  11.085      1.7293    -2.6437    -6.3318    -2.0692    -8.9679
  -0.96731   -5.0771     7.6998   -12.223      2.9264     5.1296
  10.782      1.5613     5.2318    -6.3391    -4.2381     3.8213
  11.121      5.038      6.2836     5.8484    -9.0569    -2.2652
   4.5106     1.5482     7.0571    -4.4808    -5.1193    -3.8884
   6.2556    11.714    -11.033     10.66       4.6303     3.4309
  -3.7548    12.328     -3.8103    -5.1119    -1.6713    -0.29489
  -0.83736    1.7867    -2.6334     8.4909     1.1187   -11.104
  -1.1288    -0.4442    -7.2217     4.8274    -7.3283     6.6037
   1.7418     8.3055    -9.1563    -6.2955     0.70904   -1.5316
  -3.9727     2.1384   -10.73      -2.5498   -13.581    -13.251
   7.9649     3.5058     4.5801    -1.2867     0.82607    2.4572
   0.84826    1.9776     5.7439    -3.0336     7.0412    -2.1809
  -2.5958    -5.3713    -6.036     -3.6573     2.3026     3.5773
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  11.329      3.1368   -12.82      13.55      -6.0564   -10.197
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   1.8024    -5.7598    -0.57791   -4.8671     0.19418   -0.51796
   2.3978    -8.1706     5.201     -5.3545     3.8467    -1.9522
   6.2328     3.1725    -7.438      3.9426    -4.1872    -2.1013
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  -5.882     -5.9477    -2.2833    -6.6005    -5.1908     2.3649
  -2.5351    -2.9763   -11.257     10.302      5.0335     0.50626
  -7.8366     4.5668     0.79684    1.8886     6.0998     5.546
   5.6222     9.4147     8.7242    23.678     11.87       1.5342
  10.826     -3.0042    -5.0521     3.8545    -3.1165     0.44016
  -4.2141    -7.2481     1.9607    -7.6449     5.5237    -7.5878
   9.7467     3.4266     3.5488    -1.7198    17.089      4.7331
  -1.3297     7.8634    -4.4486     8.4561   -10.377      0.37455
   2.3249     3.2802    -0.63255   -3.8492     2.7231     1.8247
 -11.873      0.32242   10.403     -0.083841  -5.4552   -11.212   ]
massive [ 2.3534   -1.3305   -1.4691    2.6328    1.6535   -0.62195   1.952
  6.6692    1.4701   -1.3792    3.6839    1.7643   -1.8536    3.1142
  0.8043    3.3263    2.2059   -0.72204   0.78088   0.95068   1.8174
  3.7795   -0.49928  -2.762    -0.86332  -1.9477    0.25681  -3.7323
  2.6113    1.4378    0.067024  2.1933    2.5548   -2.2421   -1.5113
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  5.3932   -0.1126   -0.14023  -0.7659   -2.3579   -2.4264    0.28859
  2.9006    2.8767    2.8034   -0.39136   1.9939    1.6037    0.63943
 -2.5809    1.9917    1.7837   -0.026437  0.24435   1.7801    0.77637
  0.41172  -0.24468  -5.0036    1.2091   -2.7391   -0.73033   1.0568
 -0.65353  -1.1438    0.85868  -5.9175   -0.84135   2.1238    2.9592
  0.47213   1.3075    0.73331  -3.0674    1.5546   -0.88501  -0.44436
 -0.085899  1.091    -4.2489   -0.78205  -1.133     5.8758   -0.63767
  1.6901    3.6884    1.264     2.1414    4.777     3.2694   -2.7026
  3.9144    0.57516   0.061008  0.90444  -2.8768   -1.1793    4.1201
 -1.063    -1.9187   -0.018048 -0.82695  -1.1758   -1.953     2.7776
  2.1284   -4.1646   -1.8895    1.6624    3.6651   -1.5499   -5.0469
 -2.0361    0.88426  -0.77779  -0.01891  -1.9803    2.5464    4.3904
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 -0.13965   0.019717 -1.3389   -0.17593   1.202     3.4262   -5.1508
  0.5442    1.9733    0.60415  -1.7234    2.0735    0.22617   2.0203
  1.9798    1.3035    0.99082   1.1714   -0.8781   -0.86011   1.3257
 -0.6449    1.5022    3.0287   -1.34      0.64214  -0.33148  -0.43883
  2.3639    0.47946  -0.166     2.733    -0.51304   0.76043  -1.8199
 -1.4159   -1.3912   -0.030754 -0.48348  -0.87567  -3.292     0.66138
 -0.93877  -1.523    -1.9208    0.23074  -1.99      1.3975   -0.27909
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 -2.4986   -2.5005   -3.698    -0.43811  -3.2845   -3.4807   -1.4219
 -1.6237    1.7737    0.27193  -4.6675    3.2421    0.66434  -0.89808
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 -3.7142   -4.765     0.11582  -0.69303   2.4486    0.6723   -2.4331
 -1.7238   -0.56627  -0.64523   2.6783    3.2873   -1.8705    5.4584
  0.076153 -1.8286    4.7904    2.6577    2.3831   -2.1423   -1.7942
  1.3161   -0.13748   1.0949   -0.89081   0.73826   2.1374   -5.0407
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  0.25288   2.9793   -2.3058    0.61472   1.8924    0.23207   1.3367
  0.69458  -0.6051   -2.6308    2.7966   -2.6526   -3.3806    1.786
 -0.18455  -0.52046   1.4969   -1.461     1.9919   -0.7209   -3.6038
 -0.038814 -2.6282    0.70616  -1.5117    0.32972   0.68208   2.3816
 -1.181     3.0745    1.2733   -0.61537  -3.1337    1.9918  ]
data [  8.433     -0.62196    4.5699     4.2771     7.5471    -3.4932
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  -3.0099    -4.3483    -3.1446     0.84766    1.8647     3.0901
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  -5.7289     6.3868     3.8284    -1.4642    -4.3758    -1.4041
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   2.6549     7.1357    -0.91995   -3.7897    -2.269     -0.32706
   1.1645     7.8238    -4.0648    -1.5901    -2.4371     4.4673
  -0.03972  -11.881    -12.262     -3.1402     0.20803   -0.63618
  17.097      4.5217    -1.2882    -3.4139     1.2379    -6.8088
   4.0803     5.2487     2.3712    -9.4767     1.3788    -0.70852
  -5.7741    -3.1941     5.0739    -1.0391     4.5978    -0.87431
  -0.7292    -4.7764     2.4639    11.421    -12.604      2.7578
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  15.768      4.377     -3.5032    -5.8835     5.3726    -0.48193
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  11.668     -8.2028    -4.0986     3.8376     0.20099    1.5494
  -4.7032    -1.3643     7.3142    -9.5133     5.4749     0.43895
   2.405     -6.0876     4.2026    -8.6914    -4.7631     6.0201
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  -8.4125    -2.4895    -2.8994     4.3663    -2.147      2.4737
  -4.8413     7.8004    -1.1266    -0.61805    3.4348    -2.6864
  -7.3901   -10.186      1.0281    -1.7216     7.3696    -3.9895
   3.0035     4.8118    -2.8967    14.909     -1.1002    -3.6253
   4.3881     0.38806   -0.34066    8.0022    -5.9174    -8.3849
  -0.44124   -0.92531    2.9864     1.8466    -2.0044    -2.7273
   0.2723    -1.7172    -2.0582     5.6129     6.0383     4.9308
   4.895     -2.3096     2.9366    -7.4218    -2.0618    -1.1766
  -7.5635    -0.69364    2.3743     0.99954    6.5449     3.7741
   0.91835    5.4069     6.4281    -9.2167     6.6996    10.385   ]
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 3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
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-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
```

```
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
U.S. [-3.8398e+00  2.7468e+00 -5.5801e+00  6.5437e+00  7.1942e+00  2.1112e+00
 -5.6101e-01  2.2143e+00 -2.0671e+00 -5.1385e+00  1.7188e+00  1.1425e+00
 -2.3498e+00 -5.3872e+00 -6.9533e+00  5.8755e+00 -2.0007e-03  5.1615e+00
 -8.1487e-01 -4.2704e+00  2.2181e+00 -7.5111e-01 -3.2445e+00 -1.2869e+00
  9.1536e+00 -2.0426e+00  3.0715e+00 -1.3080e+00  1.7401e+00 -6.1011e+00
  1.3838e+00  4.1919e+00  7.6382e-01  5.2573e+00 -3.0423e+00 -6.3640e+00
 -1.6485e+00  1.7182e+00 -1.0833e+00 -8.3223e-01 -1.2779e+00  5.8622e-01
  2.2892e+00  2.2775e+00 -2.2653e+00 -3.8903e+00 -2.1201e+00  6.2398e+00
  3.9708e+00  3.5454e+00 -4.6253e+00 -4.8576e-01  2.1291e+00 -4.8113e+00
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 -3.7773e+00  4.0917e+00 -3.2238e+00 -4.5884e-01  4.4334e+00 -1.8771e+00
 -5.8307e-01  6.6551e+00  2.3363e+00  2.2172e+00 -1.4463e+00  1.5435e+00
  5.8503e-01  1.8149e+00 -2.1425e+00  9.5656e-01 -8.0058e-01  9.6712e+00
  4.3660e-01 -2.0067e+00 -4.4166e+00 -5.2068e+00 -3.0760e-01  1.1043e-01
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 -2.5648e+00  3.8184e+00 -1.6351e+00 -3.6758e+00 -2.8163e+00  2.9814e+00
  3.4321e+00 -3.2364e+00  2.9047e+00  2.0708e+00  1.3584e+00 -5.2727e+00
  4.4858e+00 -3.9811e+00  3.0405e+00  8.5934e-01  2.0176e-01 -3.8807e+00
  2.8340e+00 -4.9649e-02  4.1895e+00 -2.3037e-01 -2.0105e+00  5.2012e+00
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  7.1938e+00 -5.4780e+00 -9.2148e-01  1.0893e+00 -2.3940e+00  6.7592e-01
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 -2.9295e+00 -1.3217e+00 -5.5790e-01  7.2303e+00 -1.0912e+01 -4.2159e+00
 -3.2560e+00  3.0686e+00  1.1389e-01 -3.8511e+00 -1.1132e+00  4.5154e-02
  8.7585e+00  2.3840e+00 -1.7807e+00  2.6957e+00  4.0190e-01  1.2093e+00
  3.9525e+00  2.3511e+00 -6.6632e+00 -4.2193e+00  2.6095e+00 -4.2332e-01
  7.5752e+00 -7.5573e+00  8.8310e-01  2.5330e+00  2.7720e+00 -3.1174e+00
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 -3.5272e-01  3.3444e-01 -3.9071e+00  4.7946e+00  3.5940e+00 -6.5439e+00
 -2.8876e+00 -7.1175e+00 -6.1845e-01  1.8138e+00  1.4327e+00 -1.0366e+01
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 -1.5732e+00 -9.1230e-01 -3.5644e+00 -1.3691e+00  4.1319e+00  6.2108e+00
  7.5334e-01  2.8869e+00  3.7490e+00  2.2732e+00 -5.0734e-01  8.5105e-01
 -2.8850e+00  3.9391e+00  7.7993e+00 -3.3763e+00  4.4629e+00  2.7235e+00]
Northern [-3.9286   -1.5513    1.9679    1.3189    3.0687   -2.7475    0.17139
 -0.033909  3.0456    1.8869    6.6436    0.38148  -2.2846    1.279
 -0.27574   3.0726   -1.3003    5.6255   -0.54376  -1.3488    0.11235
 -2.6865   -0.15429   2.4594    5.3805    0.55101  -5.3939   -2.604
  1.086    -1.0168   -1.0624   -0.55455  -1.7878   -2.1215   -3.7147
 -1.5935   -0.65176   2.894    -3.6442   -2.6314    2.8223    0.45219
  0.35249   1.8301    0.018548  1.0389    1.5582    1.2442   -0.80631
 -1.9003    2.2622    3.6594   -2.3159   -2.0073    1.996    -3.7995
 -1.2465   -2.0361    2.3368   -1.1532   -2.4446   -0.90508   2.2692
  3.1631    4.2022    2.9894   -5.8049    3.4443    1.6685   -0.70149
  0.42989   0.26257  -2.1404    1.0098    0.31981  -2.0409   -1.1626
  2.0108   -1.1571    1.4987   -0.5224    3.7797   -2.6528    0.65708
 -2.5957   -0.18789  -4.995    -1.7254   -1.2435   -4.1778    2.6377
 -3.1433   -2.641     3.7327    0.21426   1.3463    0.15927  -1.0662
  0.21079  -1.5924    2.8559   -1.7471   -0.67813   3.5674   -3.6139
  2.4808    4.1383   -2.1705    2.7986   -5.1475    0.31015  -1.1363
  0.077935  1.5755    1.1461    0.96174  -0.3088   -0.3356    1.8565
 -0.017867  3.0028    0.91064   0.50197  -0.42988  -2.0756   -1.7289
 -0.032389 -5.1003    5.5813   -2.9628   -3.94     -0.18949   5.7913
  4.2521   -0.41558   2.1358   -3.9648    3.5153   -1.7918   -0.46374
 -0.55429   0.28454  -1.8255    4.2647    4.3142    2.1875   -5.9489
  0.62597  -0.72806  -1.3029    2.1021   -0.049282  0.45811   0.61997
 -3.0676   -2.7396   -0.50952   2.0068    1.3738    0.27889  -2.7222
 -1.7651    1.2565    6.4865   -1.7561   -1.9745   -0.62667  -0.1817
  1.1528    2.879    -1.1364   -1.3526    1.5096    1.8208    0.014464
 -1.2863    0.83916   1.198     1.5588    1.8237   -2.6088   -2.2231
 -5.7877    1.914    -0.34847   5.7432    1.7409    6.1076    1.1021
  2.885     0.77145  -2.6449    1.6665   -2.7084    1.9869    4.2782
 -1.7171   -2.0901   -0.23866   3.8148    0.10002  -0.8698    3.2631
 -0.21671   5.2605   -2.3687   -0.6675    2.4983    0.62763   3.3975
 -0.47319   5.5096   -1.9152   -0.084418  2.337     0.20597   0.67251
 -4.3707    0.87846  -1.7323    0.22308   3.006    -0.15295  -1.258
 -3.2204   -0.59208  -0.73491   2.9732   -2.0276   -0.75135   2.6512
  1.073     0.65621  -0.93287   0.9779   -0.076768 -0.05188  -0.63737
 -2.4223   -2.3526   -1.8027    0.45445   3.4456   -0.033625 -4.6652
  2.2768   -3.1928    2.0127   -3.9757    0.21067   3.5962   -2.3114
 -2.9972   -1.0025    2.9833   -5.4409    0.66478  -1.4575    0.92729
  0.4302    1.1649    0.5544    3.3209   -0.17288  -0.34616   0.29065
 -0.38181  -1.7261   -3.8451   -1.7783   -1.2192    0.23523   1.5394
 -1.5624    3.0373   -3.3693   -1.0673   -3.9546   -0.50758   1.0921
  1.0487   -0.80327   0.82595  -0.15076  -0.70929  -2.8061    3.614
 -2.1519   -0.1257    0.8228    1.5219    3.8051   -2.362     4.345
 -3.4465    3.7758   -1.4591   -7.1823   -1.1326    2.2371  ]
Command [-0.63406   1.3131    5.4354    6.7725   -4.2298    3.4845   -5.4519
 -4.0302    2.9272    0.86596   5.0593    1.6841   -1.278     2.9905
  2.232    -1.3783   -0.018501  5.6649   -2.1463    3.0768   -0.31712
  0.75826  -2.4578    1.9098    6.7201    2.4694   -5.9349   -0.17147
 -3.4018    3.7854    0.10982   0.46555   2.0735   -0.13285  -0.022839
  0.4619   -1.3535   -0.080301 -0.76041   0.058301  0.062169 -3.9485
 -0.17291   1.3145   -0.81547  -1.2142    0.57324  -3.1846   -0.10479
 -6.4279   -0.2417   -1.6382    0.42095   1.5889   -1.2511    3.7488
 -6.7794   -2.4217   -0.68706  -0.72416  -1.5524    1.5748   -3.5586
 -0.7251    0.85047   1.3893   -2.1315    0.67389   1.7432    3.3308
  0.45758   2.0381    0.35746   1.7134   -2.1005    1.4041    3.6973
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  2.946    -1.6237   -0.79734  -4.488    -1.3371   -6.4734    4.8541
  0.79486  -5.1206    1.0385    3.566     1.4266   -0.060745  0.080026
  3.0169   -0.60006   4.5616    3.9473    0.43964  -0.54111  -0.36377
  1.7078   -0.49019   3.6341   -3.6976    1.0652   -2.8182   -6.6372
  0.94634   3.0743    2.1031    3.3308   -2.4925    5.108    -5.0162
 -0.31669   0.42766  -2.0138   -1.5838   -0.70283   1.9369   -1.9914
 -1.6928    3.6672   -4.4735    5.8966   -2.7132    0.78373  -2.4182
  3.7061   -5.519     4.1875   -2.9348   -8.9717    2.923     1.4982
 -0.2978   -0.83933  -2.5913   -3.5169   -1.6677   -1.3971    0.048995
  2.2931   -2.9349   -5.4565    4.2273    3.6246    6.384    -1.5172
  0.98639  -2.4809   -1.6361    4.879    -3.372    -0.92785   0.74013
  0.073659 -2.5813    3.6351    0.8835    1.9501    1.237     1.71
 -3.828    -0.48805   0.96449   0.88892  -2.3367   -3.2106   -2.4171
  3.1318   -0.78363  -3.2591   -3.6857    0.20376  -0.041971 -0.93883
  3.0813    2.4687   -1.7276    0.065819  1.8701    1.2348    3.682
 -0.16021   3.0572    1.6416    5.3993   -2.0625   -0.055931 -2.5093
 -2.9821    6.1199   -2.3071    2.3159    1.5066    1.3838    3.8973
 -2.5783   -2.3511   -1.3231    0.56412  -2.4132    2.8919   -1.4403
 -2.3804    4.9655   -1.2538    3.2336   -0.98989  -0.89703   1.3835
 -4.5526   -1.806    -1.5548    3.5367   -1.1106    0.29584   1.2462
 -0.60636   8.7011   -2.0656    3.0323    0.9964   -4.6663    0.17309
  1.139     1.653    -0.51051   3.552    -5.3663   -5.0032    3.1535
 -0.88913  -0.14961   2.2176    0.80445  -3.5476   -3.641    -5.1224
 -2.9287    4.8765    0.69571  -2.3834    2.0997   -2.5876   -0.24175
  0.29176   1.6096    1.6949   -3.2613    3.5917    3.1839   -5.785
 -3.803    -1.5499    1.4604   -1.4897    2.513    -4.9336   -2.5426
 -2.2936   -0.077137  2.312     2.8054    1.9357   -0.50086  -2.1944
  1.9221    2.2765    0.14921   0.73522  -1.0998    1.3515    0.13513
 -1.6808   -1.6409   -2.2104   -6.228    -5.1908    2.0274    3.2033
  2.4344   -1.2911    0.79185   0.61888   1.247    -0.37171  -0.2244
  1.5919   -0.16701   1.4123    5.0377    3.8646    0.80213   2.9087
 -5.1726    7.6244    0.28549  -2.399    -1.6536    6.3566  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
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  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
for [-7.0781e+00 -2.6888e+00 -4.0868e+00  4.2781e-01  6.6163e+00 -2.9513e-01
 -2.2938e+00  6.5233e+00 -1.3721e-01 -1.1938e+00  1.1289e+01 -2.5486e+00
 -8.9449e+00  4.0549e+00 -4.3579e+00  2.6526e+00  1.0640e+00 -3.4229e+00
 -3.0306e+00 -1.1901e+01 -9.1264e-01 -2.4397e+00 -4.6913e+00 -5.9531e-01
  1.5948e+00  3.6752e+00 -3.0180e+00  5.4013e+00 -8.6925e-01 -3.5179e-02
  2.1385e+00 -3.9474e+00  1.7777e+00 -2.3057e+00  1.4347e+00  5.3092e+00
  1.9593e+00  4.6148e+00  1.5348e+00  1.4134e-01  1.8673e+00 -1.4416e+00
 -1.3225e+00 -4.3128e+00 -4.9547e+00  3.8462e+00  5.4495e+00 -6.3469e+00
  1.1100e+00  2.8255e+00  3.0642e+00  6.2240e+00 -2.9186e-01 -7.2492e+00
 -3.0956e+00  4.7555e+00 -5.2598e+00  5.1925e+00 -2.1839e+00  5.6881e-01
 -3.1559e-01 -1.7550e+00  1.5968e+00  1.7115e-01  4.9641e+00 -1.5559e+00
  1.6138e+00 -7.3951e+00 -4.0073e-01  2.7806e+00 -3.5436e+00 -4.4851e-02
  1.3120e+00 -3.1891e-01  3.1981e+00  3.5639e+00  2.4453e+00 -1.0523e+00
 -3.3403e+00  1.0225e+00 -5.7122e+00 -1.6717e+00 -3.6713e+00 -2.8249e+00
  1.3862e+00 -4.3737e-01 -1.2423e-01 -3.7046e+00  4.0316e+00  5.9859e+00
 -2.5816e+00  2.5189e-01 -2.0240e+00 -3.3970e+00 -7.8736e+00 -8.6327e+00
 -2.0470e+00 -8.5102e+00 -1.9796e+00  1.8714e+00  3.1721e+00 -4.1189e+00
 -1.9147e+00  1.3118e+01 -7.6743e-02  8.0296e+00 -7.0496e-01 -4.8340e+00
  3.8348e+00 -2.9934e+00  2.4532e+00  7.7714e-01  1.7467e+00  9.9351e-01
  1.5848e+00 -4.8852e-01 -8.9881e-01  7.0080e-01  1.1431e+00  1.1317e+00
 -5.9354e+00 -4.2196e+00 -2.0717e+00  6.6337e-01  9.1349e-01 -2.8043e+00
 -7.6580e-01 -2.6009e+00  4.5305e+00 -1.7351e+00 -4.0625e+00  2.2515e+00
  1.7439e+00 -4.2035e+00  4.7313e+00  9.0519e+00 -8.9775e-01 -3.0623e+00
  5.4121e+00  3.6922e-01  7.7216e-01  6.8835e-01 -2.3799e+00 -1.9479e+00
  1.7202e+00  1.6276e-01  3.4704e-01 -7.0878e+00 -1.1782e+00  7.2757e+00
  3.2876e+00 -1.1235e+00  1.7258e+00  7.8614e+00 -4.2899e+00 -6.5229e-01
  3.1328e+00 -3.5727e-01 -7.0618e+00 -3.5326e+00  1.7116e+00 -1.2378e-01
  4.7949e+00  9.4827e+00  1.3678e+00 -4.2841e+00 -8.7658e+00 -2.4761e+00
  1.6645e+00  2.1011e+00  7.5750e+00  2.3807e+00 -4.3393e+00  4.7744e+00
  1.9236e+00  3.1458e+00  3.4754e+00  2.6047e+00 -3.5096e+00  9.9934e-01
 -4.4714e+00  2.0981e+00  7.8886e+00 -2.6196e+00 -3.5528e+00  1.8814e+00
 -2.6222e+00  4.0241e+00  3.9460e+00  7.5522e+00 -2.2052e+00  2.6447e+00
 -8.1337e-01  9.5488e-01 -3.0366e+00 -9.0748e-01 -4.7438e+00 -4.2712e+00
  1.1800e+00 -4.7609e+00 -5.4633e+00 -3.9694e+00  5.6555e-01 -3.9886e+00
  7.2653e+00  5.6389e+00 -7.4857e+00  9.4467e+00  2.2679e+00 -1.4530e+00
 -4.2374e+00 -3.4093e+00 -1.3828e+00  2.7058e+00  5.2391e-01  5.3747e+00
  2.3472e+00 -5.8943e-01 -1.2101e+00  5.1435e-01  1.7745e+00 -4.2672e-01
  3.1844e+00  9.9077e-01 -6.6973e+00 -4.9109e+00  5.6170e-01  2.0237e+00
```

```
  3.7532e+00  3.2220e+00  1.7112e+00 -3.6127e+00 -4.2027e+00  5.5539e+00
  7.3436e+00  1.0632e+00 -5.6495e+00 -5.7476e+00 -6.8279e+00 -4.2330e+00
  1.4845e+00 -3.9018e-01  5.3645e+00 -1.2805e+00 -1.4769e+00 -2.2766e+00
 -7.2178e+00 -2.2299e+00 -1.3992e+00  4.3860e+00  3.8824e+00 -1.1210e+01
 -5.3397e-01 -3.1554e+00 -4.7009e-01 -1.2505e+00  3.9731e+00 -5.1367e-01
  6.6426e-01  1.6668e+00 -2.1447e+00  8.6215e+00  2.7532e-03  2.5093e+00
  3.5316e+00 -2.4274e+00 -5.2732e+00  4.0067e-01 -4.1987e+00  1.8259e+00
 -4.9884e+00 -4.3332e+00  5.0488e+00 -5.5820e+00 -6.7443e-01 -4.3274e+00
  2.3369e+00  1.0846e-01  5.4184e-01 -6.9849e-02  5.5594e+00  1.7601e-01
 -3.3527e+00  5.8217e-01 -8.5895e+00  5.7321e+00 -9.4314e-01  1.8558e+00
 -6.4604e+00 -1.0613e+00 -3.4207e+00 -4.3524e+00 -1.8268e+00 -6.9293e-02
 -2.1578e+00 -4.0668e-01 -3.4751e+00 -1.0645e+00 -5.5365e+00  2.4746e+00]
example [-3.4108e+00  7.2826e-02  2.2763e+00 -5.1429e-01  2.9572e+00 -1.3234e+00
  6.2376e-01 -5.9038e-01 -3.7747e+00  6.9917e-01  6.8282e+00  5.4637e-02
 -4.7001e+00  2.1387e-01  7.4225e-01  3.0166e+00  6.1681e+00  1.0140e+00
  7.6271e-01  1.2977e+00 -4.1224e+00 -9.7810e-01 -3.1573e+00  7.6816e-02
 -3.9395e+00  6.6284e-02 -2.3236e+00 -5.1642e-01 -9.6846e-01  9.7562e-01
  8.0386e-01  2.5382e+00 -1.1009e+00 -1.3999e-01  5.1939e-01 -3.8697e+00
 -1.5582e+00 -4.0255e-01  3.0560e+00 -4.2893e-01 -7.8680e-01 -3.3108e+00
 -1.6503e-01  3.7717e+00 -3.4367e+00  9.8194e-01  1.3303e+00 -2.5099e+00
  4.0961e-01 -1.0088e+00  6.2576e-01  3.2610e+00  1.6161e+00 -1.8026e+00
 -3.8388e+00  8.0944e-01  8.8902e-01  1.4384e+00  3.4208e+00 -1.5344e+00
  1.0788e+00  8.7518e-01 -2.9194e+00 -3.8643e-01  1.2484e+00  4.2943e+00
 -1.9840e+00 -8.1230e+00 -1.6003e+00  7.1611e-01 -6.6776e-01  3.6168e-01
 -3.9085e+00  2.6052e+00 -1.2579e-01  2.8099e+00 -4.1043e+00  1.2927e+00
 -1.3711e-01  2.0474e+00 -2.3247e+00  1.1459e+00  1.7274e+00 -2.5338e-02
  8.9368e-01  1.1034e+00 -3.5934e+00 -6.4995e-01  2.8367e+00 -3.0548e+00
  9.1849e-01 -2.2287e-01  4.4113e+00 -3.9908e+00  1.4881e+00 -5.7692e-01
  1.1102e+00  9.8575e-01 -1.1690e-01 -1.0061e+00  6.4122e-01  2.0439e-01
  1.5958e+00 -1.2959e+00 -3.2692e-01  4.5868e+00 -1.7056e+00 -1.7346e+00
  1.4228e+00 -1.0870e+00  2.1465e+00 -1.2941e+00 -3.0168e+00  9.3207e-01
  1.7091e-01  2.2331e+00 -3.0113e+00 -1.5528e+00 -1.4297e-01 -2.3089e+00
 -4.0201e+00  3.2388e-01 -1.1686e+00  2.5065e+00 -3.4107e+00 -3.8030e+00
 -1.7286e+00 -3.1712e+00  5.9396e+00 -1.8276e+00 -2.8770e+00 -8.8694e-01
  2.0768e+00 -8.7656e-01  5.3736e-01 -1.1734e+00  8.6293e-01  7.8221e-01
  2.6590e+00 -2.3478e+00 -9.9254e-01  2.6165e+00 -6.4515e-01  9.0587e-01
  1.2338e+00 -1.9974e+00 -4.4897e+00  8.8550e-01  1.5314e+00  1.4899e+00
  1.6494e+00  2.5974e+00 -2.7723e-01  1.7575e+00  7.5907e-01  4.0541e-01
  7.7811e-01  3.7203e+00 -1.0491e+00 -4.5978e+00  4.0980e+00  1.4875e+00
  1.6106e+00  2.5603e+00 -1.0186e+00  5.1908e-01 -1.5818e+00  1.1880e+00
 -1.9620e+00  2.6091e-01  9.2145e-01 -6.3415e-01  2.8552e-01  3.4824e+00
  2.0240e+00  1.4774e+00 -2.5333e-01  1.2130e-01 -3.5607e+00 -1.1274e+00
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 -1.1934e+00 -1.8733e+00  1.0658e+00  2.1196e+00  8.1213e-02 -3.4297e+00
 -5.1662e-01 -1.6168e+00  2.5135e+00  1.8290e+00 -2.5997e+00 -7.5718e-02
  1.7219e+00  5.7105e-01 -2.0137e+00 -1.7798e+00 -2.9672e+00 -2.3683e+00
  3.2408e+00  2.2062e+00 -1.9078e+00  2.0204e+00  1.7188e+00 -8.5967e-01
  7.9924e-01  1.9318e+00  2.3336e-01 -1.4943e+00  1.5334e+00  1.8989e+00
  3.1140e+00 -3.8868e+00  5.4138e-01  1.4629e+00 -8.3188e-02  7.0626e-01
 -1.6814e+00  4.8440e-01 -2.4051e+00 -2.4094e+00 -7.7773e-01  2.0159e+00
  2.8110e+00 -1.4966e+00 -1.5942e-01 -5.9700e-01  6.0125e-01 -1.9536e+00
  1.6123e-02  1.0267e+00  1.6470e+00  1.5810e+00  9.9658e-01  3.0185e-03
 -2.1516e+00  8.0080e-01 -4.5645e-01  3.6402e+00  1.6212e+00 -4.3635e-01
 -1.8293e+00  1.8130e+00 -1.1726e+00 -1.6881e+00  2.0929e+00 -2.3786e+00
 -4.1792e+00 -1.1231e+00 -2.1332e+00 -3.9622e+00 -2.3724e-01 -3.9495e-01
  6.4874e-01  5.8785e+00 -4.0232e+00  3.9330e-01  9.5551e-01  2.6162e+00
  1.8608e+00  1.3194e+00  1.7268e+00  3.3508e+00 -1.5556e+00 -4.0604e-01
  1.9747e+00  2.1693e-01 -2.1831e-01 -3.3953e-01  1.5578e+00 -3.0250e+00
  1.5801e+00 -2.6902e+00 -3.2266e+00  4.5746e+00  1.8267e+00 -3.2881e-01
  2.8468e+00 -1.2660e+00  2.9179e+00  7.4949e-01  2.0807e+00  9.4698e-01
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  7.9336e-01  2.9437e+00  1.9647e+00 -2.0806e+00  2.5856e+00  6.7060e-01
 -1.1625e+00  2.5955e+00  1.2555e+00 -2.1559e+00 -2.4203e+00 -1.7607e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
has [ 4.3099e+00  8.9084e+00 -6.8560e+00  6.9537e-01  4.2271e-01 -1.1815e+00
 -1.9247e+00  1.1482e+01 -1.7968e-01  4.5118e+00  4.6858e+00 -4.1317e+00
  1.8046e+00 -7.0057e+00  2.5025e+00  3.6725e+00 -3.3013e+00  9.3919e+00
 -2.3996e+00  8.4705e-01 -4.2087e+00  2.5214e+00  9.5911e-01 -5.2353e+00
 -2.3587e+00 -6.9405e+00  8.2043e-01 -1.8225e+00  1.3538e+00 -2.2276e+00
  1.3423e+00  1.2618e+00 -5.9927e+00  4.2285e+00 -5.3405e+00 -2.9704e+00
 -7.6048e+00  1.0109e+01 -2.2087e+00 -1.6825e+00 -1.1775e+00  5.7018e+00
 -6.4809e+00 -7.0593e+00 -2.5501e-01 -2.8800e+00  5.2779e+00 -1.4806e+01
```

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  3.5622e+00  7.0924e+00 -1.4254e+00 -9.1108e-01  2.2347e+00 -4.2553e+00
  7.6161e+00  1.3421e+00  6.8742e+00 -2.2265e+00  4.2276e+00  6.2307e+00
  7.6149e+00  1.4672e-01  3.2389e+00 -5.1179e+00  2.0375e+00 -3.4565e+00
  9.6466e-01  8.4723e+00 -2.8474e+00 -2.0930e+00  5.3140e-01  9.0563e+00
 -4.4569e+00  1.8853e+00 -3.5076e+00  2.6555e+00 -5.4835e+00  1.4377e+01
 -1.0237e+01  4.7727e+00 -7.0698e+00  4.7173e-01 -5.3517e-01  3.2064e-01
  7.3372e+00 -2.9351e+00 -4.6206e+00 -3.6633e+00  1.5708e+00 -5.3359e+00
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  2.2961e+00  8.7328e+00  3.8343e+00  6.5841e+00 -4.5723e-01  9.1294e-01
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  9.5544e+00 -5.6651e+00 -3.9841e+00  7.3681e-01 -1.0768e+01  7.9593e+00
 -5.5179e+00 -7.8167e+00  7.2218e-01  4.8996e+00 -3.5558e+00 -2.9386e+00
 -7.6074e+00  9.7710e-01 -3.3074e+00 -9.1020e+00  3.5767e+00 -1.9662e+00
  1.5427e+01 -6.3768e+00  3.6562e-01 -4.7392e+00 -1.1732e+00 -4.8186e-01
  7.0093e+00 -9.6717e-01  5.5947e-01 -2.0398e+00  3.8637e+00  3.7702e-01
  3.1118e-01 -1.9763e+00 -6.0309e+00 -8.3581e-01  4.1166e+00  4.9669e+00
  8.6739e+00  3.7994e-03  5.4470e+00 -2.3401e-01 -6.2384e+00  7.4531e+00
  4.6775e+00  3.5801e+00 -9.6566e+00  1.6371e+00  6.2979e-01 -5.6383e+00
  2.2830e+00  6.3678e+00 -1.1816e+01 -2.9777e+00  2.2805e-01  8.3636e+00
 -1.9033e+00  4.0108e+00 -7.3018e+00  1.0242e+00  2.0375e+00  2.0915e+00
 -2.8729e+00 -7.9446e-01 -2.2831e+00  3.1665e+00  1.0950e+00 -1.4680e+00
 -1.0486e+01  7.8675e+00  3.9529e+00  4.3583e+00 -2.1311e+00 -1.9549e+00
  1.1267e-01  1.0637e+01 -3.3391e+00  1.4680e+00  1.2349e+00 -1.4515e+00
  8.9920e+00 -1.2387e+00  2.3637e+00 -3.7211e+00 -4.6270e+00 -1.4731e+00
  1.1744e+01 -2.7923e+00 -2.2459e+00 -1.0810e+01  2.8990e+00  7.4367e+00
  8.6521e+00  7.1343e+00 -4.8173e+00 -1.9318e+00  3.3319e+00 -6.4086e+00
  1.6242e+00  9.1565e+00 -1.3850e+00  4.2600e+00  5.6727e+00 -5.0146e+00
  3.1587e+00 -4.7546e+00  8.6179e+00 -9.5744e+00  4.5047e+00  2.4209e+00
 -9.8409e-01 -1.2303e+00 -6.1802e+00 -9.0128e-01  2.1348e+00  7.3415e+00
  1.6379e+00 -1.9759e+00  8.9124e+00 -1.0929e+00 -8.8804e+00  9.5021e+00
 -6.4244e+00 -2.6389e+00 -7.5180e+00 -4.1525e+00  8.8602e-01  9.2700e-01
 -1.2534e+00 -1.1341e+00 -4.1053e-01  3.2002e+00 -1.0910e+00  3.2323e-01
 -7.7148e+00 -5.8595e+00 -1.4402e+00  1.2239e+01 -3.6367e+00 -6.3598e+00
 -2.7177e+00 -9.9320e+00 -5.0809e+00 -2.9219e-02 -5.4872e-01 -5.3583e-01
  5.4410e+00 -3.0049e+00 -4.4300e+00 -4.4143e-01  3.4507e+00  4.5919e+00
  3.3830e+00  5.8229e+00  5.7531e+00  6.7312e+00 -4.4882e+00  3.8210e+00
 -1.9474e+00  7.1388e+00  9.7958e-01 -7.8208e+00 -5.9429e+00  1.7388e+00
  3.3903e+00  3.6569e+00 -5.4271e+00 -4.5530e+00  3.3316e+00 -9.3318e-01
 -4.4987e+00  2.3736e+00  1.1627e+01 -9.0796e-01 -2.6268e-02  9.9778e+00
  1.5354e+00  3.2083e+00  9.4232e+00 -7.0204e-01 -4.5489e+00 -3.2150e+00
 -8.6032e-01  5.6699e+00  2.5590e+00 -7.0287e+00 -1.3642e+00 -8.4525e-02]
been [ -3.0266     0.76927    1.0779     3.896      4.8552    -1.6412
   1.159      7.6648     5.567      6.1912     0.6082    -0.47427
   0.90964   -3.8197     4.6981     6.5622    -0.79966   -0.031899
  -5.8931     1.1498     3.0302     2.2252    -9.4981    -2.4372
   0.10117   -1.7992    -3.5395    -7.8777    -0.30601   -3.6991
   3.134      2.4361    -3.6075     2.1084    -7.8002    -3.9128
  -2.185      5.1279     7.6644    -2.5103     2.2742     1.5576
  -1.9074     2.2771    -0.25153   -4.6247     6.4229    -5.9582
   3.4972     6.8149     2.5045     1.6516     2.8635   -14.432
   2.0143     4.1191     0.80911    1.0531     6.8202    -0.89192
   4.4323    -2.4582     1.5591    -0.35091    3.348      2.9694
   1.4238    -0.72721    1.4491    -0.65433   -0.24345    2.3268
   0.1568    -4.8998     1.6159     0.075842  -2.5948     3.2219
 -10.152     -1.6279    -2.174      4.9871     0.75256   -2.532
   7.7684    -0.68524   -2.6505    -0.41367    5.6164    -2.8248
   0.41235   -5.228      4.1418    -5.8039    -2.0377     0.97693
  -1.0298    -3.3328    -3.0598     0.69287   -0.284      0.88644
  -1.5595     1.273     -0.27419    5.9722     0.14789   -1.3192
```

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  -1.6117    -4.3568    -1.7473     2.787      5.2963    -2.4717
   3.3891     1.816     -8.266     -0.91363    0.50152    7.283
  -2.4471    -2.2612    -4.1379    -0.09534   -3.6364    -9.6808
  -0.14343    0.79138   -2.2885    -1.692      3.6509     1.7381
   5.8639    -6.7687    -0.99721    0.04799   -3.0197     1.3158
   4.9224    -1.1991    -1.1712    -4.628     -5.293      1.1902
   3.3201    -6.3078    -8.4396    -0.45641    1.4102    -1.4878
   3.9774    -1.1544     1.6043     2.5666    -6.742      0.5918
   5.773     -0.62789   -5.9009    -0.45719   -0.68542   -2.5088
   0.81674    0.21952   -3.7119    -4.8399    -4.9205     3.9919
   2.7582    -1.1197     0.14196    1.5553     0.64102    0.80177
   5.9885    -4.7388     0.97276   -3.7185    -0.58504    6.1161
  -5.1343     1.8984    -4.7591    11.972      5.7373    -3.8811
  -3.5296     3.9117     0.58225    8.4883    -6.1971    -0.50472
   2.6883     7.482      5.334      0.7838    -4.5035     7.1484
  -1.5492     4.7007    -2.8495    -4.4783     2.149     -2.1426
   4.0185     0.42712    0.93926    4.8071    -1.2579    -0.90439
  -3.5901    -3.165      3.4668     5.0946     1.2086    -4.7611
   0.98122   -5.9159     4.8009     0.68239   -8.2906    -1.3338
   2.4956     5.5805   -10.818      0.43875    0.89163    1.8298
   1.1982     3.1485     4.0546    -2.9055    -0.8791     4.677
  -0.23922    1.6627     0.27671   -1.8739    -1.1632    -1.8644
  -3.8098    -2.4531     5.7975     3.0236    -4.483     -5.5164
  -3.9082    -0.26347    4.5249     6.7625    -1.5631    -3.2613
  -2.706      3.6852     1.3049    -6.4083    -0.65919    2.105
   2.433     -1.4782     0.62347    2.15       8.8032    -0.52465
   0.055896  -3.8194     4.206      8.2334     1.8054     2.7757
   1.2655    -3.265     -1.8633    -9.646     -5.0045    -1.3631
  -4.3562    -0.22271    1.6387     0.085524   5.9132    -0.85632
   2.5531    -5.8338     4.742      1.6878     1.2927     2.7755
  -3.1333     3.7359     5.8043    -6.1937    -5.1119     3.3192
  -5.3441     5.0871     1.5587     1.3159    -2.6258    10.264   ]
experimenting [-1.2866   -1.9428   -0.54017  -0.89353   0.97552  -2.0623    2.3391
  4.424    -4.211     1.2844    5.6526    1.0556   -3.0038    3.3458
  5.1839    2.6041    3.8217    1.8354   -0.75591  -1.5403    1.3033
  1.2308   -2.2875   -0.3221   -0.7572   -0.44827  -2.8308   -1.723
  0.5339    0.22344   2.3972   -0.46942  -1.8097   -0.82355  -2.3337
 -2.012     1.2968    0.014145  0.92419  -1.2559    0.3337   -0.53206
 -0.72993  -0.32723  -2.6658    2.2949    0.1058   -1.5002    1.7333
  0.95361   0.20223   2.5429   -2.1773   -4.3159   -0.60043   1.5623
 -0.79521   2.2404    0.79878  -2.8235    1.665    -0.38824  -0.31065
 -0.50001   3.7233    2.2524   -3.3201   -3.6299    1.7547    2.2551
 -0.36446  -1.0175   -2.0151   -0.28778  -0.72551   0.77682  -3.1972
  1.2536   -2.6019   -3.0332   -5.1259    1.2121    0.80211   2.5156
  3.0641   -0.089746 -1.3326   -3.8109   -0.13724  -0.71114  -3.5324
  1.545     1.3159   -3.2123    0.024858 -0.44778   0.42808  -1.6966
  0.7774   -0.35026   0.40344  -1.3772    3.8633    3.7113   -0.095567
  3.5633    0.073374 -0.42561   0.035007 -2.0939    2.2736   -0.39719
 -1.6917   -1.3122    3.522     2.4766   -1.5344    0.32297  -2.8276
 -2.3779   -3.3888   -2.104     0.1801   -0.23971  -1.7244   -2.8809
 -0.95395  -5.3808    2.0859   -1.8583   -2.0338    2.0211    2.2143
  0.24783  -1.0446    0.51834  -1.7514   -1.039     3.8697   -2.1648
  2.9464    0.81176  -3.1844    0.5393    0.88034  -1.1982   -3.2281
 -1.87      4.1129    2.2882    1.7924    0.77135  -1.3272    1.3223
 -1.3758    1.2179    4.6465    0.096408  0.56111  -3.5013    0.71413
 -1.172     2.7326    1.8848   -1.011    -2.1016   -1.059     1.068
 -2.0877   -0.12265   1.0992    0.49094   2.44     -1.0424    1.958
  1.2883    1.1425    0.25777  -5.5244   -1.1077   -2.108    -0.45976
  1.4145   -1.9566   -1.2832    1.2359   -0.48848  -0.94245   1.0805
  1.3938   -2.2769   -1.5085    0.012688  0.80147   1.2966   -0.68513
```

```
 -3.9439   -0.71572  -0.012242  0.12193  -1.3539   -2.6733    0.40792
 -2.1069    3.0525    1.3078   -4.1449    1.549     1.8286   -1.4622
  2.0199    1.7509   -0.39853   0.40096   0.30143   0.016406  3.0647
 -2.8815   -0.40408   1.9481   -2.3938    2.2304   -2.0169    2.7841
 -1.2959    0.81802   2.315     3.8464    3.456     1.2675    2.5877
 -1.7612   -0.4594    1.8808    3.4233   -0.30325  -0.98549   1.0918
  0.61708  -0.14629  -2.7112   -0.57916  -0.9836    3.5491   -0.33985
  1.4145   -3.6512   -0.302    -1.2424    2.6035    1.2554   -0.94029
 -4.8647   -0.086402 -3.1295   -2.0733    0.38859  -0.21208  -1.759
  2.2849   -2.2671    4.9282    3.8745    2.6004    0.40276  -0.30205
  0.075375  1.6416    0.4038   -1.8083   -0.033376 -0.19755   0.53394
 -0.67095   2.7317    0.12071   2.1964   -2.4673    1.4982    0.84077
  3.151     0.9826    3.024    -1.1426    1.0449   -1.7364   -1.287
  2.36     -2.8038    1.9407    3.2609   -0.43085  -1.0906   -1.7314
 -1.7143   -1.3893    1.2435   -1.3614   -4.0195   -0.27733 ]
with [-7.3029e+00 -1.8444e+00 -7.6674e-01  2.9710e+00  8.2274e+00 -2.3815e-01
 -3.7484e+00  7.4250e+00  2.1094e+00  2.6460e+00  3.4193e+00  1.2949e+00
 -3.7891e+00  1.8922e+00  5.7313e-02  2.2486e+00 -2.6073e+00  2.4729e+00
 -4.7082e+00 -2.0890e+00  1.7650e+00 -2.7928e+00 -1.7405e+00 -2.2023e+00
  9.6628e-01 -1.6627e+00 -5.3952e+00  2.6574e+00  3.2853e+00 -4.1086e+00
 -6.1322e-02 -2.0250e-01 -4.1922e-01 -1.9879e+00 -2.5041e+00  1.1566e+00
 -1.4234e+00  5.7212e+00 -8.8475e-01 -1.5786e+00  3.2100e+00 -1.3317e+00
  1.1137e+00 -1.5295e+00  1.2745e+00 -8.0234e-01  3.1163e+00 -1.8311e+00
  1.4319e-01  6.6325e+00 -5.8086e-01 -1.7562e+00  2.4619e+00 -6.5284e+00
  1.0548e+00  4.6575e+00  1.8356e+00  3.1413e+00  6.3896e-01 -3.9050e+00
  5.8105e-01 -1.1883e+00  1.7218e+00 -1.2941e+00  7.9616e+00 -2.0135e+00
 -2.7321e+00 -6.9983e+00 -2.4175e-01  7.7912e+00  9.8001e-01 -2.2095e+00
 -2.6433e+00  4.8732e+00 -5.2118e-01  7.2340e-01 -1.6987e+00  4.3147e+00
  1.7396e-01 -2.8767e+00 -4.9427e+00 -3.7774e+00  2.7220e+00  5.0155e+00
  8.9913e+00  1.1570e+00 -1.1779e+00 -2.4803e+00 -4.7624e+00 -2.8423e+00
 -3.2249e+00  3.0748e+00  1.6095e+00 -4.2218e+00  9.4188e-02 -6.8269e-01
 -2.1907e+00 -3.4340e+00  2.2151e+00  2.2665e+00  3.4698e+00  7.6117e-01
  9.3883e-01  6.8191e+00  3.4584e+00  8.5794e+00  1.1459e+00 -5.2942e+00
  2.6932e+00 -4.9894e+00  6.7005e+00 -2.3601e-01 -5.6984e+00 -2.2219e-01
 -1.8671e+00  5.9680e-01 -3.0947e+00 -1.7287e+00  2.5586e+00 -3.3759e+00
 -4.7689e+00 -3.5909e+00  4.5577e+00  6.7321e-01 -1.8088e+00 -5.6163e+00
 -1.2369e+00 -3.4127e+00  4.0207e+00 -4.9684e+00 -6.6250e+00  7.9758e-01
  1.0927e+01 -2.0548e+00 -2.6884e-02 -8.3153e-01 -7.2005e+00  1.9075e+00
  2.1862e+00 -8.7189e-03  5.4898e+00  3.9947e+00 -3.9290e+00 -1.7835e+00
  4.5189e-01 -3.3502e-01 -2.8989e+00  2.6838e+00  7.5691e+00  5.7994e+00
 -8.9245e-01 -1.8449e+00 -2.8162e+00  3.6932e+00 -4.3900e+00  1.6623e+00
  5.2395e-01 -7.8731e-01 -2.0337e+00 -4.6472e+00 -5.7408e+00 -4.5708e+00
  1.1397e+00  4.2431e+00 -3.8055e+00 -1.5861e+00 -4.2676e+00 -3.7402e+00
  4.6997e+00 -5.6768e-01  5.1203e+00  2.7363e+00  1.7572e+00  2.4068e-01
  1.9973e+00 -3.3297e-01  3.7842e+00  3.7714e+00 -3.7266e+00  2.4425e-01
 -1.2726e+00 -3.3529e+00  3.5800e+00  5.2774e-01 -2.2151e+00 -1.4871e+00
  2.2228e+00  1.9954e+00 -5.1733e+00  2.7730e-01 -3.7315e+00 -2.1229e-01
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  5.6537e+00 -4.4464e+00  2.5996e-01 -4.5442e+00 -2.2041e-01 -3.5990e+00
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  2.8737e+00  5.3929e+00  3.7513e+00  3.3702e+00 -3.4719e-01  8.9511e+00
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  4.0024e+00  4.2912e-01  1.2348e+00 -1.3479e+00  2.5200e+00  5.5979e+00
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 -3.1879e+00 -2.0595e+00 -1.8770e+00  1.4214e+00 -4.9424e+00  7.1843e+00
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 -2.9519e+00  5.0123e+00  1.7248e-03  5.2844e+00  2.0522e+00  2.2142e+00
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```

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  4.7260e+00 -2.7610e-01 -3.7511e+00  9.4140e-02  6.2245e+00  3.5532e+00
  9.0030e+00  2.2473e+00  3.4429e+00 -1.0572e+00 -5.3148e+00 -6.2408e-01
 -1.3640e+00  2.3960e+00 -5.3993e+00 -1.0270e+00 -2.3569e+00 -2.2414e+00
  8.3295e-01  1.3915e+00 -2.1925e+00 -6.7603e+00 -4.3119e+00 -2.4465e+00]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
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 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
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  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
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 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
technology [ 1.9411e+00  2.4264e+00  1.7675e+00  5.9659e-01  5.5671e-01 -1.1929e+00
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  4.3357e+00 -3.2422e-01  2.7408e+00  2.1290e+00  2.7563e+00  2.8115e+00
 -2.5136e+00  1.4481e+00  9.3328e-01 -1.1752e+00 -9.7921e-01  1.4100e+00
 -3.0494e-01 -2.6680e+00  1.6572e+00 -6.8103e-01  1.9170e+00  5.9497e+00]
as [-7.0796e+00 -4.3204e+00 -7.7075e+00 -3.2037e+00  9.4953e+00 -1.8864e+00
 -5.9840e+00 -2.2320e+00  3.4457e+00 -1.5619e+01  1.9228e+01 -6.0349e+00
  2.7948e+00  2.5484e+00 -3.1024e+00  3.1053e+00  9.0580e-01  2.0904e+00
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 -1.0295e+01 -3.3496e+00 -1.3218e+01 -1.0229e+01 -3.9227e+00 -5.2327e+00
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  2.4146e+00 -1.9292e+00 -2.5359e+00 -1.2967e+01 -2.3554e+00  3.8391e+00
```

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  5.9298e+00  2.1293e+00 -4.4712e+00  8.5799e+00  1.1271e+00  1.4195e+00
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 -2.4073e+00  2.2625e+00  6.5160e-01  1.1182e+00 -6.4828e+00  5.2766e+00
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 -7.2600e+00  4.2429e+00 -1.5513e-01  3.1864e+00 -1.9751e+00  5.7338e+00
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  1.3382e+01  6.2601e+00  7.2323e-01 -8.9792e-01  1.0448e+01 -7.5243e+00
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  7.1982e-01  1.5390e+01 -5.9424e+00 -8.7123e+00 -3.2456e+00  5.7091e+00
  7.6600e+00  1.1422e+01  6.1826e+00 -5.4187e+00 -2.1678e+00  1.5463e+00]
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  -1.1715     7.6917     2.3428     3.4514     2.8909     6.5658
  -1.5878     1.6816    -1.302     -1.3288    -2.4943     4.1329
  -0.48566    1.6562    -9.935     -2.6343     0.61872    6.0055
   1.1129     1.8339     0.7557     0.16903   -0.55258   -1.1147
  -1.9556     6.753     -2.922     -3.5001    -0.1534    -2.6386
  -3.1759     2.4621    -0.2249     3.1614     3.0163     1.0533
  -0.36688    1.2709     1.2674     3.2743     2.2369    -3.2255
  -0.58466   -1.108     -3.9913     1.6025    -0.69793    1.6859
  -1.4033     0.53641   -1.4843    -2.8661    -2.3172     4.2487
  -1.5121    -4.385      5.5025     1.4425     2.4016    -0.1852
  -2.5658    -1.8377    -0.57871   -0.8884    -4.2453     4.463
   0.41184    2.5588    -8.0649    -0.69151    0.50712   -3.9659
   1.0186    -1.5562    -6.7124    -3.1206     2.1921    -3.4244
  -1.6432    -1.9576    -2.6252    -3.3297     2.4512    -3.619
   1.5357     0.76079    1.3418     0.61311    7.082      3.2953
   5.2469     4.8688     5.9213     2.1965    -0.39589    6.026
   2.766    -10.516      2.8272     2.0798    -3.5055     1.3568
   7.2113    -7.408     -4.6799    -2.218      0.38552   -2.4154
  -0.29231   -1.7283    -1.1796     0.66056   -0.02942   -2.9287
   1.1236    -4.8818     6.083     -6.9831    -9.6044    -2.4706
   6.7467     1.6327     3.8801     4.8767     5.5754    -2.0078
   5.5908    -2.1604     0.13571    2.0755     1.7473     4.7693
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  -2.5838     2.5992     2.4624    -0.47669   -2.6797     3.1705
  -1.6766     2.8585     0.54001    1.6524    -0.6397     2.8281
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   1.9747    -0.58898   -8.0677     0.89499    0.85347    6.2212
   1.1052    -5.074      2.4015    -0.42267    3.6822     0.083342
   0.3133    -1.6499    -4.8178    -3.0649    -2.6554     1.7478
   4.7284     1.4316     0.25683   -1.0875     1.4819    -1.1624
   0.02159    1.3148     0.19616   -3.3842    -2.7795    -0.76464
  -3.6175     0.94638   -1.7803     1.3226    -1.4313    -3.9286
  -0.023809  -4.4052     2.1498     3.359      1.0235    -0.97298
  -9.5101    -1.5003     3.7769    -6.8026     2.7686    -0.13445
   1.2972     5.1941    -0.73261    8.4407     6.9989     1.0164
   3.3217    -0.79012   -1.7848     0.64955  -11.096     -0.85144
  -1.542      4.2162     0.83169   -3.6299     7.4068    -0.61709
   3.3416    -5.8318     1.0526    -0.6427     6.0302    -3.4038
   4.8865    -0.45097    2.6045    -1.7773     4.2146     1.3615
  -3.9131     0.86864    5.1428    -6.0942    -4.1116     2.0491
  -1.6912     3.6809    -2.6896    -5.7133     0.30071    0.48019 ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
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   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
its [-2.1506e+00  4.8450e+00  1.3031e+00  2.0050e+00  1.7474e+01 -8.6141e-01
 -3.7502e+00  9.0333e+00  2.6563e+00 -3.9911e+00  1.4102e+01  7.5572e-01
 -9.1241e+00  2.2180e+00 -7.8461e+00  4.8496e+00  3.2192e-01  4.2564e+00
 -9.7530e-01 -4.6425e+00  7.0868e+00  4.5892e+00 -4.6609e+00  6.7740e+00
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  9.5893e+00  6.1333e+00  2.8078e-01  3.9273e+00 -4.3081e+00  3.8011e+00
  3.3143e+00  6.8508e+00  5.1830e+00 -8.8816e+00 -1.1229e+01  3.6390e+00]
annual [ 0.5693   -1.391    -2.8499    1.789     4.493    -3.8472    4.9797
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 -5.8968    6.1647    2.6189    1.9758   -1.2901   -2.2157   -1.6603
  1.4481   -4.7435    1.4722   -0.77903   5.982    -3.6617    1.6267
  2.2508    1.4082    0.98717   4.8566    2.1795   -5.7655    3.1903
  1.425     3.6523   -1.2671   -2.3172    2.1749    1.7126    2.3219
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  1.8933   -2.9958    1.3202   -2.4615    2.4032   -4.5353    7.6809
 -3.4314    1.2091   -4.7836   -3.2757   -0.68969   2.1633    1.6949
  5.9417    3.8576   -1.5969   -1.4014   -0.79722  -0.89625   1.6609
  1.2422   -2.1719   -1.9846   -2.525     0.46874   5.454     3.1076
 -1.3856    2.6764    2.8435   -2.3172    3.3076   -4.8844   -1.6409
 -2.4349    4.5504    1.4254   -1.6045   -2.1233   -1.1186   -0.17465
 -2.1842    0.08748   2.7737    1.5024    5.0585    2.7119   -3.0305
  0.3742    3.7429    1.8944    0.87935  -0.62653   0.92411  -1.649
  3.3032   -0.16108  -1.8106    3.5907   -3.8548    3.2434    6.2326
 -0.97833   1.109     0.25434   0.66699  -1.595    -0.5118    5.126
  0.92058   1.6893   -2.7075    2.0075   -3.7732    1.5294    0.40839
 -5.6746   -1.3058    4.2938   -7.1495   -0.73545   0.90992   1.3152
 -2.2378   -1.9192    3.2524   -2.294     3.2127   -2.6894    3.0219
 -1.0405   -1.1774    3.5551    0.85467   0.23942   5.874     0.53078
 -0.022009 -3.9998    6.4227    0.31091   1.017     5.1329    3.3636
 -0.32135   0.35184  -1.583     1.7272    2.8191    0.6343   -0.83985
  0.66235  -2.5091    2.3764   -0.3343    1.7676   -3.9932    1.5287
  3.7041    1.0932   -0.039648 -4.6441   -4.89      1.1359   -2.1869
  5.0346   -0.46518  -4.0457   -2.0262    0.78852  -1.52      5.8126
 -1.5712   -1.297    -3.1369    0.54059  -2.7284   -1.3138    0.89218
  4.764    -0.56101  -2.8588   -2.2838   -0.41142   2.5944    0.065392
 -2.1271   -2.6004   -5.0169    1.9123    3.7136   -0.62272   2.0976
 -1.6014   10.136    -1.259    -4.6186    2.2604    0.43731  -0.6197
  2.2431    3.2459   -0.22835  -0.12894   4.9163   -0.60843  -1.0702
 -5.3387   -1.5421   -3.017    -0.16881  -0.62949  -2.4261   -5.4861
 -6.5674   -7.0145    0.25718   1.4164   -1.1132    1.7152    1.6398
 -2.3446   -1.7112    2.9215   -2.284     6.8425   -3.404     1.3981
 -2.6042   -0.98575   2.4289   -2.9142    3.3727    2.917     4.9205
  3.6849    3.0575    1.0472    4.8962   -0.60587  -0.58398  -6.1052
  0.088847 -0.47174  -1.3378   -2.7717    3.1709   -0.36533   3.1967
  2.7744   -3.0831    1.2292   -1.124     1.3996   -0.28339  -6.0366
 -6.2405    4.0675   -2.9777    0.80681  -4.406     5.5678    6.3499
  0.58835   1.4454    0.26633   1.9682   -2.4358    3.5639   -0.47878
  5.2986   -1.7814    0.071762 -3.1432   -2.7201   -4.063     2.7425
  0.5643    2.3739   -5.7891   -3.5314    3.48      0.23264  -3.0945
 -6.2818    3.142     2.4834   -3.5602   -1.1154   -0.18038 ]
Global [ 2.5123e+00 -4.6716e+00  3.4286e+00  4.5623e+00  1.5501e+00  1.8152e+00
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 -2.0174e+00 -1.5290e+00 -2.5243e+00  3.2635e+00  5.1482e+00 -1.4665e+00
 -2.4863e+00 -6.6536e-02  2.9950e+00  6.1935e-01 -2.4055e+00 -2.8374e+00
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 -3.2792e-01 -7.3166e-01  3.4551e+00  7.6650e-01  5.5754e-01  1.1184e+00
  5.2481e+00  1.1881e+00 -4.6484e+00  3.0413e+00 -1.3665e+00 -3.5508e+00
  3.4350e+00  2.4651e+00 -2.5217e+00 -2.0085e+00  6.5880e-01  2.2265e-01
  2.8352e+00 -4.3255e+00 -1.5728e-01 -4.1572e+00 -2.6293e+00  2.8576e+00
 -4.9412e+00 -4.1075e+00 -6.1531e+00 -5.7504e-01  2.2191e+00 -1.9545e+00
 -2.3658e+00  5.4604e-01  2.6722e+00  4.1375e+00 -4.1422e+00  2.3272e+00
  1.7350e+00 -4.1288e+00  1.2890e+00 -5.0899e+00  7.0934e+00  2.4211e+00
  2.8843e-01 -2.0515e+00  3.7444e+00 -1.4494e-01 -1.5109e+00  3.3150e+00
  6.4524e-01 -6.0391e-01 -2.2462e+00  1.3848e+00 -1.6876e+00 -5.3561e+00
 -3.7532e-02 -5.8423e+00  4.0278e+00 -1.3078e+00  1.1164e+00 -2.0253e+00
  1.9767e+00  9.9609e-02 -2.4891e+00 -6.4736e-01  3.1661e+00  2.1979e+00
  9.1210e-02 -4.6283e+00 -1.0941e+00  2.6437e-01  2.8678e+00 -3.2005e+00
 -2.9307e+00  2.3131e-01  5.4134e+00 -7.6148e-01  6.7712e-02 -1.6835e+00
 -1.1071e+00 -3.0620e+00  3.5679e-01 -8.4111e-01  6.2539e+00  8.3725e-01
  1.0818e+00 -2.9674e+00 -2.1650e-01 -2.6926e+00  2.7521e+00 -2.2195e-01
  4.5366e+00 -1.8977e+00 -3.7151e+00  3.1345e+00  4.9755e-02 -1.0235e+00
 -4.2647e+00 -1.6897e+00  1.9945e+00 -5.4351e+00  2.6600e+00  2.9105e+00]
Information [ 0.2768   -5.2605    6.4788    0.71097   2.6468   -2.4702    0.96623
  0.8909   -1.0278   -1.2285    6.8256    1.354    -5.266     1.1087
 -0.39095   1.2077    6.1218    3.1888   -8.2814   -2.6003   -0.85591
  0.045235 -5.3597    2.7209   -0.076586 -2.8313   -1.4977   -0.59698
 -3.0211   -0.84374   1.9745    1.2149   -0.54612   1.4194    1.1423
 -2.6955    1.8091   -1.3556   -0.48599  -1.4366    3.2071   -0.7642
 -4.3615    4.2054   -4.374     0.28137   4.2357   -3.7344    1.5189
 -6.0822   -1.6735    1.097    -3.0284   -4.3446   -0.74822  -0.10098
 -6.3979   -1.0389   -0.53449  -4.9842    2.5381    1.0753   -2.7913
  3.1509    3.8891    0.16974   1.7914   -0.62851   1.1442    2.2626
 -1.8365    0.76108  -2.7377    2.1061   -2.5186   -1.3738   -1.6914
  2.6063   -3.2513    2.1628   -0.09148   1.874    -4.5088    1.8932
  1.4054    1.9786   -3.1709   -3.4674    3.8332   -1.532     1.0764
  1.4925    1.0827    1.4064    1.7665    2.4613   -2.6131    3.8476
  2.1866    2.6885    1.6218    2.2918    2.5418   -0.43796   0.013382
  6.2253    4.2553   -2.7443    3.8384    0.14428   5.2953   -0.11648
 -2.8376   -0.59608   2.258     4.4803   -3.0606    0.77421  -1.9094
 -3.3789   -2.7123   -3.9315    5.3122   -2.7478    0.55149  -3.3248
  3.2205   -5.1902    5.3462   -5.5269   -5.5041    1.6954    3.1545
  3.6099    2.2684    0.17358   1.2392   -2.5314    0.3952    1.7732
 -2.1554    0.81162  -0.94663   3.2065    0.1526    3.0911   -1.2897
  3.4122    0.40373   2.9239    1.5141    1.9716   -2.6563    1.5898
```

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-2.1359   -0.36858   4.7056   -4.0973   -2.0588   -4.9224   -0.572
 2.9334   -4.1537   -3.8862   -4.7222    2.4268   -1.3647    5.3847
 5.3777    2.4911    0.092916 -1.0432   -0.41573  -0.583     1.8348
-1.747    -1.032    -0.78181   2.3262   -3.4837    2.7801    0.256
-1.9612    0.093261 -1.0177    2.6084    0.56332   5.377     4.2982
-9.9805   -1.2602    2.5253   -0.19178  -0.82082  -1.7089   -2.3098
 0.50784   8.1914   -1.8333   -1.0473    1.8389    2.9754   -2.132
 0.45718  -1.313    -3.8173    1.7362    0.69158   1.4515    6.1625
-5.6258    3.2442    0.29203   1.951     3.6713   -2.9649   -3.8582
-2.313     0.99394  -0.52446  -0.20648   0.096904 -0.91192   2.6118
-2.6967   -1.4221    1.0294    1.3503   -3.7489    4.2209   -0.65352
-0.17757   0.9492   -2.1753   -0.49751   3.4328    1.5163   -0.77262
 2.492    -3.4923    1.9677   -4.2048    0.45203  -0.092474 -4.3582
-3.0313   -7.233     2.9789   -2.8054    2.9517   -3.053     0.40819
 1.2541   -1.8906    4.4301    1.0693    2.7232    2.0329   -1.7179
-0.91588   4.5016   -2.9909   -3.5599   -1.7465   -1.9463    5.3243
-1.0932    3.203    -1.4156   -0.20438  -4.1818    0.41939  -0.086853
 3.7285    1.066     2.1271   -3.8216   -0.076584 -3.4321    1.9927
 2.1755    0.3922   -0.89555  -1.7661   -1.7763   -0.14655   0.18219
-1.7989   -1.4894    3.6032   -6.6981    1.6659    2.0638  ]
Dominance [-0.78846  -0.36327   0.42368   3.6476    3.4093    0.60817   1.4772
 4.082    -1.8286   -2.9017    7.9668    2.9439   -3.7378   -0.12011
-0.47868   7.3086    1.9152    2.3597    1.607    -1.283    -1.221
 3.2582   -4.2142   -2.8992    0.78803  -2.1286   -2.3065   -1.6153
 0.35475   2.2714    2.2146   -0.83107  -0.6      -1.5872   -0.44625
-0.80284  -1.2427    3.3076    0.23144   0.54834   1.4898    0.070177
 0.38611   1.1894   -1.2958    3.89     -0.34987  -1.3513    0.57868
-0.20697  -4.3105    4.8928   -1.4925   -1.6604    0.59493  -0.96606
-0.88614   1.2283    4.2581    0.85623   2.7734   -1.2452   -0.30095
-2.5831    1.548     1.1821   -2.7036   -3.5833    2.1233    3.1233
 1.6194    0.7457    0.69324   0.57397  -2.8455    0.56437  -1.4963
 3.0317   -2.9458    1.1848   -2.5033    0.11268  -1.1128    2.0778
 2.3324   -0.66891  -2.5779   -1.6272    0.26919   0.3429   -0.042432
-0.82317   2.4043   -3.7795   -0.34768  -0.24012  -2.5511   -0.64464
 0.028542 -0.37843   1.5123   -0.034772  5.166     2.6147   -0.34774
 5.7654    3.7367   -0.19131   0.052575 -4.3914    0.34072   0.59836
-5.5536   -0.89614   1.3174    1.5793   -3.4056   -1.9534    0.80475
-1.3796    1.2777   -4.577     2.9822   -2.7413   -2.7227   -3.3356
 2.8207   -2.2348    1.1288   -3.5394   -4.809     0.12639   4.2739
 3.0253   -1.8118   -0.17564  -1.2649    2.6468    0.14016  -1.7144
-0.18154  -0.93466   1.6261    1.8084    2.6537    2.2791   -6.116
-0.80597   1.2899    1.6065   -0.53776   1.388    -1.6533    3.7808
-0.34318   3.7411   -0.74988  -1.8668   -0.63611  -1.6159   -1.8313
-1.156     1.7647    3.6267   -4.9724   -1.9285   -3.3211   -0.40215
-0.12398   0.91434  -1.2538    0.67514   1.4998    0.35861   1.315
-0.1567   -1.0397    0.013083 -2.4533   -1.0593   -1.5463    2.033
 2.0239   -1.6389   -2.5442    1.4856   -1.5237    2.537     1.3594
 0.64566   2.6277   -3.6107    2.2999   -1.2403    4.2753   -1.6864
-4.238    -1.318    -1.1138   -1.382    -1.8302   -2.2239   -1.0892
-3.4498    2.6022    0.38963  -3.4356   -0.24916   1.4887    0.085208
-0.23228  -1.4089   -3.6281   -1.4967    2.2609    3.0949    0.1987
-5.4051   -0.24133  -2.5493   -2.7311    3.4511   -0.59233   0.6245
-2.5512   -0.45662   1.0187    1.9754    3.8345   -0.31668   3.8618
 0.60345  -1.5089    1.9276    3.3695    2.6244    1.6964   -0.46405
 0.1388   -1.7203   -1.3758    0.3758   -0.53105   2.4159   -2.0656
-0.48619  -0.10605   1.0701   -0.683    -0.88874  -1.717    -5.1686
-2.6634    0.42301   2.9208   -5.1142    0.20384   0.45405   2.3669
 1.5682   -0.56149   0.85643   4.9237    2.218     1.8222    0.87163
-0.10953  -0.30677  -0.78292   0.57173   2.9182    1.4271    2.5124
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  1.9632    0.78829  -0.80781   0.30321   4.5197   -1.0995    2.1055
  0.89229  -2.1575    1.0185    0.4461    0.75756  -3.2252    1.669
  0.81156   0.72913   0.39307  -1.0612   -1.976     3.2145  ]
Exercises [ 2.7958e-01 -5.5801e-02 -1.6897e+00  2.6066e+00  1.1747e+00  1.1862e+00
  1.3198e+00 -7.1300e-01 -3.3884e+00 -1.4355e+00  1.4716e+00  1.5815e+00
  4.5492e-01  3.4493e-01  1.4882e+00  6.4282e-01  3.8120e+00  1.3017e-01
 -3.0171e+00  1.6504e+00 -2.8463e+00  1.7122e+00 -6.4037e-01  1.5206e+00
  1.0197e-03  1.9232e+00 -1.8823e+00 -2.5270e-01  2.9049e-01  3.2533e+00
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  5.3412e-01  2.1627e+00 -1.9503e+00 -1.9609e+00  3.1482e+00  3.0708e+00
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 -1.3393e+00 -1.2884e+00  1.6823e+00 -3.5352e+00  8.9969e-01 -7.9709e-01
 -1.4977e+00  1.1057e+00 -1.5834e-01 -4.6431e+00 -3.6294e+00  2.2132e+00]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
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 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
 -0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
  6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
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 -1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
  0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
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 -0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
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 -0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
  0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
 -4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
 -1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
 -2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
  1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
  0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
  0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
  1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
And [ 1.5545e+00 -1.1118e+00 -3.0482e+00 -1.2026e+00 -3.1784e+00  2.8479e+00
  1.7191e+00  3.7141e+00 -1.3261e+00  4.8483e-01  3.8814e-02 -2.9230e+00
 -1.0750e-01  2.8549e+00  3.2495e+00 -5.9552e+00 -9.1506e-01 -5.0164e+00
  1.0190e+00  6.6677e-02  2.1312e+00  3.2874e+00  6.7972e-01 -8.6831e+00
 -2.3452e+00  6.2521e-01 -2.8580e-01 -4.8710e+00 -4.1088e-01  6.2576e+00
  2.3034e+00 -6.7634e+00  2.1875e+00  1.1601e+00  4.1085e-01  7.7137e-01
 -2.3134e+00 -5.6957e-01  6.5005e+00  4.5266e+00 -8.7631e-02  4.2340e+00
  1.5161e+00 -1.8089e+00 -2.4177e+00  1.6291e+00 -8.9032e-01 -3.8972e+00
 -4.0425e+00  1.8255e+00 -1.2665e+00  3.0932e-01  2.7489e+00 -4.0244e+00
 -1.9334e+00 -1.7038e+00  7.4866e-01 -9.6995e-02  2.5442e+00  3.0028e+00
  2.1024e+00  2.6236e+00  1.0643e+00 -3.5682e+00  2.8009e-02  5.0876e-01
 -5.7785e+00 -2.1376e+00  1.6506e+00  3.3303e+00  1.2128e+00 -1.1250e+00
 -1.1048e+00 -1.4409e+00  1.5877e-01  8.4146e-01 -2.5799e+00 -5.3755e-01
 -3.2774e-01 -3.0059e+00 -1.2858e+00 -6.8262e-01  3.0992e+00 -4.7794e-01
 -9.0967e-01 -2.3433e+00  5.2536e-01 -3.2852e+00  1.7805e+00 -1.6376e+00
  2.5237e+00  2.6673e+00  1.1276e+00 -3.6234e+00  1.6107e+00 -6.8521e+00
  1.4864e+00 -7.2601e-01  4.2917e+00 -4.2410e-01  2.0739e+00 -1.5340e-01
  1.5835e+00 -3.8212e+00 -3.3567e+00  1.3340e+00 -5.0096e+00  1.0006e+00
 -3.1137e+00  2.1894e+00 -2.2863e-01 -2.9433e+00  3.2234e+00 -2.0445e-01
  1.2188e+00 -3.2318e-01 -5.7307e-01 -3.8492e+00  2.3810e-01  2.8889e-01
 -6.4726e+00  4.8180e-01 -3.4523e+00  3.1789e+00 -5.1642e-01  2.5688e+00
  3.5700e+00  7.1784e-02  1.6873e+00 -1.0875e-01 -3.3101e+00 -1.9442e+00
  3.9140e-01 -1.5732e+00 -6.5991e-02 -3.3810e-01 -3.6810e+00 -4.0685e+00
```

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  7.1743e+00 -6.6997e+00  5.6714e-01 -1.5130e+00  2.2947e+00  4.9844e+00
 -4.9869e+00 -2.6416e+00  5.3487e-01 -4.4753e-01 -6.6792e+00 -3.2271e+00
 -1.8137e+00  4.7293e-02 -5.3257e+00  4.0223e+00 -1.9592e+00  5.6223e+00
  6.0409e+00 -7.8406e-01 -2.9912e+00  2.4875e+00  3.2804e+00 -2.9673e+00
 -7.6560e+00  2.0898e+00 -3.9512e+00 -1.4078e+00  3.6693e+00 -2.4012e+00
 -2.4795e+00 -2.8020e-01  4.4031e+00  3.3765e+00  1.8719e+00  2.6330e+00
  1.0476e+00 -5.2104e+00 -7.0958e+00  3.3990e+00  1.0911e+00 -2.0422e+00
  4.2702e+00 -8.1189e-01  8.4966e+00 -2.9384e-01  1.1116e+00 -1.1570e-01
  9.4177e-01 -3.8743e+00  3.0589e+00  3.9896e+00  1.5333e-01  6.2531e+00
 -5.2359e+00  2.2896e+00 -5.0764e+00 -7.0392e-01 -5.3868e-03  5.3127e+00
 -2.3835e+00  4.3395e+00 -1.6511e+00  1.9298e+00 -1.8244e+00  4.8354e+00
 -3.7942e+00 -8.1561e-01 -1.5436e-01  2.4039e-01 -9.1319e-01 -5.5158e-01
 -4.3100e-03  4.6543e-01  4.9916e-01  3.2472e+00 -8.0722e-02  1.8994e+00
 -1.7350e+00  7.0027e+00 -1.5347e-01  3.6563e-01 -3.3210e+00 -3.4839e+00
 -1.1065e+00  7.0559e+00 -4.3265e-01 -4.4508e+00  3.8845e+00  2.4559e+00
  5.0202e+00  3.4851e+00 -7.7797e+00 -4.0418e+00 -2.0940e+00 -3.7896e+00
 -2.0936e+00  1.0151e+00 -3.0170e+00  5.6373e+00  1.0787e+00  6.5840e-01
 -4.0618e+00  3.2888e+00  2.0971e+00 -3.8318e+00  1.4873e-01  2.2621e+00
  9.0950e-01  2.0660e+00  4.8673e+00  2.6698e+00 -1.1083e+00  2.5800e+00
 -7.2559e+00 -2.1732e+00  8.3769e-01 -7.1375e+00 -1.7252e+00  2.3931e+00
  6.2653e-01 -1.0701e+00  2.9904e+00 -6.7710e-02 -7.7835e-01  1.6250e+00
  8.6602e-02 -3.6150e+00 -7.6125e-01 -2.9418e-01 -9.1149e+00  4.5745e+00
  1.9671e+00 -9.6876e-01 -5.7835e+00 -2.7148e+00  1.6103e+00 -6.5879e+00
  1.8368e+00 -4.4730e+00  2.4380e+00  6.5458e+00 -3.5733e+00 -3.7110e+00
  2.0132e+00 -1.6973e+00  6.0123e+00 -2.3089e-01  3.4978e+00  1.0965e+00
 -5.2981e+00 -2.5371e+00  3.4440e+00 -3.4283e+00  7.8865e+00 -5.5890e+00
 -4.4515e+00 -4.7979e-01  3.5468e+00  5.3174e+00 -4.8849e+00  8.8603e-01]
just [-1.9648e+00  3.0566e+00 -3.1023e+00 -1.7353e+00 -1.1843e+00  1.6404e+00
  2.7836e+00  3.4439e+00 -3.2598e+00  2.9251e+00  3.2638e+00  2.6979e+00
 -2.6908e+00  7.2974e-01  1.1149e+00 -3.0286e+00  1.5749e+00 -4.8234e+00
 -1.3681e+00 -2.9615e+00  1.8230e+00  1.6399e+00  6.8448e-01 -4.7081e+00
 -2.6035e+00 -3.6401e+00 -3.0619e+00 -1.9026e+00 -1.4467e+00  3.3483e+00
  1.1659e-01 -3.1813e+00  2.6259e-01 -4.0939e+00  4.2809e-01 -1.4190e+00
 -2.2335e+00  9.6884e-01  5.0377e+00  2.6653e+00 -1.8311e+00 -6.8003e-01
  1.9787e+00 -1.2396e+00  1.1168e+00  2.0948e+00  1.8740e+00 -7.7629e+00
 -2.3884e+00  3.4450e+00 -2.3602e-01  1.0383e+00  1.5391e+00 -4.3949e+00
 -2.8645e+00  7.9483e-01  2.9099e+00  4.0107e+00  2.0863e+00  2.6584e+00
  1.3053e+00  1.9600e+00 -1.1033e+00 -2.9323e+00 -2.0540e+00  1.3037e+00
 -5.2958e+00 -1.7801e+00 -2.7631e-01  3.1069e-01  9.3391e-01  5.0193e-01
  2.7497e+00 -1.1280e+00  7.3695e-01  2.3058e+00 -2.9744e+00  2.8294e-01
  2.3544e-01 -2.1905e+00 -5.5190e+00 -1.7916e-01  5.9227e+00 -2.0990e+00
  2.6168e+00 -1.9789e+00 -1.3927e-01 -2.5441e+00 -4.4452e-01  5.4450e-01
 -3.2897e+00  4.4226e+00  2.4411e+00 -3.2455e+00  7.5178e-01 -7.7619e-01
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  8.0276e-01  1.3975e+00 -1.9920e+00  1.6371e+00 -4.0766e+00  1.1627e+00
 -2.0859e+00  4.9476e-01 -2.0334e+00 -3.1705e+00  2.1843e+00 -1.6920e+00
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 -1.3906e+00 -2.2702e+00 -3.1340e+00  2.5170e+00 -1.6120e+00 -8.8795e-01
  1.8656e+00 -1.3303e+00  3.3187e-01 -1.2778e-02 -2.7841e+00  8.2856e-02
  2.3386e+00 -1.1519e+00 -3.3973e-01 -1.0804e+00  6.6787e-01 -1.1441e+00
  6.2913e+00 -2.2561e+00 -2.6696e+00 -9.4885e-01  1.5190e+00  2.8642e-01
 -5.0289e+00 -2.7360e-01 -2.5915e+00 -6.6266e-01 -3.0033e+00  2.1089e+00
 -3.0063e+00  1.3517e+00 -2.3850e-01  1.5531e+00 -2.0378e-01  2.3126e+00
  5.9532e+00  4.6704e-01 -1.1345e+00 -1.8877e+00 -8.9248e-02 -3.0204e+00
 -2.8220e+00  2.2960e+00 -1.6892e+00  1.3763e+00 -1.0259e+00 -1.9485e-01
 -2.0356e+00  3.4231e+00 -4.9098e-01  6.1939e-01 -2.2311e-02  2.0585e+00
  1.0339e+00 -8.0550e-01 -3.3702e+00 -9.2252e-01  1.0610e-01 -2.9946e+00
  3.7663e-01  1.0722e+00  7.2173e+00  1.0147e-01  3.8356e-01  1.1884e+00
 -1.2079e+00 -3.5022e+00  3.5245e+00  2.1248e+00 -8.3251e-01  3.7149e+00
 -3.3257e+00 -2.9565e-01 -3.4269e+00 -3.5379e+00 -8.5829e-01  3.9612e-01
```

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 -2.2096e+00  4.1134e+00 -3.1506e+00 -1.2965e-01 -2.8931e+00 -4.4588e+00
  5.0101e-03  3.4376e+00  9.9656e-01 -1.4664e+00 -8.9134e-01  3.1075e-01
  1.4963e+00  1.0109e+00  1.1822e+00  1.7684e+00 -3.5563e-01  3.2564e+00
  9.4909e-01 -1.2141e+00 -2.8237e+00  1.2083e+00 -1.1891e+00 -3.7440e+00
  1.9314e-01  1.9664e+00  2.7252e-01 -3.1439e+00  9.4347e-01  3.5943e-01
  4.4291e+00  1.0114e+00 -3.0071e+00 -2.2569e+00 -1.1136e+00 -9.8289e-01
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 -1.6409e+00 -6.6397e-01  1.8728e+00  1.4100e+00 -1.2742e+00 -9.5219e-01
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 -2.6360e+00  2.8210e+00  3.2434e+00  4.5627e+00  1.8119e+00  3.7579e-01
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  1.2311e+00 -1.7101e+00 -1.2562e-01  5.9954e-01 -3.5974e+00  3.8223e-01
 -1.7241e+00  1.2459e+00  4.6238e+00 -1.5342e+00 -1.4573e+00 -1.9226e-01
 -5.9568e+00  1.1616e+00  8.7217e-01 -4.8226e-01  3.2462e+00 -2.1123e+00
 -5.0044e+00  1.6956e+00  3.6138e+00  4.8306e+00 -4.3731e+00  6.5381e-01]
this [ 2.1790e+00  4.3820e+00 -3.6766e+00 -3.0660e+00  4.6297e+00 -3.5691e-01
  2.7313e+00  1.0662e+00 -3.0959e+00  1.5092e+00  8.9701e+00  2.9807e+00
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  3.6573e+00 -3.0178e+00  2.7788e-01 -3.0669e+00 -2.5086e+00 -2.4589e+00
 -1.0248e+00  1.3385e+00  8.4223e+00  2.0983e+00 -4.1140e+00  4.0198e+00
  2.9452e+00 -3.8445e+00 -2.2845e+00  2.1215e+00  4.8161e-01 -1.8626e+00
 -2.3568e+00  1.6330e+00  9.6536e-01 -7.2313e-01  4.7061e-01 -3.9073e+00
 -4.6706e+00 -4.9007e-01  1.2078e+00  2.8372e+00  4.8466e-01  2.2047e+00
  3.6709e+00  1.9159e+00  5.5928e-01 -1.7662e+00 -1.2666e+00  4.7163e+00
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 -3.1082e+00 -4.8376e-01 -2.2490e+00  1.4030e+00  3.2133e+00 -7.3058e-01
  2.7140e+00  2.7510e+00  1.3363e+00 -6.2365e-01  2.5197e+00 -1.5825e+00
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  5.0760e+00  7.4845e-01 -1.9281e+00  5.4850e+00  3.0282e+00  1.8254e+00
 -1.6965e+00  6.2915e-01 -1.7541e+00 -5.5486e-01 -2.0430e-01  4.4299e+00
  1.2090e+00  5.3392e+00 -3.4881e+00 -1.0099e+00  1.9999e+00  2.5807e+00
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  3.4305e+00 -4.9209e+00 -2.2861e+00  1.3281e+00  1.9322e+00 -2.7033e+00
  9.0639e+00 -4.7301e+00 -3.1479e+00 -6.7460e-01  3.8068e+00  1.0272e+00
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  2.4075e+00 -1.1465e+00 -6.1226e-01 -2.3781e+00 -1.0761e+00 -2.8319e+00
 -5.9583e-02  2.2768e-01 -3.4590e+00  1.1219e+00 -4.3867e+00  2.5836e+00
  1.6433e+00 -1.7643e+00  1.0957e+00 -8.9381e-01  3.3722e+00 -1.5097e+00
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 -6.5039e-01  1.1792e-01  4.9469e+00 -3.5283e+00 -7.3864e-01 -3.0299e+00
 -3.5403e+00 -4.5306e+00  3.2521e+00  6.8611e+00 -3.1452e+00  2.2281e+00
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  4.6149e+00  8.2447e-01 -1.1147e+00  1.1136e+00  1.1984e+00  3.9318e+00
 -4.5406e-01 -3.8871e-01 -1.1278e+00 -1.1383e+00 -2.9728e+00  3.5958e+00
 -7.2008e-01  3.4830e+00 -3.1516e+00 -3.4976e+00  1.7031e+00  2.1714e+00
  1.6108e+00  4.6180e-01 -8.1046e-01 -5.6828e+00 -1.3381e+00  2.1564e-01
 -6.7239e-01 -2.3784e+00  1.8088e+00  3.2121e+00  1.4849e+00  7.0017e-03
 -1.5948e+00 -4.6884e-01  5.8755e-01  3.0312e+00 -1.8535e+00  1.5484e+00
 -2.1715e+00 -4.8736e-01  2.1764e+00  1.5812e+00  1.8836e+00  5.1996e-01
 -7.6438e+00 -4.0645e-01 -1.9337e+00 -6.9310e-01  3.6017e+00  1.7277e+00
```

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 -2.0845e+00  6.3676e-01  1.9741e+00  4.0794e+00  2.9628e+00  7.7411e+00
  1.6598e+00 -2.7880e+00 -2.4691e-01  1.2230e+00 -7.5775e+00 -7.2529e-01
  3.0144e-01 -5.9701e+00 -6.3450e-01 -4.2744e+00 -1.5208e+00 -2.2069e+00
  2.3239e+00 -2.1591e+00  7.0657e-02  3.3115e+00 -2.0020e+00  1.6564e+00
 -3.6546e+00  2.5966e-01  7.9111e+00 -1.1555e+00  5.6141e+00 -8.4836e-02
  2.6208e-01  1.9898e+00  4.0460e+00  3.6130e+00  4.1699e+00  1.8047e+00
 -5.5009e-01  2.3950e+00  1.5236e+00 -1.3972e+00 -4.1928e+00  2.7108e+00]
week [ 4.7009e+00 -1.1818e+00  1.4360e+00  2.7445e+00  1.7501e+00 -2.9822e+00
  3.4670e+00  7.6178e+00  1.4385e+00 -5.0762e+00 -4.0959e+00 -2.4762e+00
 -6.0933e+00 -5.4652e+00 -4.6391e+00  9.6224e-01  4.0019e+00 -4.9105e+00
 -1.4034e+00  2.1253e+00  1.5367e+00  2.8686e+00  5.2866e+00  2.3038e-01
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  6.8359e+00  3.5646e+00 -2.8882e+00 -3.5639e+00  5.6811e+00 -3.1758e+00
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 -2.1798e+00  2.3058e+00 -5.8404e+00  2.9102e+00  3.8629e+00 -2.2812e+00
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 -8.2899e+00 -2.7720e+00 -4.5621e+00  3.7013e+00  5.8758e-01 -3.2939e+00
  7.4780e-01  4.8323e+00 -2.2048e+00 -6.0853e+00 -2.4204e+00 -2.1157e+00
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  2.1778e+00 -1.1962e-01  1.4569e+00 -3.3723e+00 -9.5082e+00  2.6670e+00
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  7.7405e+00 -1.1481e+00  2.1071e+00 -4.2022e+00 -1.5502e+00  5.4186e-01
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  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
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 -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
 -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
 -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
 -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
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  5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
  1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
 -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
 -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
  4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
  3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
  2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
 -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
  7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
  6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
  0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
  0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
  3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
 -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
 -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
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  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
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  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
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 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
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```

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Defense [ 2.6002e-01 -1.7167e+00 -8.6314e-01  5.1324e+00  1.7046e+00  2.0644e+00
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 -2.0432e+00 -2.8171e-01 -8.4493e-02  1.1377e+00  8.6292e-01 -1.2655e+00
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  1.1611e+00 -1.8546e+00 -2.7324e-01  2.3591e+00 -7.6830e-02 -2.0106e+00
  9.7600e-01  6.0061e-01  7.1259e+00 -3.0445e-01 -2.6288e+00  4.4510e+00
 -1.5669e+00  8.8860e-01  2.4013e+00  9.8402e-01  6.9931e+00 -5.8445e+00
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 -4.5791e+00  2.1940e+00  1.1049e+00  5.9837e-01  3.7414e-01  9.6633e-01
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  2.4492e-01  1.0117e+00  3.2693e+00 -9.5010e-01  5.8508e-03  9.3704e-01
 -3.8259e+00  4.3888e+00  3.7159e+00 -4.0342e+00  3.1491e+00  9.5624e-01]
Advanced [ 2.7754e-01 -1.7130e+00  4.3834e+00  3.0149e+00 -1.0660e+00  2.2375e+00
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  1.4553e+00  3.7721e+00 -2.9333e+00  1.3635e+00  1.0747e-01  4.2891e-02
  2.9272e+00  2.3949e+00 -2.1493e+00  1.9161e+00  3.9891e+00 -6.7527e-01
  1.9101e+00 -3.7039e+00  3.8405e-01  1.5964e+00 -1.6558e-01  1.8184e-01
 -1.3796e+00  3.5818e+00 -1.9855e-02  1.8184e+00 -2.5934e+00  6.6994e-01
 -2.6452e+00  3.6417e-01 -2.6772e+00 -1.2116e+00 -5.3194e+00  1.7756e+00
 -2.7057e+00 -2.0450e+00 -1.9232e+00 -4.1356e-01  9.7042e-01  1.1010e+00
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 -3.2525e+00  1.0328e+00  1.8701e+00 -6.1054e+00  3.9007e+00  1.0710e+00]
Projects [-1.4124e+00 -3.3932e+00  1.7085e-01  1.0891e+00  1.0961e+00 -2.7602e-01
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 -1.2741e+00 -2.3707e+00 -1.7241e+00  1.6175e+00  1.6623e-01 -4.2246e+00
 -1.0106e+00  1.2824e+00  2.2693e+00 -1.6819e+00  2.0345e+00 -7.0523e-01
 -2.0630e+00 -2.5658e+00 -1.9484e+00  4.6015e-01  4.9375e+00 -3.8724e-01
  1.7245e+00 -4.8973e+00  6.0490e-01 -2.0294e+00  2.1643e+00  1.8756e+00
  3.0960e-01 -1.6721e+00 -6.1928e-01  2.2767e+00 -7.1537e-01  1.9403e-01
  2.5604e-01  1.7886e+00 -1.7602e+00 -5.1593e+00 -3.6307e-01 -5.0736e-02]
Agency [ 2.0584e-01 -4.0319e+00  3.1977e+00  5.6892e+00 -3.0504e+00  1.7123e-01
 -2.8062e+00 -1.9913e+00  5.4006e+00  1.4104e-01  2.0936e+00 -1.1677e+00
 -2.8867e+00  3.3086e-01 -1.9772e-01  4.9464e+00  2.8666e+00  3.8902e+00
```

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  3.0637e+00 -1.8101e+00  2.1740e+00  2.9891e+00 -3.9654e+00 -4.7502e+00
  1.7207e+00  2.6247e+00  1.2139e+00  2.7778e+00  2.6479e+00  6.0064e-01
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 -3.2198e+00 -4.0021e+00  6.0837e-01 -4.5359e-02 -3.1853e+00 -5.5748e+00
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  3.0063e-01 -2.3594e+00 -1.8854e+00  1.0221e+00  1.1017e+00  3.9622e+00
 -1.7161e-01 -1.3438e+00  1.4144e+00 -1.5288e+00  3.8088e+00  5.5948e+00
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 -2.3755e+00  8.9885e-01 -5.2919e+00 -5.2467e-01  5.1367e+00 -1.5816e+00
  3.9068e-01  2.1475e+00 -7.5157e-01 -1.2012e-01  2.3970e+00  3.1206e+00
 -2.6485e+00 -1.2700e+00  1.1068e+00  4.9123e-01  4.5853e+00 -5.5145e+00
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  5.9839e+00 -6.8007e+00  1.7175e+00 -1.9995e+00  1.3952e+00 -1.8740e+00
  4.2705e+00  1.9526e+00 -2.1124e+00 -3.5974e+00 -3.0972e+00 -3.5401e+00
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  2.8053e+00  4.2703e+00  4.9415e-01 -1.3680e+00  3.3922e+00  4.3432e-01
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  6.1028e+00  1.8802e-01 -2.3091e+00  3.5923e+00 -8.1987e-01 -1.3725e+00
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 -3.8161e+00 -2.7425e+00  1.5915e+00  2.1444e+00 -2.6218e+00  7.3063e+00
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 -9.3593e-01 -1.4570e+00  8.0503e+00 -2.6959e-01 -3.5476e+00  4.2854e+00
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 -2.7128e+00 -2.4172e+00 -6.9160e-01  7.6457e+00  3.6132e+00 -5.1360e+00
 -1.2010e+00  1.5547e+00  2.8281e+00 -2.1139e-01  2.0991e+00 -1.0595e+00
 -4.8177e+00 -6.2086e+00 -1.2554e+00  3.4421e-01  5.5170e+00 -8.6500e-01
  3.1597e+00 -3.4734e+00  2.6591e+00 -8.3281e-01  1.9896e+00  5.7662e+00
 -1.1532e+00 -2.6547e+00  7.0977e-01  1.1388e+00  3.5733e+00 -4.6385e-01
 -3.2098e+00  2.6946e+00 -1.0335e+00 -1.2783e+00 -2.7777e-01  6.1723e+00]
announced [-2.9334e+00 -7.7970e-01  2.2892e+00  1.3078e+00  8.7088e+00  9.9080e-01
  3.3739e-03  1.5519e+00  2.2923e+00 -2.7184e+00 -2.6589e+00 -2.9428e+00
 -5.7110e+00  3.1393e+00 -4.7941e+00  3.8360e+00  3.5559e+00 -2.8629e-02
  1.7251e+00  3.3304e+00  3.2854e+00 -3.6556e+00 -8.9677e-01  4.6197e+00
  1.4049e+00 -1.0307e+00 -2.5237e+00  1.5389e+00  2.9782e+00 -6.9100e-01
 -7.1095e-02  1.5462e+00  2.9433e+00 -1.5142e+00  3.1185e-01  6.3838e-01
  1.7906e+00  1.2697e+00 -7.5659e-01 -4.9535e+00  2.0549e+00  4.1161e-01
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  2.7991e+00  6.1920e-01  1.7774e-01  3.5419e+00  2.1390e-01 -2.0178e+00
  4.0674e+00 -4.3991e-02 -7.7181e-01 -3.1919e-01  7.6637e-01 -1.2342e-01
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 -1.3384e+00  1.1027e+00  1.5302e+00  1.5109e+00  7.0663e-01 -3.1861e+00
 -5.7247e+00 -1.5161e+00  1.9933e+00  2.5669e+00  5.9616e+00  1.9365e+00
```

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-7.9596e-01  2.8899e+00 -4.8429e+00  2.5579e+00  4.4317e+00  4.3023e+00
 4.0336e+00 -5.3117e+00  2.2339e+00  9.1159e-01  2.4215e+00 -4.2298e-01
-2.6964e+00  6.9209e+00 -2.3902e+00  2.8243e+00 -3.2094e-01 -2.3653e-01
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 9.8462e-01 -1.1230e+00  7.0567e+00 -1.0288e+00  7.9971e-01  3.7715e+00
 1.6378e+00  1.0807e+00  4.1117e+00 -5.0376e+00 -3.6863e+00  1.2274e+00
 1.8082e+00 -4.5965e-01  2.1624e-01 -7.1154e-01 -1.1528e+00  1.2349e+00
 2.6175e+00  1.2762e+00 -9.8650e-01  8.8812e-01 -1.3049e+00 -5.4794e-01
-2.7984e+00  2.6230e+00 -4.3011e+00  2.2485e+00  1.9968e+00  1.4460e+00
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 1.3403e+00  2.7403e+00  3.7495e+00 -9.0543e-02  5.8031e-01  1.9831e-01
 3.9441e-01 -1.6010e-01 -1.4054e+00 -1.3021e+00 -8.0974e-01 -3.3754e+00
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 4.5736e+00  1.0141e+00  1.8852e+00 -1.3330e+00 -1.2024e+00 -2.6555e+00
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-6.3442e-01 -3.2734e+00  4.1657e+00 -1.4533e-01  5.2035e+00 -4.7033e-01
 3.7182e+00 -3.7949e+00  3.9469e+00  4.3051e+00  4.2198e+00  5.0083e+00
-2.2397e+00  4.6946e-01  1.5724e+00 -7.1523e-01 -5.8859e+00  1.6101e+00
 3.3589e-01  1.4348e+00  1.8705e+00 -2.8167e-01  4.6891e+00  1.6913e+00]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
   1.5755     7.9405     8.0812     2.6194    17.189      5.1028
  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
   0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
  -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
  -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
  14.441    -13.343      1.224      3.2356    10.772     -3.7069
```

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   7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
  -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
   3.2295    14.775      2.1246     7.2148     3.6015     3.3317
  11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
   7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
   3.1062     0.87365   11.799     -3.936      5.7646    10.454
   4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
  -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
  -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
  -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
new [  2.593      4.3454    -1.466     -1.2656     2.8705    -1.0454
   3.9176     4.8105    -4.4885     3.2401     2.1087     6.5324
 -10.131      6.6409     0.27289    0.564      1.8185    -3.9733
  -3.9734     1.8297     5.8952     1.2496     3.2958     0.030106
  -1.162     -1.4982    -1.3581     2.5729    -4.4691     2.4734
  -7.4885    -3.4676    -0.53598   -4.7145     2.3582    -3.3043
  -1.4018    -1.6854    -1.849     -8.1435     2.9397     1.2055
  -1.2674     0.91577   -4.5172     5.8075     1.1925     1.8979
   6.1388    -1.0358    -4.074     -4.2188    -5.163     -4.5361
  -3.4362     0.93389    0.064014   7.9496    -0.030416  -4.0014
   6.7745     3.6638     2.012     -0.11265    1.8488     7.2057
  -0.16971   -6.9102     1.1711    -2.4398    -7.195      4.2683
   0.9006    -5.7203     2.7967     1.7126    -1.569      3.2519
  -4.4507    -4.2083    -8.8073    -1.4641     1.3351     2.531
  -1.9357    -2.4781     6.4028    -2.8511    -8.2752    -1.4941
  -7.5258     1.1667     1.783     -4.8047    -0.38959    6.4523
   5.616     -1.901     -0.99175    1.4726    -0.32424   -2.3112
   1.9398     2.9423     3.6352     2.0828    -0.52848   -2.1444
  -1.0336    -3.8658     0.45486    6.263      4.24       1.8398
  -1.1294     2.5817    -1.7117    -4.876      0.91463   -4.1707
  -5.2296    -3.82       4.4567     7.3578     1.7327    -7.7043
  -4.4421    -3.4787    -3.737     -2.7298    -7.66      -4.6807
   1.9748     7.0736    -6.7904    -2.494     -2.8548     2.2308
   7.6443    -2.861      0.74459    4.4875    -7.0895    -5.1707
  -4.4216    -2.3651    -9.9652    -3.6435     1.7108     3.3328
   0.98232    2.6576     5.5048     1.0036    -4.5437    -6.3586
   8.9333     2.4981    -1.7065     4.0213    -2.8199    -4.6651
   3.14       2.8622    -5.3182     4.328     -7.1448    -1.9938
   4.8681    -4.8602     7.4712    -2.2579    -0.52421    9.8737
   0.98574    2.9149    -1.1721     4.2751    -1.7765    -0.86623
  -0.3788    -2.0966    10.215      2.2004    -4.3389    -7.0367
  -4.1728     0.45066    0.79991    7.1456    -2.2799    -1.039
   3.8125    -2.5397     1.1817     6.3209    -4.2526    -5.3255
```

```
  -4.9938     1.113     -1.652    -10.44      -1.2328    -2.1638
   3.0066     7.9959    -5.6395    13.154      7.5357    -0.4976
  10.719      0.55434   -6.1904    -2.9667     5.9524     2.3098
   3.1139    -2.9807    -4.1624    -1.5465    -4.4951     3.6024
  -5.6035     8.0356    -6.8933    -5.2434    -0.3394    10.198
  -1.2923     0.85054   11.64      -1.7606    -9.458      3.2441
   8.8538     0.57973   -4.9931     1.6488     5.8124     6.1091
  -2.0008    -2.2498    -4.4335    -5.4842    -8.6771     3.7767
  -1.4648    -3.6131    -0.32584   -1.2759     1.0388     2.1735
  -6.3862     0.52232    1.0004    -1.0593    13.228      1.2324
   0.46648   -0.23821   -5.0459     1.6792     3.4703     6.1179
   6.2291     0.60988   -4.6012     3.6347     4.4698    -2.9322
  -0.80766    0.74012   -3.678     -9.0491     7.677     -5.2912
   0.052622  -2.561      0.42135   -3.5056     6.0332     2.6589
  -3.7357     5.055      1.9308    -0.78488    2.3444     9.5688
   1.5928     9.798      2.0445     4.7535    -2.7616    -0.20498
   1.4246    -2.5834    -4.1083    -1.261     -5.4478     4.2885  ]
competition [ 0.80545  -1.6733    0.93426   2.1234    4.7143    3.6777    2.1357
  4.8898   -2.6546   -4.0521    7.4628    3.3704   -5.44      1.5188
 -1.9577    6.1247    3.1302    1.1167    0.068634 -5.5652    2.0745
  2.0279   -3.6472    2.5661    0.88792  -0.02204  -6.6461   -2.0407
  1.2594    1.7617    3.3616    1.6893    1.3485   -3.2507    3.079
  1.5532    1.8108    0.44914  -5.7359   -2.1686    1.6811    2.3135
 -1.0209    0.58101  -2.631    -2.2386    1.3803   -0.80982   0.31329
 -0.80125  -2.9323    4.2014   -1.6848   -2.4564    1.8691    2.1284
 -3.1644    2.8592   -0.08909  -2.551     2.7413    0.10108  -4.7364
  0.48765   5.9979    1.9876   -4.7686   -1.5849    2.3212    5.3775
  0.54891   1.0731   -2.392     0.68297  -3.0614   -0.31391  -0.069821
  3.245    -2.0397    2.0375   -3.1038   -1.301    -1.2991    1.1978
  1.0143   -0.78555  -3.9626   -4.4109   -2.2221    0.7679   -1.9691
  0.073974  0.3448   -2.9444    1.6853   -0.56978   0.93356  -1.3012
 -0.8414    2.4581    1.3335   -0.70462   6.7841    3.8279    0.045806
  5.0785   -1.1557   -3.2171   -1.8225   -4.5213    2.209     0.24979
 -1.3688    2.1462    1.3181   -1.0371   -1.576     0.64362   0.58795
 -2.1752    1.3561   -2.6201    0.57105  -1.9326   -3.5327   -0.68477
  0.22799  -3.3661    2.3076   -3.5518   -0.73971  -1.3084    4.299
  2.6154    0.73787   2.5533    0.55075   3.6174   -3.1743   -0.99199
 -1.6692   -0.29522  -0.19473   0.98233   1.6995    2.2721   -5.1352
 -4.5638   -0.087562  3.7007   -1.2501   -0.19533  -0.57355  -0.083334
 -0.98844   2.2772    3.6608   -0.045762 -1.7797   -5.5022   -4.4102
 -1.4704    0.86336   3.0425   -0.55853  -0.11322  -3.5275    0.79441
 -0.72104  -1.066    -2.6967   -1.9072    0.23553   3.019     1.8397
  1.8274   -0.71608  -3.4356   -2.481    -0.9214   -4.1415   -0.74044
 -0.40351   0.44456  -4.8129    3.9999   -1.4031   -0.38833   1.7479
  2.1323   -0.34831  -0.68261   2.0153   -1.6823    6.3945   -1.8635
 -4.4105    0.48781   0.18107   0.19981   1.017     0.19583   0.52076
 -4.2269    4.3079   -0.3057   -3.4691    2.8673   -0.58288  -1.6313
  1.3122   -0.27927  -2.2236    0.968     1.6238    3.7739    2.1217
 -6.2713    0.12557  -1.7375   -2.8633    2.542    -3.1533    0.18819
 -4.2953   -4.6119    1.4853    4.3677    1.1619   -0.29626   5.6574
 -2.1554   -0.94961   3.0072    3.6851   -1.572    -1.1874    1.1441
  0.20964  -1.1496   -1.138     0.84139  -0.080182  2.9291   -0.73957
  1.7467   -0.80281   1.0246   -0.048671  2.8908   -1.2199   -3.6259
 -2.769     2.2274   -1.5939   -3.742     2.7744   -0.73557   1.9793
  1.9706   -1.6529    3.0502    1.8069    3.6526    1.1036   -0.90822
 -0.90248   3.396    -1.714     2.8742    0.95128  -0.081529  2.4921
 -1.0329    1.2389   -3.4514   -1.9859   -1.3894    1.0925    0.34906
  5.5107   -1.4066    1.3928   -0.79624   5.0982    1.0848    3.3678
  0.43757  -1.4021   -2.2126    3.0091   -2.354    -2.4737    2.3345
 -2.7339   -0.14735   3.9202   -3.1486   -2.3445    0.42641 ]
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to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
use [ -4.9378    -0.037231  -0.17189   -0.22314    3.3619    -3.8921
  -1.1346     5.7404   -13.528      1.6049     8.5311     9.7783
  -9.2993     7.8995     9.2008     7.1049     5.2999     0.86902
   3.1056    -2.2583    -1.9222    -1.4171    -7.0092     2.8879
  -3.183     -1.3161     2.3259    -1.1795    -7.092      1.9423
   1.8216    -4.8254    -7.5235    -0.84886    4.5312     1.9135
   2.9552     4.4891    10.217     -2.96      -3.3069    -2.7001
  -1.1647    -0.45238   -6.094      5.4798     6.3447    -6.6854
  -0.11899   -5.8058     4.4014     3.0621     2.9354   -11.946
  -8.3546     2.4467    -5.132      6.9005     2.5801     1.1996
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  1.3641     0.11834   -5.3512    -5.4763     8.7976     5.5072
 -5.9953    -9.1504    -0.25448   12.837      0.10457   -4.4686
 -2.5715     7.7255     0.38161    4.9269    -5.2067     5.169
  2.3697    -1.0369   -12.287     -1.4901     3.2734     2.0093
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  5.5006     0.61517    4.5011    -3.2031    -0.098162  -0.65342
 -0.54025   -2.5229    -5.35       0.95603   -9.6948    -0.64818
  1.3117     1.7537    -1.0751     7.2137    -6.5743    -9.1468
 -8.2754     0.11354   -0.45148   -6.3983    -7.6525    -1.8904
  1.6243    13.6       -1.7801    -4.6453    -3.0253    -4.5049
-16.652     -3.4548    -0.63085   -3.4605    -1.7531    -1.6933
 -3.8324   -12.675      3.1983    -1.3624    -4.2016     0.78629
  3.2596     2.684      5.3014    -1.4205    -2.9106   -11.88
  7.6026    -2.855      1.1374     4.3051    -2.5869    -3.8499
  2.9799    -3.0837     2.1445    -3.7141     6.4864     1.6891
 -2.0248    -0.081664  -1.7298     3.2609    -5.0084     0.21367
  5.6737     0.55285    3.7836     0.22727   -1.25       3.9129
 -2.208      1.9757     1.8152    -0.94047   -8.1886     5.5113
  0.77146   -7.4135    -5.0367    -1.4917    -1.351     -6.5039
  1.5767    -4.1715     6.3272     4.245     -3.6222    -0.62721
  1.9228    -6.0263     1.3497    -6.8752    -0.87475   -4.7068
 -2.6748    -3.3073     3.3392     5.0506    -1.9428    -1.5702
 -2.172      3.702     -2.0907     2.3813    -4.6545    -3.0526
  2.5367    -5.8471   -13.372     -2.2955     3.4435    -3.3195
  3.1869     1.4667   -11.138     -1.9642     2.5428     2.3239
 -1.4955    -4.0322    -0.82668   -2.7416    -4.5519    -2.4164
  3.1886    -8.5201     1.4772    -1.0011    -2.2932    -4.0874
 -0.74083   -4.3895     4.3167    -6.5159     0.48752    1.5573
  6.6279    -0.66866    1.3537    -6.7085    -1.0848    -3.1044
  2.0499     1.4047    -4.5574    -1.1771     5.2982     6.0734
-11.392     -0.14276   -7.8292     5.4092     4.3613    -2.0782
 -4.5709    -3.3603    -4.6338    -1.0563     2.3923    -4.2328
 -5.9711    -6.1783     1.9557    -6.2715    -1.564     -4.2312
 -0.42536   -4.2062   -15.434      6.6492    -6.3228    -3.1696
  1.9379    -0.25363   -3.818     -1.9923    -4.9506    -4.7265
  4.4008    -1.7078    -0.58909   -1.6294    -5.178     -6.8257
 -1.4267    -1.8507     0.84699    4.2728    -2.1752    -3.4627
  1.8198    -0.88728    5.6152     2.4474     4.4509     4.8182
  0.66135    4.2731     1.6044    -1.1714     1.4227     3.9463
 -0.93175   -4.8569     0.77048   -7.3877    -1.8429    -2.4605  ]
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  3.0580e+00  4.0770e+00 -2.3922e+00 -1.4594e+00  6.4190e+00  2.3408e+00
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 -2.4289e+00  3.3577e-01  1.9483e+00  4.7800e+00 -1.3146e+00 -1.4861e+00
 -1.5851e+00 -3.2065e+00  1.9104e-01 -3.9727e+00 -1.6602e+00  2.5932e+00
  1.7028e+00  1.2718e+00 -3.4808e+00 -1.1231e+00 -7.1224e-01 -3.8914e+00
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  2.7605e+00 -1.2996e+00 -1.4081e+00  3.9949e+00  5.2066e-01 -2.2008e-02
  2.7261e+00 -2.5921e+00  8.9375e-01 -7.2451e-01  1.5364e+00  4.7203e-01
  1.2604e+00 -3.4024e+00  8.7527e-01  1.4970e+00  3.1531e+00  7.2801e-01
  2.4933e+00  1.3117e+00 -1.6021e+00 -1.5873e+00 -2.4014e-01  2.5251e+00
 -2.3462e+00 -6.7706e-01  3.1598e-01  7.2715e-01 -2.8527e+00 -2.6802e+00
  1.6482e-01  1.1626e+00  2.8710e-02 -3.3676e+00 -2.1764e+00  8.5218e-01]
AI [ 6.1869e-01  1.2587e+01  1.6028e+01  4.7017e+00 -3.5819e+00  4.6631e+00
  6.1646e-01  4.0545e+00 -9.9546e+00 -3.0884e+00  5.9248e+00  7.2768e-01
 -9.9323e+00  3.8500e+00  5.5162e-01  6.4762e+00  1.6270e+01  2.8287e-01
 -1.9891e-01 -6.8024e-01  5.6872e+00  2.3320e+00 -5.1827e+00 -1.1052e+01
 -9.0753e+00 -7.7140e+00  5.2942e+00 -8.4062e+00  3.5339e+00  5.7073e+00
 -3.5595e+00  6.4748e-02  5.0286e-05  2.2772e+00  1.5312e+00 -1.2104e+01
  1.1697e+01  3.1172e+00  1.2409e+01 -2.9225e+00  3.4033e-01  4.2832e+00
 -9.8264e+00  4.0640e+00 -1.1671e+01 -9.8510e+00 -1.3919e+00 -5.3706e+00
  4.8537e+00 -1.1858e+01  7.3015e+00 -4.7101e+00  4.7406e+00 -4.4613e+00
 -3.8255e+00  6.2826e+00 -5.2355e+00  6.5506e+00  2.7690e+00  2.8569e+00
  9.0748e+00  1.7618e+01  2.7549e-01  7.1337e+00  4.9903e+00  9.7100e+00
 -4.6798e+00 -2.0915e+01  1.8226e+00  3.6946e+00  8.4655e-01  9.6267e+00
  1.0280e+01 -1.6060e-01 -8.3087e+00 -5.3565e+00 -1.8751e+00  1.1825e+00
  1.9157e+00 -6.2487e+00 -4.8719e+00 -7.5480e+00 -6.7414e-01  7.9720e+00
 -7.5165e+00 -6.5828e+00  5.3038e+00  5.1822e+00 -8.9691e+00  3.4030e+00
 -1.2262e+01 -3.7011e+00 -6.2159e-01  4.0970e+00 -1.0730e+01  1.0047e+00
 -2.2405e+00 -8.8812e+00  1.0971e+01 -7.6840e-01  4.7883e+00  1.9104e+00
  1.9301e+00  4.4811e+00 -7.9643e+00  1.2262e+00 -1.0377e+00  6.2550e+00
  5.8459e-01  9.8552e+00  4.8381e+00  3.2218e+00 -2.4746e+00  8.7936e+00
  7.1575e+00 -6.5542e+00 -8.5722e+00 -4.8591e+00 -3.7189e+00 -9.9886e+00
 -8.7317e+00 -4.0756e+00  6.8521e+00 -6.6975e+00  9.1205e+00  6.2413e+00
 -4.4696e+00 -1.4248e+01  8.3713e+00 -1.0585e+01  3.8070e-01 -6.5295e+00
 -4.0996e+00  5.4522e+00 -6.6194e+00  1.7675e+00 -8.2127e+00  8.9192e-01
  5.7818e+00  4.3325e+00  1.4043e+00 -5.5234e+00 -6.3650e+00 -6.8365e+00
  2.3017e+00  1.3511e-01 -4.0662e+00  1.0531e+01  3.6353e-01  4.0413e+00
  5.6114e+00  9.9294e+00 -1.0425e+00 -2.5208e+00 -7.1279e+00 -3.3542e+00
  4.9536e+00  1.2797e+01  1.0166e+00  2.4799e+00  5.1036e+00  7.2470e+00
 -9.9900e+00 -3.4104e+00 -1.3032e+01 -4.2529e-01  1.5566e+00 -1.0857e+00
 -5.4087e-02 -2.0184e+00 -1.6324e+01 -5.0229e+00  1.4560e+00  4.0786e+00
  7.5318e+00  8.1921e+00 -1.2861e+01 -1.0000e+01  2.2295e-01 -6.4354e+00
```

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 -1.3453e+01  1.2180e+00 -3.4212e-01 -2.1673e+00 -5.1843e+00  2.3981e+00
 -1.3361e+01 -1.1202e+01  4.3066e+00 -1.9320e+00 -3.5340e+00 -6.7263e-01
  7.2503e+00 -2.6175e+00 -1.0332e+01  9.5351e+00 -1.9536e+00 -2.1589e+00
  4.1719e+00 -6.5738e+00 -3.8183e+00 -5.4860e-01  6.6968e+00  2.0548e+00
  4.9236e-01  6.6728e+00 -1.3769e+01 -5.5718e+00  4.2226e+00  3.4052e+00
  3.7925e+00 -2.0371e-01 -4.8056e+00  1.1788e+01  2.2889e+00 -2.4310e-01
  1.0594e+01 -2.9798e+00 -1.8216e+00  2.1321e+00  2.8489e+00  8.1826e+00
 -3.1943e+00  2.8376e+00  3.4878e+00  3.5447e+00  1.3266e+01 -6.0662e+00
 -5.7170e+00 -6.8546e+00  7.8203e+00 -8.7235e+00 -1.3889e+01  1.1658e+01
  3.9012e+00 -7.6192e+00  1.4262e-01 -5.9428e+00  1.3250e+01  1.0503e+01
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  9.1854e+00 -8.8925e-01  3.5552e+00 -6.7675e+00  3.3616e+00  6.3822e+00
 -2.2441e+00 -5.6063e+00 -1.5498e+01 -2.0045e+00  1.5664e+01 -7.4311e+00
  3.9726e+00  5.8759e+00 -6.4068e+00 -4.3795e+00  6.9033e+00  6.0715e+00
 -9.1670e+00  4.0623e+00 -2.4536e+00  3.5149e+00  4.1275e+00 -1.9892e-01
  3.8086e-01 -9.1766e+00 -3.0350e+00  7.9691e-01  1.2410e+01 -1.5997e+01
  9.0336e+00 -3.3896e+00 -2.6887e+00 -1.5902e+00  5.3990e+00 -2.7479e+00
  4.2514e+00  5.8082e+00  2.1605e+00 -2.5151e-01  6.9045e+00  5.9154e+00
  1.3823e-01 -1.6145e+00 -2.4693e+00 -6.9598e+00 -3.3928e+00  6.1097e-01
  7.1376e+00 -4.2737e+00  5.1006e+00 -9.4068e+00  1.0899e+00  1.8832e+01]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
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  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
find [  4.3646     1.3248    -2.8755    -2.1208     0.47862    2.0856
  -3.828      2.7792    -4.4251     3.6158     6.7278     0.83885
  -4.8271     5.4726     6.2118    -0.71319    5.1287    -5.9959
   4.3376    -5.5807    -0.32834   -2.3591    -1.833      0.45987
   0.27071   -1.2884    -6.3568     0.56333   -0.42114    5.1543
   9.5618    -2.8897    -8.4338    -4.6886     4.7384     2.9036
  -2.9199     2.3582     4.032      5.4242    -2.853      3.4211
   0.2087     0.35855   -0.4752     1.3436     2.1646     0.25105
   2.2871    -4.3228     6.1878    -0.22273    0.30737   -5.2298
  -6.665     -0.022116  -1.0694     2.8326     1.3408    -1.8685
   3.1239    -1.7761    -3.9875     0.95327    3.6359     2.7164
  -4.5571     0.34861   -0.78531    6.4342    -2.7945    -0.5524
   3.7199    -0.50192    0.075922   2.3338     3.8606     0.20503
   1.7763     1.6916    -5.496      0.51789    5.1729    -0.67471
   1.4878     1.7904     4.8751    -3.4513    -0.99121    4.3287
   3.1072    -0.97108    1.4153    -3.5532     3.822     -5.4773
   1.1732    -4.5566    -0.17866   -4.8858    -0.95229    0.86323
   0.71886    3.6776    -0.082887   5.7856    -4.2026    -1.3059
  -3.1487    -0.48495    2.3071    -7.4749    -6.0123    -0.58653
  -4.6324     2.6444    -5.7486    -7.335     -4.2125     1.8171
  -6.0707    -0.25807   -0.8048     3.2658    -1.5797    -2.9194
   1.899      3.8447     3.8965     5.8483    -1.7586     1.5601
  -4.2416     0.50853   -2.6531    -3.0023    -5.8683    -6.5129
   8.5102    -2.1995    -2.2177     6.6651    -1.8172     4.7412
  -3.1525    -6.416     -6.6725    -3.095     -2.6289    -0.015304
   0.79026    0.95948    2.7876     6.5881    -3.9096    -3.9821
   7.4557     0.73506    0.55191    0.49591   -0.36794   -3.25
  -1.0438    -0.26137   -2.9471    -0.24754   -5.1349    -4.779
  -1.3094    -0.13825    5.2394     0.77517    2.7579    -3.3903
   0.34384   -2.4999     3.3266     4.8644    -1.7999    -7.0227
  -0.34905   -1.6139     4.8321    -1.9576    -2.7023    -8.8383
   4.726     -6.5329     4.2705     7.2386    -5.3463    -4.428
  -5.4275    -3.727     -5.8857     1.4763     1.4732     2.4714
   0.47524    1.0503    -7.1591     4.9145    -4.6909     0.36403
  -1.0567     5.2527    -7.4963     4.1513     3.3295    -0.61836
  -4.3578    -3.9419     3.5639    -0.43541   -3.231      3.2192
  -0.45503   -0.23664   -4.1509     2.1949    -0.3702     2.1615
   2.1346     2.2353     0.33586    8.2314     1.8619    -2.0291
   8.3309     2.0707    -2.7837    -5.8697     4.0093     1.1935
  -3.2058     2.74      -0.92006   -2.1713     2.3597     0.56458
  -6.6247    -3.674     -3.618      1.9956    -1.8236     4.0375
 -10.207      0.75827    2.9774     6.9832    -5.2767     0.90261
   0.42006   -4.3036    -1.1037    -4.9312     1.3983    -4.3994
  -1.9377     3.8359    -0.029537   1.0694    -5.4008     1.7453
   0.27993    1.4936    -4.2938    -2.1898    -9.0186    -6.045
  -0.27418   -9.3399    -3.5154    -2.6048    -3.129     -7.4238
   5.4128     0.6571    -1.4144     1.9875    -3.9588    -0.95265
  -2.4519    -2.457     -1.669      1.884      1.4675     3.1205
  -4.737      0.66922    0.33113   -2.6649     4.8402    -0.48723
   0.047478  -5.6654    -6.8166     2.7274    -1.3819    -4.2093  ]
```

```
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
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  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
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 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
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 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
fix [ 2.7928e+00  3.2528e+00  1.3871e+00 -2.2399e+00 -4.4769e+00 -2.4423e-01
 -1.2934e+00  2.6303e+00  3.3323e+00  5.3723e+00  1.9044e+00  5.8660e+00
 -2.4150e+00  4.3594e+00  6.0110e+00  2.8942e+00  4.6896e+00 -3.7160e+00
 -2.1254e+00 -3.8813e+00  2.3957e+00  8.7405e-01  2.6274e+00  2.3034e+00
 -2.0038e+00  1.0423e+00 -3.0412e+00 -2.9604e+00 -2.6863e+00  5.0662e+00
  2.6557e+00 -1.9464e+00 -4.1113e+00  1.0343e+00 -9.3512e-01  2.2299e+00
  1.2136e+00 -4.0668e+00  4.5640e+00  2.1648e+00  7.1648e+00 -2.7495e+00
  3.2496e+00  6.5960e-01  1.7125e+00 -5.3370e-01  3.7608e+00 -4.7931e+00
 -7.2272e+00 -3.7970e+00  6.3106e-01  8.4072e-03  4.0276e+00 -4.1529e+00
 -2.5924e+00  2.1265e+00 -4.1572e-01  6.9280e+00 -3.3367e+00  2.1802e+00
```

```
  3.2368e+00 -3.9208e+00 -7.1908e+00 -2.9141e+00 -3.7459e+00 -1.9522e+00
 -4.0425e+00 -9.9672e-01  1.1258e-01  4.2392e+00 -1.4924e+00 -3.0430e+00
  1.1716e+00 -7.2365e-01  5.3469e+00  1.5949e-02  3.0669e+00 -3.0649e+00
  6.0834e-01 -4.8374e-01 -1.3962e+00 -3.5314e+00  2.9553e+00 -2.5270e-01
 -1.4468e+00 -3.2737e+00  1.0078e+01 -4.2480e-02  1.6454e+00  2.0660e+00
  2.6846e+00 -3.3821e-01 -3.0062e+00  3.3550e-02  4.0649e+00 -7.4565e-01
 -9.2157e-03  1.3210e+00 -6.3458e-02 -3.4309e+00  1.5065e+00  2.6765e+00
 -1.6557e+00 -1.8597e+00  1.0685e+00  6.0479e+00 -7.0084e+00  7.8646e+00
 -1.8630e+00  3.8713e+00 -1.6765e+00 -2.7169e+00 -4.6719e+00  3.2896e+00
 -1.8110e+00  6.4532e+00 -3.4057e+00 -3.7914e+00 -6.9155e+00  6.6144e+00
 -7.9734e+00 -1.7882e+00 -3.8159e+00  9.5151e-01 -2.1209e+00  1.7386e+00
  2.2208e+00  3.4104e+00 -1.9453e+00 -2.3218e+00 -2.9138e+00  4.7932e+00
 -2.6152e+00  6.4923e-01  8.4288e-01 -5.2420e+00 -1.1034e+00 -3.0871e+00
  3.1696e-01 -2.2351e+00  5.7765e+00  2.5800e+00  4.9617e-01  1.7203e+00
 -5.7476e+00 -7.7721e+00  1.3525e+00 -2.4003e+00 -5.0265e+00 -4.3336e+00
 -1.9780e+00 -1.8179e+00  1.2200e+00  4.7368e+00 -2.7970e+00 -1.4584e+00
  7.5225e-01 -2.9033e-01 -2.4193e+00 -9.1257e-01  2.0331e+00  3.1752e+00
 -3.1428e+00 -3.8988e+00 -5.3137e+00  5.4202e+00 -4.7288e+00  1.0540e+00
  1.6199e+00  4.4887e-01  1.0539e+00  5.1483e+00  2.5869e+00  1.3075e+00
 -2.0124e+00 -2.4921e+00 -1.5433e+00  5.6726e+00  1.3787e+00 -3.2757e+00
 -6.8649e-01  3.2898e+00  1.3600e+00  2.9173e+00 -2.9090e+00 -1.0828e+01
  2.2383e-01 -4.9484e+00  3.1364e+00  4.6397e+00 -3.2292e+00 -2.4894e+00
 -2.9911e+00 -2.7703e+00 -6.3952e+00  2.2432e+00  6.0713e+00 -1.7742e+00
 -5.1253e+00  1.9315e+00 -5.4749e+00  2.9471e+00 -1.9845e+00  1.4454e+00
 -6.0105e+00  6.5303e+00 -4.6162e+00 -7.0458e-01  2.0114e+00  4.4774e+00
 -2.1177e+00 -5.1427e+00  4.8282e-01 -4.2404e-02 -2.0859e+00 -3.9912e+00
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  2.2718e+00 -5.1173e+00  3.5175e+00 -8.3398e-01  1.0538e+00 -1.6228e+00
 -1.9426e+00 -1.9785e+00 -4.7159e+00 -2.6001e+00  3.3889e+00  2.0428e+00
  1.6440e+00 -1.7751e+00 -3.2480e+00 -3.2645e-01  3.0304e+00  5.3786e+00
 -7.8682e+00 -1.8585e+00 -1.0583e+00  3.5328e+00 -6.9049e+00 -4.7664e+00
 -3.4239e+00  2.4793e+00 -2.7899e+00  4.0406e-01 -4.6017e+00  2.5676e+00
 -2.9389e-01  1.0328e+00  5.2553e+00 -6.3344e+00  2.3809e+00 -6.1815e+00
 -5.7405e+00 -2.1417e+00 -4.7981e+00  3.4410e+00 -4.9257e+00  2.1995e+00
 -8.6291e-01  2.4618e+00  3.5741e+00 -2.1706e+00 -5.7901e+00 -8.9635e-02
 -1.0508e+00 -1.9586e+00  2.6902e+00 -2.6252e-01 -6.2195e+00 -7.2383e+00
  3.3021e+00 -5.7625e+00 -1.3921e+00 -4.5775e-03 -7.6170e+00  3.8642e+00
 -1.5333e+00  5.5694e+00 -2.7107e+00  1.1762e+00  1.8728e+00  3.2713e+00
 -1.9568e+00  2.2098e+00  1.9680e+00  2.9441e+00  3.4613e+00  1.5177e+00
 -5.7390e-01 -7.6044e-02 -1.3882e+00 -2.9236e+00  2.1616e+00  5.6524e-01]
vulnerabilities [ 2.5311e+00  4.6423e-01 -8.7596e-01  2.1841e+00  4.5833e+00  9.3228e
-01
  2.1241e+00  4.0922e+00 -3.9554e+00  1.6723e-01  8.1563e+00  2.8060e+00
 -4.2536e+00  2.2534e+00 -1.8669e-01  1.1991e+00  3.0617e+00 -5.9243e-01
 -3.5889e+00 -1.5652e+00  1.1482e+00  1.9934e+00 -3.0227e+00 -1.4543e+00
 -2.2143e+00 -2.5517e+00  8.6225e-01 -6.2607e-01 -2.3649e+00  7.0056e-01
  1.1716e+00  8.0204e-01 -5.4743e-01  2.3003e-01  6.1363e-01 -1.2101e+00
  7.5068e-01  1.0559e+00  2.8008e+00  3.2504e-01  1.3157e+00 -6.0259e-01
 -6.8391e-01  4.5833e-01 -3.2108e+00  1.3963e+00  3.9937e+00 -2.6637e+00
  2.0743e-01  1.3081e+00  2.2522e-01  3.5421e-01  7.1497e-01 -4.2694e+00
  1.3349e+00  1.4728e+00 -1.4730e+00  1.4481e+00  3.5557e+00 -1.5114e+00
  1.6033e+00  1.9921e+00 -6.3178e+00 -1.8104e+00  1.4602e-01  1.3411e+00
 -1.5777e+00 -4.2901e+00 -1.5510e+00  1.1245e+00  6.7506e-01  1.9353e+00
 -1.5490e+00  2.8785e+00 -2.7349e+00  1.8094e+00 -7.7936e-01 -3.4212e-01
 -3.2042e+00 -2.2542e+00 -2.6319e+00 -9.9942e-01 -1.0493e+00  2.5082e+00
  6.8758e-01 -1.1139e+00 -5.5932e+00 -5.4140e+00  1.1963e+00  2.0172e+00
  7.1379e-01 -1.8038e+00  1.7149e+00 -2.2084e+00 -5.6355e-01 -1.6600e+00
 -1.6915e+00 -5.8765e-01 -1.6354e-01  1.3082e+00  3.9013e+00  8.9414e-01
  1.9971e+00  2.7811e+00 -4.6718e-01  3.5375e+00  8.5760e-01 -1.8312e+00
  4.0534e-01 -2.4629e+00  1.9654e+00  1.1097e-01 -2.5922e+00 -1.5348e-01
```

```
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 -2.1791e+00 -2.1902e+00 -8.8460e-01 -1.0366e+00 -3.5901e+00 -2.8285e+00
  7.5127e-01 -1.4226e+00  5.6417e-01 -1.0565e+00 -1.1821e+00 -2.7066e-01
  3.0873e+00  1.5368e+00 -1.1292e+00 -1.8822e+00 -2.3703e+00  5.5989e-01
  1.5995e+00 -1.3075e+00  4.4183e-01 -1.0789e+00  7.8642e-01  2.7284e+00
  1.6418e+00 -3.5206e+00 -4.3180e+00  1.8528e+00  4.2321e-01  7.1379e-01
  1.4895e+00  1.9217e+00  8.4183e-01  1.4388e+00 -1.0499e+00  2.9758e+00
  1.1100e+00  1.0127e-01  1.1136e+00 -2.8652e+00  3.9788e-01 -1.1552e+00
 -1.2914e+00  5.6066e-01 -6.8109e-01 -3.5287e+00 -1.8451e+00  1.9245e+00
  7.1520e-02 -1.8820e+00 -3.9162e+00 -1.8351e-02  3.4039e+00 -1.5456e+00
  2.5627e+00  1.5600e+00  6.0994e-01  1.3357e+00 -1.1538e-01 -9.0772e-01
  1.9103e-01 -7.2204e-01  2.9039e+00 -2.5361e+00 -1.1452e+00  2.4463e-01
 -2.2069e+00  1.3000e-03  1.1083e+00  4.7602e-01  1.4203e+00 -1.5285e+00
  2.0894e+00 -2.4131e+00 -1.3160e+00  1.0500e+00 -4.6649e+00 -7.0449e-02
 -3.5017e-01 -1.6633e+00 -1.9807e+00  1.8444e-02 -1.4538e+00 -3.4284e+00
  3.9416e+00  1.7666e+00 -3.7479e+00  1.2734e+00 -2.6974e+00 -4.2413e+00
 -1.0487e+00 -5.1103e-01 -3.1350e+00  7.6152e-01  1.1731e+00  4.0347e+00
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  8.3841e-03  6.4414e-01  2.3936e-01 -9.2861e-02 -1.5161e+00 -2.4782e+00
 -6.1258e-01 -1.7354e+00  2.0672e+00 -1.6218e+00 -2.7356e+00  1.2281e+00
  2.0123e+00  1.6940e-01  4.2915e-01  1.3921e+00  2.8776e+00  2.5404e+00
 -1.6612e+00 -7.8535e-01  2.2688e+00 -1.4991e-01  2.6348e-01  2.6496e-01
 -2.7078e+00  7.6081e-01  6.4018e-01 -8.6817e-01  2.2032e+00 -5.7470e-01
 -1.7318e+00 -2.2353e+00  1.6627e+00 -3.7521e+00  1.0736e+00 -1.5762e-01
 -1.2226e-01  1.8048e+00 -2.0462e+00  6.3395e+00  4.2488e+00  1.8016e+00
  6.7481e-01 -1.9749e+00  7.7824e-02  1.1398e+00 -6.3064e-01  2.0022e+00
  1.5827e-01  1.2620e+00  2.6437e+00 -2.1672e+00 -1.9489e+00 -1.7474e+00
  1.6869e+00 -3.9126e+00 -2.1310e+00  1.6293e+00  1.9932e+00 -1.5180e+00
  1.8513e+00  9.9638e-01  1.4512e+00 -6.7126e-01  1.2220e+00  7.5571e-01
 -1.2281e+00  1.2290e+00  1.6976e+00 -6.9466e-01  3.6743e+00  8.1345e-01
 -7.6039e-01  4.4683e-01  9.8069e-01 -2.6709e+00 -1.1874e+00  5.9334e+00]
in [-3.7766e+00  6.9426e-01 -3.3805e+00  2.7050e+00  8.6019e+00  2.8878e+00
 -4.6254e+00  9.0990e+00  1.1907e+01 -1.3739e+00  9.5450e+00  1.9530e+00
 -1.9000e+00  8.5669e+00  2.8928e+00  4.8758e+00 -1.2887e+01  1.9720e+00
  3.8513e+00 -3.3540e+00  5.9163e+00  1.7272e-02 -1.0303e+01  1.0167e+01
  6.3080e-02  1.7523e+00 -6.9164e+00  6.4488e+00 -4.1364e+00  1.0931e+01
  4.3396e+00 -3.5339e+00 -7.9226e+00 -6.3873e+00 -1.5154e+01  4.1926e-01
 -1.1617e+01 -2.2857e+00 -9.2245e+00 -6.4154e+00  8.9911e-01  3.5330e+00
  9.6033e+00 -1.9171e+00  2.7537e+00  1.1700e+01 -5.0130e+00 -3.9815e+00
  4.0893e+00  7.2046e-01 -8.1944e+00 -1.7456e+00 -3.0278e+00 -1.0150e+01
  7.9206e-01  7.9850e+00 -3.2232e+00 -3.7988e+00  5.6403e-01 -4.2275e-01
 -2.1077e+01 -1.5553e+01  8.2781e+00  2.8786e+00  3.3721e+00  4.4616e+00
  8.8803e-02 -1.7856e+00  4.8491e-02  3.3236e+00 -9.9941e+00 -5.2387e+00
 -5.6858e+00  5.1708e+00  8.8262e+00  3.9100e+00  1.1032e+00  1.2414e+01
 -9.1521e+00  9.6854e-01 -3.8445e+00  8.7535e+00  2.8965e+00 -2.6540e+00
  1.2772e+01 -3.3564e+00 -1.2363e+01  7.9658e-01 -8.1607e-01 -6.0703e+00
 -6.1291e+00 -3.0092e+00  6.5350e+00 -4.7751e+00 -8.9456e-03 -2.2075e+00
 -1.0376e+00 -3.6740e+00 -2.7350e+00  1.0487e+01  5.8884e+00  7.7475e+00
  7.6607e+00  7.8970e+00  3.8282e+00  4.9817e+00  8.8947e+00 -6.3687e+00
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  6.4405e+00  5.9427e-01 -2.2205e-03  9.1555e+00  3.5659e+00 -4.7187e+00
  6.0493e+00 -4.1783e+00 -2.0241e-01  3.0437e+00  8.6808e-01 -5.3196e+00
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  1.7420e+00  2.8652e+00  4.8100e+00  1.6264e+00 -6.1047e+00  3.5232e+00
 -6.3351e+00 -1.0964e+00  3.0366e-02 -3.2538e+00 -1.2125e+00 -8.5521e-01
  4.3126e+00  7.4029e+00 -6.7833e+00 -2.2113e+00  8.5914e+00  4.6793e+00
  7.3408e+00  6.3308e+00  9.6443e-01  4.5821e+00 -8.6881e+00 -4.2152e-01
 -5.5799e+00 -3.2935e+00 -5.6965e+00 -4.8524e+00 -5.6988e+00 -1.6873e+00
 -1.8422e+00  6.2645e+00 -6.3174e+00  1.2012e+00 -1.8615e-02 -7.9217e+00
 -1.3949e+00  8.3972e+00  1.0091e+00  7.6192e+00 -2.0991e+00  6.6297e+00
```

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 -5.7672e-01  3.1135e-01 -8.6338e-01 -1.0488e+00 -1.2367e+01 -2.1083e+00
 -4.1523e+00  1.4876e+00 -6.7508e+00 -5.7602e+00 -6.5648e+00  1.6035e+00
 -3.9265e+00  8.6099e+00 -9.2774e+00 -6.2257e+00  6.8580e-01 -7.8229e+00
  3.4366e+00 -1.5896e+01 -5.6139e+00  9.4640e+00 -5.1175e+00  2.8828e+00
  2.1975e-01  1.4633e+00  1.0594e+00  3.2202e+00  4.7848e+00 -8.2288e+00
  1.8137e+01 -2.3965e+00 -9.9787e+00  9.0013e+00 -1.1383e+00  5.3617e-01
  1.2522e+01  5.0874e+00  2.6538e+00  5.8051e+00  4.1010e+00  7.2983e+00
 -4.1593e+00  2.1391e+00 -8.6043e-01 -8.7323e-01 -4.9098e+00  2.8241e+00
 -6.9739e+00  3.3624e+00 -1.6779e+01 -5.9505e+00 -2.3636e+00  6.1422e+00
  4.6677e+00  9.1870e+00  1.9519e+01  1.3338e+01  7.5811e+00  7.8355e+00
  1.8013e+00  1.3866e+01 -3.7217e+00 -9.5668e+00 -8.0528e+00 -9.1988e+00
 -9.8586e+00  2.6363e+00 -1.7681e+00  1.2248e+00 -1.1669e+01  4.2965e+00
 -1.1702e+00  6.1215e+00 -5.5397e+00  7.6777e+00  1.2060e+01  1.8072e+00
 -1.1351e+01  7.2805e+00  5.0560e+00  1.3576e+00  8.7064e+00 -2.3739e+00
 -1.2883e+00  4.0938e+00 -4.4741e-01  1.7389e+01 -8.9762e-01  4.2695e+00
  7.2372e+00 -2.3230e+00 -4.6489e+00 -8.8980e-01  2.9095e+00 -2.9112e+00
  5.2218e+00  9.0681e-01  9.1231e+00 -2.9529e+00  3.4209e+00 -2.6678e+00
  1.2956e+01 -6.4667e+00 -1.7353e+00  4.7200e+00  5.3350e+00  1.8346e+00
  2.4448e+00 -4.4355e+00 -2.9596e-01  2.2084e+00 -6.9407e+00 -2.2075e+00
  1.1303e+00  8.2944e-01  4.0794e+00 -2.8201e+00 -7.0784e-01 -1.6303e+00
 -4.4804e-01  1.1812e+01 -1.0779e-01 -7.6980e+00  6.0605e-01 -5.3688e+00]
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  7.4039   -3.3314   -3.1783    8.0445    3.3775   -4.4494    2.8151
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 -1.8057    0.016419 -0.29414  -0.23707   2.037    -1.5905   -0.31446
 -5.5315    2.775     2.631     0.13989  -6.2627   -1.4936    1.741
 -3.3802    5.6624   -2.0998   -4.3958    6.4045    6.9234   -3.965
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  1.7971   -1.3654    0.70516  -1.0433   -2.3904    0.35145   1.1095
  0.48085  -2.6154   -1.0818   -1.3497    1.2771   -0.11578   0.7664
  1.0839   -1.039     4.1806   -0.70807   1.5572    1.7886    1.0512
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 -1.353    -0.5228   -0.43603  -4.01     -0.47431  -2.3312    2.995
  1.1718   -3.2462   -5.457     0.68155  -0.23863   4.3719    2.7911
  2.9318    1.8657    0.21416  -0.19541  -1.9174   -2.025     4.0962
  3.4505   -6.503     3.7281    0.95824  -3.4652   -5.6866    2.1864
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  0.49275  -2.5261    6.1063   -1.0503   -1.024    -0.70969  -1.1082
  2.2175    2.3899   -3.089    -2.878     0.62027  -2.0544   -0.67611
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  2.922    -1.9447    2.485    -0.45008  -1.5997    0.1531    1.763
 -1.0946    3.274    -0.56087  -1.0248    1.3776    4.2532  ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
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 -4.0094e-01  4.2552e-01 -1.5134e+00 -1.8982e+00  4.1295e+00 -5.9449e-02
 -1.4009e+00 -3.3519e+00  4.2090e+00  4.3626e+00 -1.3941e+00 -3.5310e-01
  3.2776e-02 -1.9199e+00  1.7327e+00  4.2465e-01 -3.1247e+00  2.3211e+00
 -1.7064e+00  8.4492e-01 -2.2291e+00  1.7043e+00 -7.7253e-01 -2.0620e+00
 -1.0056e-01  2.4893e+00 -2.5877e+00  1.5979e-02  1.2264e+00 -2.5163e+00
  3.7160e-01  4.1362e-01  1.4136e+00  1.1532e+00  1.9089e+00  1.5025e+00
 -1.7753e+00 -3.7339e-02  3.4227e+00  3.3752e+00  2.8986e+00 -2.3044e-01
  6.5395e-01 -8.3982e-01  5.2277e-01  3.1163e+00 -4.4574e-01 -2.3238e+00
  2.9838e+00 -5.3295e+00  3.6782e+00 -1.6620e+00  2.8367e+00 -2.2330e+00
  1.3017e+00  2.8987e+00 -1.9972e+00 -1.8195e+00 -2.9313e+00 -3.8370e+00
  7.9131e-01 -1.1505e+00  2.5056e+00  5.6583e-01 -7.6914e-01 -6.0983e+00
  2.0961e+00 -7.7091e-01  4.0480e+00 -2.8130e+00 -3.9287e+00 -2.1430e+00
  1.3838e+00  1.8784e+00 -4.5162e-02 -3.4546e-02  1.4133e+00 -2.3178e+00
  2.1149e+00  1.8343e+00 -1.1769e+00 -8.5274e-01 -8.0643e-01  3.3154e+00
  7.0741e-01  2.7563e+00 -3.6617e+00  1.1555e-01  1.2815e-01  1.1062e+00
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  3.1631e+00  1.4627e+00 -4.7951e+00 -3.0568e+00 -2.6848e+00 -5.0552e+00
  2.0102e-01  5.0309e+00 -8.4919e-01 -3.0879e+00 -3.3599e+00 -6.5827e-01
  7.7547e-01 -1.7582e+00 -6.0878e-02 -1.1930e+00  1.3305e+00  2.2039e-01
  2.0026e+00  1.7763e+00  1.3824e+00 -2.9111e+00 -3.4684e+00 -1.6188e+00
 -5.1452e+00  3.3536e+00 -6.0129e-01  4.3948e+00 -2.3380e+00  1.8248e-01
  1.2396e+00  1.1096e+00  2.7091e+00  5.2187e-01  1.6008e+00 -1.3519e+00
  5.5833e-01 -1.0173e+00  2.5332e-01 -6.2684e-01 -3.1796e+00 -1.7544e-01
 -7.8077e-01  2.2046e+00  4.5210e-01  1.0391e-01  2.8497e+00  1.0414e+00
  4.5328e+00 -2.8441e+00 -1.3688e+00  2.7033e+00 -1.4885e+00 -1.0842e+00
  1.7153e+00 -9.9883e-02  9.5015e-01  2.2450e+00 -6.0167e-01  4.8598e-01
  2.9678e+00 -2.8670e+00  3.6519e+00  2.3180e+00  5.4783e-01  2.0588e-01
 -3.0093e+00  1.0637e+00 -1.7748e+00 -2.3027e+00  1.8664e+00  1.0692e+00
 -1.4438e-01 -2.7466e+00  4.5624e+00 -1.9359e+00  2.6690e+00  2.9086e+00
  4.0431e+00  1.5028e+00 -1.5945e+00 -1.4820e+00 -1.3574e+00  2.0479e+00
```

```
 -8.1569e-01  7.8990e-01  4.0170e+00  1.0634e-02 -2.5420e-01  4.0943e+00
 -3.5822e+00 -2.0383e+00 -2.3810e+00  2.8439e+00  1.7162e+00 -2.6094e+00
 -6.1314e+00 -3.0479e+00 -3.2464e+00 -2.2577e+00  2.8600e+00 -4.9349e+00
 -1.0036e+00 -3.3032e-01 -6.7005e-01  6.3679e+00 -1.3936e+00  2.0426e+00
  3.4234e+00 -1.9667e+00 -3.0165e-01  4.2124e+00 -6.3476e-01 -3.7310e-03
 -3.2326e+00  5.4329e+00  4.3093e-01 -1.4165e+00  3.1975e+00 -3.6304e+00
  1.0289e-01 -1.3952e+00 -1.4272e+00  9.9351e-01  2.2481e+00  4.8393e-01
  1.0057e+00 -2.9307e+00  4.4522e+00 -5.6981e-01  2.6852e+00  2.4893e+00
 -4.4811e+00 -2.7603e+00 -2.0788e+00  3.2364e+00 -1.2262e+00  1.1701e+00
 -3.7568e+00 -3.0115e-01 -1.2193e+00 -3.8154e+00  1.7191e+00  2.5365e+00]
as [-7.0796e+00 -4.3204e+00 -7.7075e+00 -3.2037e+00  9.4953e+00 -1.8864e+00
 -5.9840e+00 -2.2320e+00  3.4457e+00 -1.5619e+01  1.9228e+01 -6.0349e+00
  2.7948e+00  2.5484e+00 -3.1024e+00  3.1053e+00  9.0580e-01  2.0904e+00
 -4.8802e+00 -8.0425e-01  1.0179e+01 -1.4214e+01 -1.4092e+01 -1.3513e+01
  1.5666e-02 -1.0900e+01 -3.7022e+00  7.1674e+00 -4.1240e+00 -3.6747e+00
 -1.7809e+01 -3.4051e+00 -1.0702e+01 -2.4574e+00 -1.4661e+01 -5.0584e-01
 -1.0295e+01 -3.3496e+00 -1.3218e+01 -1.0229e+01 -3.9227e+00 -5.2327e+00
 -1.7209e+01 -4.3412e+00 -1.4849e+00 -5.7255e+00  1.7267e+00 -1.0678e+01
 -8.5625e+00  4.3186e+00 -5.3952e+00  1.0261e+01  4.4696e+00 -2.0573e+01
 -1.9841e+00 -6.3482e+00 -1.6506e+01  7.9715e+00  2.3789e+00 -1.2302e+01
  9.3757e+00 -7.4940e+00  8.1417e+00 -9.1627e+00 -6.1153e+00 -1.1914e+00
 -4.8137e+00 -1.3835e+01 -5.6037e-01  4.2911e+00  5.8703e+00 -1.3947e+01
 -5.7848e+00 -4.3025e+00  2.8484e+00  4.1842e+00 -1.3939e+01  1.8618e+00
 -2.3789e-01  3.4962e+00 -8.2321e+00 -2.6498e+00 -4.2604e-01 -8.0602e-01
  2.4146e+00 -1.9292e+00 -2.5359e+00 -1.2967e+01 -2.3554e+00  3.8391e+00
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  5.9298e+00  2.1293e+00 -4.4712e+00  8.5799e+00  1.1271e+00  1.4195e+00
  1.1605e+00  3.8405e+00  3.5553e+00  1.1288e+01  1.1956e+01 -1.6967e+01
  2.2729e+00 -1.5938e+01  4.8733e+00 -9.2645e-01 -1.4694e+01  4.8143e+00
 -4.4366e+00 -4.7090e+00 -7.5620e+00  7.9874e-01 -1.7637e+00 -4.8415e+00
  7.4817e+00 -1.4283e+00  2.1996e+00  3.5355e+00  5.8209e+00 -1.2924e+01
  4.1231e+00 -9.5261e+00  1.0353e+01 -7.2419e-01  2.8701e+00  1.0183e+01
 -2.4073e+00  2.2625e+00  6.5160e-01  1.1182e+00 -6.4828e+00  5.2766e+00
  7.7198e+00 -7.2239e+00 -1.6444e+00  6.4764e+00  8.2136e+00 -2.1922e+00
  9.0071e-01 -1.0986e+01 -1.5569e+00  1.3724e+00  9.0783e+00  5.9390e+00
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  2.3564e+00  1.6942e+01 -5.2442e+00  4.5744e+00  8.9815e+00 -4.2029e+00
 -1.0588e+01 -2.5732e+00 -9.4229e-01 -3.9863e+00 -1.7072e+01  6.1719e+00
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  9.3654e+00  8.6536e+00 -1.5237e+01  4.0952e+00  2.2301e-01 -3.6698e+00
  1.3915e+00  4.1430e+00 -5.9342e+00  1.1476e+01 -3.0082e+00 -4.3212e-01
  2.5793e+00 -1.7392e+01 -5.9843e+00 -3.2355e+00 -7.8586e+00 -1.5761e+00
  6.9367e+00  8.4026e+00 -2.2057e+00  2.5899e+00  5.6005e+00  7.5932e-01
 -1.2348e-02  4.8338e+00  1.0958e+01  7.8478e+00 -8.2144e+00  1.2225e+01
  4.8597e+00 -1.5826e+00 -5.4004e+00 -4.7599e+00 -1.3394e+01 -5.8901e+00
  7.4208e+00  9.5083e+00  9.9477e+00 -6.6119e-01  9.4322e+00 -2.8214e+00
 -9.9661e+00  1.3222e+01 -6.9892e+00  8.8176e+00  6.1783e+00 -4.0156e+00
 -4.3562e+00  2.3538e+00  4.1914e+00 -2.9931e-01  1.6671e+00  3.5666e+00
  3.7016e+00  1.9675e+00 -9.3833e+00  4.0202e+00  1.0918e+01 -3.7657e+00
 -1.9458e+00  1.1562e+00  7.1588e+00 -3.6675e-02 -8.8165e+00  4.0842e+00
  1.3382e+01  6.2601e+00  7.2323e-01 -8.9792e-01  1.0448e+01 -7.5243e+00
 -3.8577e+00  9.4797e+00  4.0269e-01  2.0036e+00  6.7510e+00 -7.5026e+00
  6.9766e+00  1.1979e+01  4.7606e+00 -4.4047e+00 -5.6242e+00  8.1717e-01
  7.1982e-01  1.5390e+01 -5.9424e+00 -8.7123e+00 -3.2456e+00  5.7091e+00
  7.6600e+00  1.1422e+01  6.1826e+00 -5.4187e+00 -2.1678e+00  1.5463e+00]
```

```
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
   1.5755     7.9405     8.0812     2.6194    17.189      5.1028
  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
   0.36212    0.11176    1.1457    -3.2409    -9.434      1.106
  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
  -1.8172    -2.2239    -6.8786     1.9485    10.978      3.459
   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
  -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
  14.441    -13.343      1.224      3.2356    10.772     -3.7069
   7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
  -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
   3.2295    14.775      2.1246     7.2148     3.6015     3.3317
  11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
   7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
   3.1062     0.87365   11.799     -3.936      5.7646    10.454
   4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
  -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
  -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
  -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
   7.8215     5.9596    -2.024      5.9806    12.227      2.8496
   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
  -2.078      1.3549     3.7356    -9.0703     1.1395    -4.287
  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
  -4.2043    -3.4099    -1.0055     4.1984    -2.6362     0.56554
   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
whole [ 1.7375e+00  1.9578e+00 -4.8795e+00 -1.2878e-01  6.4262e-01  1.3241e+00
  3.0817e+00  5.7513e-01  1.4111e-01  2.3128e+00  5.4752e+00  4.2343e+00
  1.6328e+00  3.2055e+00  2.3914e+00 -3.0949e+00  2.4509e+00 -4.6847e-01
 -3.0576e+00  4.2829e+00 -8.9554e-01  1.3689e+00  1.7345e+00 -1.8366e+00
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 -1.0448e+00  2.0677e+00  1.1944e+00  3.2828e+00 -2.4391e+00  2.4493e+00
  4.2680e+00 -4.3616e+00 -6.5004e-01  3.3947e+00 -4.9020e-01 -3.7787e+00
 -3.1829e+00  2.0005e+00 -9.4552e-01 -8.5577e-01  2.6582e+00 -2.4891e+00
 -2.5302e+00 -3.4550e-01  1.6500e-01  2.6488e+00  2.6078e+00  2.5872e+00
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  2.8217e+00  3.9009e+00  3.2799e+00  1.9854e-01 -3.3273e+00  2.9640e+00
 -5.1149e+00 -5.5557e+00  3.8455e+00 -1.3671e+00  7.4733e-01  1.4771e+00
 -1.1746e+00 -5.4161e-01  1.6762e+00 -3.8384e+00 -2.8477e+00  2.3845e+00
  1.1232e+00 -7.0643e-03 -3.3354e+00  3.3575e+00  4.4090e+00 -1.1335e+00
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  4.5372e+00 -5.9500e-01 -2.2076e+00 -1.3632e+00  7.2602e-01 -2.1152e+00
  4.3538e+00  2.7626e+00 -1.1655e-01  2.4361e+00 -2.3315e-01  3.5683e+00
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 -2.7905e+00 -1.1197e+00 -3.0222e+00  6.8353e+00 -3.4021e+00 -3.8093e+00
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 -1.3476e+00  4.5696e+00 -4.7451e-01  1.2786e+00 -3.3448e+00  4.7055e+00
  4.2959e+00  1.5865e+00 -5.9042e-01  2.2266e+00 -1.4484e-01 -1.5526e+00
 -3.9696e-01  3.7547e+00 -4.3071e+00  2.9624e+00 -4.5820e-01 -1.9084e-01
  2.3352e+00 -1.1566e+00  3.7578e+00  8.0617e-01  8.0760e-01  2.1585e+00
 -6.1166e-01 -2.5217e+00 -2.8678e+00 -1.1116e+00  1.3683e+00 -2.8681e+00
 -2.2023e+00  3.3620e+00  3.4730e+00 -2.8927e+00 -2.6340e+00 -2.8435e+00
 -8.5708e-01  9.1466e-01  1.1284e-01  4.0522e+00 -1.3042e+00  1.3441e+00
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 -4.5627e+00  1.6567e-01 -5.0484e+00 -5.0646e+00 -2.3723e+00 -3.7367e+00
 -8.9711e-01  1.4890e+00 -4.6054e+00 -1.5607e+00 -8.1937e-01  1.3544e+00
  4.5863e+00  2.1677e+00 -5.5062e+00  8.0269e-01  1.2117e+00  7.1435e+00
 -4.0596e-01 -2.5518e+00 -2.5682e+00 -6.0104e-01 -1.9303e+00 -7.0311e-02
 -6.5382e-01  1.8737e+00 -1.4283e-01  8.3867e-01 -2.7981e+00  4.0148e+00
  1.5714e+00  2.0875e+00  2.4718e-01 -5.9769e+00  4.7380e+00 -2.3956e-01
 -1.5865e+00  1.9770e-01 -1.4453e+00  3.3054e+00  1.1795e+00 -3.3913e+00
 -1.1152e+00 -1.1900e+00 -3.3330e+00  5.8129e-02 -2.9467e+00 -1.3455e+00
 -2.8785e+00 -2.4189e+00  1.2912e+00 -8.0603e-01 -1.1268e+00  1.6191e+00
 -7.7384e+00  1.5701e+00 -1.2324e+00 -3.4951e+00  4.5266e+00  3.0467e+00
 -2.3970e+00 -4.8478e-01  6.0838e+00  8.0702e+00  2.4383e+00  2.0379e+00
  8.6144e-01 -3.7262e+00 -2.1966e+00  9.0248e-01 -2.8009e+00  1.8189e+00
  1.9321e+00 -2.9223e+00 -3.7950e+00 -2.9150e+00 -1.7481e+00  1.8740e+00
  3.4405e-01 -1.3518e+00  1.2102e+00  7.5990e-01 -1.3522e+00 -4.3448e-01
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 -2.5638e+00 -1.7042e+00 -1.3635e-01  6.9482e-02  1.2121e+00 -1.5819e+00
 -9.6755e-01  1.5856e+00 -1.0512e+00  3.3421e+00 -2.9830e-02  2.1846e+00]
needs [ 6.6044    6.547    -6.3109   -3.7312    1.8462    1.9279   -3.0601
  3.2465   -1.276    -1.6936    7.8813    3.6925   -4.5607    7.0556
  0.22112   0.9415    3.4565    2.1765   -2.6193    0.042814 -2.5937
 -2.3829    2.0212    0.11338  -4.1958   -2.5732    3.7588    1.4192
 -0.30456   0.22991   1.5414   -1.8511   -2.1606   -2.1735    4.245
  0.51662   3.448     0.2113    1.4892    2.1259   -2.2916    1.162
  0.68462  -4.9084   -5.44      4.3081    6.6653   -8.8106   -2.304
  0.84656   0.22857   1.3632    6.7173   -4.2257    0.1179    7.1489
 -5.2823   -0.2828   -0.02837   1.0488    7.3409   -1.3878   -4.626
 -4.7295    2.592     4.2692   -2.1598   -5.3943   -0.44713  -1.6416
 -2.5371    4.8836    0.01524   2.0425   -1.8404    6.9864   -2.894
  2.9954   -0.25797  -7.8349   -2.9427   -2.919    -3.3779    6.5665
 -6.7962   -0.15357  -2.0563   -0.6626    1.0255    0.27      0.40179
  0.13134  -1.3705   -7.6425    4.6367   -2.2508   -3.1518   -1.6747
 -2.0451   -3.5153    9.1829    3.3164   -0.069768  4.7391    1.2088
  9.8551   -4.4288   -6.9328   -5.0669   -1.4193    1.2571    0.95384
  3.8209   -2.7459   -2.1559    3.5025   -2.8378   -0.77047   1.0833
 -1.0919   -5.0424    2.4716   -7.1919   -0.13591   2.9133   -2.7289
  2.5486   -4.7194    3.2611   -4.3261   -6.7061   -6.5403    8.3663
 -5.2945   -2.7892   -4.8445   -3.7929   -4.8583    5.3974    1.9257
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  0.21937   2.1508    5.7073   -0.18607  -4.1853   -3.3083   -1.3838
  0.27398  -3.69      4.387    -2.8491    1.4512   -5.1331   -2.5465
 -0.27535  -3.1861    0.26024  -3.7917    3.7816    1.1798    4.4392
 -3.2267    3.2325    2.2728    1.9241   -4.2752   -0.96376   6.204
  3.9433   -7.6006   -3.0339   -2.603    -0.49271  -4.5115   -0.13157
  3.186     2.5893    0.058581  0.86761  -3.9763    1.0267   -1.6908
 -1.873     2.4493    1.7581   -1.5839   -0.17028  -5.714     1.9562
 -3.4121    2.6735    5.8193   -3.9079    1.5488   -7.3637   -3.1211
  5.3733    1.9384    3.2002    2.0628   -2.0211    4.1782    2.0501
 -5.1388   -1.4118   -1.4112    0.028505 -0.73087   3.4831   -2.9282
  2.9914   -1.9483   -0.47836   1.1777    2.0507   -0.19824  -0.17929
 -1.0608    4.7317   -3.7338   -1.6548    0.020043  0.1814    0.958
  4.0624    3.5708   -5.2936   -1.8793    1.3535   -4.3656   -3.471
  3.7984   -7.0961    4.5255    3.1819    3.2308   -0.66808   0.81603
 -0.97271  -4.3601    1.5471   -2.0763    3.0469   -1.7936   -0.15435
 -2.6843   -1.9911    9.6394    0.61421   3.2088    3.9835    1.3129
  2.2851   -1.4831   -4.7534    1.4343   -2.7208    3.9983    2.14
  0.70774   0.74127  -2.3411    5.3008    0.62816  -5.962     2.7256
  1.4308    1.2789   -1.2783   -0.60961   0.98699   0.067711  1.0386
  2.4269   -7.1204   -6.4277   -2.6749   -1.1245   -3.9503   -2.0936
 -0.65036  -1.9829   -5.3375    0.45639  -5.4217    4.9684  ]
a [ -9.3629     9.2761    -7.2708     4.3879    10.316     -6.8469
   1.5755     7.9405     8.0812     2.6194    17.189      5.1028
  -3.5406    -4.9522     0.50726    7.3238     8.4197     3.4544
   0.83204    5.5205     5.4937     1.4897    -2.2788     4.497
   2.3909    -9.1051    -6.827     -3.8575    -3.2794    -6.6986
   0.14048   -2.2132     3.5909    -1.7824    -6.5155     0.23331
   5.4186   -11.212     10.805     -9.3444    -3.3625    -1.3998
   3.5529    -2.6246     2.5553    -1.855     -3.7859     0.29584
  -2.5838     1.6739    -1.6049    -0.27709    1.507     -5.5291
  -2.1429    -1.7092     8.389     -1.856     -5.4558    -6.679
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  -6.3912   -13.735      4.9788     3.9198     0.031058   4.3147
  -6.6471     1.3955    -2.5958     6.9759    -0.99819   11.197
  -5.3627   -13.103    -14.491     -6.1014     7.3047    -3.1905
   1.2629    -0.92262    2.676     -0.42086   11.926     -7.8794
  -2.3097   -10.582      5.5581    -7.7517     5.1999    -2.2761
  -0.14107    4.6555     3.9174    -4.0377    -4.7891     2.8951
   6.9084    12.45      -0.11449   12.134      4.8634    -2.7649
  -9.9632    -0.24475   -3.8755    12.938     -3.9884    12.839
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   4.5437    -6.7107    -1.8618    16.511     -2.5489   -14.822
  -5.7842    -2.9736    10.036     -9.6984    -6.6103     2.7384
  14.441    -13.343      1.224      3.2356    10.772     -3.7069
   7.0112    -5.6702    -5.9481     8.3454     5.5809    12.19
  -0.30777    7.6915     0.1935     4.1209     5.2447     8.635
   3.2295    14.775      2.1246     7.2148     3.6015     3.3317
  11.025      5.9624     0.33974    4.0244    -9.8245    -6.7488
   7.9905     2.7574    -1.0628    -2.4464   -10.564     11.921
   3.1062     0.87365   11.799     -3.936      5.7646    10.454
   4.1789    -2.4693    -0.37961  -13.324     -8.0467    -3.0123
  -3.4994     2.1695    -0.7963   -12.892     -6.2411     2.2934
  -8.9541     0.1611    -3.5982     7.1816    -0.50454    3.1828
  -5.1788    -6.4996     5.3696     1.0841    -5.2438   -13.527
  -1.9345    -6.4937    -0.29942   -3.8215   -10.299    -12.173
  -2.5258     1.608     -3.6306     5.5185    -8.11      -3.9384
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   4.6545    -2.1338    -9.9656    -0.36781   -7.7601    -0.74959
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  11.723     -2.7052     6.3682   -16.995      2.9882     9.7872
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   9.7921     6.6652     6.4964    11.552     -6.2677     1.7802
  -5.8234    -1.1035    -1.3218    -0.48589    2.8878     2.1512
 -11.668     -5.8105    -8.7014     1.8706     7.656      9.1478
   1.6743    -0.36795    4.0428     2.5721     5.1085    10.256
  -6.9294    -0.62123   -2.4537    -0.5577    -3.5943     0.53374
   9.6682     3.0569    -5.3577    -6.4144     3.4455     6.3063
   5.4355     4.7154    -4.8865    -7.3881     0.37304   -5.528
  -8.9278     3.3797    14.319     -4.0262     2.5195    -3.301
  -9.5015     8.4454    -8.6711     3.6026     0.94914    5.9861
   0.14368    9.7066     4.4738     2.6801    -6.816      3.5737  ]
more [-2.2444e+00 -5.2859e-01 -6.9428e+00 -1.5608e+00  2.9704e+00  2.9950e+00
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  7.2843e-01  1.3255e+00  5.0417e+00  4.4055e+00 -1.0659e+01  1.1767e+00]
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  1.0113   -1.0899    2.0915   -3.2761   -3.5979   -2.0806   -3.1188
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 -2.8941    0.89554  -0.013774  3.0289    2.3123   -0.32306  -0.05393
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  2.3287   -1.008    -1.0513   -4.3469   -0.6654   -1.2639    2.8351
  1.5492   -2.2851    0.077126 -2.8401    2.7185   -0.86848  -2.0536
  1.7332   -0.30105  -3.2015   -0.22583   1.6901    1.7579   -2.7663
  2.2045    2.7033    1.7001    2.3224    1.5666    3.3246   -0.57524
  6.6468    0.27359  -1.4484    0.67505  -2.5208    4.7604    1.2367
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  2.7752   -0.12328  -1.2478   -2.8986   -0.58548   1.3973    0.679
  0.65322  -0.028358 -2.0204    3.1946    3.7006    0.35037  -4.4671
 -1.3781    1.6169    3.9519    2.0415   -1.0122    2.4103    1.1159
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  1.7831    0.69092   4.2416    0.23113  -2.5102   -1.9452    0.99691
  3.141    -1.2843   -2.569    -0.95651   0.81927  -0.23308   1.2498
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 -5.8925   -2.8434    2.4331   -3.6631   -0.16303  -0.73037   2.5565
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  1.655     2.4746    1.7909   -2.5401   -4.9224    0.85542  -0.70573
  0.014056 -4.7346    1.6383    0.18616   0.87521   0.51605  -0.20682
 -7.3      -0.9406    1.1724   -3.4339    3.9729    0.065997  0.54965
 -0.32287  -2.4388    4.1517    2.812     1.3129   -0.14931  -1.9781
 -0.26188   0.83758  -1.4647   -3.4216    1.1344    1.5287   -0.91974
 -0.41902  -0.17887  -3.9129    1.9288   -5.0234    1.1493   -1.0054
  8.7477   -0.38554   4.5166   -0.22654   1.42      1.1564    0.98344
  2.8347   -3.7648   -0.082329 -1.5773    1.0512   -3.7875   -0.35693
 -1.2401    1.8688   -0.54536  -1.0589    2.1966    0.50545 ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
```

```
 4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
-1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
 9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
 3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
 1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
 3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
-4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
 9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
 6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
 2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
 4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
 2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
 3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
 1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
-1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
 5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
-2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
-3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
 1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
 4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
 8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
-1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
-2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
-3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
 3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
 9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
 1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
-4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
-4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
-2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
 5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
 2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
 4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
 7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
-3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
-2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
coherent [-1.5103     1.9515    -1.4911     0.92591   -0.31883    0.40934
  2.9433     2.0006    -3.0425    -1.8516     5.3415     2.0466
 -1.1547     1.024      1.0361    -2.3625     0.027816  -0.99387
 -1.4336     2.3877     1.1482    -0.89156    0.07114   -0.7963
 -2.1574    -1.9529    -1.7718    -1.0342    -3.3708     4.7239
 -0.62157   -1.1669     0.55834   -1.4661    -2.8112    -2.842
 -0.42661   -1.7004     1.3712     3.8508     2.3738    -1.3923
 -2.3482    -0.53235   -1.4931     1.6865     1.2784    -1.0378
 -0.050539   0.33896    1.2891    -0.38293   -1.085     -1.1374
 -2.2438    -0.2813    -0.80303    1.1579     1.953     -2.2673
  3.9819     0.71193    0.33948   -0.71248   -1.0726     6.2955
 -1.5037    -6.286      3.8378     1.8166     0.38142    4.1629
 -3.7202     0.22277   -0.76315    0.76582   -1.8327     1.3742
 -1.6017     3.1868    -3.7373    -0.21332   -0.94283    1.2556
  5.631     -0.96231    1.4137    -2.4833     4.2895    -0.016041
 -3.8043     2.2899     3.2573    -3.5446    -0.93822   -1.1681
 -0.54354   -0.94285    1.1176    -3.0922     0.63574    2.6638
  1.6614     4.7819    -0.74909    2.5255     2.3718    -1.9425
  0.41171    0.97629    1.9577     0.84595   -0.98379    2.909
  0.10553   -0.37456   -4.666     -0.98098   -3.0618     0.086654
 -2.2108    -3.2564     1.2027     2.0546    -1.61      -0.4993
  1.6331    -2.4901     1.0058    -1.035     -4.5395    -1.7325
  2.1496    -1.1286    -1.952     -0.3421    -0.44832    0.045059
  1.5281    -1.335     -0.21956    0.58945   -1.0015    -2.3052
```

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 -0.10182    0.19478   -2.5824     0.32106    1.1994     3.9679
 -1.264      4.3974    -1.8712     0.6619    -1.7256     1.9302
  2.9874     0.59407   -0.49433    1.0392    -0.0073446 -0.63123
 -0.45842    2.7934    -4.4706    -0.94597   -2.5546    -0.90041
  0.075448  -0.42767    2.2855    -0.085866   4.3203     0.52617
  1.5049     1.5194    -1.485      2.1545    -2.2572    -2.2772
  1.7178     0.13682    1.5626    -1.1627    -0.71798   -2.2722
 -3.469     -0.12112   -0.96121    3.7337    -3.306     -1.9361
  0.17527   -0.020429   1.033      0.48239   -2.7521    -2.5625
  1.8679    -0.036153  -1.0963    -0.44031   -0.63816   -1.9303
  1.6314     2.8414    -0.18551    0.23816    0.46507    0.060049
 -0.77133    1.6955     0.33066   -0.40912   -0.76986    2.4592
  1.3184    -1.3131    -1.0454     1.6629    -3.3141     4.8118
 -0.661     -0.40233   -0.56353    0.83276    0.31321    3.3591
  4.511     -1.232     -0.89313   -1.1963     1.1807    -0.97567
  2.2442     0.36467    0.17663    3.3436     2.2575    -1.9004
  1.9385    -2.1183    -1.2752    -0.5406     0.14189    1.9829
 -2.6238     0.86557    1.4056     3.4351     0.6879    -0.59799
 -4.7847     2.5467    -0.34953   -1.882      3.3743     0.66143
  1.4724     1.3582    -0.46948    4.1246     1.1665     2.4669
  0.89559    0.034539  -0.92869    1.5851    -2.236     -2.1109
  3.4882    -0.5729     0.87715   -0.55999   -0.49856    0.6057
 -0.012633   0.055602  -3.2237     2.0004     3.3269    -3.1828
 -1.2881     3.4155     0.97289   -1.8996     1.4447    -1.0556
  2.3555     1.6536    -0.29961    0.083929   0.030772  -1.5313
  0.70299   -0.13869    0.41287   -0.19888   -1.994      2.5118   ]
approach [-0.044122  3.4536   -0.34212   0.84971   1.5794    2.1088    0.54834
  3.8725   -4.6356    0.67654   7.6203    2.7281   -2.7455    0.90431
 -0.39934   4.8819    3.4199    2.6263   -1.796     2.2721   -1.3766
 -0.3015   -3.8184    0.42926  -1.9748   -1.7888   -1.9928    1.0377
 -1.6626    0.46304   3.7701    2.2195    0.89969  -2.1496   -0.74622
 -3.447    -0.10342   0.031065  0.51175   0.48927  -1.0917   -2.5006
 -1.8534   -1.1095   -2.1452    2.3552    4.8023   -4.0983    1.1015
  0.14505  -0.87196   3.5895   -2.9432   -6.7697   -0.36566  -0.11649
 -1.0288    2.4926    3.071    -2.0356    2.1571    3.2529   -3.4656
  1.0467    0.81734   3.7212    0.51951  -8.4598    3.394     2.4223
 -0.54766   1.7034    0.25061   2.2339   -4.7807    1.136    -4.7784
  0.24929  -3.3085   -3.289    -3.0491    0.28989  -0.041198  1.5437
  0.31083   0.60433  -1.0165   -4.874     2.9463    0.13789   1.3447
 -0.38075   2.0495   -2.7346   -0.16191  -0.35549   1.8475   -2.2373
  0.33454  -0.032394  4.1126    2.4424    3.3462    2.4345    2.1897
  2.6953    1.3007    0.48326  -2.6108   -4.0104   -0.17647  -0.94941
 -1.1858    1.1604    3.3372    3.6029   -5.3248   -2.1126   -1.1643
 -1.9653   -4.5213   -2.8964    0.59091   0.81706  -2.3074    0.35987
  1.8385   -4.6006    2.7504   -0.58392  -5.4933   -2.7051    5.6509
 -3.3578   -1.3019   -0.83676  -2.5796   -0.037674  0.37218   3.0114
  0.96149  -0.067992 -0.76348   0.50974   4.248    -1.5769   -7.322
 -1.7719   -2.3536    6.0836    0.59669   2.7368    0.31043   0.29389
  1.1405    1.0655    4.0735    3.6595   -2.113    -4.9306    0.69833
 -0.24083   0.4299    1.3751   -2.9948   -2.6331   -1.7273   -0.089231
  0.11463  -4.5132    1.2807    3.8992    2.7529    1.7451    3.6824
  0.46104   2.1325    0.60632  -5.0338   -5.3319   -2.2915    2.1783
  3.7381   -2.1802    1.2685    1.863     0.62552  -4.787     0.48714
  3.1224   -2.1412   -1.3604   -0.29993  -1.4418    1.4766   -4.6807
 -2.9003   -0.32306  -0.9128    1.9892   -3.388    -1.9469    0.85753
 -1.1697    2.6649    1.0232   -3.4517   -0.5599   -1.8421   -0.21746
 -1.604     1.2967    0.027865  1.7587   -0.83435   2.133     2.4249
 -2.5532   -0.92595   4.03     -3.9873    1.3982   -3.0383    0.18983
  2.2411   -0.21067   3.5355    4.7993    2.3047   -1.2149    1.825
 -3.9329    0.032234  1.0584    1.2176    0.8078   -3.2359   -0.53019
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  3.277    -1.109    -1.211    -3.1913    0.48484   0.51691   0.41646
  0.57471  -4.262     2.0536   -0.64755   0.60371   0.18058  -0.31015
 -3.9495   -2.7377   -1.218    -2.5263    0.99238   0.94259   3.3215
  1.1603   -2.3828    4.1135    4.8542    1.9945    1.8115    0.54889
 -0.74327   2.3717    0.24352  -3.6195    0.79681   0.62661   3.4614
  0.64063   4.803    -4.1752    3.3581   -2.5126   -2.9208    0.23942
  4.5654    0.14441   0.58767   2.7574    6.027    -1.0276    1.7881
 -0.16044  -1.521     1.358     2.7481   -0.48286  -0.017848  1.168
 -0.45784  -0.012648  4.4768    0.7364   -1.5761    3.3587  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
its [-2.1506e+00  4.8450e+00  1.3031e+00  2.0050e+00  1.7474e+01 -8.6141e-01
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 -3.7502e+00  9.0333e+00  2.6563e+00 -3.9911e+00  1.4102e+01  7.5572e-01
 -9.1241e+00  2.2180e+00 -7.8461e+00  4.8496e+00  3.2192e-01  4.2564e+00
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  1.7189e+00 -9.6258e+00  3.7200e+00  1.6644e+00 -2.2947e+00 -1.5925e+00
  7.8132e+00 -3.6311e+00 -1.3564e+00 -5.4127e+00  3.8274e+00  2.3316e-01
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 -7.7771e+00 -1.8945e+00 -1.0739e+01  1.0398e+01  2.7457e+00 -4.2419e-01
  4.8847e+00  7.5879e+00  1.1451e+00 -2.6786e+00  6.4297e-01  6.4651e+00
  1.9865e+00  1.7008e+00  7.7138e+00 -5.6235e+00  4.3614e+00 -8.2096e-01
  3.4227e+00  1.8695e+00 -8.6793e-01  6.4199e+00  3.8961e+00 -2.9197e-01
  5.5033e+00  1.5140e+00  2.0695e+00  7.4924e+00  2.9180e+00 -8.8631e+00
 -6.2522e+00 -5.1607e+00 -1.9345e+00  7.9326e+00 -5.2540e+00  3.6152e+00
  4.6128e+00 -2.6816e-01  7.0261e+00  1.5827e+00 -5.1296e+00  4.7093e+00
  9.7987e+00 -7.3950e+00 -1.5656e+00 -2.7430e+00 -6.1193e+00 -4.1210e+00
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  7.2830e+00  3.6374e+00 -1.8213e-01 -3.1669e+00 -9.5211e-01 -4.8979e+00
 -5.7130e+00 -8.7642e-01 -2.4358e+00 -1.1972e-01  5.6330e+00  3.3409e+00
  1.1757e+01  1.7961e+00 -8.9306e+00  2.6364e+00  7.4777e+00  6.5535e+00
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  3.8416e+00 -5.0080e+00 -1.8717e+00 -1.2188e+01  1.5127e+00 -2.6987e+00
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 -5.3440e+00  4.1696e+00  3.4194e+00  3.6236e-03 -2.0884e-01 -5.1485e+00
 -7.4949e+00  4.1966e+00  7.4024e+00  6.0487e-01  7.6225e+00 -4.8225e+00
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  4.8964e+00  9.7731e-01 -8.0813e+00  3.2936e+00  6.5225e+00  1.8550e+00
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  9.5893e+00  6.1333e+00  2.8078e-01  3.9273e+00 -4.3081e+00  3.8011e+00
  3.3143e+00  6.8508e+00  5.1830e+00 -8.8816e+00 -1.1229e+01  3.6390e+00]
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 -1.4845e+00 -1.4761e+00  1.9458e+00 -1.3606e+00 -1.2759e+00  2.6246e+00
  7.6210e-01 -1.9224e+00 -5.8119e-01 -3.8168e+00 -1.5497e+00  2.4719e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
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  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
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 -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
  9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
 -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
  4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
  2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
 -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
  6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
  9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
 -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
 -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
 -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
  7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
 -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
 12.503      6.9943   -17.327     12.41      13.097     -1.6856
  3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
  1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
 -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
  1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
  7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
  7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
-12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
-16.285      1.4604     0.82687   -6.3887    10.292      3.2191
 -3.3132     3.3773     3.5908    15.121     13.526      5.2244
  2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
 -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
  8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
  8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
  7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
 -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
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  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
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 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
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 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
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  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
 -5.2159e+00 -3.3565e+00 -2.6745e-01  3.9148e+00 -2.7248e+00  3.7187e-01
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  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
technology [ 1.9411e+00  2.4264e+00  1.7675e+00  5.9659e-01  5.5671e-01 -1.1929e+00
  2.0295e+00  6.1399e+00 -3.7626e+00 -3.4315e+00  6.8511e+00  3.1225e+00
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 -5.6620e+00 -9.3654e-02  1.4942e+00  3.8172e+00 -4.1021e+00  7.5043e-03
 -1.7501e+00 -3.0820e+00 -8.5364e-01 -3.7871e+00 -2.6769e-01  1.7718e+00
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  1.0163e+00  2.9485e+00 -8.3106e-01  1.1849e-01 -3.7948e+00 -2.3797e+00
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  4.4865e+00 -3.1749e-01 -4.7914e+00  1.6120e+00  2.2337e+00  4.8048e+00
 -9.8984e-01  2.3180e+00  2.0899e+00  1.1124e+00 -4.7853e-01  8.7266e-01
  3.3040e+00  3.1521e+00 -4.1319e+00 -1.1739e+00 -2.9475e+00  9.2590e-01
 -1.2696e-01  2.2691e+00 -3.3556e+00 -1.8999e+00 -5.9839e-01 -1.6087e-01
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  1.7603e+00  1.3916e+00  6.5967e-01 -1.0314e+00 -2.3828e+00 -1.4624e+00
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 -1.8330e+00 -1.6562e+00  2.2702e+00  2.0494e+00  1.1108e-02  3.0029e-01
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  4.4240e+00  2.7489e-01 -7.5277e+00  2.6266e+00  1.8799e+00 -3.6007e+00
  3.2863e+00 -4.5887e-01 -1.2342e+00  2.6388e+00  1.0526e+00  1.4136e+00
  5.2900e+00 -5.9741e+00 -2.3375e+00  8.7127e-01 -2.0136e+00  3.9709e+00
 -2.9571e+00 -1.0230e+00  1.4645e-01 -1.5821e+00 -2.3436e-01  1.2947e+00
  5.6381e-01 -1.7212e+00  3.9080e+00 -2.0782e+00 -4.6018e+00  2.6392e+00
  3.1889e+00 -2.0334e+00 -4.5379e-01 -4.2254e+00  3.6145e+00  2.8698e+00
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 -1.4433e+00  4.2946e+00 -4.8291e-01  1.5650e-01 -1.7460e-01  1.4786e+00
 -5.0120e+00 -3.0979e+00 -1.4091e+00 -1.5974e+00 -1.0610e-02  5.1153e-03
 -1.8765e+00 -4.2033e-01 -3.4616e+00  5.0777e+00  5.0915e+00  1.1967e+00
  4.9270e-01 -5.9740e-01 -1.5671e+00  7.9730e-01  2.7149e+00 -9.5048e-01
 -1.0072e+00 -1.2503e+00  1.7744e+00 -1.4515e+00  1.9728e+00 -5.0230e+00
  4.7469e+00 -4.9756e+00  4.5544e-01 -4.0785e-01  4.2540e+00  1.1620e+00
  4.3357e+00 -3.2422e-01  2.7408e+00  2.1290e+00  2.7563e+00  2.8115e+00
 -2.5136e+00  1.4481e+00  9.3328e-01 -1.1752e+00 -9.7921e-01  1.4100e+00
 -3.0494e-01 -2.6680e+00  1.6572e+00 -6.8103e-01  1.9170e+00  5.9497e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
Lugo [ 0.282      0.48517    0.99107   -0.40211    0.86458   -0.63589
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  1.7561     0.69707   -0.66195   -1.7515     1.2992    -0.87147
  2.0825     0.047546  -1.2599    -0.54476   -1.3145    -0.93189
  1.9905    -0.022053   1.5245     0.69724    3.326      0.60778
  1.3703    -1.6952     1.5933     1.26       2.4164    -1.9189
  0.15815   -0.87423   -1.2018    -0.19265    0.90683    2.7168
 -1.1508    -0.6539    -0.79623   -1.8427    -1.3582     1.1896
 -0.95855   -1.9063    -2.4232    -0.66001   -1.955     -2.0738
 -1.2985     0.27266    3.7144    -0.63306   -1.5767     1.2397
 -2.0671     4.2281     0.38926    3.0435    -1.3146     1.2103
 -3.2888     3.3019     2.0328    -0.65945   -5.1604    -0.18377
  1.2673    -0.095249   1.9611     0.70839    0.85724   -0.37113
 -1.7214    -0.20412   -1.7534     0.54016   -2.4895    -0.23566
  2.5525    -0.60775    2.215     -0.48455    1.5119     2.3359
  0.0058808  1.0796     0.33369   -0.42464   -0.32711   -0.48343
 -1.2355     0.27479   -0.0311    -1.0913     2.6011     1.0784
 -0.7165    -0.33298   -3.0178     0.92626   -3.3592    -1.3957
  0.89868    0.96436   -0.96182   -0.96779    1.6082    -0.3975
  0.90933   -0.57405   -0.67006    2.0879     0.43081   -0.63709
 -3.5945    -1.3247     0.08954   -2.6052     0.71902   -3.4198
  1.016     -0.64247    0.909      0.77878   -1.7122    -0.96741
  0.10015   -1.5013     0.017773   0.84109    1.2665    -0.152
  0.77231   -0.8684     1.2946    -2.3885     0.19859   -1.5724
 -1.1557     0.4364     1.5379     1.0026     1.0712     1.6922
  1.2598    -0.92112    1.5433    -0.88617   -0.089004  -0.79708
  0.17369    2.8146     1.3718    -3.6945     1.0114    -1.1026
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 -3.3065     0.98128   -0.8766     1.0321    -2.1123     2.7602
  0.93156    0.41284   -2.3122     0.49063   -3.407     -2.5071
 -2.5989     1.5106     0.31867    0.043576   0.37832    1.9112
  0.55699    1.7562    -0.40609    3.1519     0.16603   -1.3522
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  3.0509     0.21221    2.5361    -1.1899    -1.3214     1.6474
 -2.7041    -1.6792     3.4321     1.5269    -0.061068  -1.7642
 -0.085534  -0.60988   -0.43991   -2.287     -0.50656    1.2817
 -0.2246    -0.47689   -1.6956     0.32565   -0.39533    0.64147
  0.27949   -0.80453    3.6515    -2.302      0.87772    1.2461
  0.19799    2.6574     1.313     -2.3011    -1.4291     1.3991
 -0.8847    -2.0442     1.7167     0.48365   -0.81835   -1.7172   ]
said [ -0.67821    0.63517    3.2564     0.37733    3.6469     3.9638
  0.27292    0.21205   -4.1228    -1.0324    -3.931     -1.9908
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  0.81676    8.1923     3.023     -7.989      1.8993    -4.6024
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  5.0452    -7.6967    -1.9256    -2.6184     3.326     -0.15897
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  5.2714    -6.0275     3.2455    -0.56927    3.7955    -0.74849
  4.7654     0.21547    0.078135   1.8643     4.6551     0.27815
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  2.0581    -6.1528     5.4256    -0.67616    3.6882    -0.58041
  0.92328    9.5521    -6.4085     4.5072     3.5388    -2.5321
  6.0478    -7.7898     0.16097    3.0218    -1.0696    -4.9188
  1.8531     6.2672    -5.1217    -7.2558   -11.086     -1.1793
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  8.2615     1.2859    -1.4237    -3.7295    -2.5698    -0.96861
 -8.6372    -4.9457    -3.5017     2.7698     2.4424    -1.5171
  1.8412     1.8804     0.42064    5.7253    -2.1147    -2.8437
 -2.1173     0.58021   -7.5801     0.78562    5.3082     0.086285
 -0.62317    1.5289     3.8113    -3.5046     0.013797   5.2891
 -4.8427     0.49014    3.2589     4.0782     5.4443    -8.6187
  4.6487    -1.5055     2.1056    -1.1983    -3.9361    -0.87771
  1.3105     7.225      5.382      6.9255     3.611     -2.8444
  6.7163    -1.0992     3.8233     1.518      1.4586     0.11543
  1.8949     2.159     -6.9587    -6.5529     4.2242    -3.6767
 -2.1348     6.1599     1.4292     0.15517    1.6795    -6.2256
 -0.44218    2.6016     0.033856   0.87542   -6.5409     4.9558
 -0.028809  -2.7874    -0.50073   -1.845      1.4872     2.5321
  3.6293     6.5411     3.2586     0.42237    1.4016    -2.8109
 -5.2084    -2.7512    -3.6062     4.0768    -4.462      0.89436
  0.15113   -2.8989     3.9812    -3.6619    -2.6481    -5.4197
 -2.753     -4.4707     2.2379     1.1731     1.8198     0.099536
  1.7237     2.7738     3.2043    -4.9352    -5.1319     4.1869
 -1.1909    -1.7825    -4.5866    -1.1516    -0.62557   -1.7176
  0.31701    0.035141   7.0499   -10.997     -2.2294    -3.318
  0.13928   -1.2849    -2.1121    -2.5563    -3.4184    -0.024208
  4.8414    -4.6892     1.9502     2.3926    -3.4849     1.0265
  1.0523     7.9153    -0.55593   -2.2372     0.4934    -0.15246
  4.9987    -5.5787     1.0173     2.4718     2.0187    -0.87453
 -2.5375    -6.4779     5.7426     1.0854     7.9669     1.7795
 -4.675     -0.83422    1.1653     2.4569    -5.3529    -1.4631
 -5.3443    -1.678     -0.71452    6.45       2.9919     1.1298  ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
  2.6301    1.1136   -3.3689   -5.4062   -3.6021   -9.8479    4.6016
 -0.50542   0.66145  -3.552    -4.3909   -2.3702   -1.8251   -4.8768
  2.7245    5.3177   -0.50146  -7.2556   -4.6895   -5.4604   -5.6257
  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
 -0.22849  -4.0779   -4.7086    2.0722   -2.3405   -1.6884   -1.9876
 -2.2207   -2.6514    3.3686    0.12579  -5.8689    4.6715    1.1999
 -4.3008    2.1239    0.029298  3.0072   -2.4435   -3.9103    1.0187
 -2.0263    5.0496    0.66619  -3.978    -4.0066   -1.8538    0.65539
 -2.1525   -9.2576   -2.6783   -1.4023    4.0334   -2.3129   -5.1051
 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
  3.6893    0.69812   6.3418    2.264     2.7177    4.6719    2.9297
  1.1045    2.3091   -0.52648  -2.776    -2.0394   -4.1364    0.091809
 -0.62613  -0.14244   1.4294    5.0263    4.395    -0.63146   3.0023
 -3.5179   -0.71451  -7.009    -0.08824   3.5531    3.1061   -6.3624
  6.6491   -4.8624    0.20515   0.17462  -3.203     1.4741    4.2968
 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
  0.29465  -2.0811   -2.1067    2.1568   -3.5174    1.6831   -2.5722
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-1.8992    0.57382   5.4505    3.6633   -4.7065    0.60155  -0.53312
-3.1413   -2.4749    8.7393   -1.3324   -4.1015   -2.9628   -0.079662
-1.5063    3.3633    7.0645    1.2196    4.3788   -6.4489    1.2194
 0.37559  -1.2663    2.947    -2.7332   -3.5665   -1.3088    0.19732
-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
-0.47745   1.5749   -1.9741   -1.5416    0.45149  -0.21663   1.1495
-5.0475   -0.19798   0.19929  -3.7595    2.5563   -3.8548   -2.7141
 2.9688   -1.3176   -1.2686   -1.3209   -2.7947    3.6765   -6.7201
-3.5003   -0.1796    1.1076   -1.0369   -0.27029   1.3922    0.1615
-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
 1.6065   -0.98225   2.762     1.4601   -0.5405    0.26084   8.2027
 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
 1.134     3.0243   -3.0984    1.304    -0.52699  -1.3622  ]
“ [  4.0117     6.1447     6.0428    -1.2223    -0.89314    7.0289
   3.8083   -10.175    -12.974    -16.355     13.199     -0.64208
   3.9055    -9.0027     0.69574    2.0928     4.5826     7.3396
   0.15615    5.3642     1.7527     2.9559     4.2408    -8.9241
  -8.7371     3.4601     9.256     -3.0093    -1.6291    -1.0837
   4.8812     3.5292    -8.566      2.6971    -0.069463  -2.6916
   7.1875   -12.072      6.6128    -2.7805     4.0383   -13.224
  -6.6133     0.71981   -4.2057     2.6999     0.46916   -5.5086
   2.083     -6.8729    -3.8757    -2.521      1.6688    -5.6535
   0.29916    5.276      3.7059     5.052      1.5987     5.3329
  13.426      8.4246     6.1137    -0.38982   -2.6855     3.6625
  -4.15     -25.151     -6.8561    -2.96       2.1339     0.97768
   8.0443    -0.84752   -1.313     -3.1546     3.7657     7.9994
  -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
   1.6884     6.4194     4.2471     0.99829   -4.3103    -2.7644
   9.5779    -6.4278     3.0096    -6.8325   -12.983      5.1065
   3.4582     1.4       -9.0537    -6.3843    -7.7083     2.4973
  -2.7985    10.036      0.51554    3.7998    10.056     -2.0603
  -0.11334   -5.1983     1.7585    10.259     -0.17789    4.286
   6.5564     6.733     -3.124    -17.44     -12.351      1.5846
   0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
  -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
  -5.4211     3.0427    -4.9335    11.522      1.3528    -3.6276
   0.86034   -2.0012    -2.8312   -10.816      1.5776    -6.0255
 -12.195     -3.804    -14.259      5.7856   -14.996     -6.5582
  -1.661     17.208     -7.7206     0.54176   -2.4799     4.1986
  -2.0755    -4.495     -3.8344    -4.8182     9.8085     6.576
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   6.5724    -6.4115    -3.4879    -3.0151     3.1908    -6.1925
   4.7697     3.7224    -0.23423    3.124     -6.1329    11.586
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  6.0114e+00 -8.6155e+00 -1.3755e+00  3.4244e+00 -1.3362e+00  1.2500e+00
  5.5613e-01 -5.5042e+00 -1.4148e+00 -3.6620e+00 -2.3090e+00 -3.6422e+00
 -1.7991e+00 -3.0485e+00  5.5866e+00 -2.8825e+00  8.0540e-01 -1.3940e+00
  4.4287e+00 -4.9204e-02  2.0870e+00 -2.5216e+00  2.2721e+00  3.8215e+00
 -4.8802e+00 -2.3311e+00  1.6004e+00 -1.0769e+00  4.8329e-01  9.2456e-01
 -7.9073e+00 -2.9952e-02 -2.7095e+00  1.6685e+00 -8.7490e-01 -4.7983e+00
 -3.5511e+00 -2.9586e+00 -4.1133e-01 -3.1639e+00 -3.5321e+00 -4.9695e+00
  2.6389e-01  3.0910e+00 -2.4373e+00  1.0184e+01 -1.1272e+00 -1.3708e+00
  4.4540e+00 -1.6343e+00 -1.9313e+00  3.0409e+00  6.1715e-01 -9.3178e-01
  3.2770e-01  2.3700e+00 -3.7567e+00 -1.9797e+00  1.3933e+00 -6.0900e+00
  1.1082e+00 -2.1561e+00  1.1847e+00  8.5820e-01  4.4808e+00 -3.3253e-02
 -1.3019e+00 -2.5326e+00  1.3094e+00  8.9174e-01  3.1918e+00  4.4421e+00
 -5.5179e+00 -3.2010e+00 -3.1081e+00  1.6516e+00 -9.0856e-01  4.4093e-02
 -9.8697e-01  2.7369e+00 -2.4312e+00 -5.6634e+00  2.3452e+00  5.7850e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
```

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 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
combatant [ 0.84335   1.24     -2.2326    5.2438    2.6169    3.4229   -0.72355
  3.4718   -1.8675    0.24362   0.42885   2.5111   -1.5517    2.5046
  1.4567    1.6316    1.6669   -1.1604   -0.24281  -0.3751    0.58089
 -1.2341   -1.2233   -0.18705   5.1725    0.79949  -2.6103   -0.4358
  0.072592  2.5799    3.603     0.61333   2.0727   -2.2411   -1.808
 -2.3992   -0.67574   2.991    -1.0636    2.0563    0.50186  -0.054407
 -1.6712   -0.49553  -1.9942    0.93541  -4.1547   -7.6       2.3568
  1.0965    2.7825   -0.085178  5.1728   -3.1584   -1.115     2.8008
 -0.46121   0.61467  -0.14494   0.92439  -2.2       1.5015   -7.3266
 -3.215     2.9366    4.8651   -3.1582   -4.5828   -1.0479    4.0035
  2.3976    1.4213   -3.6628    3.1545    2.236     2.3188   -0.80385
 -0.6259   -2.6505    0.090568 -9.1611   -5.0975    0.20259   4.7113
 -0.34542  -3.7083    2.7789   -6.2907   -3.7221    0.83414   0.67469
  1.1171    3.0538   -1.7946    1.5634   -3.6112    0.21117  -3.3052
 -1.3212    3.2625    1.5646    0.11067   6.1852    0.05631  -4.4193
  4.5106    2.5538    1.932    -1.0019   -1.6915    2.2738   -1.9909
 -2.7485    5.8069    0.45451   0.32681  -1.8668    0.89614   0.14585
 -0.11886  -2.8727   -2.36     -0.73934  -3.3851   -1.5274   -2.7754
```

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 2.3339   -5.8438   -1.8851    0.10109  -2.7986   -0.99205   1.604
-0.49405  -1.685     0.30091  -1.947    -1.0375    2.2509   -1.4517
-0.90119  -4.0768   -0.074088  1.4802    2.7167    3.6388   -7.567
-2.7515    0.69265  -0.77587   2.263    -2.166    -3.0512    2.243
-1.7133   -1.3645    5.4213    1.7485    1.379    -1.2615   -3.118
 0.58541   1.7828    0.84113  -1.7898   -1.8537   -5.0568   -0.060017
 2.4457    0.59465  -1.4908    3.3272    0.56078  -2.9719    0.28748
-0.46685   0.77967   0.073503 -1.4491   -2.5257   -4.9788    0.46059
 0.048386  0.1793    1.8817    0.23255  -3.4585    1.8621   -1.5341
-0.29393   3.2284    0.53145  -1.2882   -0.35088   0.30824  -2.2667
-2.3731    1.0215   -3.5303    0.50725   0.39467  -0.47817  -2.0391
-1.403     0.81854   2.257    -3.4407    0.14328  -1.8048    3.0288
 2.2846    1.9899   -3.0886   -0.65833  -2.6933    0.30859   4.5301
-0.2074   -2.1171   -0.24882  -1.6821    4.0349    1.2397    0.092604
 0.1463   -0.7313   -1.3553   -2.864     0.52063  -0.5786    3.7264
-2.1303    0.12175   5.6904    0.93265  -2.1749   -7.7379    0.19139
-2.7968    0.92536   1.1969   -2.9847    1.7124   -4.0759   -6.746
 1.4926   -1.4292   -0.15617  -0.50665   2.2337    2.7402   -1.6119
-1.9915   -2.3183   -2.0355   -1.6078    1.5377   -3.8101   -0.098648
 4.5372   -5.6012    1.3516    5.0443    1.1015    0.87106  -1.7508
 0.72248  -1.5762    1.9842    0.011132  1.2929   -3.2358   -2.2831
-0.60185  -2.557     0.52965   0.21371  -0.96596  -0.94192   3.8706
 1.5417   -1.8438    1.5568    2.4746    0.56514   0.35781  -4.5789
 1.5574    0.85168   5.8917    4.0664    0.96268   1.6753    1.3915
-2.4389    0.99678   0.87492  -2.5517   -3.8924   -0.49318 ]
commands [-1.0493    2.3091    2.6525    2.5567    1.0722    4.6517   -3.1545
-1.6506   -0.71545  -0.17417   4.6241    4.3614   -4.7567    2.8877
 3.0496   -0.08489   2.255     3.8426   -0.48283   0.24636  -0.045282
-0.69533  -2.2786    2.0179    3.3353   -0.52029  -2.7092   -3.5622
-0.81509   2.3934   -0.059193 -0.43685   0.049527 -1.276     1.1654
-0.42527  -3.855     2.3453    3.2515    1.8808    1.1367   -3.6948
-2.8501    0.20371  -2.6667   -1.6446    0.91435  -3.8293    0.39724
-2.8254   -1.0055    1.7587    3.2196   -0.57892  -2.1096    0.71687
-2.0273    1.4446   -0.44943  -2.3755    0.34378   0.40947  -2.5107
-3.2845    1.3959    3.4431   -3.6283   -5.8998    1.6575    0.79401
-0.026344  0.93905  -2.423     0.96838  -1.5716    1.5852   -2.5098
 4.1074   -2.2799   -1.2417   -4.8785   -5.2375   -0.064011  5.0849
-1.0548   -2.5242   -0.76378  -0.37291   1.0446   -2.1971   -1.1005
 1.4057    0.49352  -1.5806    2.6813   -0.50921   0.06354   1.4594
-1.48      0.84349   4.715     1.517     4.2079   -2.8857   -2.6721
 3.2748   -0.65689   0.49481  -0.93665  -2.5519    4.3957   -2.7188
-1.7487    0.80502  -3.6914   -1.8478   -2.059     1.2663   -0.94242
-2.6596   -1.61      -3.4821   -0.52585  -0.70472  -1.3022   -5.3908
 2.6496   -5.7215    4.0198    0.058415 -4.11      2.2972    4.2602
-0.51684   1.6259   -2.2249   -6.3735    0.96224   0.19388  -2.8862
 0.38814  -4.9774   -1.7772    3.8666    2.0676   -0.815    -2.6262
 2.7789   -0.2272    2.4242    1.7834    0.5402    0.059421  2.2197
 1.5236   -0.041608  2.5495    1.2105   -5.2551   -2.9016   -2.484
-1.4888   -1.2008    0.66581  -0.06058  -3.7138   -5.0995    3.417
-1.1185   -1.281    -0.89511  -2.1285   -0.27073   0.49145   3.788
-0.80686   2.6957    0.72051  -1.8804   -2.4364    0.5068   -0.59165
-0.98359   0.36848   2.2676    4.9479   -1.6713   -3.9428   -1.7125
-0.20759   4.5461   -2.2449    1.0148    2.7321    0.73102   3.3319
-0.93696   0.33819   1.5587    0.45875  -3.2548   -0.78926  -3.5378
-3.112     3.0582   -0.853     1.6355   -1.5304    0.48404   4.3638
-2.1733    1.6571   -2.4704    3.1175    1.4134    3.0259    0.93904
-3.3163    3.5572    0.9146   -0.93508   2.4372   -0.32157   0.15687
 1.        0.27498   0.1845   -0.223    -1.0245   -4.0064    0.41069
-3.2971   -1.0523    0.84927   3.1177    2.8454   -0.083141 -1.5507
 0.029798 -0.48404   1.2098   -0.70982  -0.91681  -0.67654   2.5157
```

```
  1.5211   -3.0509   -0.34051   1.0422    1.2037    1.1929   -6.7269
 -4.827    -2.7785   -1.115    -1.8943    2.1234   -4.2143   -1.83
  0.92596   2.1085    5.2659    1.627     0.14193   3.0082   -1.9644
  3.2749    1.3263   -3.4636   -0.27947   2.0011    1.1284   -0.13622
 -0.50983  -0.89703  -1.9927    1.1432   -4.4811   -0.17438   5.9275
  1.0627   -1.2763    1.0716    3.7856    3.9631    0.18109  -0.27175
  0.13906  -1.5654    2.2374    1.7623    4.8875   -2.5639   -0.3823
 -0.70396   3.4509   -0.21238  -1.9129   -3.622     1.9615  ]
are [-7.1395e+00 -2.4339e+00 -2.5181e+00  5.1603e+00  6.6538e-01  6.2771e+00
 -8.5893e+00  9.2970e+00 -4.6171e+00 -1.9255e+00  4.6743e+00 -1.0143e+00
 -5.2753e+00 -3.4705e+00  1.1035e+01  6.0578e+00 -5.4488e+00  3.6641e-01
 -4.9906e-01 -7.2857e+00  2.3550e+00 -6.4081e+00 -9.8889e+00 -7.2545e+00
 -7.3035e+00  4.3582e+00  4.5672e+00 -8.6448e+00 -5.6271e-01 -5.1761e+00
  5.4107e+00  1.6521e+00 -1.1499e+01 -9.0169e+00 -1.4161e+00  5.1452e+00
 -1.5432e-01  5.3304e+00  9.0325e+00  7.0028e+00  6.7928e+00  6.5654e+00
 -1.9077e+00  4.6363e+00 -8.2151e+00  5.7743e+00  9.4244e+00 -9.4891e+00
 -7.8690e-01  4.0913e+00  1.8901e-01  4.0977e+00  7.9927e+00 -1.8402e+01
  1.9437e-01  2.4133e+00 -1.5134e+00  3.6646e+00  1.8009e+00 -2.2974e+00
  6.1053e+00  3.2767e+00  2.3698e+00 -3.4089e+00  6.0791e+00 -1.0496e+00
 -5.4553e+00 -1.0631e+00 -2.0511e+00  2.0346e+00 -5.5171e+00  2.0513e+00
 -2.3924e+00  5.3559e-01 -3.7088e+00 -1.4202e+00 -5.6887e+00 -2.1082e+00
 -1.6963e+00  1.4000e+00 -3.7038e+00  3.1733e-02 -3.0140e-01  1.6193e+00
  7.8388e+00 -1.1760e+00 -4.5592e+00 -3.0969e+00  8.4116e+00  6.4556e+00
  2.2805e+00 -6.4488e+00 -2.9915e+00 -4.2826e+00 -5.1191e+00  1.2892e+00
  5.1704e-01 -6.4569e+00 -1.8947e+00  7.6637e-01 -5.2927e-01  2.4601e+00
 -1.3445e-01 -5.5656e-01 -3.6748e+00  6.9035e+00 -3.9277e+00 -1.8049e-01
 -1.1688e+00  4.4051e+00  9.3867e+00 -3.9732e+00 -5.8361e-01 -5.9747e+00
 -4.0834e+00  8.4304e+00 -7.3957e+00 -1.2977e+00 -1.5070e+00 -6.4646e+00
 -8.4846e+00  3.8867e+00 -3.8673e+00  1.7580e+00 -1.1202e+01 -1.4196e+01
 -4.7069e+00 -5.7320e+00 -3.1907e+00  9.1816e+00 -1.3515e+00 -3.0696e+00
  1.0705e+00  2.7934e+00  1.2047e+00  7.6212e+00 -5.1389e+00  1.8877e+00
  3.0568e+00  7.3349e-01  1.2372e+00  7.6613e-01 -2.3151e+00 -4.2148e+00
  7.7783e+00 -7.5604e+00 -7.0796e+00 -9.7739e+00 -5.7583e+00  2.4196e+00
  6.0054e+00 -3.3835e+00 -2.3892e+00  2.8944e-01 -1.0803e+00  2.1553e-01
  4.5528e+00 -3.3486e-01  2.2235e-01 -2.8835e+00 -5.2577e+00 -1.7629e-01
 -8.8074e-01 -9.0020e+00 -4.2951e+00 -1.4936e+00 -8.3325e+00  6.1630e+00
  3.2914e+00 -1.1028e+00 -3.6676e+00 -5.1784e+00  4.0418e-01  9.5084e-01
 -1.2313e+00  1.5689e+00  8.4684e+00  1.0628e+01 -2.4789e+00 -6.3778e+00
 -7.6133e-01 -4.9293e+00 -4.7340e-01  7.7729e+00  1.3093e+00  2.2021e+00
 -3.0884e+00  3.3861e-01  2.1974e+00  7.7405e+00 -5.2260e+00  4.3013e-01
  6.0505e+00  5.3930e+00  3.2816e+00  8.2091e+00 -4.2903e+00  9.3290e+00
  5.3857e+00 -4.9741e-01  2.2052e+00 -4.6191e+00 -1.2407e-01  9.5478e-01
  8.4629e+00  1.0570e+00 -6.3333e+00  2.0358e+00  2.5175e+00  4.7564e+00
 -9.1763e-01  1.9307e+00  2.1470e+00 -1.0705e+00 -4.6793e+00  4.0667e-02
  3.6421e+00 -1.1459e+01 -2.1205e+00  8.4685e+00  3.1494e+00  1.7994e+00
  6.2841e+00  1.7717e+00 -2.7784e-01  5.5002e+00 -2.3093e+00  4.3914e+00
  4.5903e+00 -5.1033e-01  1.1769e+00  2.3991e+00  5.5478e+00  6.7418e+00
  2.5821e+00  1.4383e+00  3.1312e+00 -7.7081e-01  4.8816e+00  1.1286e+00
 -2.2709e+00  1.8717e+00 -3.4470e+00  3.8647e+00 -6.4492e+00 -1.1923e+00
 -1.1326e+01  3.1822e+00  7.7341e+00  1.1316e+01 -3.2741e+00 -1.2782e-01
 -3.6462e+00  3.6184e+00  5.7170e+00 -8.3825e+00  1.5262e+00  4.4945e+00
 -3.0539e+00  8.8721e+00 -6.2620e-01  6.1333e+00 -3.3232e+00  1.4263e+00
  8.9952e+00  1.7785e+00  3.3962e+00  8.1608e+00 -4.7375e+00 -1.9417e-01
  8.6104e+00 -1.1521e+01  4.6791e+00 -1.0418e+01  3.4825e+00  2.1576e+00
 -8.4904e+00  1.7844e+00 -1.0307e+00  1.7072e+00  6.8478e+00 -1.6212e-01
  3.9700e-01 -1.3995e+00 -3.8334e+00  1.7668e+00  1.2926e+00  1.7469e+00
  1.9176e+00 -5.6437e-01  5.9101e+00 -1.1613e+01  1.1822e-02 -7.3256e+00
 -3.1746e+00 -7.7470e+00 -5.2323e+00 -4.8147e+00 -5.1779e+00  6.7697e+00]
actively [-0.87487   2.6349   -3.0254    3.1191    3.3545    3.3759   -1.1281
  2.1092   -3.582    -0.60852   3.5557    2.219    -1.2566    1.5193
```

```
 -1.0335    1.5709    0.42661   2.2454   -4.2304   -0.33911   1.1432
 -0.79975  -5.9827   -1.8126   -0.54645   0.47613  -6.5054    1.7314
 -1.5064   -0.96955   3.8104    0.72587  -3.2304    0.25624  -1.6933
  1.5512    1.4981   -0.074592 -0.26458  -0.34678   0.92      1.0643
 -1.8638    0.39214  -2.4609    3.4577    0.62664  -3.1686    0.68277
  3.2705    3.3128    1.4263    0.40427  -4.1557   -1.6965    1.3828
  0.32992   1.9876   -0.16397  -4.4869    0.90455   0.52979  -1.631
  0.26588   1.3924    1.2566   -1.5018   -3.3631    2.1136    1.9013
  0.52754  -0.15648   1.331     1.8373    0.67516  -1.8268   -3.4102
  1.7988   -5.2897    0.56507  -3.805     1.1116    1.5545    4.4596
  1.5866    1.7361   -4.3131   -3.9666    3.1126   -0.77848  -1.5207
 -1.3258   -0.13461  -3.9325    3.638    -0.54183   1.3645   -0.11525
 -1.2479    3.3289    2.1422    0.88639   2.5403    2.346    -1.3737
  5.1071   -1.6691   -3.8755    0.25794  -5.2229    1.935    -2.0693
  0.96835  -1.9806    1.6573    0.87168  -1.0491   -0.8632    0.77404
 -2.5798    0.22574  -5.3656    0.62877  -1.2618   -2.0058   -1.9018
  1.7897   -7.285     0.065312 -3.3644   -3.4495    1.0808    1.9534
  1.5663   -2.8235    3.536    -0.57534   0.40802   0.17155  -0.71639
 -2.2515   -2.6496   -1.0887    0.2279    2.1804   -1.1638   -4.1693
  0.30909   2.5807    0.41708  -0.94957   3.9615    1.3613    1.977
 -2.2979    0.89889   1.2584   -1.8146   -4.093    -2.9851   -1.3319
 -2.5838   -1.1244    0.78725  -3.8344   -1.9978   -3.8122   -0.099823
 -1.3705   -3.8052    1.6573    1.85      1.4506    0.85159  -0.083119
  0.9601    2.3387   -0.023308 -8.4616   -1.2382   -6.2345   -1.6289
 -2.1874   -2.1415   -0.27035   3.1364   -1.3676   -0.39553   0.87753
  1.1143    0.39194  -2.1223    0.4579    0.29747   1.568     2.7484
 -3.6944   -0.97494   0.38002  -2.1463   -1.9597   -4.2932    0.055943
  0.62442   5.2412    0.82932  -3.7407    2.534     0.50739  -0.48918
  1.5837    1.5955   -1.1973    0.47086   0.13786   1.7601    3.5211
 -3.5716    1.7168    1.8135   -4.1696    0.7399    0.18381  -0.1774
 -1.5697   -2.2193    0.63598  -0.34971   2.1111    2.7711    2.7637
  0.13264  -2.0992    3.5627    3.9888    0.6732   -0.50641  -0.93715
 -0.22606  -1.8595   -0.95698  -1.6247    0.36146  -1.6394   -0.62647
  4.3797   -4.4139    0.10333   2.5758    1.8525    0.86891  -2.7203
 -1.2773    2.0718    1.8059   -3.6011    2.1993   -1.8231    0.56168
  2.5018   -2.1902    6.6021    5.3995   -0.14369   1.273    -2.0108
 -0.025738  3.1309   -2.0084   -2.909     1.1452   -1.6164    2.5744
 -3.6649    1.1598   -2.0558    1.5963   -1.8273   -2.0767    0.012753
  3.8744   -0.11084   3.0051   -0.60152   3.1228   -2.449     0.77605
  4.1758   -4.3531    1.5368    3.1604   -0.15282  -2.539     0.90437
 -0.63034  -1.0841    2.52     -3.3272   -3.295     3.1962  ]
seeking [ 2.0543e+00  1.7712e+00 -3.3691e+00 -1.6941e-01  2.6400e+00 -2.1360e-01
  4.8788e-01  2.0943e+00 -1.0261e+00 -2.2387e+00  7.4875e+00  3.1327e+00
 -6.2270e+00  2.2888e+00 -1.6987e+00  1.2662e+00  2.9530e+00 -3.2785e+00
  2.8290e-01 -1.2424e+00 -4.5141e-01  8.1507e-01 -2.8722e+00  2.3857e-01
  2.4343e+00 -3.6870e+00  8.1488e-01  1.1625e-01  1.6117e+00 -2.6528e+00
  3.5766e+00 -1.2303e+00 -1.4175e+00 -4.5543e+00  9.1075e-01  6.9434e-01
  1.0624e+00 -1.0873e+00  1.7205e+00 -2.3475e+00 -3.2344e+00 -3.0185e-01
  9.7060e-01 -8.7259e-01 -5.7610e+00  2.2323e+00  3.3674e+00 -1.0038e+00
  1.4242e+00  1.2393e+00  1.0570e+00  5.5163e+00 -1.6176e+00 -7.9029e+00
 -4.3310e-01 -4.5410e-03  2.9798e+00  3.3662e+00  7.6077e-01  1.6620e+00
  3.7001e+00 -1.2684e+00 -1.4243e+00 -2.8920e+00  4.0195e+00  1.1410e+00
 -1.0189e+00 -2.2891e+00  7.1275e-02  7.1657e-01  3.3591e-01 -1.8619e+00
 -6.7433e-01 -4.6265e-01 -2.3665e+00  4.4985e-01 -2.5274e-01  5.4816e+00
 -5.2614e-01 -3.7800e+00 -5.1311e+00  5.0846e-01 -9.6012e-01  1.7879e+00
 -2.2613e+00  4.1027e+00 -3.1429e+00 -5.4775e+00 -8.4259e-01  2.4372e+00
  4.0285e+00  2.3971e+00 -2.1089e+00 -2.2769e+00  2.5288e-01 -1.2262e+00
 -1.1609e+00 -9.0575e-01  7.2909e-01 -8.5778e-01  3.6817e+00  6.7711e-02
  2.2698e+00  6.0765e+00  1.7462e-01  6.2785e+00  1.4871e+00 -3.5388e+00
 -4.3591e+00 -7.1131e+00  5.7600e+00 -3.8246e-01 -1.5244e+00 -3.0843e+00
```

```
  2.5471e+00  3.0254e-01 -1.2010e+00 -3.7129e-01  1.2757e+00  1.4189e-01
 -2.3715e+00 -1.5643e+00  1.7893e+00 -7.8525e-01 -1.6396e+00 -5.1683e+00
  1.4135e+00 -3.6026e+00  2.8655e+00 -9.3090e-01 -2.3146e+00 -3.6775e+00
  3.1195e+00 -1.5015e+00 -2.3943e+00 -6.3084e-01 -2.1973e+00  1.1493e-01
  5.7612e+00 -1.5641e-01 -6.1427e+00 -3.4889e-01 -1.4472e+00  1.7093e+00
 -2.8204e+00 -5.0242e-01 -7.1782e+00  4.4403e-02  4.7177e-02  2.1303e+00
  7.6300e-01  4.4438e+00 -1.7931e-01  1.8384e+00 -1.1287e+00 -1.2977e+00
  3.3044e+00 -3.9907e+00 -3.4134e+00 -4.4275e+00 -1.4386e+00 -2.6493e+00
 -2.5152e+00  1.2026e+00  1.2935e+00 -1.5696e+00 -2.7196e+00 -2.4642e+00
 -1.4530e+00 -2.1121e+00  2.3767e+00  2.3375e+00  3.5065e+00 -2.4364e+00
 -6.2220e-02  1.6632e+00  3.6412e+00  2.4971e-01 -3.8626e+00 -3.6638e+00
  4.9363e-01 -2.4584e+00  3.0950e+00 -8.3469e-01 -2.0472e+00  3.9096e+00
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 -3.2653e+00 -5.9502e+00 -2.1717e+00 -3.3465e+00 -5.4530e+00 -2.7126e+00
  1.1073e+00 -6.5414e-01 -1.6867e+00 -1.9730e+00  2.1951e+00 -5.1088e-01
  2.3473e+00 -2.6982e-01 -3.6717e+00  2.9760e+00  2.9472e+00 -4.0876e+00
 -1.9462e+00  7.8212e-01  1.4062e+00 -2.6020e+00  8.0879e-01  5.3418e+00
  2.8849e+00 -9.7180e-01 -1.2885e+00  8.9843e-02 -2.1086e+00  7.0738e-01
  5.9822e-01 -2.0796e-01  1.9743e+00  1.2445e+00  5.2793e-01  3.1623e-01
  1.0662e+00  3.2285e+00  4.0082e+00 -7.6871e-02 -4.0526e-01  7.4878e-01
  1.6382e+00  2.8199e+00  2.0888e+00  3.5650e-01 -1.2011e+00  1.3317e+00
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 -5.3477e-01 -1.8472e+00  9.7945e-01 -3.4073e+00  3.0916e+00 -3.8989e+00
 -2.3548e+00  4.5085e-01 -3.2028e+00  1.2751e+00  3.9076e-01  4.1088e+00
  3.4319e-01  1.3690e+00  4.6518e-02 -4.1203e+00 -1.7672e+00 -1.2603e+00
 -1.8983e+00  1.7950e-01 -6.8151e-01 -1.1563e+00  1.5867e+00 -1.8078e+00
  5.2144e+00  6.4168e-01 -1.6254e+00  5.4381e+00 -1.2594e+00 -7.2639e-01
 -1.6339e+00 -1.0362e+00 -3.9140e+00  2.5581e+00  8.8394e-01  4.3029e+00
 -3.9704e+00 -3.9649e+00 -1.0040e+00 -3.2168e-01 -4.1729e+00 -3.1827e+00
  1.9901e+00 -1.6180e+00 -2.8234e+00 -2.3650e+00 -1.9362e+00  2.5773e+00]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
   2.8189     4.353     -8.8053     0.49059   13.532      3.8955
  -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
 -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
   6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
   4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
   4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
   4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
 -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
 -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
   0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
  -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
  -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
 -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
   0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
  -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
   1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
   6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
  -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
  -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
 -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
   4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
   2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
   6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
  10.083      7.6075     0.44114    7.9985    -4.4084     1.5468
 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
```

```
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
leverage [-4.6195e-01  1.2576e+00 -3.2445e+00  5.3575e+00  1.8192e+00  1.0398e+00
 -1.3387e+00  6.0780e+00 -4.8812e+00 -8.6775e-01  5.9776e+00  1.8851e+00
 -4.6912e+00  5.1670e-01 -1.9529e+00  3.7128e+00  1.8759e+00 -6.2142e-01
 -1.0755e-01 -1.2595e-01  7.5947e-01  1.4298e+00 -2.1344e+00 -2.4895e+00
  6.7153e-01 -1.7251e+00  5.3562e-04 -1.9696e+00  5.6514e-02  2.0148e+00
  3.8273e+00  1.5867e+00 -1.9015e+00 -6.6084e-01  3.9035e-02 -1.2337e-01
  3.0988e+00  1.5794e+00  3.6277e+00  2.5609e+00 -1.8905e-01  2.4267e+00
 -9.6044e-01 -1.6246e-01 -2.8401e+00  1.6227e+00  3.4473e+00 -3.2847e+00
  2.2797e+00 -1.9572e+00  7.3962e-02  2.1069e-01 -5.0807e-01 -3.9195e+00
 -7.3551e-01  1.1582e+00 -3.0380e+00  3.2732e+00  2.0689e-01 -8.7722e-01
  3.3554e+00  3.5509e+00 -2.1888e-01 -4.0554e-01  5.5895e+00  2.7179e+00
 -2.2214e+00 -4.1051e+00 -4.5307e-01  4.5390e+00 -4.2874e-02 -2.2979e+00
  6.3634e-01  1.8006e+00 -2.8140e-01  2.0027e+00  7.5887e-01  1.0561e+00
 -1.7919e+00 -4.7937e-01 -3.3293e+00 -9.1961e-01  1.4288e+00  2.3782e+00
  2.7446e-01 -2.8490e+00 -5.2487e-01 -3.2142e+00 -5.6134e-01  3.5833e+00
 -1.3021e+00  9.4307e-01  6.4912e-02 -2.5508e+00  1.2590e+00 -6.0644e-01
 -3.3310e-01 -2.2520e+00  1.3848e+00  1.3213e+00  1.4220e+00 -1.7329e+00
  1.3537e+00  3.0558e+00 -1.6701e-01  6.5939e+00 -7.4484e-01 -3.8570e+00
 -7.8423e-01 -2.0577e+00  7.3286e-01  6.1700e-01 -5.2103e+00 -1.2444e-01
 -1.4177e-01  2.3977e+00 -5.5124e-01 -1.1969e+00 -1.3272e+00 -1.8720e+00
 -3.8653e+00 -1.7858e+00  4.3100e-01 -8.0431e-01  7.6919e-01 -1.5428e+00
 -2.4784e-01 -2.4335e+00  2.8879e+00 -3.7066e-01 -1.4303e+00 -2.9728e+00
  4.9934e+00  5.5509e-01 -7.6824e-02 -1.2144e+00  3.8378e-01  1.7035e-01
  6.4478e-01  4.5423e-01 -1.1973e+00 -9.8686e-01  2.9040e-01 -3.9701e-01
  1.4535e-01  4.5626e-01 -3.4692e+00  5.8445e-01  9.0846e-01  2.6850e+00
 -1.8268e+00  1.5607e+00  9.0764e-01  2.5985e+00 -1.4547e+00  1.1869e+00
  3.4386e+00  2.3027e+00  1.6930e+00 -1.3922e+00 -2.9418e-01  1.5842e+00
  1.0407e+00  1.1088e+00 -2.7705e+00 -1.2920e-01 -2.0559e+00 -1.0182e+00
  2.2316e+00 -1.9824e+00 -2.0679e+00 -3.2320e+00 -1.3601e+00  3.0954e-01
  1.6240e+00  2.4619e+00 -3.4726e+00 -1.4078e+00  1.0609e+00 -3.0585e+00
 -9.0483e-01  3.1487e+00  2.9005e+00  9.8892e-01 -2.2842e+00 -1.1638e+00
 -1.9369e+00 -1.3104e+00  3.9708e-01  3.8931e+00  3.1763e+00 -1.1945e+00
  1.0968e+00 -3.1751e+00  1.3188e+00  2.2963e+00 -2.1851e+00 -2.2614e+00
 -6.0281e-01 -2.4196e+00 -2.3283e+00 -1.7049e+00 -2.5274e+00  5.0970e-01
  3.7204e+00 -5.2340e-02 -4.8592e+00  1.2897e+00  2.5767e+00  2.0959e-01
 -8.9801e-01  1.9701e-01 -1.1397e+00  6.4095e-02  3.2459e+00  2.0746e+00
  3.0237e+00 -7.4792e+00 -3.1294e+00  1.7055e+00 -9.7795e-01  1.8782e+00
 -9.5984e-01 -2.2635e+00  4.1818e-01 -4.0814e+00  1.3269e+00  2.4827e+00
  1.8649e+00  9.9770e-01  1.6845e+00 -2.4549e+00 -4.1950e+00  1.8955e+00
```

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  2.6338e+00 -2.9413e-01  5.4172e-01  1.1803e+00  2.5321e+00  2.0630e+00
 -2.4951e+00 -2.6506e+00 -2.3855e+00  1.4212e+00 -2.5250e+00  2.7712e+00
 -2.4463e+00  3.4491e-03  1.7214e+00 -1.5738e+00 -7.5811e-01 -2.1363e+00
 -2.1728e+00 -6.9073e-01  1.0731e+00 -4.5783e+00  1.5676e+00 -2.3920e+00
  6.7767e-01  8.1497e-01 -1.9246e+00  2.6370e+00  1.9392e+00  4.3832e-01
  2.1467e+00 -1.7820e+00 -9.5588e-01  7.2592e-01  7.5452e-01 -1.8281e+00
 -5.7431e-01 -1.7023e+00  1.1605e+00  5.9743e-01 -3.3225e+00 -6.5806e+00
  2.4351e+00 -4.8855e+00 -2.0105e+00  1.1971e+00  3.3915e+00  2.6574e-01
 -1.1433e-01 -8.1427e-01  2.2227e+00  4.4479e-01  5.7111e-02  2.8801e+00
 -1.6065e+00 -1.3444e+00 -3.7708e+00 -9.3374e-01  1.1212e+00  1.3428e+00
  7.4765e-02  1.0370e+00  5.5385e-01 -7.4454e-01 -1.8526e-01  1.6219e+00]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
 -1.7196e+00  3.9313e+00  2.5888e+00  8.2825e-01  1.3177e+00  1.1566e+00
 -5.2680e-01 -5.3276e-01 -1.2835e+00 -2.4743e-01 -3.7231e+00 -4.5196e-01
 -3.3093e+00 -1.2523e+00 -3.0767e+00  8.5522e+00 -1.6251e+00 -5.5941e+00
  5.3161e-01  5.5142e-01 -5.0327e-01  1.8156e+00 -2.9011e+00 -1.8576e+00
  1.4638e+00 -5.4034e+00 -8.1768e-01 -2.0847e+00  1.6838e+00  1.6817e+00
 -6.3836e+00 -3.2180e+00  7.2152e+00  3.5279e+00 -2.3648e+00  4.0313e-01
 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
  8.8706e-01 -4.8168e+00 -7.4616e-01 -7.8736e-02 -7.9536e-01 -6.0894e+00
  2.7413e+00  2.1358e+00 -2.7505e+00 -1.1987e+00 -6.4908e+00  1.3424e+00
  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
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 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
 -2.0715e+00 -5.2312e-01  1.4389e+00 -5.0093e+00  4.3909e-01 -7.2692e+00
  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
 -2.5949e+00  1.4874e+00 -7.0560e+00 -1.6384e+00  2.9549e-03  6.3286e+00
  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
```

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  -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
benefits [-0.83935  -1.1218   -4.391     1.0188    2.969    -0.0156    1.4617
  5.741    -1.4422    2.197     4.8856   -2.5186   -4.2372   -0.44554
 -1.8929    1.5737    2.8386    2.0814   -1.0641    0.28385  -3.4889
  4.0256   -5.2623   -0.54176  -2.4233   -1.5068    0.032048  2.7793
 -0.15778   3.6888    1.6895   -0.034426 -2.9545    0.71946   3.689
  1.157     3.3505    0.9562    3.2198   -0.68963  -0.14398   1.1961
 -0.72872   5.427    -3.9405    6.6845    4.7734   -3.3387    0.79688
  1.0445    2.4233    0.80636  -0.99882  -4.7012   -0.30858   0.50579
 -1.5063    4.7442    0.44477  -1.3784    5.8478    4.1086    0.68547
 -6.0183    1.8775    1.6859   -2.7219   -6.4789    1.6398    1.3764
 -2.6016    1.9669   -3.1953   -1.9104   -0.70965   2.7873   -2.2732
  2.2061   -3.71     -1.4422   -3.3109    0.93892   2.512    -1.4318
 -2.1209    1.9395   -5.6062   -4.2071    2.7814    0.96367   3.1335
  2.4098    1.4561   -4.6937    1.5036    0.71543   0.4095   -6.3295
  1.7704    4.6735    2.8799   -2.6182    2.1646    2.9587   -0.62575
  6.7007   -3.6821   -6.5185   -4.4211   -1.7485    5.7397   -0.48768
 -0.098151 -3.9838    0.24125   4.5242   -1.0561   -4.1761    2.9962
  1.246    -2.7297    2.604    -2.378     1.2633   -1.816    -1.7454
  0.77512  -2.8633    1.8474   -2.8659   -4.1453    0.13384   5.3556
 -0.65537   2.7122   -3.9458   -2.1187    0.74552   3.027    -0.26846
  0.06163  -3.3354    2.5507    1.5812    0.73639   1.3328   -4.7798
 -1.1649    0.94349   0.47688  -0.76011   3.1152    3.1825    1.6973
 -1.1422    1.8683    3.7677   -0.099117 -0.013513 -4.0601   -2.8197
 -0.33431   0.076956  0.37477  -0.59917  -4.5289   -4.9493    2.3571
  3.8839   -3.4186   -3.1688   -4.8529   -1.1344    2.1634    5.5623
  1.7441   -3.074     2.2241    1.2811   -4.246    -2.5386    3.1689
  5.653    -3.4517   -2.6605    0.52061  -1.5692   -2.2529    0.67408
  6.9946   -0.33816   0.54392   0.70875  -2.7555   -0.17412  -0.99577
 -3.0199    2.5328   -1.0575   -0.66489  -2.7878   -0.073394 -3.3117
  0.44174   4.3223    1.349    -5.1035    3.2265   -1.3972    0.14153
  0.52437   2.1464    0.12191   1.3671   -1.4572    5.8509    4.3794
 -7.6518   -2.1684    4.9056    1.4807   -1.809     1.5504   -2.9889
  0.98488  -1.9979   -3.7595   -2.049    -0.26256   1.8175    3.4175
 -3.3525   -0.073659  0.52284   1.8467    2.0913    1.5585    4.9763
  3.498     0.078035 -2.9395   -0.98942   1.4673   -1.3302   -0.70615
  2.3608   -1.7471    0.86154  -0.042345 -1.395    -2.3036   -0.86423
 -2.0477   -2.7037    1.8321   -2.3172   -3.4642    3.1799    0.085808
  3.2396   -3.0368    3.3069    3.2276    2.4031    0.84102  -0.5206
 -1.2765    0.88525  -1.6908    2.1976   -2.133     4.1978    1.4159
 -0.56303   1.7559   -3.3472   -0.93725  -1.9353   -1.1605    1.1677
  3.6001   -1.4749    0.81594  -2.7036   -0.13702  -1.6239    0.056559
  2.4444   -2.3579   -0.4435   -0.32863  -3.6021    1.2385   -0.49115
  0.36242   3.6488    1.8214   -3.1509   -0.16556   1.6399  ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
 -1.1343e+00  2.9908e-01 -8.3119e+00 -1.2927e-01 -4.7398e-01  2.7306e+00
  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
```

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  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
manage [ 2.3461    1.8092   -3.2654   -1.5861    1.4382    0.076904 -3.1125
  3.9431   -2.2458   -1.52      2.3384    7.5582   -3.1937    3.0703
 -1.63      0.39269   1.3996   -3.3247   -1.3423   -0.67674   1.4784
  2.0732   -0.89757   2.4972    0.82971  -2.0672   -2.4689    1.5963
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 -0.30763   0.88615   4.9223    3.7961    1.545     3.0464    3.4842
 -0.88553  -2.7969   -3.4567    1.5722    3.1434   -6.8561    0.29534
 -1.7237    1.223    -0.33795   1.4642   -6.8138   -4.7545    0.55788
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  1.0599    0.54772   3.3559   -0.074242 -1.0055    3.3156   -0.21858
  7.1331   -1.836    -3.0038   -1.9615   -2.1334    3.3596   -1.9773
 -5.0324    1.2775   -0.018868  4.9986   -3.2079   -2.1011    1.0854
  0.3018   -5.4136   -2.1573   -3.4074   -0.47553   1.3093   -1.332
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  0.59641  -1.494     0.58438   2.5311    2.174    -2.2792   -3.4279
  0.58557  -0.2332    1.7238    0.15504  -0.55708   3.8224    0.53666
 -4.4425   -4.1579    2.2076    1.5967    0.73003  -1.6125   -3.3213
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  0.72576  -3.077     1.5702   -0.81954   5.502     0.97864   1.0419
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 -0.94625  -1.9803   -0.15644   2.0486   -0.95808   2.4842   -0.25468
 -5.3567   -0.89921   4.0688   -4.3526    5.5192   -2.5158   -0.043698
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 -3.2894   -0.89575   3.3623    2.1304    0.22007  -1.4996   -2.8786
  1.5984    2.8284   -3.0437    0.77927  -4.503    -0.72909  -3.8014
  4.0052   -4.038    -2.5587    0.079182  2.2452   -0.91189  -2.6622
 -3.4814   -1.045     2.598    -7.5252    4.8155   -3.4056    0.45683
  0.96236  -1.4018    3.8516   -1.0774   -1.3702    1.3904   -1.4966
  1.7221   -0.045466 -1.3331   -1.6535    2.4129   -0.46132   0.37102
  3.428    -0.30855  -4.2998    1.2332   -5.254    -4.8406    3.6442
  0.4992    0.3161    0.42775  -1.4182    2.3723   -1.8701   -0.71799
  4.5413   -2.3902   -5.9616   -1.5077    1.1614   -5.1502    0.97964
 -1.0735   -1.0666   -1.7011   -2.8923    1.6223    2.2609  ]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
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  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
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   0.05724   -0.77621   -5.4445    -0.74509    4.6274     0.072768
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   2.297      6.5101    -0.28137    3.3692    -0.31221    3.878
   0.41619   -0.33523  -11.731      4.009      4.4615    -5.4418
   1.3838     3.2368     3.8147    -3.8885    -2.016     -8.414
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  -2.292     -1.1991    -0.66393    4.6421     6.3655    -1.8238
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   3.401     -5.1785    -0.67592   -4.5038     2.129     -1.1164
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  -2.9257     1.981      2.5291     3.38       0.39591   -1.9889
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  -0.2496    -4.5885    -3.1794     0.20278    4.5072     2.1333
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  -3.7993    -4.5356     4.9342    -7.8882     0.63173   -1.1697
  -0.85496    5.1799    -4.1163     7.9518     8.8833     2.0014
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  -0.26135   -0.095878   2.9263    -1.7011     2.0764    -1.258
  -2.5308    -2.5053    -3.9754     0.96577    2.7934    -3.7664
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  -5.2375    -1.7475     1.4425    -7.1272     6.2059    -0.10609
  -3.0941    -2.0173     3.6789    -2.6698    -1.5317     4.184   ]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
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  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
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  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
   7.0022    -0.21949   -2.4844     8.2987    -1.7999     4.5687
 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
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  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
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  1.3381e+00  2.4634e+00  1.3622e+00  1.1502e+00 -2.2300e-01 -2.6787e+00
  2.0938e-01  8.7649e-01 -4.3431e+00  2.2677e+00  2.6198e+00 -2.6482e-01
  1.1517e+00 -5.7769e-01  7.6359e-01  5.1000e+00 -1.6648e+00 -3.4161e+00
 -2.1321e+00  5.8056e-01 -3.9878e+00  2.4568e+00  5.1045e-01 -3.1781e+00
  1.7596e+00  1.7600e+00 -5.5490e-01 -2.5919e+00  4.8190e+00  3.2296e+00
 -4.1419e+00 -3.6658e+00  1.3309e+00  4.3921e+00  1.3774e-02 -6.6680e-01
 -2.6318e+00  1.0872e+00 -1.1016e+00  1.7633e+00 -1.9583e+00  2.7424e+00
```

```
 -9.0571e-01  2.0663e+00 -5.8313e+00 -1.8064e+00  8.3676e-01  2.5256e+00
  1.3734e+00  6.1011e-01 -3.4854e-02 -3.2059e+00  2.1312e-01  1.0348e+00
 -1.7728e+00  1.5771e+00  1.3914e+00 -3.4427e+00 -8.5154e-01 -1.5799e+00
  4.9245e-01  1.1227e+00  1.0814e+00  1.2687e+00  2.1322e+00 -9.5872e-01
  5.2747e+00  2.9449e+00 -1.0553e+00  8.0465e+00 -6.3377e-01 -3.0067e+00
  1.1530e+00 -2.7820e+00  3.5045e+00  2.0095e+00 -3.1816e+00 -3.2406e-01
  8.4935e-01  2.9001e+00 -4.4706e+00 -6.5273e-01 -6.5546e-01 -2.0133e+00
 -4.9258e+00 -1.3395e+00  6.0094e-01  4.5152e-01 -1.2116e+00 -3.8611e+00
 -1.3486e+00 -5.5210e+00  6.2790e-01  7.0224e-01 -1.2656e-01  3.6551e-01
  4.4114e+00  3.6886e+00  8.5419e-02 -8.2156e-02 -2.7906e+00 -1.1384e+00
  2.9474e+00 -1.3567e+00  1.8192e+00  3.9583e-01 -1.6290e+00  3.8014e+00
  5.2929e-01 -1.8502e+00 -4.2834e+00 -1.2801e+00  3.3564e+00  4.3776e+00
 -1.5135e+00  3.0662e+00  1.9705e+00  3.6757e+00  3.0294e-01  9.4029e-01
  1.8815e+00 -9.4217e-02  1.1378e-01 -4.0276e+00 -1.6635e-02 -7.6900e-02
  2.0080e+00  4.8105e-01 -2.3214e+00 -2.2797e+00 -1.3172e+00 -1.4703e+00
  5.8870e-01  5.9402e-02  1.7048e-01 -9.9535e-01  4.2659e-01 -2.6281e+00
 -6.8877e-02  3.3906e+00  9.1576e-01  2.6937e+00 -4.3354e+00 -3.9554e-01
 -2.7797e+00 -1.5797e-01  1.1437e+00 -3.1430e+00 -2.9949e+00  1.6440e+00
 -1.2926e+00  7.9094e-01  2.8738e-01  1.8773e+00  5.1636e-01 -2.2580e+00
 -2.2079e+00 -2.1702e+00  2.0213e+00  2.0112e+00 -6.1938e+00 -2.9588e+00
 -6.4614e-01 -9.3179e-01  8.7823e-01 -2.3108e+00  7.4600e-01 -2.7974e+00
  4.9470e+00  3.7800e+00 -6.8860e+00  2.0046e+00  2.8269e+00 -2.5207e+00
  1.3407e+00  5.4948e-01  1.3802e+00 -1.0048e+00  8.7440e-01  1.7631e+00
  3.5726e+00 -6.1790e+00  1.5655e-01  1.5149e+00 -3.0151e+00  5.0783e+00
  1.9029e+00 -4.2653e+00 -3.6981e-01 -8.7842e-01  2.1662e+00  2.4381e+00
  4.0598e+00 -8.1186e-02  3.5610e+00 -2.2300e+00 -1.9004e+00  4.6650e+00
  3.3296e+00  1.3731e+00  1.4270e-01  1.2133e+00 -6.8153e-03  1.2441e+00
 -9.2944e-01 -1.9120e+00 -1.5662e+00  1.8290e+00  1.0767e+00  1.3228e+00
 -4.5488e+00  4.5361e-01  1.8181e+00  1.8150e+00  2.4578e+00 -2.5893e+00
 -6.4450e+00  7.0302e-01 -8.4223e-01 -3.6326e+00  3.1321e+00 -1.0282e+00
  4.7426e-02  2.8925e+00 -7.2252e-01  6.9645e+00  3.4112e+00  4.7661e+00
  2.7605e+00 -1.2996e+00 -1.4081e+00  3.9949e+00  5.2066e-01 -2.2008e-02
  2.7261e+00 -2.5921e+00  8.9375e-01 -7.2451e-01  1.5364e+00  4.7203e-01
  1.2604e+00 -3.4024e+00  8.7527e-01  1.4970e+00  3.1531e+00  7.2801e-01
  2.4933e+00  1.3117e+00 -1.6021e+00 -1.5873e+00 -2.4014e-01  2.5251e+00
 -2.3462e+00 -6.7706e-01  3.1598e-01  7.2715e-01 -2.8527e+00 -2.6802e+00
  1.6482e-01  1.1626e+00  2.8710e-02 -3.3676e+00 -2.1764e+00  8.5218e-01]
AI [ 6.1869e-01  1.2587e+01  1.6028e+01  4.7017e+00 -3.5819e+00  4.6631e+00
  6.1646e-01  4.0545e+00 -9.9546e+00 -3.0884e+00  5.9248e+00  7.2768e-01
 -9.9323e+00  3.8500e+00  5.5162e-01  6.4762e+00  1.6270e+01  2.8287e-01
 -1.9891e-01 -6.8024e-01  5.6872e+00  2.3320e+00 -5.1827e+00 -1.1052e+01
 -9.0753e+00 -7.7140e+00  5.2942e+00 -8.4062e+00  3.5339e+00  5.7073e+00
 -3.5595e+00  6.4748e-02  5.0286e-05  2.2772e+00  1.5312e+00 -1.2104e+01
  1.1697e+01  3.1172e+00  1.2409e+01 -2.9225e+00  3.4033e-01  4.2832e+00
 -9.8264e+00  4.0640e+00 -1.1671e+01 -9.8510e+00 -1.3919e+00 -5.3706e+00
  4.8537e+00 -1.1858e+01  7.3015e+00 -4.7101e+00  4.7406e+00 -4.4613e+00
 -3.8255e+00  6.2826e+00 -5.2355e+00  6.5506e+00  2.7690e+00  2.8569e+00
  9.0748e+00  1.7618e+01  2.7549e-01  7.1337e+00  4.9903e+00  9.7100e+00
 -4.6798e+00 -2.0915e+01  1.8226e+00  3.6946e+00  8.4655e-01  9.6267e+00
  1.0280e+01 -1.6060e-01 -8.3087e+00 -5.3565e+00 -1.8751e+00  1.1825e+00
  1.9157e+00 -6.2487e+00 -4.8719e+00 -7.5480e+00 -6.7414e-01  7.9720e+00
 -7.5165e+00 -6.5828e+00  5.3038e+00  5.1822e+00 -8.9691e+00  3.4030e+00
 -1.2262e+01 -3.7011e+00 -6.2159e-01  4.0970e+00 -1.0730e+01  1.0047e+00
 -2.2405e+00 -8.8812e+00  1.0971e+01 -7.6840e-01  4.7883e+00  1.9104e+00
  1.9301e+00  4.4811e+00 -7.9643e+00  1.2262e+00 -1.0377e+00  6.2550e+00
  5.8459e-01  9.8552e+00  4.8381e+00  3.2218e+00 -2.4746e+00  8.7936e+00
  7.1575e+00 -6.5542e+00 -8.5722e+00 -4.8591e+00 -3.7189e+00 -9.9886e+00
 -8.7317e+00 -4.0756e+00  6.8521e+00 -6.6975e+00  9.1205e+00  6.2413e+00
 -4.4696e+00 -1.4248e+01  8.3713e+00 -1.0585e+01  3.8070e-01 -6.5295e+00
 -4.0996e+00  5.4522e+00 -6.6194e+00  1.7675e+00 -8.2127e+00  8.9192e-01
```

```
  5.7818e+00  4.3325e+00  1.4043e+00 -5.5234e+00 -6.3650e+00 -6.8365e+00
  2.3017e+00  1.3511e-01 -4.0662e+00  1.0531e+01  3.6353e-01  4.0413e+00
  5.6114e+00  9.9294e+00 -1.0425e+00 -2.5208e+00 -7.1279e+00 -3.3542e+00
  4.9536e+00  1.2797e+01  1.0166e+00  2.4799e+00  5.1036e+00  7.2470e+00
 -9.9900e+00 -3.4104e+00 -1.3032e+01 -4.2529e-01  1.5566e+00 -1.0857e+00
 -5.4087e-02 -2.0184e+00 -1.6324e+01 -5.0229e+00  1.4560e+00  4.0786e+00
  7.5318e+00  8.1921e+00 -1.2861e+01 -1.0000e+01  2.2295e-01 -6.4354e+00
 -1.3453e+01  1.2180e+00 -3.4212e-01 -2.1673e+00 -5.1843e+00  2.3981e+00
 -1.3361e+01 -1.1202e+01  4.3066e+00 -1.9320e+00 -3.5340e+00 -6.7263e-01
  7.2503e+00 -2.6175e+00 -1.0332e+01  9.5351e+00 -1.9536e+00 -2.1589e+00
  4.1719e+00 -6.5738e+00 -3.8183e+00 -5.4860e-01  6.6968e+00  2.0548e+00
  4.9236e-01  6.6728e+00 -1.3769e+01 -5.5718e+00  4.2226e+00  3.4052e+00
  3.7925e+00 -2.0371e-01 -4.8056e+00  1.1788e+01  2.2889e+00 -2.4310e-01
  1.0594e+01 -2.9798e+00 -1.8216e+00  2.1321e+00  2.8489e+00  8.1826e+00
 -3.1943e+00  2.8376e+00  3.4878e+00  3.5447e+00  1.3266e+01 -6.0662e+00
 -5.7170e+00 -6.8546e+00  7.8203e+00 -8.7235e+00 -1.3889e+01  1.1658e+01
  3.9012e+00 -7.6192e+00  1.4262e-01 -5.9428e+00  1.3250e+01  1.0503e+01
 -5.1350e+00 -7.4934e+00 -7.6498e+00 -4.0699e+00 -2.4231e+00  2.1544e+00
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 -2.2441e+00 -5.6063e+00 -1.5498e+01 -2.0045e+00  1.5664e+01 -7.4311e+00
  3.9726e+00  5.8759e+00 -6.4068e+00 -4.3795e+00  6.9033e+00  6.0715e+00
 -9.1670e+00  4.0623e+00 -2.4536e+00  3.5149e+00  4.1275e+00 -1.9892e-01
  3.8086e-01 -9.1766e+00 -3.0350e+00  7.9691e-01  1.2410e+01 -1.5997e+01
  9.0336e+00 -3.3896e+00 -2.6887e+00 -1.5902e+00  5.3990e+00 -2.7479e+00
  4.2514e+00  5.8082e+00  2.1605e+00 -2.5151e-01  6.9045e+00  5.9154e+00
  1.3823e-01 -1.6145e+00 -2.4693e+00 -6.9598e+00 -3.3928e+00  6.1097e-01
  7.1376e+00 -4.2737e+00  5.1006e+00 -9.4068e+00  1.0899e+00  1.8832e+01]
capabilities [ 2.1730e+00  2.0408e+00 -2.6256e+00  2.3428e+00  4.0259e+00  1.4443e+00
 -1.1730e+00  5.3433e+00 -3.5675e+00 -1.3195e+00  6.5795e+00  2.6434e+00
 -5.5919e+00  3.2852e+00  2.6335e-01  3.1051e+00  3.8433e+00  2.2476e+00
 -3.9535e+00  1.8605e-01  4.2006e+00  2.1495e+00 -3.7851e+00  1.1903e+00
  1.3325e+00 -1.8645e+00 -1.0536e+00 -3.3206e+00 -1.4340e+00  4.5873e-01
  2.0529e+00 -7.4423e-01  4.2749e-03  1.1913e-01  4.7288e-01  1.9732e-01
  2.1209e+00 -2.9574e-02  3.8815e+00  8.4110e-01  1.5507e+00  3.4515e-01
 -7.3110e-01 -7.6554e-01 -3.6980e+00  3.6784e+00  2.1399e+00 -2.6705e+00
  1.8920e-01 -3.0135e+00  1.2269e+00  2.1928e+00  1.5192e+00 -4.4271e+00
  1.8062e+00 -8.7198e-02 -3.5604e+00  4.5394e+00  1.6351e+00 -5.4279e+00
  2.8108e+00  3.6319e+00 -4.2186e+00 -2.1525e+00  3.3507e+00  3.5659e+00
 -2.7183e+00 -4.9574e+00 -2.8484e-01  1.1427e+00 -2.3624e+00  2.8560e+00
 -8.0727e-01  2.3978e+00 -8.9343e-01  2.2556e+00 -2.2002e+00  1.8142e+00
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 -4.1289e-01 -2.5974e+00 -8.1548e-01  2.6075e+00  2.1292e+00  1.2970e+00
  2.0066e+00  2.4204e+00  1.2375e+00  5.1540e+00 -6.2923e-01 -2.5920e+00
 -2.0151e+00 -1.8048e+00  4.3700e+00 -5.6871e-01 -4.1454e+00 -3.3054e-02
  7.9421e-01  1.6152e+00 -7.9000e-02 -4.8922e-01 -3.4205e-01 -2.3046e+00
 -3.5376e+00 -2.5035e+00 -1.5367e+00  4.0804e-01 -4.3303e-01 -3.2287e+00
  4.7319e-03 -5.1252e+00  3.6932e+00 -2.0502e+00 -4.1842e+00  1.4724e-01
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  4.2449e+00  1.2036e+00 -7.7075e-01 -2.1384e+00 -2.5176e+00  2.0463e-02
  1.2950e+00  2.2172e+00 -1.6960e+00 -2.3793e+00 -3.5627e+00  3.1160e-01
  2.5230e+00 -2.1713e+00 -3.5004e+00 -2.8479e+00 -4.3179e-01  3.8955e-01
  5.1317e+00  1.4083e+00  1.9447e+00 -5.6799e-01 -1.7029e+00 -1.7097e+00
 -8.2942e-01  2.9253e+00  6.8863e-01 -4.2990e+00 -1.0924e+00  1.2333e+00
 -3.2994e+00 -2.7410e-01  9.2423e-01  9.2354e-02  1.4493e+00 -8.7192e-01
  3.0447e+00 -1.8832e+00  2.5083e+00  5.2704e-01 -2.2850e+00 -2.6092e-01
```

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  1.2187e+00 -9.4024e-01 -2.4262e+00 -1.3215e+00  6.2497e-02  2.3776e-01
  4.1055e+00  7.8222e-01 -4.4253e+00  2.3791e+00 -9.3196e-01 -2.1663e+00
  2.1296e-01 -1.4390e+00 -1.7022e+00  1.7131e+00  9.3454e-01  3.3210e+00
  5.2353e+00 -7.6747e+00 -1.0723e+00  8.1590e-01 -3.1938e-01  2.7685e+00
  5.6692e-01 -8.6164e-01  9.7307e-01 -8.0923e-01 -8.0280e-01 -8.8441e-01
  1.0163e+00 -3.6665e+00  3.6425e+00 -2.5176e+00 -3.2026e+00  2.7031e-01
  4.5215e+00  7.1465e-01  8.4720e-01 -1.9936e+00  2.6194e+00  2.4632e+00
 -1.9174e+00 -2.2062e+00 -5.8822e-01  8.8096e-02 -4.6643e-01  8.1908e-01
 -2.0824e+00  2.9037e+00  7.4862e-01 -5.4118e-01  1.1012e+00 -7.2822e-01
 -3.4379e+00 -3.9517e+00 -3.7866e-01 -3.0721e+00  9.6379e-01 -1.3485e+00
 -7.3626e-01  1.4221e+00 -2.1509e+00  7.3042e+00  5.5352e+00  1.6472e+00
  7.3679e-01 -1.8564e+00 -5.4404e-02  2.5159e+00  1.1425e+00 -7.0373e-01
  1.9215e+00  2.0917e+00  2.5034e-01  8.5657e-01 -5.0742e-01 -3.7935e+00
  2.8932e+00 -5.1239e+00 -5.3063e-01 -1.3121e-01  5.0126e+00 -5.2415e-01
  3.8543e+00  3.6166e-01  3.3795e+00 -1.9578e-01  5.9555e-01  2.0067e+00
 -2.8008e+00  1.7973e+00  1.4738e-01  1.2074e+00 -1.5998e+00  1.0809e+00
 -2.3810e-01  7.8706e-01 -2.2451e-01 -1.3250e+00 -1.6841e+00  5.6533e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
 -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
 -2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
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  4.7620e+00  2.1546e+00 -3.0200e+00 -7.0219e+00 -8.2944e-01 -5.3118e-01
 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
  3.5856e+00 -4.0447e-01  1.6133e+00 -7.4164e-01  6.1202e-01 -5.8441e+00
 -4.8192e+00 -2.5541e+00  3.5740e+00 -1.9527e+00 -3.8085e+00 -7.0064e+00
  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
 -4.0386e+00 -2.5266e-01  2.0590e+00 -5.8959e+00  1.3721e+00 -2.1195e+00
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 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
large [  0.1461     0.14249   -1.0703     4.9461     4.548     -0.045589
   0.68434   11.17       2.212      0.3946     7.1267     4.9683
  -3.8074     3.446      2.4072     3.9904    -1.2473     2.4176
   2.8811    -3.4609    -1.5014     3.0831    -3.3356     1.4513
   0.69302   -2.015     -2.8329    -4.8632    -0.91891   -0.10473
  -1.2128    -1.0851    -1.7969    -5.7501    -3.8089    -6.8127
   2.0525     0.27913    2.2762     0.2932     2.9304     1.1093
   1.009      0.36559   -2.7335     1.9654    -0.46479   -0.98216
  -2.2408     4.7887    -0.38744    2.0715     0.42249   -2.2575
  -3.6327    -1.0375     0.54707    3.4792     6.4351    -2.7992
   0.14296   -0.054221   5.4176    -0.12402    4.2284    -0.71569
   1.4477    -0.42726    1.6489    -0.41928    0.48156   -3.6034
  -6.8822     3.8116    -2.3845    -3.7417    -4.4009    -0.11012
  -0.88915   -0.06513  -10.799     -0.11361    1.9908     6.7592
   6.0018     2.4266    -0.12843    1.3727     1.3206    -2.5023
  -4.1528    -1.8695     0.2303    -7.0213     2.4184    -1.819
   8.1661    -2.0895     0.4905     7.2003     1.9547     0.638
   1.4069     4.3386    -2.9226     2.9473     0.72702   -1.6225
   1.8092    -4.9998     0.60631    6.8462    -0.64185   -2.9888
  -1.0598     1.0919     3.1235    -0.40048    6.6825    -2.4137
  -2.5215    -0.24633   -1.0099     5.3933    -5.9422    -9.8285
  -2.7474    -2.2014     5.378      3.0387    -7.8199     6.5524
   7.1353     3.0559     4.4403     3.1092     0.95133   -5.0921
  -2.838     -2.0961    -1.3402     5.3434    -2.5991    -0.56511
   4.4869    -2.7398    -3.0428     1.6736     1.9784    -0.10305
  -2.557      3.3502    -0.67478    3.7945     6.4082    -0.97495
  -0.029559   0.26599   -0.74066   -3.1162    -1.585     -1.1274
   5.6959     2.4       -0.86368    4.7914    -1.3672     4.5797
   4.7382    -1.0742    -0.28352    0.95876   -1.2451     1.96
  -2.5655    -2.5405    -1.5582    -1.4459    -3.8588     0.16325
  -2.1994     1.4657    -8.1987    -1.4404    -5.665     -0.86259
  -0.83035    3.2634    -2.554      0.77386   -0.90199   -3.1249
  -0.30673    0.15135    3.9175     6.4957    -4.1809    -6.5898
   0.51387   -1.8676    -1.8662    -3.5622     1.6286     1.5747
   5.3328    -0.31774   -8.4468     5.1595     3.7676    -3.1855
   1.9957     4.2504    -2.16      -3.8765     2.1981     3.987
   6.5014    -6.8875    -7.2328     2.4718     0.035396   6.2622
  -2.2743    -7.3216    -3.762      0.53198   -1.9646     3.0247
   6.6449    -2.8473     8.0611     1.4558     3.5339     3.8343
  -2.2638     1.9917     2.2749    -5.0905     1.4443     1.2099
   2.0039     0.50511   -4.1555     3.5698    -3.65      -1.199
   1.8166    -0.12512    1.3389     1.3226     2.3685    -3.4276
  -8.5131     0.49145   -1.0261   -10.37       1.4742     0.89152
  -3.9073    -2.1836     2.7559    10.45       5.7831     0.055017
   3.245     -2.6049     1.7706     6.7408    -5.2665     0.64377
   3.4987    -0.59857    0.52904    1.6175    -0.37467   -4.1986
   1.7392     0.9242    -6.2227     3.7284     1.7476    -2.8985
   6.5795    -5.7616     1.7015    -3.4608    -1.0122     1.0393
  -3.4137    -1.0201    -5.2366    -1.1696    -1.2279     4.6998
  -4.7141     2.88       0.79019   -3.5631    -5.9937     1.2214  ]
language [-2.0524e+00 -1.7297e-01  5.4881e+00 -2.2487e+00  3.8744e+00  1.7210e+00
  3.7195e+00  8.2851e-01 -4.5968e+00  1.2240e-01  7.3505e+00  3.0065e+00
 -3.7734e+00  2.8848e+00 -4.5005e-01  1.7785e+00  4.9907e+00  2.0611e+00
```

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 -8.9234e-01  2.9950e+00 -4.5919e+00 -1.4416e+00 -1.2589e+00 -3.0764e-01
 -3.5483e-03 -3.6352e-01 -4.5514e-01 -1.7645e+00 -4.2797e+00 -9.9667e-01
 -1.6974e+00 -2.7807e+00 -4.6718e+00 -2.3883e+00 -2.1860e-01  1.2411e+00
 -3.8040e+00  8.2679e-01  2.2948e-01 -8.4829e-01  3.9533e-01  6.8698e-01
 -8.1235e-01  1.6014e+00 -2.3141e+00  1.1319e+00  1.4347e+00  1.0087e-01
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 -2.1743e+00 -2.8556e-01 -9.7018e-01 -1.7170e-01  4.2963e+00 -3.0425e+00
  2.2351e+00  8.4320e-01 -7.8258e-01  1.6570e+00  9.6863e-01  4.1105e+00
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 -3.4699e+00  1.6477e+00 -4.6150e+00 -2.7266e-01 -2.3127e+00 -2.9668e+00
  2.5397e+00  2.1437e+00  6.9329e-01 -3.1810e+00  3.4015e+00 -1.3384e+00
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  1.9453e+00  2.1903e+00  1.4868e-01  4.4290e+00  3.8894e+00 -1.4422e+00
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  2.0117e+00 -6.5592e-01 -2.4797e+00  5.5625e-01 -5.2891e-01 -7.2282e+00
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  4.0579e+00  1.8548e+00 -2.5059e+00  2.4372e+00 -5.1301e+00  1.9613e+00
  1.6069e-01 -4.0931e+00 -3.2265e+00 -1.3753e+00  7.0661e-01  3.2846e+00
  2.7922e+00  3.8113e-01  8.8257e-02 -1.6904e+00  1.5061e+00  2.5390e+00
 -1.5202e+00  3.5634e+00  1.9493e+00 -1.0961e+00 -4.8312e+00  4.2573e+00
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  9.2289e-01 -3.9426e+00  3.0963e+00 -3.3877e+00 -1.5822e+00 -3.7961e+00
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  2.2777e+00  4.6188e+00 -3.2310e+00  1.5473e+00 -1.9589e+00 -2.3276e-01
  5.0331e+00 -1.0772e+00 -2.0154e+00 -3.6745e-01  6.4979e-01 -2.2278e+00
 -3.6762e-01 -4.1478e+00 -1.9050e-01  2.8782e+00  1.2410e+00 -2.2906e-01
  1.9046e+00 -1.7389e+00  5.7570e-01 -1.3153e+00  6.1499e-01  3.1893e+00
  1.4851e+00  1.3497e+00 -2.3359e+00 -1.8355e-01  2.0134e+00 -1.5964e-01
  3.8461e+00 -1.7434e+00 -6.7022e-01 -1.3269e+00  5.0549e-02 -3.7057e+00
  7.5507e-01  4.9401e+00  3.3755e+00  2.1548e+00  1.9580e+00 -1.1923e+00
 -5.4389e+00  2.8553e+00  2.0290e-01  1.5224e+00  2.5951e+00  1.2767e+00
 -1.7394e-01 -7.9910e-01 -4.1495e-01  2.8595e+00  2.9735e+00 -5.0053e+00
 -3.7232e+00 -6.1024e-01 -1.9041e+00  1.3194e+00  2.8362e+00 -2.7444e+00
  4.2372e+00 -3.5444e+00 -4.6730e-01  3.9672e+00  1.3944e+00 -1.0923e+00
  2.4238e+00 -1.9693e-01 -7.4223e-01  2.3571e+00 -3.9629e+00 -4.3837e+00
  1.7027e+00  1.8448e-01  2.5662e+00 -1.5760e-01 -5.1331e-01  6.5507e-01
  3.3484e+00 -2.9145e+00 -3.6843e+00  1.4452e+00  2.4078e+00 -4.1283e-01
  3.6625e+00  3.3013e+00  3.1388e+00 -1.4719e-01  4.2171e+00 -1.8536e+00
 -7.3241e-01  1.8423e+00  3.8942e+00 -2.1255e+00 -6.9287e-01 -5.5587e+00
  2.1651e+00 -2.9281e+00  3.3830e+00 -1.5000e+00 -3.3329e+00  3.0823e+00]
models [-0.8336    4.0979   -2.3383    0.73237   4.5767   -0.68115   0.34969
  4.4632   -2.1676   -1.734     6.9952    0.3466   -6.9417    1.9359
 -0.55155   3.2332    3.8808    2.5709   -2.3113   -3.5094    1.5442
  3.3213   -6.8514   -1.0101   -0.91538  -2.3125    0.53885  -4.0458
 -0.32699   0.014213  2.1139    1.7955   -0.55609   0.46308  -2.713
 -2.4499    0.074712 -5.0057    1.2529    0.40893   0.099744 -3.4618
  0.47639   1.6079    0.2277    1.6121   -0.091026  0.057815  1.7081
 -4.4867    3.5841    5.8188    0.27254  -5.6839    0.97384  -1.4625
 -2.5632    0.86376   2.2524   -4.4184    2.8991    4.6334   -2.1943
  0.33444   3.2844   -0.46175  -3.4851   -7.9558    2.6123    2.9832
 -4.4554    4.1534   -1.9892   -1.9206   -0.69955   4.9631   -3.0025
 -2.6573   -2.9626   -2.7524   -5.7592   -1.637     1.7887    0.39416
 -1.4895   -7.1093   -0.69007  -2.1507    0.5381    0.67842  -4.4803
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  2.3107    3.8146   -4.9155   -2.274     3.4734    4.2406   -2.7502
  2.7164    4.2534    1.0786    0.060152  3.7164    1.3264   -2.3802
  4.9085   -2.6095    0.94277   0.94283  -2.9133    1.414     1.3646
 -2.151    -1.9941   -0.33125  -1.8242    0.06662   1.0577    2.9576
 -2.8504   -4.6929    0.13751   3.0015   -0.959    -4.8766   -0.48739
 -3.3476   -4.0871    2.4412   -1.417    -5.3203   -0.43177   2.5302
 -0.24307   0.37428  -1.5951   -2.6507   -1.5685   -0.81686   3.3702
  6.868    -1.1382   -2.3004    0.087578  1.4712    1.7712   -2.6128
 -4.2204    2.0587    6.0287    1.3152   -0.59217   1.2818   -0.075182
  2.5482    0.69365   0.70963   2.0058   -1.9786   -1.7671    0.30308
  0.29684   4.4665   -1.362    -6.8511   -1.9669   -6.4326    3.2249
  0.011537 -0.79812  -1.9125   -1.5043    0.078467  3.7633    2.6168
  4.3691   -0.9564   -0.89151  -5.5451   -1.7996   -0.96205   2.0395
  0.37123  -8.3717    1.6742    2.139    -1.9482   -1.1626   -1.3692
 -1.0443    3.2976    2.622     2.8856    1.9318    3.514     0.93062
 -3.3771    2.7317   -0.14327   1.4992   -1.3967   -5.2588    1.0116
  1.8133    3.3293    4.9357   -4.0813    1.0668    1.7314   -2.0069
  0.44445  -2.9297    1.5301    1.9795    1.7029    1.8321    0.58601
 -7.4168   -2.3733    0.11681  -0.50416   0.32819  -3.5484    1.9001
 -2.61     -0.59867   3.4426    4.7824    7.6743   -2.2633   -0.094867
  0.85439  -0.66536  -0.23527   0.96566   4.3649    0.67183  -1.8334
  8.1449    4.0974   -5.521    -2.8025   -3.0511    4.4157    3.8373
 -3.6313   -1.6558    3.3396   -0.87344   3.2749   -0.14528   1.7759
 -3.1324   -2.4014   -3.963    -1.2358    6.042     1.3051    1.2544
  1.1782   -4.8265    7.2408    2.581     5.6939    0.58602  -1.8383
  2.0737    2.7879   -0.76484  -0.52583   2.2718   -2.2959   -1.1642
 -0.41379  -1.2046   -3.1385   -0.74541   1.2013   -6.6257   -1.8389
  7.5487   -0.81325   6.3479   -0.061151  5.8055    2.1002   -2.634
  2.1544   -4.0589    2.5912    1.8434    0.71932   1.9709   -1.4576
  2.2223    0.49599   1.9605   -3.2088   -1.3332   -0.21678 ]
across [ 2.2639    3.1342   -5.7406    3.2792    4.916     4.4434   -0.71786
  7.9614    1.965     3.8375    1.1107    0.062414 -5.111     3.8572
  5.5174    1.9079   -5.1073    0.55822   1.4715    0.059739  0.11021
 -1.5413   -0.59084  -1.0435    0.74367  -2.4863   -2.7925   -4.7106
 -1.2551    0.463     0.83434  -0.3673   -3.4428   -7.0064    1.1117
 -7.3562   -4.3448    2.6427   -0.22005  -1.2921    2.726     0.32943
 -1.729    -3.99     -1.4328    6.2273   -2.1563   -2.6544    0.35579
  0.83733   1.8949    0.67689  -0.84023  -4.2957    1.5042   -5.6772
 -0.59839   5.2964   -0.11538  -0.73255  -2.4336    3.1123    0.61746
  0.86063   0.98673   4.4963   -3.9319    5.7765   -0.9328    2.0466
  0.40546  -1.1568   -3.098     3.8693    1.1959   -1.804     0.1161
  2.0829   -3.049     1.0866   -3.3009    0.049688  2.4169    0.86234
  4.3186   -1.1085   -1.3688   -2.        0.89328  -2.1664   -2.8606
 -0.86218  -1.9782   -1.664    -2.168    -0.85644   6.4791   -3.8221
  0.82015   4.2122    3.6285   -2.1146    1.3996    0.12479   1.8776
  6.7883    4.7331   -6.1703   -2.6827   -3.3153    0.58216   1.3615
 -5.8886   -0.17261   2.0978   -2.4722   -0.64869  -5.2089    0.16487
 -4.592    -2.725     1.5859    0.39084   2.7737   -1.108    -4.197
  0.59154   1.1475    6.5901    1.0113   -3.8479   -0.47754   5.9673
  5.0171    1.659     1.5345   -7.882     4.3824   -2.2239   -1.8567
 -3.576    -2.1145   -3.8372   -5.0739    1.6296    2.7938   -5.1058
  3.9901    0.073509  6.2184    4.0272    2.5765    1.2915    0.60105
 -4.976    -5.5724   -1.0158    0.87195  -2.3157   -0.23157   2.0788
 -2.0644    0.52732   9.5668   -3.9607   -1.7394   -0.758    -1.9579
  2.1413    2.5755   -1.8096   -0.5477    1.3628    0.26348  -1.9787
  0.83647  -2.9333   -3.3429   -3.4965   -5.5289   -2.3975    0.68724
 -3.7768    0.82533   1.6395    0.20519   3.3311    6.1325    0.85087
 -0.24809  -1.561    -4.4656   -0.29453  -4.6694   -3.7262    0.57433
 -2.4603   -0.26532  -2.0826    2.2251   -4.3605   -3.0378    1.7157
 -1.707     8.2625    1.2305   -6.1299    1.177     1.2341    1.3095
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 -0.88823  -2.1202    2.2522    2.6132    6.4438    4.6643    4.969
  0.96856   1.9823   -3.095     4.6284   -3.5121    0.2714   -1.3263
 -0.34773  -4.9583   -0.86475  -2.1121   -0.81582  -0.85999  -1.7851
  1.4216   -4.8337    1.2607   -0.55684   3.1783   -2.6614    0.24015
 -8.5934    0.69214  -1.6342   -4.597     1.9878    2.6148   -1.634
  0.080856  5.2369    8.4485    2.7079   -1.4307    6.9135   -4.8308
 -5.8306    1.8262    2.3551    3.5908    1.8135   -1.1806    3.7502
 -5.388    -0.97245  -3.0939    1.7017   -2.3312   -2.5656   -1.8793
  4.3613    2.6121    0.80981  -0.55249  -6.9493   -0.23835  -1.5758
 -0.013085  3.9766    0.83983  -3.0825    2.8043   -0.51304  -1.4875
  1.377     4.3407   -3.4417   -2.2481   -1.4083    4.7129  ]
multiple [-1.9999   -0.82443  -1.616     4.322     4.995     2.0918   -0.30946
  8.2154   -3.012    -1.1135    5.6613    2.7693   -4.7815    1.7273
  3.1158    2.0515    0.80302  -0.15678  -3.9301    0.90746   0.44578
 -0.23213  -1.0313   -2.811    -1.2876   -1.987    -3.8345   -1.3473
  0.1159    0.39091   5.5348    1.7349   -2.282    -1.2855    0.53659
 -3.2937   -0.86115  -0.26246   3.325     2.7309    4.9682   -0.65931
 -2.648    -0.74239  -0.79951   1.6956   -1.0015   -3.6957   -0.85536
  2.6899    0.64166   2.0838   -0.69261  -2.0458   -6.2149    1.0791
 -0.14915   3.3871    0.75688  -1.0716    0.49381   1.6681   -2.1941
  1.7228    4.5138    3.8738   -2.5554   -2.8392    0.53409   0.89983
 -0.46691   0.019337 -2.7891    1.3705    0.31243  -0.47557   0.79053
 -2.4068   -3.9054    3.2507   -3.0624   -0.16971  -0.99838   3.7893
  3.4846   -3.3998    0.51131  -0.64266  -1.1304    1.7932   -2.1222
  4.802     0.8762   -0.27627  -2.0253   -0.66046   4.3959    0.12593
  0.12902   3.149     2.7683    1.3076   -1.7069    1.8034   -0.23177
  7.148     0.034827 -4.8704   -0.87515  -3.0452    3.174     1.7535
 -0.11519  -0.26581  -2.0435    3.0412    0.11782   0.72914  -1.4325
 -2.2755   -4.3233   -2.6322   -0.21065   2.1145   -0.92387  -7.3662
 -0.39014  -2.0685    1.6057    0.9426   -1.9943   -2.3711    1.127
  1.8979   -2.8511    2.5873   -1.3869    1.568     0.67387  -2.3886
  2.0645    2.2625   -1.6386   -3.0323   -1.4378   -1.3118   -0.51535
  0.60488   3.7989    1.8554    3.3694    2.8519   -1.836     0.35991
 -1.0058   -4.5613    0.339     4.4921   -1.1281    1.8095   -0.85085
 -0.62093   1.48      2.3345    0.41694  -1.0739   -0.74536  -0.32781
  2.4962   -0.37118  -0.13866  -0.20257   3.0387    2.1041    4.8846
  1.5375   -1.9747   -0.026222 -1.657    -2.5562   -0.90982  -0.14315
 -1.2303   -0.45975  -1.3853    1.9263   -4.5113    0.44789  -1.7953
  2.4404   -1.4098   -2.9714    3.3876    2.4171    2.0943    5.9689
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 -4.8402    5.4645    1.5126   -2.2213    1.8834    1.9169   -1.2338
 -0.04298   2.3855   -0.94015  -1.0833    0.69103   2.1045    3.8243
 -4.1988   -1.0392    1.3044   -3.2956    6.0083   -3.4436    1.5996
 -0.25543  -3.1837   -0.76817   2.9041    1.537     0.16544   1.57
 -1.1619   -0.37401   3.7046    6.2618   -1.3511   -1.0508    4.1029
  1.414    -0.11333  -2.3758    0.54697  -2.9869    0.59818   0.46484
  3.7427   -0.82226  -1.6198    1.6998    1.1116    0.90439  -3.0024
 -4.9634    2.2804    0.012252 -0.94802   1.764    -1.9507    0.40602
 -0.021991 -0.97441   2.5387    0.62192  -1.8674    1.0737   -3.0462
 -1.6482    4.7934    1.6889    0.65588   1.7421   -5.3836    0.88783
 -0.29395  -2.9683   -1.8019    0.9523    0.64885  -5.502     1.4303
  3.6352    0.33285   1.971     1.2251   -3.2656   -2.3942   -0.74443
  4.193    -1.8796   -0.2053   -0.69398  -3.1533    2.003    -0.80365
 -0.65907   0.84097  -0.19543  -2.4985    1.1174    0.094989]
mission [ 2.6321    2.2471   -0.43209  -0.8129    3.7058    2.219     2.2066
  0.11984  -0.40377  -0.98024   7.5054   -0.30307  -3.2735    4.6863
  0.51947   0.54859   0.46511   3.0195   -3.996     1.5247    3.3065
 -2.3254   -1.1463    3.191     1.1639   -0.3627   -4.7644   -3.3893
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 -2.529    -1.0525   -2.4311   -0.58544   0.47414  -1.7265   -1.1692
  0.028536  1.9873   -5.8158   -0.88669   1.1773   -4.253    -1.4668
 -4.4872    1.3573   -0.88881  -0.68982  -3.4128    2.0475    0.92997
 -1.6539   -3.1244    0.43563  -2.3529    0.54788   0.20106  -2.2305
 -1.3975    6.6967    4.8765   -2.962    -5.7354    3.1203    3.0267
  0.10075   1.6837    0.81874   2.7153    0.18317   1.7418   -0.038013
  4.4913   -1.6095   -3.651    -4.2254    0.32875  -0.89574   3.8858
 -0.21834   1.8825   -2.9676   -4.4468    3.957    -0.88777   0.72308
  1.3386   -0.1328   -2.714     0.88943   1.1304    0.036975  1.9646
  0.039737  1.1964    7.3681   -0.64695   2.3601    2.297    -2.5446
  2.1181    2.9582   -1.9935    2.6964   -5.9054    4.6635    0.2508
  0.46064  -0.19265  -0.3984    2.2629   -1.8602   -0.8201    1.1168
 -3.9689   -2.8806   -4.6032    3.4251    1.4366   -0.28623  -3.3139
  6.27     -4.2553    4.5411   -2.6869   -4.383    -0.63358   4.9171
 -1.649    -1.4575    0.58462  -0.22181   1.6035    2.3489    0.5898
 -2.931    -2.1015   -0.35629   3.5093    7.2553    2.4762   -7.386
  1.6814   -2.3176    4.4131    2.738     1.1688   -3.5458   -2.6176
  0.067527  3.684     6.3986   -2.2418    1.4058   -3.2551   -2.6224
 -3.5752    0.26989   3.0726    0.59428  -3.2126   -1.5997   -1.8125
  3.2386   -3.8815   -2.308     0.94304   2.0271   -0.21302   2.395
  1.3868    3.0576   -1.412    -5.6146   -2.3405   -5.6468    2.8395
  0.90396   2.3233    2.1406    2.9135   -4.5793   -2.954     3.3807
  1.1362    1.8867   -4.4447   -2.2137   -1.7196    2.2914    0.46961
 -2.0855    0.0605   -1.3536    3.4944   -0.033701 -3.382    -1.962
  0.38417   1.7175   -0.70961  -2.0402    1.0046   -3.7148   -0.34211
  2.068     0.7575   -2.4242    4.4718   -0.37254   0.31055   3.7041
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 -2.7861   -2.1306    0.51273   0.15406   0.17419  -2.2397    3.654
 -2.0136   -4.0686    1.3713    3.205     0.030979 -3.9188   -3.4785
 -2.6189   -1.0481   -1.867    -3.283    -0.22959   0.54154   0.36719
  1.4219   -1.0046    1.5168    2.3721    2.658     1.3312   -6.9569
 -0.17596  -3.7201    1.4942   -2.9344   -0.38925  -4.3913   -3.271
  2.1008   -1.784     5.359     7.4801    4.8054    0.86282  -2.2535
  0.39245   2.5644   -1.48     -0.2069   -4.1572    4.676    -0.97623
 -1.5274    2.1616   -0.79607   2.4471   -5.883     0.338     4.0497
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  1.6778   -4.6392   -2.5928    4.9475    1.2869   -5.2729    2.0376
 -2.2968    0.58046   1.2605   -5.5216   -3.3142    4.6117  ]
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 -2.2295e+00 -5.6448e+00 -1.5573e-01  2.0362e+00 -7.4121e-01 -3.3483e+00
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 -4.5468e+00 -3.7018e+00 -5.8597e-01  6.3986e-01  2.1645e-01 -1.0181e-01
 -1.5800e+00  4.2043e+00 -4.1367e+00 -6.9005e+00  5.4540e-01  1.6051e+00]
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
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  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
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  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
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   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
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  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
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   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
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   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
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  1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
 -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
  7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
  2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
  0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
 -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
 -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
  4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
  6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
 -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
 -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
 -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
  3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
  2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
  0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
  8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
  6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
 -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
 -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
including [-2.9074e+00 -5.5050e+00  3.6127e-01  5.5051e-01  7.1073e+00  1.5357e+00
  3.7143e-01  5.9893e+00  2.8439e+00 -2.2577e+00  9.0081e-01  2.4622e+00
 -6.8111e+00  4.1351e-01  4.1549e+00  2.9370e+00  1.1973e+00  3.1815e+00
 -1.4231e+00 -1.5912e+00 -1.5315e+00 -1.4107e+00 -1.9448e+00  3.8136e+00
  2.2885e+00 -1.2892e+00 -1.3056e+00 -1.6602e+00 -2.5618e-01 -3.9763e+00
  3.8738e-01  5.7630e-01 -7.1352e-01 -2.7401e+00 -7.3032e-01 -2.2231e+00
 -1.5345e-01  2.8389e+00 -1.8428e+00 -1.6725e+00  2.1093e+00 -2.6145e+00
 -3.2912e+00  6.9038e-01 -7.2522e-01  8.6104e-01 -1.4350e+00  6.0626e-01
 -6.4849e-01  7.6062e-01 -7.4689e-01  4.7753e+00 -1.1993e+00 -4.2359e+00
  2.0232e+00  2.2236e+00 -3.2403e+00  1.8760e+00  5.6878e-01 -4.2663e+00
 -9.0249e-01 -5.5726e-01 -2.7389e-01  3.1492e-01  6.0497e+00  1.2032e+00
 -2.8289e+00 -1.2029e-02  2.0438e+00  1.6863e+00 -9.5612e-01 -3.3074e+00
 -4.6525e+00 -1.4198e+00  2.3611e+00 -5.5756e-01 -1.7549e+00  2.2190e+00
  4.3371e-01  3.3897e+00 -4.8173e+00  3.2116e+00  4.7125e-01  3.8076e+00
  2.2545e+00 -4.2099e-01 -3.3824e+00 -5.6869e+00 -6.4960e-01  3.0657e+00
 -1.5989e+00  2.5436e-01 -1.0615e+00  1.9310e-01 -1.9029e-01  3.4974e-01
  9.9871e-01 -1.3185e+00  7.2609e-01  4.4007e+00  1.6133e+00 -1.2986e+00
  1.5947e+00  5.5250e+00  1.5226e+00  8.6152e+00  1.5021e+00 -2.0290e+00
  2.1912e+00 -3.4224e+00  5.0881e+00  1.0568e-01 -3.7219e+00 -5.6592e-01
  4.9586e-01  2.8535e-01  1.4563e+00  2.3324e+00 -2.6213e+00 -3.9330e+00
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  5.8470e+00  7.9149e-01  3.8765e+00  7.0000e-01 -2.9187e+00  1.6064e+00
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  2.5571e+00 -2.1572e+00 -2.2218e+00 -8.0157e-01  4.0696e+00  3.5533e+00
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  9.8542e+00  1.3493e+00 -5.8006e+00  2.8704e+00  3.1252e+00 -1.5708e+00
 -8.3911e-01  1.1608e+00 -1.0438e+00 -3.9444e+00  1.0584e+00  1.1028e+00
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```

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 -3.7281e+00  1.3919e+00  3.4823e-01 -6.1022e+00  1.8915e+00 -2.1702e+00
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  3.4460e+00 -4.8736e-01  6.5185e-01  2.8499e+00  8.4159e-01  2.5192e+00
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  2.3887    3.0772    3.7601    0.50625  -2.3465    1.7447    0.82959
  1.0736   -4.7063   -1.7823   -1.2313   -2.4541   -0.58398  -0.44706
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  0.56615  -0.39721   2.6372    1.3408   -6.1459    0.17571  -0.87171
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  3.1575    4.4878   -2.2902    1.4018   -1.8259   -0.79248  -0.3292
  2.8679   -0.58673   3.4791    2.3986    2.1549    3.573    -1.2149
  3.9004    2.9802   -0.58506   0.83723  -2.2859    4.711    -1.0338
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 -4.0261   -0.58641  -4.5865    1.6112   -1.5447    2.9703   -6.099
  6.4595   -3.9576    4.3661   -2.3421   -0.94497   0.4559    2.9396
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 -2.4205   -1.3403   -2.2234    2.2834    1.9551   -0.23929  -5.6048
  1.8686   -0.61182   2.3436   -0.88344   3.4994   -1.2805    2.9386
 -1.3466    3.7094    2.976    -0.078185 -3.1456   -1.5188    0.24282
 -1.3095   -0.72129   2.0544   -0.76912  -2.4315   -2.8695    1.3561
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  1.3847   -1.1094   -2.0655   -1.6038   -1.7591   -3.3528    2.4089
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  0.30345   3.4762   -2.7409    1.4932   -1.9878   -0.92159   1.194
 -4.1726    0.26291   1.3855    0.041079 -1.316    -0.75234  -0.72334
 -1.9324    2.983     2.3921   -3.7806   -0.89363  -1.9105   -0.35742
 -0.86894  -1.84     -1.3088    2.3235    0.96628   1.861     3.0841
 -3.6565    1.1773   -0.75499   0.81516   4.7596   -0.65448   1.152
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 -5.7716   -3.9587   -0.62686  -3.0681    3.2264   -2.4602   -1.2364
  1.4462   -2.2371    5.0721    0.42344   1.7552    1.6105   -1.4452
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  2.034    -0.74751   3.088     0.88912   2.2897   -1.8236    2.2353
  1.7066   -0.15235   2.2073    3.1485    0.90694  -0.74955  -2.684
 -1.5885   -0.96977   4.3459   -0.85531  -4.2816    6.4185  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
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  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
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  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
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  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
operational [-5.1866e-01  1.2273e-01  9.7179e-01  3.0353e+00  4.4147e+00  1.7499e-01
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 -4.8396e+00  1.3496e+00 -2.3986e+00  4.6760e+00  3.1724e+00  3.6442e+00
 -5.6333e+00  3.3397e-01  4.5925e+00  4.8612e-01 -1.6938e+00  6.1728e+00
  1.4485e+00 -1.4379e+00 -4.3927e+00 -2.3413e+00 -3.1574e+00  6.6750e-01
  2.1596e-01  2.2137e+00 -8.8757e-01 -1.5217e+00 -2.0220e+00 -3.0818e+00
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  1.4031e-01  3.6401e+00  8.1159e-01 -2.3116e+00 -3.4613e+00  1.7888e+00
 -2.4030e+00  3.1366e+00 -1.5612e+00 -1.0969e+00 -1.1346e+00  2.8574e+00
 -2.9459e+00  9.4304e-01 -5.6263e-01  1.5057e+00  7.7699e-01 -2.2560e+00
  3.3875e+00 -2.5745e+00  4.0549e+00  5.8298e+00 -4.5755e+00 -4.3830e+00
  1.6753e+00 -3.1015e+00  6.8284e-01 -2.6484e+00  3.0852e+00 -2.3618e+00
  5.9622e+00  8.7653e-01 -4.8624e+00  8.1669e-01 -8.5910e-02  1.1412e-02
 -1.4549e+00 -1.0158e+00 -3.1617e+00  2.0786e+00 -6.8790e-01 -2.0357e-01
  4.8397e+00 -5.7381e+00  1.3549e+00  2.6211e+00 -1.3819e+00  4.7872e+00
 -3.6663e+00 -2.4822e+00 -6.8858e-01 -3.3291e+00 -8.9147e-01  2.8011e+00
  7.9526e-02 -2.0086e+00  8.0180e+00 -2.7462e+00  4.9099e-02  3.3571e+00
  5.1344e+00 -3.8040e+00 -3.0135e+00 -2.8185e+00 -6.2344e-01  7.5032e-01
  8.5323e-01 -1.8552e+00 -3.6573e+00 -3.4828e-01 -1.4232e+00  1.9561e+00
 -2.7796e+00  2.0184e+00 -9.2588e-01  5.3038e+00  3.8654e+00 -3.4566e+00
 -6.5750e+00 -1.4611e+00  4.0045e-01 -4.9365e+00  1.9237e+00 -3.5914e+00
  1.6183e+00  7.4494e-01 -3.5944e+00  7.9786e+00  4.8090e+00  4.0979e+00
  6.9571e-01 -1.8501e+00  5.9257e-01  4.7883e+00  1.5690e+00 -2.4912e+00
 -1.9750e-01  2.5930e+00 -1.4071e+00 -3.7527e-01  2.1526e+00 -3.9547e+00
 -1.5765e-02 -6.6903e+00  2.7667e-01 -3.1985e-01  6.2640e+00  5.0520e-03
  2.8625e+00  4.5822e-01  1.2789e+00 -5.2660e-01  7.2508e-02  1.6843e+00
 -6.5278e-01 -9.7453e-01 -1.5024e-01  1.8262e+00 -2.8923e+00  1.6267e+00
 -3.4805e+00  1.3784e+00 -1.5309e-01 -6.8065e+00 -1.4534e+00  4.4540e+00]
planning [ 1.7814e-01  1.2072e+00 -3.4089e+00 -1.1129e+00  1.7167e+00 -1.1772e+00
 -1.0044e+00  3.5129e+00  9.6747e-01  2.6832e+00  4.5118e+00  3.5168e+00
 -4.7378e+00  2.5773e+00  8.7476e-02  3.7010e-01  5.3651e+00 -2.7989e+00
 -3.6865e+00  5.5395e-01  1.2732e-01  9.3004e-01 -2.2125e-01  4.1670e+00
 -1.5218e+00 -1.8794e+00 -2.7024e+00 -1.1608e+00  2.2203e-01  4.8631e-01
  2.5313e+00  1.0410e+00  4.6634e+00 -4.3520e+00  1.0173e+00 -1.8674e+00
  2.3102e+00  4.3114e-01 -5.7251e-01 -2.1355e+00 -1.5403e-01 -6.7952e-01
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  3.7401e+00  2.1978e-01  1.1755e+00 -1.6998e+00  3.0416e+00  4.0022e+00
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 -2.5305e+00  2.9264e-01  1.8042e-01  2.4456e+00 -4.0469e-01 -3.8452e-01
  1.1214e+00  1.2596e-01 -5.2225e+00  6.2406e-01 -1.3970e-02  2.7529e+00
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  8.0529e-01 -1.1082e+00  1.3883e+00  2.4868e+00  5.2134e+00  2.0296e+00
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 -2.4603e-01  2.7802e+00  2.4446e+00  1.1490e+00 -1.0657e+00 -3.0622e+00
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```

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  3.1099e+00  1.3424e+00 -5.9193e-03  1.3696e+00 -7.7920e-01  4.4693e+00
  4.6090e+00 -5.3115e+00  1.2081e+00  7.7855e-01 -9.7187e-01  2.0678e+00
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 -3.9680e+00 -6.5000e-01  5.2324e-01 -2.2405e+00  3.7788e+00 -5.0729e-01
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  1.7554e+00 -2.6163e+00  1.5778e+00  5.5728e-01 -3.0857e-01  1.5386e+00
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 -4.2948e+00 -4.7526e-01 -2.0561e-01 -2.1257e+00  3.3545e-01  2.1681e+00]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
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   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
programmatic [-1.7244   -1.7096    1.1533   -0.63927   2.6726    0.42797   3.7373
  5.1059   -3.0953   -4.3355    5.0739    1.2254   -2.3254    3.1531
 -1.1174    1.9326    5.8062    1.7377   -2.288     2.9166   -0.43237
  2.65     -0.34182   2.0163   -1.5006   -0.76182  -3.2724   -3.4866
 -3.763     1.4307   -1.7249    2.8365   -0.7133   -3.0357    0.73204
 -1.202     1.8725   -2.4298    0.47577  -0.15193   1.1054    0.87861
 -1.3768   -1.1877   -1.64      0.31679  -0.36458  -3.4271   -0.72328
 -2.1778   -0.44734   4.7869   -1.3976   -3.2626   -1.8908    1.3822
 -2.2743    3.2579   -0.71073  -1.4783    2.1986    2.4872   -2.5606
  0.98542   5.655     3.6969   -1.6903   -3.4725    2.1376    2.4043
 -3.2022    2.0591   -1.5594   -1.3623    1.3627   -0.15517  -2.6303
  1.0254   -3.132    -1.9715   -5.5867   -1.4962    0.15814   0.28294
  0.45155  -2.0203   -1.0709   -4.1015    0.54835  -0.098354 -2.8985
  0.99324  -1.3168   -0.69411  -1.7536    1.3273    1.7853   -1.4809
  1.167     1.3457    2.8099   -0.68973   3.2336    2.4634    2.1704
  4.6242    1.7566   -2.0636    3.814    -2.0303    3.262     0.46283
 -1.0855   -0.86537  -0.76706  -0.46214  -4.24      1.2495   -2.1139
 -4.552    -1.835    -3.2201   -0.72047   0.42912  -2.6563   -2.065
 -0.89956  -6.6232    3.1831   -3.6173   -3.5159    1.9835    6.1491
  1.7716    1.5628    0.24688  -3.4301    0.071785  1.6527    0.38703
  3.1469    1.9055    0.1016    0.19857   1.7139   -0.62028  -3.0588
 -1.3756    0.1315    1.7467    0.22631  -1.7515    0.7602   -1.615
 -2.3772    2.3658    3.906     4.9545   -0.17853  -4.8016    0.081554
 -0.40727  -0.62272   0.088061 -1.8117   -3.5963   -1.6418    0.23422
  1.5587   -0.70214  -0.59112  -1.4206   -1.2033    3.7875    4.5469
 -1.7992    1.7558    1.2291   -1.3722   -1.2294   -3.9498    3.4893
  0.72285  -2.9434   -0.10688   0.91188  -2.3914   -5.5344    2.5431
  1.6687    0.014722 -1.8924    1.0291   -1.3745    4.1048   -1.6095
 -4.5443    0.20609  -0.15644  -0.19271  -1.353     0.37744  -0.58781
 -3.587     5.9429    2.2435   -4.7199    2.3744    0.21379  -1.7519
 -0.21465  -2.3911   -0.52027   1.6953    2.1987    0.32645   3.9449
 -3.9127    1.3772   -0.1162   -1.3962    2.9138   -2.3794   -1.5888
 -0.36244  -2.359     2.7165    0.063328  0.5798    0.82104   2.9019
 -3.2486   -2.67     -0.44225   5.7816    2.1322    1.9366    0.45983
  2.7446   -1.1544   -4.5282   -1.6085   -1.4208   -0.5039    2.1953
  1.5101   -2.6683   -2.9832   -4.5362    3.8287    1.0216   -1.1253
 -2.8234   -1.4575   -1.7049    1.8486    0.67201  -2.8513   -1.5834
  0.79926  -1.8001    3.6202    2.3608    0.17837  -0.024692 -5.0967
 -0.16841   2.8253   -3.1284   -5.7394    0.046347 -1.0696    2.256
 -2.2993   -1.8532   -3.1755    0.70579  -0.089424 -0.66994   1.4688
  2.702    -1.1321    0.48983   3.4008    3.1029    1.9627    2.8943
  1.8924   -0.42626  -0.45398  -1.2039    0.022883 -2.5768   -1.9387
  1.7815   -0.11504   2.2025   -1.6443   -2.1184    2.4718  ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
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 -6.3726e+00 -6.9950e+00  3.9154e+00 -2.4749e+00 -5.8399e-01 -1.4355e+00
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```

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  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
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  9.2642e-01 -5.9825e+00  5.5945e+00 -1.2243e+00 -3.8537e+00 -1.2355e+00
  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
  2.6410e-01  7.4361e-01 -2.4367e+00 -2.0088e-01 -4.4894e+00  1.4475e+00
  4.2339e+00 -3.4373e+00 -2.5324e+00 -1.1939e-01  4.5831e+00  4.5200e+00
  2.0625e+00  7.4849e-01 -3.0188e-01  9.0094e-01 -4.7244e+00  2.4985e+00
  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
 -1.1227e+00 -1.5966e+00  2.8349e+00 -3.3038e+00  4.3173e+00  1.0376e+00
  5.5165e+00  1.7624e+00  2.2043e+00 -1.2275e+00 -4.6109e+00 -3.6814e+00
 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
  1.0731e+00 -2.9001e+00  3.6835e+00  1.9213e+00 -7.6379e+00 -1.8430e+00
  4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
  8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
 -1.0965e+00  1.8122e+00  4.3734e-01  2.0569e+00  1.1762e+00  4.7819e+00
 -2.2311e+00 -7.7379e+00 -1.9647e-01  2.3799e+00 -2.8033e+00  5.4423e+00
 -3.0252e+00  3.1974e+00  8.2303e-01 -2.1532e+00  2.5396e+00  3.7141e+00
  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
  9.0661e+00  4.4294e-01 -6.7425e+00  7.6959e-01  2.8843e-01 -1.5053e+00
  1.4403e+00  2.9491e+00  1.3645e+00 -2.5459e+00 -1.9618e+00  4.4388e+00
 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
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 -2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
business [-0.58242  -1.1836   -5.4627    0.67214   3.5754    0.2345    0.58678
  4.4798   -3.564    -2.241     6.3077    3.2147   -3.5341    2.676
 -3.5924    1.4162    4.419    -0.34065  -2.1117   -0.25351   2.3887
  3.0054    0.4669    2.831     0.94325  -2.0519   -0.22936  -0.81246
 -1.335    -0.54118   3.4052    1.8348   -3.8771   -0.15998   1.6187
 -1.0206    0.14951   2.286     1.1479   -0.58192  -1.4671    2.4198
  0.9811   -0.073673 -5.0584    1.6954    1.4396   -5.3978    1.3223
  1.5618   -2.733     3.9935   -0.91673  -5.6772    0.57108  -1.6828
 -3.4122    2.5313   -1.7266   -3.7445    5.0387    1.0814    2.0528
 -1.608     1.4541    4.3338   -2.8494   -2.999     2.8563    2.6444
 -1.3971   -0.77977   2.2864   -0.77298   2.978    -0.073397 -3.1369
  3.0561    0.19674   1.0008   -4.8506    3.1871    2.8409    3.8599
 -2.1213    2.8638   -3.6009   -2.8175   -1.1308    0.27585  -1.2756
  2.63     -0.042766 -2.9831   -1.3227   -1.4107   -0.056475 -0.42749
  3.1634    1.1953    9.4466   -1.3222    1.0929    4.7733    1.9564
```

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  6.0395   -2.5829   -2.4844   -3.9979   -3.366     3.8411    0.88913
 -4.6673   -2.8121    0.072867  6.5792   -4.9887   -3.8243    4.1474
 -7.1091    1.0954   -1.9519   -0.51007   1.867     2.6071   -2.5717
  2.5308   -1.9464    3.0069   -3.2953    0.19878  -1.3242    2.3685
 -0.2247   -0.95476  -0.83526  -0.90638  -2.7544    3.7601    1.8317
 -2.3115   -2.6783    2.1144    2.8146    0.047983 -2.0169   -3.8784
 -1.0843   -4.2445    3.2412   -2.3339    2.0607    0.57592   1.9665
 -3.7089   -1.8156    2.8619    4.3506   -1.7624   -1.3041   -3.5289
 -1.3501    1.622     2.9616   -3.4858   -1.5835   -1.4814   -0.05508
 -0.30766  -3.5225   -1.1481    0.16049   0.34336   3.5679    2.1025
  3.2406    0.69639  -0.50362  -0.3133   -2.1819   -0.4148    2.9641
  4.5712   -3.5839   -0.82578   0.65586   1.2945   -2.2609    2.1085
  5.0428   -2.4453   -2.8329   -0.92026  -5.3133    6.1209    3.1435
 -2.9887    0.56634   2.6708    0.573    -0.028152 -0.5542   -0.66003
 -0.38736   3.2956    2.       -2.8469    3.6915    0.014018 -2.695
  2.6452    0.16416  -0.70799   2.1998    1.1776    2.06      2.2997
 -3.2413   -0.11466   0.93338  -0.5103    1.1321   -1.4861   -3.9396
 -0.2327   -5.082     1.8078    0.13712   2.1895   -0.69109   5.6147
 -2.4967    1.1191    0.67096   5.5259   -1.0209   -0.61607  -2.1587
  0.90774   4.2774   -3.469    -0.23017  -0.5982   -0.038498 -2.6398
  1.2794   -2.2747    0.29148  -0.54453  -0.69591  -1.0988    0.54163
 -3.2194   -1.9577    0.24482  -5.8471   -1.67     -4.6921   -2.887
  2.7003   -0.5127    6.3417   -1.9141    3.209     1.9197    1.3948
  0.70659   2.7862    1.8497   -1.7187    0.83152  -2.2263   -0.091151
 -2.8903    1.4907   -4.8302   -0.57817  -2.6448   -1.1957    2.304
  3.2076    3.6985    0.6284   -2.5804    5.3483    0.65039   1.3041
  1.314    -4.9707   -3.8989   -0.43287  -3.3435   -4.7165    0.18016
 -5.6434   -1.7378    0.26673   0.27391  -2.6872    5.8941  ]
processes [-1.3076e-01 -1.2701e+00 -9.8428e-01  2.3081e+00  6.1988e+00  4.1302e-01
  1.3267e+00  4.6378e+00 -1.7442e+00 -2.0622e+00  7.6427e+00  3.2290e+00
 -3.5179e+00  3.8257e+00 -7.0801e-01 -6.5535e-01  5.8955e+00  8.2266e-01
 -6.5847e+00 -1.7282e+00  1.2985e+00  1.8527e+00 -5.7366e+00  1.9640e-02
 -5.0868e+00 -2.9542e+00 -4.7023e-03 -1.2649e+00 -8.4639e-01 -1.3141e+00
  2.4929e+00  3.0551e+00 -4.6115e-01  2.9707e+00 -1.7572e-01 -5.5079e+00
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 -9.3308e-01 -8.0890e-01 -4.4143e+00  4.5856e+00  6.4076e+00 -2.3009e+00
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  2.1243e+00  6.4682e-01 -5.4574e-02  2.5207e+00  4.2002e+00  2.9662e+00
  1.5322e+00  2.1181e+00 -2.8003e-02  7.8463e+00 -5.0800e-01 -2.8589e+00
 -4.6153e-01 -4.1887e+00  1.0615e+00 -1.5330e-01 -2.9768e+00  1.6126e+00
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  1.2088e+00  4.0158e-01  1.0872e+00 -1.9300e+00  5.8109e-01 -7.2515e-01
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 -2.5881e+00 -3.5100e+00 -2.3220e-01  3.1988e+00 -2.1757e+00  4.9209e-01
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  4.4629e+00 -2.8762e+00 -2.7534e+00 -2.5699e+00 -2.0076e-01 -1.1968e+00
  6.2335e+00 -1.1572e+00 -3.4930e+00 -6.3913e-01  3.8572e-01  5.0793e-01
  5.8249e-01  1.6538e+00 -6.9144e-01  4.7428e+00 -3.7886e-01  2.9468e+00
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 -4.7215e+00 -1.4254e+00  2.8303e+00  1.8489e+00 -2.9809e-01 -1.6305e+00
 -5.1488e-01  1.1214e-02 -1.1658e+00 -4.8397e+00  2.2608e+00  1.9462e+00]
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  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
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   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
” [ 3.4795e+00  2.5236e+00  4.1156e+00 -8.6533e-01  1.7935e+00  1.0307e+01
  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
  5.6221e+00 -2.1393e+00  2.2315e+00 -9.0514e-01 -2.4562e+00  3.5317e+00
  9.1204e-02 -3.3242e-01  2.9498e+00  7.2433e+00  7.9996e+00 -7.1088e+00
 -9.5325e+00 -9.3627e-01  9.4870e+00 -6.4368e+00  1.2151e+00  1.5027e+00
  4.6071e+00 -8.4831e-01 -1.1600e+01 -1.0910e+00 -1.2449e+00 -6.3010e-01
  7.2863e+00 -1.2668e+01  5.1070e+00 -1.8290e-01  5.6010e+00 -1.0392e+01
 -4.4515e+00 -2.7056e+00 -7.4310e+00  3.1905e+00  4.6635e-01 -6.5661e+00
  6.1587e-01 -6.9348e+00 -3.1336e+00  1.2988e+00  3.0448e+00 -5.2704e+00
  3.2636e+00  5.2553e+00  4.4019e+00  3.5556e+00  1.7151e+00  5.5191e+00
  1.0651e+01  7.1255e+00  6.5455e+00 -7.4957e-01  2.6581e-01  3.8996e+00
 -3.6999e+00 -2.1901e+01 -8.6685e+00 -3.6633e+00  4.4888e+00 -2.1993e-01
  4.7457e+00 -2.1938e-01  1.7529e+00 -4.7162e+00  2.5769e+00  6.2641e+00
 -9.6689e+00  8.0026e+00 -2.3921e+00 -9.6044e-01  6.6856e+00  5.5901e+00
  8.1997e-01  6.2485e+00  9.5520e+00 -3.0288e+00 -3.1226e+00 -4.7422e+00
  8.8199e+00 -4.2749e+00  1.3008e+00 -6.0224e+00 -1.2686e+01  6.8175e-01
  3.3945e+00  2.7172e+00 -6.7947e+00 -2.6182e+00 -1.9675e+00 -3.0406e+00
 -2.9354e+00  1.0294e+01  3.3965e+00  6.3775e+00  9.1588e+00 -5.9524e-01
  2.5948e-01 -4.1843e+00  4.6894e-01  6.0235e+00 -2.0175e+00  6.6618e+00
  3.4736e+00  5.7208e+00 -3.8084e-01 -1.5805e+01 -1.0551e+01 -7.5519e-01
 -2.5604e+00 -1.3254e+01  1.0182e+01  8.3581e-01  3.2652e+00 -2.1343e+00
 -1.2169e+00 -7.3821e+00  7.8511e+00 -8.3385e+00 -1.0557e+01  5.8638e+00
 -8.3342e+00  2.5821e+00 -2.4145e+00  7.2799e+00 -1.0082e+00 -4.7508e+00
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 -9.4072e+00 -4.6351e+00 -1.3187e+01  4.0158e+00 -1.5866e+01 -8.5002e+00
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 -1.6123e+00 -3.2486e+00 -5.5133e+00 -6.9324e-01  7.8604e+00  7.0953e+00
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 -4.8602e-01 -1.4743e+00  4.8695e+00 -3.7248e+00  9.3506e+00 -1.2180e+01
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  1.0285e+01 -4.8146e+00  1.0027e+00 -2.6547e+00 -6.4866e+00 -3.9228e+00
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  3.1059e+00  2.0860e-02 -6.8428e+00 -5.9755e+00 -6.5472e-01 -1.1035e+00
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  4.1919e+00 -5.3299e+00  3.1098e+00  8.7561e+00 -8.0424e+00  1.0406e+00
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 -5.0566e+00 -2.0011e+00  6.0797e-01  5.6577e-01  5.3224e+00 -9.1434e+00
  6.0967e+00  2.6622e+00 -5.7625e+00 -2.1923e+00 -3.2738e+00 -1.1584e+01
  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
he [ -1.2129     8.4406     1.2737     2.5111    -5.456      1.0585
  -1.8851    13.924     -2.3396    -2.4067    12.902      0.61637
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  -5.958      2.4197    -1.4216     1.8903     2.9482    -1.3153
  -4.5124    -8.3473   -14.388      7.7842    -2.6601     0.55392
   3.9095    -5.4867    -0.86167   11.824     -4.8328    -5.5642
  -0.45292   -0.52435   -4.3294     1.8798    -9.5779     5.714
   6.6036     2.0604    10.596      0.19148  -12.031    -13.837
  -3.3232    16.474     -4.8925    -4.3379     2.6365    -1.3667
   0.26982   -5.6201    11.288     -2.8973    -4.7938     2.7213
   0.14402   -4.389     -5.0813    -6.6141     6.381     -0.06123
  -3.854     -4.8882     4.6803     9.4865     1.0041     8.0893
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 -12.176     -5.1392     1.287      4.6354    10.341      0.42397
  -0.14366    3.2072    -0.25663    1.7028    -1.9706    -8.6343
   1.2761   -14.845     12.845    -10.345     16.002      5.637
  -3.5323     9.2755    18.362      0.58221   -6.585      0.72998
   0.39233   -1.4531   -14.759     -9.8319   -11.646     -1.1456
  -1.3454   -10.091    -10.008     -0.83135    5.9292     9.3812
   9.9438    -1.8037    -1.7335     7.6832    -3.9752     8.484
  13.065    -21.703     -8.9287     6.9308    -1.1345    -1.1791
  10.466      7.833     -4.7303    -1.0607     1.1084    -1.7657
  11.017     -0.16428   -5.547     10.598      1.2322     5.2886
   5.5124    -3.6615   -14.385    -11.098      3.0621     9.8689
   2.3449    -0.092471 -13.255      3.1709     1.7524    -7.7473
  -1.3912    -1.7157    -5.8272     8.8248    -2.2314     0.27472
  -0.46796   -2.9466    -4.6047     2.8787    -3.8582   -24.129
  -8.9541     2.3807    -8.4753    -1.9917    -5.0396    -5.1673
 -10.011      2.0524     3.8629     7.285     -4.3556     5.5212
  16.633     -4.0838    -7.9976    -4.2274     1.5569     0.33646
  -1.2492    -7.2158     1.4092    11.019      3.0462     3.1129
   3.0659    -1.7158    15.704      8.8353    10.318      2.3227
  -5.3246     7.393     -1.3885    -5.9177    -1.6622     4.8659
  -5.4035    12.889     -0.21578   -2.9761     3.9524     1.1064
  -4.5207     1.1606     3.3863    -8.5215    -9.849     -2.9444
 -13.888      7.1274     3.92      19.494      1.6411     6.6424
  -3.4539    11.166     -0.57754    2.3421    -7.0139    -4.0737
  -2.9011     7.8727    -5.3194    -0.38703    2.3082     9.7873
  -3.6355    -2.0859     2.3223     2.223     -4.0399    10.237
   0.33676   -4.53     -16.475      4.8962   -15.366     -7.0094
  -6.2041    16.679     11.403    -11.052     -1.8899    -0.79454
  15.374     -1.0666     8.1025     0.56685    6.2632    -1.3601
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  -0.25271    8.9712     3.8651     2.4794     9.2263    -5.8278
   2.5308    -2.4706     4.0343    17.688    -11.35       5.6162
  -3.0345    -3.8874    -9.047     -4.492      3.2871    -3.1378
   0.17005    0.32491  -10.249     -0.25849   -5.9457    -4.6437
  14.043      8.4606    17.329     -4.2294    -2.6791     4.4118
  -2.4168    -7.0052     5.5333   -11.166      1.8599    -0.88063
  -2.8911     3.2821    12.568      8.2656   -14.539      4.9051  ]
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   0.27292    0.21205   -4.1228    -1.0324    -3.931     -1.9908
  -1.6186    -2.0231    -8.0522     2.6226     3.2651    -1.664
   0.81676    8.1923     3.023     -7.989      1.8993    -4.6024
  -0.22139   -1.0552     3.1044     1.9256     3.2816    -3.5314
   3.5127     2.2792     1.1595     0.5591    -0.49555   -4.212
  -0.2852    -1.0356     3.5171    -0.31595   -2.416     -1.8666
   5.0452    -7.6967    -1.9256    -2.6184     3.326     -0.15897
  -0.15608    7.7697     3.5203     1.3461     8.1344    -5.0012
   5.2714    -6.0275     3.2455    -0.56927    3.7955    -0.74849
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 -8.6372    -4.9457    -3.5017     2.7698     2.4424    -1.5171
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 -0.62317    1.5289     3.8113    -3.5046     0.013797   5.2891
 -4.8427     0.49014    3.2589     4.0782     5.4443    -8.6187
  4.6487    -1.5055     2.1056    -1.1983    -3.9361    -0.87771
  1.3105     7.225      5.382      6.9255     3.611     -2.8444
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 -2.1348     6.1599     1.4292     0.15517    1.6795    -6.2256
 -0.44218    2.6016     0.033856   0.87542   -6.5409     4.9558
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  0.15113   -2.8989     3.9812    -3.6619    -2.6481    -5.4197
 -2.753     -4.4707     2.2379     1.1731     1.8198     0.099536
  1.7237     2.7738     3.2043    -4.9352    -5.1319     4.1869
 -1.1909    -1.7825    -4.5866    -1.1516    -0.62557   -1.7176
  0.31701    0.035141   7.0499   -10.997     -2.2294    -3.318
  0.13928   -1.2849    -2.1121    -2.5563    -3.4184    -0.024208
  4.8414    -4.6892     1.9502     2.3926    -3.4849     1.0265
  1.0523     7.9153    -0.55593   -2.2372     0.4934    -0.15246
  4.9987    -5.5787     1.0173     2.4718     2.0187    -0.87453
 -2.5375    -6.4779     5.7426     1.0854     7.9669     1.7795
 -4.675     -0.83422    1.1653     2.4569    -5.3529    -1.4631
 -5.3443    -1.678     -0.71452    6.45       2.9919     1.1298  ]
. [-0.076454 -4.6896   -4.0431   -3.4333   11.758     3.7212   -0.98133
  2.7902    0.43608  -2.4425    6.9311    2.7647   -1.7035    6.3123
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  1.6121   -0.8789    1.6936    1.9308    6.7769    3.6739    0.28693
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 -0.91791   0.11236   2.626    -5.5713   -2.7705   -2.5144    0.069018
  6.1091   -3.0522    0.025957 -3.9766   -0.42248   0.60821  -4.883
  2.8595    0.046312 -5.0708   -0.87191  -3.0453   -1.5862   -2.7432
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 -4.4224    0.31291  -0.34638  -6.8143   -6.1415    3.9493   -5.1503
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 -4.3133    3.0666   -1.7038   -2.353     0.81963   2.6208    5.6669
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-0.77669  -6.1613   -4.2444   -0.68401  -0.61397   0.030807 -0.12418
 2.8148   -2.2854   -2.83     -1.9922   -7.3996   -2.8544   -3.7009
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-1.952    -3.9036    1.1277    2.3389    5.1609    2.1905    2.9146
-8.1347    0.68726   2.8535    1.4085    5.4403   -9.4458    2.8775
-0.66906  -1.1599   -3.3115   -3.5608    1.5127   -3.1845   -9.1884
 0.6305   -5.6819   -0.12861  -2.3537    1.0302   -0.76796  -0.83891
-4.1329    1.773    -0.073686 -1.2361    5.0983   -3.4001    0.42573
-1.9998    1.439     4.7645    6.0452    4.9381    2.3885   -1.0576
-2.0167   -0.4184   -1.8464    2.4374    2.3647    1.2872   -1.7353
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 0.97069   3.2362   -5.9116    3.7992   -0.31084  -1.3803   -3.0381
 0.19792  -1.6612    0.39299  -3.7749    3.0147    1.8615   -3.9556
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   2.083     -6.8729    -3.8757    -2.521      1.6688    -5.6535
   0.29916    5.276      3.7059     5.052      1.5987     5.3329
  13.426      8.4246     6.1137    -0.38982   -2.6855     3.6625
  -4.15     -25.151     -6.8561    -2.96       2.1339     0.97768
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  -9.6935     7.9342    -0.84435   -3.0352     5.4123     3.2984
   1.6884     6.4194     4.2471     0.99829   -4.3103    -2.7644
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  -0.11334   -5.1983     1.7585    10.259     -0.17789    4.286
   6.5564     6.733     -3.124    -17.44     -12.351      1.5846
   0.029413 -11.62      10.275      3.7735     4.2704    -0.7812
  -1.578    -10.986      6.4895   -10.089     -9.2497     9.1038
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  -1.661     17.208     -7.7206     0.54176   -2.4799     4.1986
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   2.6241    -1.2159     6.4726     3.8124    -3.64      -0.42333
   7.6105     1.9617     1.3932    -3.7137     2.1101     3.476
   3.6122    -4.1616    12.123      0.64861   -0.49947    2.1249
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   1.0625    -3.7314    -5.3262    -4.232     -2.2041    -2.1869
   2.1504    -5.8741    -2.2944    14.575     -9.0236     0.049818
  -8.6919   -13.624      2.1128     5.1577     1.5895     0.74051
```

```
  -7.789     -6.6583    -4.5001     7.34       8.6042    10.186
   6.6701    -2.1674    15.823     -0.32241    6.8083     4.3367
   6.5724    -6.4115    -3.4879    -3.0151     3.1908    -6.1925
   4.7697     3.7224    -0.23423    3.124     -6.1329    11.586
  -6.6443     8.3807     0.56297   -6.6554     6.3858    -6.0566
   9.4062     1.0888    -6.4795    11.235      5.2794    -5.6031
  -4.9794    10.585      7.7599     0.53914    4.7885     3.8644
 -11.891     -4.8493   -11.071     -2.983     -1.2024    -4.7681
  -5.6201    -1.5833    -1.4416     1.8468     5.1324   -10.322
   9.6327     0.47697   -0.43167   -3.8329    -0.12879  -12.096
   4.9287    -4.3766    -2.6984     6.8118    -1.9098    -6.5109  ]
By [ -9.4583    -8.4392    -4.412      0.67915   10.209      2.8724
  -7.5497    -8.3654    -5.8138     3.8518    -7.4806     6.8127
   1.0853    18.048      1.9247    10.429     -2.8086     6.5946
  14.913     -1.5563    -3.9339    18.006      1.8144    -1.3887
  -1.7682     9.1792     3.1265    15.772     -0.45245   12.635
  -4.0574   -17.736      9.7979    11.755     -7.7121     8.0524
   5.1624    -1.4621     0.042125   0.1572    -0.8287     2.8882
 -12.416     -4.2017    -5.9787    -5.537     -7.2038     5.9793
  10.449      9.176      1.3994     3.7641     0.10094   -8.6087
   3.2638     6.4365    -3.1044    -9.2767     7.9803     4.2876
  -5.9272    -6.6345     2.9835    10.538     -4.657     15.891
  10.24       3.9605    -6.7846     5.0964    -5.9124     0.27239
  -2.2505    -5.5978    15.134      3.6241    14.543      2.2045
 -15.535     -4.2366    -4.1032    -6.0984    -0.055076 -12.55
   2.5572    -1.083    -18.68      -1.1842     5.1529   -10.47
   2.4377     0.53883   11.29       5.7535    -8.4452     0.37283
   5.5048     0.58808    0.13067    2.618      8.1373     5.413
  -6.3321    -8.1608    -2.0817    -0.86975    8.1142    -4.8406
   4.1367   -10.838      7.7207     6.5348    -0.68619    0.69474
   5.6232     3.019      9.9265    -1.8589     1.587    -14.958
  10.619     -1.4675     6.1812     5.0702     3.5937    11.555
  -2.6208    -6.7247    -7.1602    -6.8717    -8.6634    16.184
  -8.8767     1.9667     3.3472     2.7756    -0.073675  -5.5784
 -10.817    -14.545      3.6152    -1.9072    -5.0807     2.1324
   5.6694     7.9727     5.4073    -7.3493     1.3547    16.485
   0.91826   -3.8338     2.5512    11.269     -5.1703     3.8659
  -5.6374   -17.688      1.2102   -12.265      6.8644    -1.8657
   7.8018    -3.1564    -1.7599     0.70441   -7.3559     3.5796
  -1.2375    -7.5909    -1.6936     6.5779    -3.8413    -4.2901
   0.242     -1.2216    -4.2055     5.2885    -7.6122     3.545
   2.8238    -2.3254     6.6854   -14.786     13.963     -6.6022
  -2.8212    -4.344     -5.9166     6.6091     0.17291   -3.4953
  -0.4309    -3.8282    11.669     20.322      5.9447    -6.0734
  -1.3446     7.026    -11.061      5.2992     2.4344    13.035
   4.8261     5.2225    -3.8956    12.325     -4.2216    16.664
  -0.92086   -4.2616    -7.8234     2.6027     4.3874     8.0095
   8.9775    11.403     16.234      9.8453     2.1351     0.39052
   4.7316     9.5528    -0.61176   14.715      8.3115    -1.192
  -9.13      -2.7088     9.9708     2.1465    -3.1142    -1.5541
   5.7144     1.782      4.5938    -5.2168    10.03      -4.8073
  -0.69248    1.0207   -10.511    -11.771     -2.6939     8.8195
 -10.574     12.228     -0.69849   -3.0944     5.5675     9.4519
  -1.5396    -5.9954     8.675      4.9925    -9.6284    11.45
   7.4877     7.2793     0.91278    6.4849    -2.8946    -4.2384
  -2.8431     0.56942   -8.5642    -8.2449     9.156    -13.635
   9.9276     1.9956     6.8142    17.425      8.4577     5.911
   6.3167     2.4577     9.6591    -7.2845     5.5083    15.98
   8.9576    -8.8827     4.3381    -4.8062    -5.3707     7.8381
 -18.973     -4.8427     3.0705     0.24654   -7.4756     7.3211
```

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  -4.0684     7.8595    19.118      5.4537     7.3615    10.75    ]
prioritizing [-1.795     2.7636   -1.2605    1.287     4.1682    1.6801   -1.1688
  2.2431   -1.8042   -0.54516   1.1924    3.3106   -3.7881    1.0888
 -1.9053    0.63531   1.8234   -2.7157   -1.9245   -0.96994  -1.9164
 -3.7239   -0.5547   -0.48836  -0.50839   2.0345   -0.31114   0.87503
 -1.7676    1.9055    0.66544  -0.50809  -1.2433   -1.2104    0.71821
 -1.89      0.20148  -0.25149   3.1214    2.6943    0.41445   1.0329
 -0.13506  -0.97259  -2.738     0.63799   1.2485   -4.2367   -1.9817
 -0.93516  -0.83025   1.4186    0.63103  -3.9387   -0.86336   3.7672
 -4.6153    2.176     0.25349  -0.49034   2.682    -0.79687  -2.0423
 -0.43756   2.3241    3.0201   -1.319    -1.9773   -0.042721  2.2165
  0.24081   0.055316  0.55144   0.065968 -0.31192   1.3623    1.7443
 -1.9568   -1.3938    0.46487  -2.5973   -0.074457  0.36464   3.078
 -1.9038   -0.11817  -1.7284   -1.4205    2.1288    1.6277    0.91882
 -1.0167   -2.7183   -1.3339   -0.50241  -2.1222   -0.42107  -0.55794
 -2.2945    0.8551    3.3714    0.59486  -0.30616   3.3359   -1.5051
  3.611    -1.3008    0.17734  -1.4687   -1.2707    1.9383    0.3736
 -0.81546  -0.74769  -1.7967    4.1587   -1.6929   -2.3285   -1.1307
 -0.64498  -3.8941   -0.6282    0.087025 -1.803    -0.080172 -0.23369
  3.749    -0.066761  0.92325  -0.19031  -4.1532   -3.2409    1.1653
 -1.4056   -0.19009  -0.75488  -2.7324   -1.9288    2.963    -0.92306
 -0.20539  -0.78892   1.556     0.77254  -2.2138   -0.21689  -3.6819
 -1.2029   -1.5187    2.3411   -0.48461   1.318     0.42318   1.0311
 -1.469    -1.3037    1.1262    0.31735   0.07282  -1.6608   -0.060645
 -1.5983   -1.7256    1.8567   -1.0239   -1.4698   -3.2793   -3.7393
 -0.64589  -4.4509   -0.033503  0.55111   2.9471   -0.50577  -0.26238
  1.6034    0.83336  -0.35478  -0.28359   0.71152  -1.2172    1.7175
  3.0248    0.87691  -0.65713  -0.52059  -0.7301   -1.2006    1.8412
  4.3106   -0.27629  -0.79567   0.07427  -1.9144   -4.2811    1.4929
 -1.1613    0.89986  -2.9818   -0.46949  -2.6926    0.74957   0.49384
 -0.53945   1.1891    0.20458  -3.105     1.6402    1.2837    1.9176
  0.84609   0.15909  -1.106    -0.11897  -1.3452    0.84365   1.9394
 -1.4336   -0.31513   2.5298   -1.3642    1.6436   -0.72471  -1.6351
  0.87549  -0.38435  -1.552    -0.88782  -2.2431   -0.88112   0.26478
 -2.1177   -0.75951  -0.70294   1.0001    1.5293   -1.0952   -0.24971
  1.1579    1.6643   -1.738     0.29748  -1.9405   -0.18256  -1.3413
  2.6843   -2.5864   -0.65196   3.0916    1.063     0.38158  -2.4611
 -1.6673   -0.45454   1.898    -1.1016    3.9673   -2.2011    1.6924
  1.777    -2.2972    2.4168    1.536     0.89559   3.5268    0.51897
 -0.057034  2.0049   -0.72197  -2.3262   -1.4443    0.11215   1.6773
 -1.3737    1.5959   -3.3316    0.62587  -3.0107   -2.0654    1.8571
  2.3669    1.9219   -0.65295  -1.5654   -2.4718    0.45636   2.5667
  1.3371   -1.4397   -2.4646    0.60442  -0.38384  -1.937    -0.8966
 -0.96069   0.73937  -0.79467  -0.81688  -0.62718   1.6764  ]
efforts [  4.1305     0.60831   -4.6684     2.8539     9.6236     0.032871
  -1.4037     4.4302     1.0457    -2.9877     2.2591     3.4623
  -3.2759     4.2841    -4.0805     1.2395     1.6208    -2.7819
  -5.9285     2.0221     4.8581     0.52194   -0.63861   -0.31139
   1.9479    -1.2617    -2.8803    -0.86669    0.25717   -1.8693
   1.9198     1.1737     3.6559    -0.89272    2.0532    -0.27047
  -1.6295     0.68669   -0.38424   -0.8736     0.24517    1.6337
  -3.0997    -3.3538    -5.1798     1.7126     1.1057    -3.5835
   1.3077    -0.31916   -2.6084     2.2529     1.067    -10.5
  -0.92075    0.072529   0.77843    1.5928     3.3989    -1.2194
   2.7416    -0.63078    0.83281   -1.7877     2.9435     3.6782
  -3.2599    -2.7442     4.2639    -1.926      3.0819    -2.7194
   0.031689   4.3795    -2.1152     2.0593    -2.6647     5.4741
  -2.2888    -2.2042    -1.2289    -1.2232     1.556      4.7645
  -2.4269     2.9762    -5.9156    -8.0821     3.5813     1.7987
   1.0184     2.0548    -2.008     -4.2007     2.9163    -1.3754
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  -0.80361   -0.74984   -0.10559    1.6773     5.2669     0.4778
   7.1712     2.3413    -2.2973     3.6676     0.77305   -3.4178
   1.9695    -7.0374     0.72074    1.4125     1.1866    -2.9009
   0.58831    0.26331   -1.7188    -2.3735     1.9311     0.25203
  -5.4753    -4.9882     1.8462    -0.79239   -1.7448    -0.51931
   2.0232    -2.1803     1.9653    -5.9382    -7.1769    -0.34492
   6.925     -3.7605     0.64248    0.23635    1.0369     1.418
   1.755      2.0077    -2.8904    -4.4265     2.6287     0.60955
   2.7365     1.2153    -6.6211    -0.098256   0.24414    2.5997
  -0.44511    6.6562     0.25954   -0.6967    -3.4845     5.2477
   7.8704    -4.9839    -2.1541    -4.4716    -2.0397     0.76429
   1.0589     2.2654    -1.759     -6.7802    -2.4496     0.50503
  -3.4083    -8.3512    -1.855      2.1655     5.0371    -2.5512
  -0.8505    -4.8955     3.3766    -3.1805    -4.472     -3.9377
  -5.0717     0.85615   -1.9342    -0.11777    1.0208     5.1077
  -2.9709    -2.3351     3.0311     3.0796     2.2479    -1.8903
   0.015703  -3.7428    -0.73821   -6.0073    -1.9923     1.1125
  -3.0709     6.8097    -4.7493    -3.6315    -0.23356    3.0888
   3.4965    -2.9087    -3.1141     4.5618    -4.1413    -1.282
   1.2667     1.8163    -0.098229  -0.774     -0.14386    1.5698
   0.90199   -3.9169    -0.76766   -0.48527   -3.7884    -1.5669
   0.91505   -1.4362    -1.2362    -2.0708     2.9691     0.33898
  -2.4303    -2.1668     5.0963    -1.7431    -5.6397     1.8561
   4.6277     4.3241    -2.6485    -3.5679     1.9038    -2.8212
  -3.6177    -1.435     -0.88334    1.8549    -0.16237    3.9232
  -1.7494    -0.80832    1.524      0.747     -1.2516    -2.0983
   1.6708    -4.7877     1.0579    -2.6834    -0.38591   -1.8085
  -3.9154     4.3882    -0.62291    3.0134     6.6874     2.3345
   3.0204    -1.3461     2.2993    -0.053433   0.090745  -1.2236
  -2.8014     2.5531     1.0523     0.042567   0.43887   -3.9645
   1.9121    -5.2406    -0.54822    0.97777    2.7107    -1.3799
  -0.71118   -0.10379    3.7396    -2.4728     1.7174     3.8304
  -4.297     -0.30548    6.1744     1.6619    -4.6398     3.077
  -0.40159    2.0203     2.7535    -3.4123    -1.8289     6.0284  ]
, [ -3.3899    -4.7034    -0.56101    1.2291     4.3298    -1.0775
  -1.3006     8.7939    -0.16669   -4.3738     2.3697     2.6438
  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
  -2.3145    -5.2688    -0.83724    1.5414    -3.5657    -2.157
  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
  -2.17      -3.2877     5.8554    -4.8534     7.503      6.1191
  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
  -3.982     -2.6949    -0.85431    3.454     -9.9227     0.5394
   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
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  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
   2.652      0.20803   -6.8805     0.67904   -3.6696    -4.0897
   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
  -3.9374    -4.4183     5.7504     5.0595    -3.2237     2.041
  -3.326      4.4349    -1.7377    -2.672      2.932      4.9633
   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
reducing [ -1.9699    -2.7602    -3.8062     0.44752    3.2999    -1.5203
   1.0613     4.2795    -0.61379   -0.11335    4.95       1.5442
  -3.1669     2.9187    -4.3175     3.5374    -0.24807   -2.716
  -1.6981    -0.03138    1.1866     1.6777     0.89365   -0.62074
  -0.75527   -1.5956     1.2804     0.56976   -3.5297     2.4651
   3.1629     2.2422    -4.9784    -1.9383    -1.268     -4.3521
   1.503      1.2484     0.55922    1.1656     2.1071     0.30904
   1.9185     0.82527   -3.3619     3.9838     6.107      0.32617
  -0.625      2.8613     1.9733     1.7826    -2.33      -2.8403
  -3.6547     3.9908     0.6678     3.7511     1.2366    -1.4219
   3.1088     1.0776    -2.433     -3.2432     2.0975     0.7759
  -3.0577    -3.1073     0.053208   3.4835     1.8801    -2.03
  -2.8711     0.8254     0.87982    0.088601  -3.6732    -1.9133
  -4.4548     1.4675    -4.1895    -3.6562     0.35603    1.5814
   0.28695   -1.2465    -1.726     -3.8427     6.0053     1.8987
  -4.2335    -0.13856   -0.30351   -2.841      0.92592   -1.7184
   1.7382    -0.23766   -1.7008     7.4844     2.4085    -1.4753
   3.2736     4.6163    -0.23168    8.0956     0.38767   -1.8444
  -4.0415    -4.2332     1.2318     1.3147    -3.3773    -1.5458
   5.1788     5.4253    -0.84705   -2.1784    -2.1774    -0.94253
  -4.4857    -2.4421    -0.51426   -0.15594   -3.5088    -1.6753
  -4.2762    -1.0548    -1.4092    -1.582     -4.4436     0.36873
   5.8208     1.5794     0.88386   -0.85616   -4.4052    -5.5666
   3.2464    -3.2863     1.3707    -2.4165    -0.30778    1.4606
   2.0066    -3.0133    -5.1894    -1.3879     4.8309     0.26615
  -2.1562     1.2535     1.6688     3.4794     2.9253     0.69162
  -0.71881   -1.1485     2.9445    -8.4477     1.817      0.099444
   4.3226     2.3767    -1.1939    -1.2202    -1.7437     0.54982
   4.6699     2.9032     1.4298    -0.69787    2.4529    -1.1784
   0.63378   -0.51051    2.7993    -0.19143   -1.8898    -1.1766
  -3.2133     0.40456    1.5045    -1.5656    -4.7685     1.7692
  -0.9294     1.3813    -3.0113    -0.26543    1.9338    -1.3722
  -3.3621    -2.9014    -2.3594    -2.5916    -3.7816    -2.6047
  -0.80415   -3.8126     0.46869   -1.5099     1.4553    -3.669
  -0.46111    1.8702   -10.269      4.1222     1.3803     3.21
   3.4885     2.7194    -0.50659   -2.1593    -1.5519     1.3203
```

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    4.9761    -5.5544    -3.8398     3.3984    -6.6188     4.2905
    1.7571    -5.9679     0.11937   -1.3401     0.292      1.8242
    0.72232   -1.9591     4.0965    -3.4226     0.12155    5.8841
    5.4176     1.7901    -3.9635     1.0384    -1.1755    -0.82563
   -0.28612   -1.6899    -0.33178   -1.2603    -2.6361     0.61544
   -3.3334     1.756     -0.53733   -1.0699     2.3828    -1.2949
   -1.1367    -1.9682    -0.13853   -3.2354     0.73635    0.49897
    4.2663     1.9358    -2.2513     4.099      5.0703     1.3921
    1.6642    -0.42509    1.6865     0.73623    2.1783     2.43
    3.2615    -2.0549     3.4169     1.9756    -0.58519    0.054628
   -0.86883   -3.4649     0.90121    0.41054    1.1003     3.8419
    1.9485    -1.1748    -1.1683    -2.3009    -4.532      4.9011
   -3.5772    -3.3134    -0.87083    0.40688    4.335     -4.5193
   -1.5637     4.3371     0.80721   -5.5802     0.30289    1.6057  ]
duplication [-1.7583   -2.7017    3.2519    1.0594    3.8551    0.19271   1.8807
   3.3218   -1.2546   -0.276     6.3824    2.4285   -4.6939    1.6061
   1.071     3.3477    4.401     4.6351   -5.8159   -2.1335   -0.86655
   1.4215   -3.6499    4.9335   -1.4234   -1.0979   -2.3907   -2.9019
  -4.7666    1.7811    0.67671   1.2469   -1.4504    1.9333   -0.94326
  -2.2127    4.1264   -0.98577   1.1505    0.050509  2.5049   -3.0406
  -0.89812   1.593    -3.8656    1.2087    5.5898   -0.45431  -2.4643
  -2.3567   -1.9555    3.5615   -0.62466  -4.6063   -2.9114   -0.63541
  -2.3199   -0.19696  -0.061506 -1.9749    0.81738  -0.47348  -5.103
   0.13351   2.5741    0.32868   0.73885  -4.0348   -0.31067   2.982
  -3.146     0.77509  -1.8406    1.1703   -2.9983    1.9666   -2.2922
   1.4097   -4.9581    0.72139  -3.8368    0.50117  -4.2686    2.009
  -0.33717  -3.1653   -1.8322    1.0262    3.0489    1.2314    0.20681
   1.9649    3.3148   -2.9435    3.5125    2.8192    0.34587   1.0586
  -2.3616    3.7611    3.88      0.96678   4.6913    0.83782  -0.23835
   7.3362    0.27058  -2.7659    0.7028   -1.2464    2.3525   -0.28414
  -2.8579    3.7426    0.86129   1.0196   -0.60143   1.6424   -1.6691
  -2.1324   -3.4005   -5.5592    0.55065   0.97107  -4.1331   -2.2058
  -1.0414   -4.237     1.8139   -5.447    -5.4284    1.9787    2.0676
   1.2054    1.0682   -1.2136    0.63068  -2.0398    0.55713   0.67964
  -0.53675   1.1267   -0.6681   -0.41218   0.40591   1.9978   -3.931
  -0.62398   3.5053    2.4429    0.68449   1.0483   -0.47615  -0.44342
   0.6654    0.81274   2.1172   -1.1743    0.68159  -2.4576   -0.41834
  -0.54423   1.4071    3.1221   -2.5329   -0.35178  -5.5165    1.6678
   2.1432   -0.26003  -1.7732   -2.0799    1.8911   -2.4407    4.4646
   3.3628    2.1245    0.82423  -5.7042   -0.21991  -0.6226   -0.61391
   0.71486  -1.852    -1.5598    1.585    -2.9163    0.72361  -0.15274
  -0.21419  -0.032047  0.32781   2.3513   -0.37066   3.7878    2.5541
  -4.6217   -3.4247    1.9418   -1.0098   -1.5968   -1.0679   -1.865
  -3.0803    5.2738    0.37057  -3.9961    3.2509    1.6444   -1.9431
   1.3861   -0.55811  -3.886     3.2104   -1.5615    1.7678    3.0958
  -5.095     1.9024    1.9125   -3.0202    0.61873  -1.6102   -2.1155
  -1.6912   -4.2891    0.32267   2.9399    1.9496   -1.6523    4.244
  -3.614    -0.9919    0.94173   5.7615   -1.3576    0.67525   1.4175
   2.6415    1.7275   -2.5572   -0.29053   0.32141   2.9815    0.92261
  -0.13561  -3.605     0.89697  -2.2076    1.615     2.1027   -3.0236
  -4.5096   -2.5554    0.63284  -2.8237    1.3493   -1.0043    2.0673
  -0.31929  -4.3627    5.9219    5.1277    5.1678    2.1763   -1.1729
   1.7845    1.9589   -1.6226   -1.0031   -2.412    -0.30105   1.0357
  -1.3561    1.8835   -2.7212    0.15092  -2.1483    0.38535  -0.43374
   3.0038    0.055583  1.5198    2.2251    1.7334   -0.19383   0.39603
   2.4621   -1.4299    0.59065  -0.21247  -1.0166    1.4625    2.1222
  -1.889     0.71841   0.95717  -6.4916   -0.54663   0.35611 ]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
   3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
  -4.1205e+00  1.5086e-01  2.8298e+00  6.9572e-01 -9.3532e-01  9.1541e-03
```

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  2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
 -1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
 -2.0166e-02  3.4880e+00 -3.0311e+00 -8.3404e-01  8.0265e+00 -1.3459e+00
 -2.2444e+00 -1.3351e+00  1.3528e+00  3.3609e+00 -1.2901e+00 -3.2747e+00
 -9.5598e-01  2.0673e+00 -2.6536e+00  5.8997e+00 -1.7266e+00 -7.8783e+00
  4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
 -1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
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 -3.4992e+00  3.0273e-01  8.9587e-01 -1.1921e+00 -1.0156e+01  1.9735e+00
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 -1.2210e+00  1.3295e+00  1.3526e+00 -6.4066e+00  2.2311e-01 -1.4229e+00
  9.6513e-01 -6.2025e-01  4.6217e+00  5.0426e+00  4.1352e+00  1.2105e+00
  3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
  1.1518e+00 -4.7666e+00  5.3092e+00 -3.3873e-01 -1.5671e+00  2.3032e+00
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  6.8709e+00  3.6498e+00  1.0743e+00  9.5033e-02 -4.2706e+00 -2.0494e+00
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  3.5625e+00 -3.1229e+00 -4.2329e+00 -3.7095e+00 -2.3100e+00 -1.5219e+00
  1.5750e+00  4.1633e+00 -1.3896e+00 -5.2737e+00 -4.6754e+00 -2.3137e+00
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 -2.8025e+00 -2.7819e+00 -3.0429e-01 -2.6890e+00 -1.5402e+00  3.5299e+00
 -3.0257e+00  2.5725e+00  1.2462e-01  1.0820e+00 -1.2301e+00 -6.6549e+00
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  3.2370e+00  7.6905e-01  4.5022e+00 -2.6482e+00 -2.8956e-01  3.0454e+00
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 -4.1349e+00  1.6034e+00 -9.3299e-01  4.5318e+00 -9.1945e-02 -9.5571e-01
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  5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
  2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
  4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
  7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
 -3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
 -2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
providing [-1.3737e+00 -3.4570e+00 -2.7048e+00  7.2593e-02  4.1187e+00 -2.3879e+00
 -2.7722e-01  4.2158e+00 -3.3241e+00 -2.6955e+00  6.8449e+00  2.0927e+00
 -6.1423e+00  1.4930e+00  1.3270e+00  3.7045e+00  2.9083e+00  7.0634e-01
 -3.8773e+00  4.3269e-01 -4.6744e-01  1.7561e+00 -6.9040e-01  4.8265e+00
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  3.2336e+00  6.9064e+00  1.7069e+00  9.1738e+00  4.8864e-01 -5.9014e+00
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 -3.4818e-01 -1.4641e+00  5.4565e-01 -3.4371e+00  7.1194e-01 -3.1788e+00
  2.3043e+00 -2.0139e+00  1.8878e+00  9.5204e-01  5.7455e+00  3.2788e+00
 -4.5995e-01 -1.0491e+00 -1.3372e+00  9.9798e-01 -3.7773e-01  4.0504e+00
 -2.3083e+00 -3.3504e+00 -1.8934e+00  8.9908e-01 -2.0674e+00 -1.0197e+00
  1.5120e+00  1.3884e+00 -3.6264e+00 -3.4207e+00 -4.4258e-01  3.0476e+00]
enabling [ 0.19986   0.054565 -1.7215   -0.30406   3.9849   -0.2316   -0.35243
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 -0.12377   1.0686   -0.74514  -3.1336   -3.4353   -0.27835  -2.0794
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  0.063201  0.54814   1.7827   -1.639    -4.1694    0.57497  -0.3954
 -2.4874    3.39      1.4434   -0.84137   3.2396    1.296     1.2146
 -0.81314   2.8889    3.3552   -5.4194   -4.6538   -0.46475   1.9174
  0.67215  -0.99845  -2.1855    2.1622   -2.4316    0.889    -2.1666
  1.6588   -4.0596   -1.2366   -3.5999   -2.606    -0.63788   5.9678
  0.072953 -0.62034   0.69925  -4.3804    0.081522 -0.55901  -2.2262
  3.5265   -1.7441   -1.1066   -1.1448   -0.16485  -0.31531  -1.3521
  0.57709   2.846     4.4674    1.3464    1.7015    5.5078   -0.048605
  4.6704   -0.56548  -5.2051   -1.0575   -1.7863    4.3852    0.46877
 -4.3302    0.41936   2.6908    0.71275  -0.23413  -2.7627    0.12092
 -0.92901  -5.5916   -1.3773    0.12714  -1.0907   -0.45732  -2.8902
  0.79558  -4.9453    3.7836   -0.25946  -3.9672    1.0012    4.5098
 -0.055335 -0.26329  -2.505    -2.4148   -1.6478    3.4569    0.12374
  0.20495   0.30001  -3.1484   -1.3661    2.6683    0.72161  -3.5936
  2.8629    1.8087    4.5158    1.2396    2.1489    3.7651   -0.29834
 -2.5331    1.2836    2.8115    1.0285   -2.0527   -3.3484   -1.1831
```

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  0.17903   1.621     1.7104   -0.97826   0.91661  -2.3085   -0.27049
  0.82605  -1.1957   -0.98564   0.042967  3.6217   -0.1267    3.9105
  1.4683    2.3761   -0.016462 -3.5397   -4.0571    0.32944   1.9846
  0.94652  -1.6269   -2.3551    0.7836   -3.234    -0.23097  -1.1789
 -1.0744    0.59311  -1.5814   -1.4939   -2.6765   -3.5381   -1.314
 -5.5538   -1.0169    1.7766   -4.6575   -2.4578   -2.4439   -0.79064
 -3.6303    2.4132    0.023875 -6.1797    3.3697    4.303    -0.69531
  1.0774    1.2514   -0.29994   0.27622   2.5693    1.7976    3.526
 -5.0614   -2.9205   -0.34067  -3.0878    1.6699    0.82317  -0.4168
  1.0176   -2.776    -0.28827   1.235     1.739    -1.8803    1.915
 -3.284    -1.5484    1.694     3.1167    1.003    -2.6257   -1.0158
  0.59455   1.107    -1.5793   -1.2635    0.077959 -2.5504   -1.1595
  1.2888   -6.1024   -1.4801    1.618    -0.042455  1.9405    0.15739
 -0.4631   -0.3356   -0.13515  -3.181     3.0192   -2.4248   -0.61042
  2.787    -2.2676    4.2503    1.5074   -0.30567   3.1603   -1.1723
  0.3637   -2.9625    1.245    -1.4677    2.5036   -3.1219    0.73212
  0.27415  -1.4466   -2.4292    2.1751   -3.3067   -0.042229  1.8906
  2.4194    1.44     -0.11389   2.5506   -0.9172   -0.55477  -0.59973
  4.7636   -1.4116   -0.50021  -2.6024    0.41541  -1.1845   -0.030312
  3.3424    1.3136   -3.2242   -2.9156   -0.39229   2.0125  ]
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 -9.9323e+00  3.8500e+00  5.5162e-01  6.4762e+00  1.6270e+01  2.8287e-01
 -1.9891e-01 -6.8024e-01  5.6872e+00  2.3320e+00 -5.1827e+00 -1.1052e+01
 -9.0753e+00 -7.7140e+00  5.2942e+00 -8.4062e+00  3.5339e+00  5.7073e+00
 -3.5595e+00  6.4748e-02  5.0286e-05  2.2772e+00  1.5312e+00 -1.2104e+01
  1.1697e+01  3.1172e+00  1.2409e+01 -2.9225e+00  3.4033e-01  4.2832e+00
 -9.8264e+00  4.0640e+00 -1.1671e+01 -9.8510e+00 -1.3919e+00 -5.3706e+00
  4.8537e+00 -1.1858e+01  7.3015e+00 -4.7101e+00  4.7406e+00 -4.4613e+00
 -3.8255e+00  6.2826e+00 -5.2355e+00  6.5506e+00  2.7690e+00  2.8569e+00
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  1.9157e+00 -6.2487e+00 -4.8719e+00 -7.5480e+00 -6.7414e-01  7.9720e+00
 -7.5165e+00 -6.5828e+00  5.3038e+00  5.1822e+00 -8.9691e+00  3.4030e+00
 -1.2262e+01 -3.7011e+00 -6.2159e-01  4.0970e+00 -1.0730e+01  1.0047e+00
 -2.2405e+00 -8.8812e+00  1.0971e+01 -7.6840e-01  4.7883e+00  1.9104e+00
  1.9301e+00  4.4811e+00 -7.9643e+00  1.2262e+00 -1.0377e+00  6.2550e+00
  5.8459e-01  9.8552e+00  4.8381e+00  3.2218e+00 -2.4746e+00  8.7936e+00
  7.1575e+00 -6.5542e+00 -8.5722e+00 -4.8591e+00 -3.7189e+00 -9.9886e+00
 -8.7317e+00 -4.0756e+00  6.8521e+00 -6.6975e+00  9.1205e+00  6.2413e+00
 -4.4696e+00 -1.4248e+01  8.3713e+00 -1.0585e+01  3.8070e-01 -6.5295e+00
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  5.7818e+00  4.3325e+00  1.4043e+00 -5.5234e+00 -6.3650e+00 -6.8365e+00
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  5.6114e+00  9.9294e+00 -1.0425e+00 -2.5208e+00 -7.1279e+00 -3.3542e+00
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 -9.9900e+00 -3.4104e+00 -1.3032e+01 -4.2529e-01  1.5566e+00 -1.0857e+00
 -5.4087e-02 -2.0184e+00 -1.6324e+01 -5.0229e+00  1.4560e+00  4.0786e+00
  7.5318e+00  8.1921e+00 -1.2861e+01 -1.0000e+01  2.2295e-01 -6.4354e+00
 -1.3453e+01  1.2180e+00 -3.4212e-01 -2.1673e+00 -5.1843e+00  2.3981e+00
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 -5.7170e+00 -6.8546e+00  7.8203e+00 -8.7235e+00 -1.3889e+01  1.1658e+01
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```

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  7.1376e+00 -4.2737e+00  5.1006e+00 -9.4068e+00  1.0899e+00  1.8832e+01]
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 -5.7795e+00  4.8401e+00  1.9303e+00  2.2643e+00  2.1977e+00  1.5397e+00
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  5.6218e-01  4.9743e-01 -6.9498e+00  5.1000e+00  3.3259e+00 -1.4646e+00
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  4.8930e+00 -1.6845e+00 -5.8260e-01 -5.4807e-01  1.1115e-01  3.0771e+00
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  2.1222e+00 -4.1580e-01  4.4502e+00 -1.7992e+00 -1.6034e+00  1.7100e-01
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  -5.4589     3.3491     4.0331     5.1368    -3.0016     4.3627
  -3.1921    -4.6624     6.065      1.0278    -2.302      2.6546
  -1.9866    -0.21586   -4.6756    -4.2126     4.552      0.77829
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  -0.52113   -0.84522    0.10093   -2.5028     2.6867    -0.84121
  -0.37885   -0.56571    1.2562     6.6634    -1.9635    -2.7044
  -1.8338     1.4503    -5.5413     0.53806    1.909     -4.3604
  -0.86049    0.15564   -0.057504   2.5934    -1.0942    -4.2068
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  -2.4823    -1.4451     3.8664     3.2508     0.709     -7.5112
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   1.2065     0.26367   -5.4167    -0.076605   2.0729     2.9393
   5.6086    -5.1065    -6.0031    -8.8691    -2.94      -4.2458
   1.2601    -0.52265    2.8109    -5.1576    -0.89284   -5.5403
  -0.022148  -4.0596     2.8102     5.4515     3.7201     4.075
  -0.71997    5.9415    -2.6638     8.1691     1.8681    -3.4162
   4.2461    -6.8624     3.1882    -0.4499     0.063048  -0.16861
   3.6927    -1.8523     3.2277     3.5668    -3.4561    -5.5913
   2.2796    -2.5602     1.428      2.4142    -5.0458    -4.963
  -1.8568    -4.4842     9.3988     0.42451   -6.124      1.76
   7.9648    -0.7214     1.4532     0.079124  -2.2448    -6.2389
   6.4109    -5.4421    -3.03      -0.86801   -1.5012     3.9477
   0.626     -2.527     -4.6932    -4.1336     3.0797    -0.7578
   0.47471   -3.9851    -2.7405     6.6635    -4.3966     0.091831
   3.4679    -4.3882    -3.5193    -3.215      0.53177  -10.145
  -3.6675     2.8422    -3.0878    -3.3131    -5.1698     5.8547
  -4.9446     2.1182     6.5677    -1.5897     6.6044    -0.42473
   2.5703     1.6542     0.34148    3.595     -4.7446    -0.33757
  -4.4217    -2.8226     0.57885    0.9309    -3.7374     6.857
   1.7744    -0.59106   -2.513      2.5205     0.15392   -5.4111
  -2.8938     1.0658     3.5868     4.1083    -4.1611     1.4998
   7.6785    -0.8571     3.1202    -1.302      6.9192    -1.7415
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   0.16089   -2.8217    -1.2326     6.4057    -1.2017     6.3644
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   4.2499    -4.8036     3.6152    -3.3564     1.8638    -0.3509
   6.352      2.6335     1.0899    -1.5143     1.4211    -1.5987
  -1.368      2.3843     1.7801    -1.9951     1.3563     0.36591
  -2.1273     2.8705    -3.7035     6.1364    -0.54319   -0.43826
  -7.0011    -0.47665   -0.05765   -4.2569    -1.6078    -3.9866
   3.3549     3.7918    -3.704     -0.79204   -0.67857    1.6942
   2.2772     2.4775    -0.62661    1.9642    -6.8387    -1.3194
   0.91723   -1.3952     4.9849     1.9167     5.1416     0.9232
   8.0659    -6.865     -0.10635    1.0187     5.8111     3.0619
   6.2548    -3.1919    -0.80506    3.3508    -4.5188     5.566
  -0.12391    2.7124     0.13658   -3.6298    -2.6504    -5.227
  -2.7731     3.1695     2.7796     0.73668   -0.627      0.071074]
Task [-2.8809    0.47154  -0.86529   8.687    -2.5314   -3.1846    2.9817
 -1.5167   -0.67108  -0.63037  -1.0651   -2.8971   -0.66967   2.1643
  1.714     4.9895   -0.44287   1.3351   -2.4904    2.9809   -8.6428
 -1.708     3.3311    1.4651    0.60318  -5.8737   -0.4938    1.9738
 -2.2024   -1.6593   -3.7517    0.67351   4.8621    3.9446    0.3816
 -9.0064   -0.25408  -8.8644    4.2706   -1.8228    1.2171    1.8032
 -2.7085    0.13312  -4.8399   -0.69585  -2.4483   -0.16661   3.6263
 -3.6571   -0.15862  -3.6357    4.5321    1.3239   -2.9727    5.6857
 -6.2636    2.9532   -2.775    -7.1849   -0.28552   3.7619   -8.0804
  6.637    -0.63012   3.7897   -6.5531   -4.3181   -0.20207   1.3502
```

```
 4.4031    2.5543    4.2532    0.35754  -1.1673    4.2991    7.0945
-1.2092   -7.4376    3.5553   -6.8895   -0.75572  -0.52098   6.9024
-0.26234  -2.8543   -1.4322   -3.3967    1.7128   -0.75201   6.2212
 0.45422  -3.2186    9.1137    4.3843    5.3372   -1.9132   -0.36748
 2.7725    3.2969    3.4979   -1.4889    2.9406   -0.97723  -6.4492
 2.7261    1.6193    1.54      5.6891   -3.8631    5.6451   -0.85267
-3.8418    1.2362   -0.86782   2.7334   -6.114     0.86431  -3.463
-1.9658   -2.8495    3.4235    7.9356   -6.4792   -3.7869   -3.2497
 7.0675   -6.8287    6.7749   -1.4664   -8.9466    1.7372    3.5444
 2.2218    3.1723   -6.2548    3.363     0.19629   0.24264   3.42
 3.9501   -5.4743   -4.4413    3.4281    0.72225   1.4434   -3.2515
 0.91471  -1.0882   -0.019328 -0.4846   -1.9228   -6.1349   -3.9113
 0.88333   2.6947    7.6035   -0.17883  -1.6664   -1.8061    3.6172
-5.654    -3.7786    7.6298    3.1862    0.63991  -0.73284  -3.8238
 3.8526   -6.6095    3.4579   -1.3173    3.0421    2.6801   -8.8991
 1.1402    2.5861    4.9596   -0.98521   6.8804    4.9003    3.4362
-2.1585    5.7803    0.20774  11.248     2.1453    2.4899   -4.6796
-5.8819    3.024    -1.3287    0.10502   1.3344    0.50189   1.6997
-3.0121   -3.3949   -2.0716    4.5587   -6.0169    2.0422   -0.95084
 1.7117    3.9985    3.0063   -3.1128   -0.70361   0.82918  -1.5007
 1.587     0.071749 -4.1478   -1.3348   -3.439    -2.9974    1.8689
 0.77036   4.2399   -3.005    -1.0812    3.5009   -2.4108   -6.95
-3.6594    2.5332    2.942    -8.3515   -6.412     0.9606    6.2162
 0.63972  -1.6725    0.10059  -0.15436  -4.2363   -6.6652   -0.34735
-0.46821   5.9771    1.0425   -3.0384    4.6921    1.0189   -0.17106
 3.15     -1.4296    0.85628  -1.9808   -1.9983    3.5735   -4.082
 2.6775   -2.6254    3.7841   -2.1475    0.99907   3.6196   -2.0945
-0.50169  -1.2562   -4.0322    3.2839    2.3295   -0.16902   1.0581
 0.40513   1.8126   -0.12483  -3.4886   -4.9484   -0.4154    1.655
-5.8434    3.4154    0.76469  -6.6908    3.3788    4.5063    3.232
 6.1367   -2.386    -1.0131   -2.0777    0.73929  -4.5016   -3.3389
 0.62753   2.4436   -3.5977    0.21338   6.7265   -1.6762   -0.13559
-0.50392  10.844    -2.7785   -5.7346    1.9624    5.9754  ]
Force [ 5.7186e-01  6.4519e+00  1.6768e+00  1.0792e+01 -2.8590e+00  6.6506e+00
 -2.6914e+00 -4.2037e+00  8.1279e+00  3.9603e+00 -1.7334e+00 -1.9083e+00
  1.1575e+00  1.6370e+00  2.6105e-01  5.2649e+00 -6.6297e-01  3.8421e+00
 -3.5770e+00 -7.8258e-01  1.9411e-01 -5.0350e-01 -3.6976e+00  1.4770e+00
  8.9958e+00  2.6554e+00 -6.1889e+00  1.8267e-01  3.8571e-01  4.1140e+00
 -5.9770e-01 -4.6040e-01  8.3857e-02 -1.6286e+00  5.6907e-01  2.1940e+00
 -3.2409e+00 -3.5251e+00 -1.4363e+00 -3.6700e+00 -1.0682e+00 -3.5269e+00
 -1.8238e+00  1.4685e+00  6.4780e-01  1.0992e+00  1.8584e+00 -6.1294e-01
  2.3650e+00 -4.6173e+00 -5.5640e-01  2.4564e+00  3.5342e+00 -4.3584e+00
 -1.6774e+00  1.4362e+00 -3.5558e+00 -4.6820e+00  3.2730e+00  6.4680e-01
 -2.4457e+00  5.9024e+00 -6.4803e+00 -1.2645e+00  4.8772e+00  1.6346e+00
 -1.9852e-01  1.8867e+00 -1.1745e+00  4.0754e+00  3.8331e+00  4.4510e+00
  3.6704e+00  2.9216e+00 -5.7781e+00  4.5541e+00  9.1716e-01  3.2261e+00
  1.3317e+00  3.4763e+00 -6.3853e+00 -4.7271e+00 -3.0153e+00  6.0634e+00
  1.2035e+00 -1.8098e+00  3.6089e+00  2.8116e+00  7.6380e-03  3.1838e+00
  8.9892e-01  5.8321e+00  3.9132e+00  1.2409e+00  5.1448e+00  1.2330e+00
  1.2294e+00 -1.8626e+00  4.3540e+00 -1.0511e+00  2.2723e+00 -4.3769e+00
 -2.0836e-01 -1.5768e+00 -2.9069e+00  1.7783e+00  4.7224e+00  1.5790e+00
  4.7650e+00 -6.5096e+00  3.9218e+00 -3.9694e+00  1.4499e-01  1.3798e+00
 -1.6794e+00 -3.1942e+00 -2.7414e+00  1.5709e-01 -4.3654e+00 -5.9022e-01
  5.1476e+00 -6.4225e+00 -1.3321e+00 -3.8543e+00  6.2600e-01 -1.2507e+00
  3.8844e+00  4.3457e-01  5.1416e+00 -2.1969e+00 -6.1063e+00  2.6454e+00
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  7.4810e-01 -2.9142e+00  1.6812e+00 -4.3937e+00 -8.9811e-01  1.2728e-01
  2.6429e+00  9.9061e+00 -4.4054e+00  2.9024e+00 -3.1530e+00  1.9470e+00
 -1.2656e+00 -1.6594e+00 -3.0697e+00  3.0381e+00 -2.9886e+00 -2.4696e+00
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  3.3793e+00  8.8776e-01 -5.2261e+00 -5.4930e+00  5.6339e+00  1.1629e+00
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  5.7414e+00 -3.0986e+00 -2.2256e+00  4.2169e+00  6.9148e-01  3.6686e+00
 -2.9952e+00  4.6111e-01 -1.2021e+00  4.9063e+00 -2.8927e+00 -2.9354e+00
  3.1809e+00  3.5262e+00  5.3398e+00 -3.5584e+00  7.1790e-01  2.3069e+00
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  4.8115e+00 -4.9475e+00  4.5186e+00 -5.5173e+00 -1.4322e+00 -2.1191e+00
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 -7.6125e-01 -5.3104e+00 -5.3345e-01  3.6390e+00  2.9913e+00 -3.6954e+00
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 -3.2762e+00  4.1970e+00  9.7565e-01 -3.3590e+00 -5.0459e+00  6.7548e+00]
Lima [ 1.1477    1.0402   -0.84697   1.7925    3.598     1.9846   -0.29948
 -3.6691    0.63227   2.2477   -2.593     2.6181    1.0622    1.4522
 -5.3791    2.2082   -4.6471   -0.50862  -0.61093  -5.8504    0.3327
 -1.452     3.5273    2.6059   -3.0485   -0.46643  -3.6464   -3.9431
 -1.9587   -1.6694   -0.13185   2.5109   -1.1644    0.61091  -2.1542
 -4.4843   -2.7007   -3.1326   -2.1436   -1.6827   -2.1192    0.23701
  1.0317    2.1301    1.4801   -1.6703   -3.5373    5.1488    1.6944
 -0.82871   1.3396   -0.61311  -0.2166    1.9542    1.9075    0.31036
  1.0225   -3.6844   -2.4057    0.14734  -1.6388   -0.17178   3.3749
 -0.41104   3.008     1.4388   -0.1014   -1.3104    0.073149  2.4714
 -1.3633   -4.2447    1.3584    0.15912   1.7873    0.15468   1.585
  4.548    -0.62666  -0.16512  -1.1649    0.62303  -0.99283  -0.60834
 -0.19979  -3.2107    0.1529   -1.3261   -4.9986   -4.2618    2.825
  0.44113   3.436     1.6313   -3.5719   -1.0909   -0.23961   1.5232
 -0.10329  -1.3125   -0.22902   1.2371   -2.4552    5.4205    1.4447
  0.19187  -4.3745   -3.8994    1.0742   -1.0408    2.436    -2.9431
  0.061242 -1.1971   -3.033    -2.7721    0.75656  -0.96262   0.44754
 -1.451     1.6082    2.1915    0.67064   2.4902    1.7802   -0.14684
  1.0235    1.2218    2.8309   -2.8062   -1.5399    0.21424  -0.094733
 -0.74605  -0.38397   0.83743   0.97697  -0.67796   1.5137   -1.7575
 -0.91725  -0.6449    0.84226   4.0303    1.7266   -0.43735  -1.5398
 -4.6541    3.5546    1.2312    4.8264   -6.0825   -0.41345   0.21398
  0.99376  -0.49211   1.7481   -3.4578    0.60888  -2.7047    4.2352
 -5.4872    1.5513    1.5905    1.5007    1.9468    1.1701   -1.9188
 -1.423     1.1872   -0.98137  -0.46051  -2.4719   -3.0845   -1.673
 -0.059733  1.2577   -4.554    -0.37027  -1.0445   -2.4014    1.6256
  1.3485   -0.051783  0.85571   3.6751   -1.1624    1.3207    1.6931
 -2.473     1.0475   -3.9823    1.9273    0.096576  2.9939    0.59426
 -1.1269   -0.72786  -2.7406   -1.474    -0.071435 -0.38638   1.0059
 -1.613     1.1926   -2.9621    0.12208  -3.5185   -1.1043   -2.1012
 -1.3041    0.26705   0.73836   1.8443    4.0269    0.19054  -4.3901
  1.2115    1.1808    2.1938    1.0586   -1.0091   -3.2707    5.8369
 -1.0866    0.11      0.78284  -2.5961   -4.5442    1.2239    2.2777
  4.8442   -1.9242   -1.1603   -0.65396  -1.2127   -4.0867    4.3447
 -5.1791   -0.8645   -1.5728    1.3298    0.11773   0.55239  -2.1261
  5.0418    3.8761   -1.4943    1.775     1.1738   -1.306    -2.5594
 -3.4543   -1.7616   -0.95188   2.3337    0.12263   2.222     5.0368
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 -1.7974    2.272     1.0449   -1.2524    2.0043   -3.3958   -3.8044
  4.2478   -0.5086   -2.2256   -2.7226   -0.78833  -0.022199  1.4284
 -2.8879    0.94057   2.7109    0.27079  -2.9614   -0.48012   2.0567
 -0.47047   3.1007   -0.94233  -2.3545   -0.12188  -3.691     0.59171
 -2.1783    1.3089   -2.446     0.77626  -2.221    -0.65827   4.4978
 -0.74999  -2.0397    3.9914   -2.8723    0.37645  -2.6953  ]
will [  5.7965     8.5346    -5.6739    -2.091      2.751      3.5831
  -0.55339    1.2735    -3.2584    -3.2023    11.79      -1.5255
  -9.2389     1.2868    -0.98657   -2.3334     3.0047    -3.7578
   1.5341    -3.7657     4.7461    -4.2746    -0.55568   -2.1767
  -5.885     -2.2625     2.773     -0.86392   -0.30748   -1.5284
   4.7015     2.3621     0.80633   -6.8267     2.7686     7.3446
   3.4873     0.3394     7.8788     3.9904     7.0396     5.423
  -0.15523   -1.6532    -8.5985     6.2303    13.209     -2.1457
   0.50695    1.6953    -1.04       0.43339    3.2297    -4.0014
  -4.0949     0.54245   -2.1379    -1.7136     4.5384     4.7074
   5.804      1.9537     2.4382    -4.8227     5.2994     1.0235
  -0.32344   -4.6091    -2.5893    -1.5729     2.5397    -1.8659
  -6.8636    -5.6238    -4.0364     1.5102    -2.2078     3.9671
  -2.4289    -6.0022    -5.2509    -7.0466    -1.2689     7.9356
  -6.174     -3.5539    -3.7658     1.3039     2.1334    -2.0403
   0.038492   1.0471    -4.7961    -1.8907     5.4888     3.1597
   1.7851    -8.1536    -0.86218    5.446      5.2122     2.7856
   1.7926    -0.22734   -3.3384     5.5943    -1.2006    -4.4339
   0.21409    2.3994     9.397     -1.2545    -0.43271   -2.6855
  -1.7638     2.024     -2.7725    -1.0238     6.1654     1.9017
 -10.242      1.9815     0.35745   -0.72478    1.7054    -0.94932
   5.3413    -3.6169    -1.0476    -1.7834    -1.0442    -3.9308
   5.5011    -3.6935    -4.4389    -4.5653    -1.2687     0.2267
   2.5109    -2.6288    -6.4963    -5.05       2.1382     1.35
  -3.1582     1.7336    -2.0345    -0.19203   -3.8275     0.50571
  -0.68677    6.9743     4.5506    -9.2499    -1.6431     1.8257
   7.4017    -0.65034   -1.4925    -0.95581   -3.0662     0.27275
  -2.8431    -2.4764     0.037165  -0.59377   -5.4072     6.9208
   3.2642    -0.83      -0.25424   -2.9604     6.0846     5.1607
   1.0156    -2.8131     2.5366     3.4056    -0.10574   -7.112
   2.6385     4.6404    -0.0513    -1.3058    -3.4157     4.3231
  -3.1762    -2.1646     1.047      1.168     -3.2582     4.7939
   0.35562   -1.7694    -4.6858     1.8448    -2.156     -1.0533
  -4.1987     2.7183    -2.8702    -6.0741     1.9852    -5.1548
   0.83949    0.71973   -1.4554     5.5555     2.3205    -0.83465
   8.6527     1.3848    -0.71182    4.7165    -0.75804    3.5093
  -2.742    -10.581     -1.2914    -3.815     -5.0292     3.5505
   4.1291    -3.0292     1.5122    -8.1979    -3.7469     7.1188
  -0.47811    2.3346     2.956     -1.0275    -2.4933    -1.6575
   3.9407     1.4183     0.81885   -4.3796     0.55164    1.103
  -0.8983    -2.9967    -0.91276   -5.964      1.394      6.5352
  -7.5815     2.4419     2.0433     3.6855     1.6431     2.1755
   0.47747   -4.0621     0.66601   -4.2164     2.327     -0.31244
   2.6826     5.0034    -1.514      8.0234     0.054039   3.5375
   5.5598     4.5338     1.9506     1.4051    -8.7107     1.6073
  -0.088689  -0.38628   -0.52716   -5.4102    -2.8146    -1.7952
  -1.0133     1.8451    -0.64149    6.7231     1.8515     0.18237
  -1.7887     1.773      3.1719     0.58374    0.60003    4.3918
  -1.6596    -4.7747     0.48421    2.5627    -2.0123    -2.313
   1.3578    -2.2741    -4.6926    -2.4413    -5.1667     2.4027  ]
be [ -9.3526     3.6551    -3.2571     5.9911    -6.4846     7.1636
  -6.8778     5.8018     0.44651    2.9207     3.9148    -6.2731
  -2.715     -7.5783     9.1041     8.4921     0.2554    -3.7184
 -17.598     -5.4603    12.39      -5.4436   -12.536     -4.2497
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   4.0462     3.933    -21.218     10.063      3.6847    -1.982
  -2.8951     4.1914     9.94       3.4236    -1.1198     4.9074
   0.12695    4.5187     1.0551    -6.3807    11.955    -20.982
  -0.79906   -3.4104    -2.8713     9.7351     1.0543   -19.779
  -2.6041    10.358     -7.4775     0.80235   -6.4462     6.5963
   2.6957    -1.4382   -14.456      7.0566     9.8913     7.3564
  -2.7102     4.7989     2.117     23.469     -9.483     18.556
   6.2634    -0.68159   -8.9222     3.1222    -9.9134   -13.277
 -14.698     -0.61453  -11.278     15.269     12.153     -6.4362
   8.3168    -0.57617   13.039      4.6912    10.783      9.01
   8.9161   -22.341     14.51     -13.179      8.3981   -12.374
   1.3767    -6.2885    -7.3373     3.4127    -6.9619     0.14025
   1.1062    -8.4468    -5.9806     5.8997   -14.608     -4.3463
  -2.4014     1.1681    -6.5925     5.7863    -6.0112     4.3464
   1.8992     6.6762   -19.689     -8.1288    -0.47884    2.9776
  -7.7057    -5.3311    -3.163      1.8049   -13.747     -7.7368
   4.6773     7.0958    -0.12492    8.9914     0.057951  10.575
  -4.3069    -3.9989   -12.594     -3.7506   -13.177      2.4683
  13.555      6.6845    -5.1778    -1.6986     2.911     -9.5964
   2.6086   -16.294     -2.7324   -16.234      4.2044    -0.61636
  -1.5742     2.7457    -6.331     13.058      0.43878    3.8143
   5.8193    -0.86261   -2.4524    -6.0752    -6.5281    -2.0051
 -11.717     -6.7138    -9.3846    -5.5737   -23.195     -8.2222
   7.2239    -0.78353    2.1891     3.9541     2.3293     2.673
  14.28      -5.1953    -2.9145     1.2234     8.5788    -9.7768
   1.2007     1.3975     1.5516     4.6011    10.246     -7.4564
   6.4294    -9.424     16.276     19.669    -10.695     -4.1896
  -4.3465     2.1809     1.3355     0.89022  -11.424      5.3054
  -1.0236    -4.0745   -11.403      9.2941    -2.9423    -1.6396
  -6.3623     5.7996    -7.8407     1.1229    -8.2714     8.2435
  -3.1096     1.6742    -4.314     14.231     -2.228     -1.1961
   7.9856    -8.366     -1.8845     6.8101    -0.27822   -9.636
   5.753     -4.7637    -2.5273     3.2163    -8.4082     9.0843
   2.4414    -1.5656     3.2841   -13.151     -0.22789    5.2239
  -3.0686     3.1545   -10.091     -1.0263    -5.8367    -6.5495
 -11.279      5.0036     3.2708     9.3458   -11.598    -14.334
  -6.3938     6.2889    24.726     18.409      0.88376    1.6211
  -1.5313     5.2386     4.2653    -8.2703    -2.2532     8.3013
   4.068     -6.9995     0.92292   10.527     11.084      5.0838
   8.7199    -4.2912     6.5145    17.065    -14.813     -9.5256
  13.802    -13.014     -9.3042    -6.6577    -4.0327    -8.4919
  -9.6338     8.3126    -3.6277     8.0586     0.76819   -9.4156
  -2.7627     2.215     15.5      -13.929     18.177      7.2288
  10.556      6.9498    12.967     -9.9268     3.3723    14.011
  -4.4623     8.0295     2.123     -5.4425    -0.48176   11.279   ]
able [  6.3911     7.1476    -9.7163    -0.059883   1.7406     2.0385
  -0.51114    1.1892    -6.5163    -1.6737     9.3907     7.0881
  -9.9477     3.9861    -0.039458  -3.2504     3.0477   -10.621
  -3.0643    -0.59355    3.6064    -1.3214     1.0983     0.23185
   0.95918   -6.9566    -3.4211    -0.26026   -1.4981     4.9059
   5.3377    -4.2236     3.5132    -3.3103     5.364      3.4566
   3.8786     0.16655    7.98      -1.6525     2.0537     2.5387
   1.4788    -2.9348    -5.7111     6.2024     7.4939     2.0864
   4.6328    -2.2458     2.9602     3.4189    -1.1832    -1.2129
  -4.6167    -4.5869    -3.277     -0.030119   4.3994     1.0386
   4.7853    -0.58732   -2.5191    -4.325      4.6581     0.64142
  -3.7015    -2.6967     0.54501    1.2783     1.6748    -3.4479
  -1.8689     0.44806    0.48463    5.6033    -1.6375    -0.10891
  -6.0212    -4.2803    -9.0621    -3.2343     2.3864    11.883
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   -1.2886    -2.6653    -1.2212    -8.9594    -1.7153     2.946
    0.69388    7.8361    -8.6034    -3.7572     6.4749     3.8587
   -1.0065    -4.5805    -0.73633    1.2577     5.6992     3.7428
    5.0721     1.1539    -9.2828     6.7763    -3.4512    -7.7918
   -0.057537  -3.6836     9.629     -4.2786    -1.9232    -3.9043
   -0.9581     2.134     -3.8968     1.5137     8.435     -3.0174
   -2.5472     0.5569    -7.3793    -0.3088     3.8702     0.14264
    2.7114    -9.0132     5.7961    -1.8178     0.039882  -0.32639
    6.8842    -0.84128    2.4427    -4.0531    -2.5175    -0.32533
    8.2219    -1.2836    -3.7716    -1.6588     2.2481     0.43234
   -0.48864    2.2835     2.5415     7.6684    -0.31135   -1.719
   -2.6299     8.487      6.7216    -8.9689    -0.75527    1.8889
   11.982     -3.4407    -5.6954    -2.5393    -0.87568    3.282
   -2.6496    -0.5134     7.2783     1.4245    -4.2634     0.81476
   -4.6554    -4.128     -2.3215     0.98874    5.0565    -4.0481
    5.8293    -4.1753    -1.0812    -2.8282    -4.7605    -7.5826
    0.60908   -0.96658    3.45      -7.4627    -6.7233    -1.3741
   -6.2031    -3.1203     3.0354     0.17784    0.39603   -0.23774
   -5.1124    -6.8295    -3.8879    -0.25518  -10.84      -3.6142
    0.6945     5.4332    -6.06      -2.1742    -2.401     -5.6716
   -1.7168     2.5376    -4.1149     4.1618     1.4145     0.22138
    5.2236    -0.8246     1.8417     1.5304    -1.3292    12.936
    2.3239    -8.2916    -3.3633    -3.5014    -2.1885     2.5049
   -3.6202     0.23413    1.1704    -4.1367    -1.1748     0.47126
    6.3583    -0.53763    0.11645   -4.1082     1.9835    -1.6026
    4.0683    -2.8223     0.21152    1.9091    -0.17899    4.6344
   -3.6992    -0.58164   -2.972     -1.8674     8.7378     6.434
   -3.1106     2.8686     5.2056     4.7463     6.8297     4.5976
   -3.8765     1.6787     3.1138   -10.208      4.3174    -3.026
    0.93319    4.1765    -1.6509     7.4021     1.3623    -2.084
    1.3794     7.2385     6.3242    -0.47659  -11.589     -0.47256
    0.39488    5.0537    -0.93493    4.4116    -1.2807    -4.9609
    6.0876    -4.1474    -7.9841     4.1612     5.7675    -0.44088
    3.6854     1.6021     5.3476    -6.2994     3.1155    12.791
   -1.9435    -2.1521     1.4172     0.41434   -6.1183     1.4223
    2.443     -2.0566    -5.606     -3.815     -3.1285     4.6228  ]
to [ -1.6487    17.345    -10.544     -5.9622    -0.62663    6.1333
    2.8189     4.353     -8.8053     0.49059   13.532      3.8955
   -9.9592    10.517     -7.6648    -0.33846    4.2488   -15.801
  -12.043    -17.231      4.0247    -5.198      6.8311    -2.1601
    6.4235    -5.9245   -14.053      9.1828   -11.675      0.058439
    4.4808     1.2818     0.7828    -5.8951    -7.3496     2.9614
    4.7236     2.7117    -1.1461     5.5246     7.126      2.6371
    4.3845    -2.1783   -12.564      5.6906    11.126     -2.2415
  -10.457     13.941      0.35958   -6.4322    -5.5809   -15.542
  -10.281     -4.5077     3.157     -2.1723    13.403     -2.9759
    0.55043   -5.0459     2.0105    -0.3298    14.582      4.4477
   -2.9263   -12.578     -2.2486    -0.63238    1.8889    -8.2455
   -1.4346    -0.49186   -6.7697    11.174    -11.771      9.9599
  -18.968     -5.1987   -15.727     -8.261      2.829      3.8224
    0.65411   -1.5006    -6.0135    -0.07877    5.9894    -7.2596
   -1.3184     5.6402    -2.4028   -13.122      8.2616     0.61058
    1.621     -2.835     -0.3117     6.8564     7.6696     7.3899
    6.9498    -6.7385    -5.7285     6.2594    -2.3019   -17.677
   -2.5252   -17.014      5.4735     1.2296    -1.3125     5.5553
   -1.2816    -5.7456     5.411     -9.3004    12.578     -9.6541
  -12.763     -5.0389    -3.808     -2.3271     8.6696    -6.9217
    4.8346    -4.2388    -4.2196     5.9097    -4.8698   -11.799
    2.602      6.2935    -3.4795     0.12039  -10.437      7.4117
    6.8943    -2.7751   -13.191     -7.7892     5.4757     0.60757
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 -13.363     12.089      0.15567   -8.773      0.63318    1.6568
  13.405     -3.5052   -11.923      2.9829    -7.2823    -4.9493
  -1.3943     9.2445    -5.9298    -5.6543   -19.768      2.9046
   0.63348  -14.77       2.0691     3.5536     5.1381     8.4516
   6.2288    -0.50351   -3.9968   -11.396     -9.8528    -9.3682
   2.5061    -0.39275    5.7985    -6.666    -10.626      5.5052
 -10.553     -5.4094     9.002      1.2487     3.0593    -8.2973
  -6.0451    -2.9417    -9.046     11.229     -1.656      0.40181
  -9.7356     1.8927   -11.465     -3.1163    -5.2063    -3.2945
   1.8724    -4.1817    -3.1019    -1.3423     9.4105     1.8639
   2.4237     1.6805     2.7494    10.424      0.99916   10.243
   0.82325   -6.4866    -3.6871    -4.8911   -15.808      2.4345
   3.7826    -7.1179     1.0321   -12.513     -1.5532     1.1583
  -3.1122     5.4431    -4.3394     2.2898    -4.3176    -3.063
  14.028      7.0546    -2.8733    -4.7531    -5.1521    -3.8885
  -5.8118    -2.9632     4.66      -0.84753    4.536     12.276
   1.1527     2.9274     0.81129   -3.6126    -6.7552    -6.3087
  -1.3408    -8.1937     5.3534    -6.2536     6.0349    -5.5841
  -4.1231     4.8027    -6.24      17.979      8.1697    14.307
   4.5956    -3.222      2.2384     2.0045    -0.31237   -2.4608
  -3.8688     0.22105   -1.4455    -6.5106     0.12751   -2.8742
  -1.1653     1.4179   -11.052      2.5249    -7.727      0.94859
  -2.9805    10.626      8.041      1.0823    -0.73508    9.9117
   0.76912   -1.4568    -0.39609    0.59853   -7.7645     3.6955
   4.404     -4.5819     1.7475     5.5988   -16.921     13.92    ]
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 -2.4046e+00  4.3163e+00 -1.7804e+00  5.7740e+00  9.8070e+00 -1.6468e+00
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  2.3251e+00 -1.5963e+00  2.8100e+00 -1.1057e+00 -1.4866e+00  8.9758e-01]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
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  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
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  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
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  2.7413e+00  2.1358e+00 -2.7505e+00 -1.1987e+00 -6.4908e+00  1.3424e+00
  1.4893e+00 -1.8716e+00  2.8296e+00 -5.3080e+00  5.1784e+00 -1.8339e-01
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 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
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  1.8763e-01 -4.2169e+00  4.0743e-01 -1.1800e+00 -5.2174e+00  8.7247e+00
 -2.5949e+00  1.4874e+00 -7.0560e+00 -1.6384e+00  2.9549e-03  6.3286e+00
  1.4910e+00  4.4328e-01  6.1122e+00 -8.0740e+00 -1.7362e+00  6.3054e+00
  2.6566e+00 -6.5135e-01 -9.6859e-01  5.0822e-01 -1.1677e+00 -4.1731e-01
  1.4866e+00  1.3182e+00  1.3838e+00  6.2296e-01  1.3744e+00  5.9588e+00
 -5.2347e+00 -2.6428e+00  9.5187e-01 -5.3128e-01  2.2787e+00 -1.0626e+01
 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
  1.1804e+00 -1.6421e+00  3.7709e+00  1.2545e+01  9.6831e+00  3.1599e+00
```

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  3.0962e+00 -4.5380e+00 -5.6059e-01  4.3790e+00 -7.2785e+00  2.7534e-01
  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
effective [-1.4238e+00  1.7077e+00 -3.5113e+00  2.8780e+00  4.9156e+00 -1.8400e+00
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 -8.1685e+00  2.7140e+00 -9.8436e-01  5.1257e+00  1.2835e+00  2.0712e+00
 -1.4152e+00 -7.3610e-01 -9.7621e-01  3.4428e+00 -4.1433e+00  2.3049e+00
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  3.5624e+00  1.1868e+00 -8.0850e-01 -5.0431e-01  2.0228e-01 -3.2492e+00
  3.8922e+00  2.3895e+00  1.9163e+00  1.2706e-01  2.7120e-01 -8.9860e-01
 -1.8999e+00 -8.7573e-01 -3.6580e+00  6.2405e+00  7.8081e+00 -4.0268e+00
 -4.8169e-01  4.5761e-01 -3.1938e-02  1.7533e+00 -3.6888e-02 -3.3860e+00
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 -2.4174e+00  1.3205e+00 -5.6224e+00 -1.6804e+00 -3.6645e+00  1.0344e+00
  5.6732e-01 -9.1779e-01 -4.8813e+00 -4.1221e+00  5.0394e+00  2.4125e+00
  1.8780e-01  1.8294e+00  1.4377e+00 -3.8723e+00  1.0675e+00  1.2150e+00
  2.7602e+00  1.6154e+00  2.8046e+00  2.2100e+00  2.4300e+00  9.2518e-01
  2.6399e+00  2.4611e+00 -4.6518e-01  8.5121e+00 -1.3286e+00 -1.9115e+00
 -1.6521e+00 -1.8136e+00  2.4338e+00 -2.2657e+00 -3.8499e+00 -2.2373e+00
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 -4.4032e+00  4.4155e-01  1.8318e+00  2.9641e-01 -7.9965e-02 -4.1646e+00
  1.9957e+00 -6.6762e+00 -9.4577e-01 -1.9027e+00 -1.4476e+00 -6.3422e-01
  4.1060e+00  4.4383e+00  9.0860e-01 -3.3874e-01  1.7478e-01 -2.0864e+00
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  2.4195e+00 -1.2593e-01 -4.3271e+00 -3.4917e+00  3.5971e+00  1.4204e+00
 -5.4056e-01  3.6572e+00 -2.0269e-01  1.0846e+00  1.6150e-01  1.7317e+00
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  2.3985e+00  2.9044e+00 -1.2294e+00 -2.7999e+00 -2.8851e+00  1.1639e+00
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  1.3497e+00  1.8504e+00 -1.1899e+00  3.3793e-01 -2.5907e+00  2.8359e+00
  5.8865e+00 -4.2628e+00 -7.9246e-01  3.2077e+00 -6.0017e+00  5.6791e+00
 -8.1516e-01 -1.0468e+00  1.0559e+00 -2.3681e+00 -1.1534e+00  5.3884e-01
  1.6687e+00  6.3291e-01  3.5722e+00 -2.1053e+00  4.7798e-01  2.9053e+00
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 -2.2512e+00  4.1364e+00 -6.8291e-01  3.6729e+00  3.3435e+00  5.9713e-01
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  1.0305e+00  5.4812e-01  1.4404e+00  4.4887e+00 -2.2397e+00 -3.2706e+00
  2.8531e+00  2.5925e+00  1.4893e+00  6.3616e-01  4.6931e-01 -3.2305e+00
  1.0291e+00 -3.6888e+00  9.5822e-01 -3.3665e-01  7.5244e+00 -2.1902e+00
  3.3101e+00 -7.9713e-02  2.3197e+00 -1.8163e+00  2.6615e+00  5.9612e-01
 -3.5354e+00 -8.8159e-01  7.5688e-01 -1.4791e+00 -8.6468e-01  7.5884e-02
 -4.9933e-01  3.2216e-03  4.7737e+00 -4.0319e+00 -2.0749e+00  4.0565e+00]
and [-3.3477e+00 -6.0854e+00 -3.6366e+00  5.3480e-01  8.4195e+00  1.3784e+00
  3.1166e-01  5.6086e+00 -7.7685e-01 -3.3725e+00  5.4329e+00  5.6387e+00
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```

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 2.0191e+00 -4.0832e+00 -4.8968e+00 -1.9113e+00 -1.5628e+00  3.5496e-01
-1.6256e+00 -1.2456e+00  1.9968e-01 -2.3400e+00 -4.9446e+00 -6.0552e-01
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 4.7405e+00  2.5866e-01 -2.7322e+00  1.0752e+00  1.0980e+00 -6.0148e+00
-1.3032e+00 -1.1575e+00 -1.1644e+00 -3.0110e+00  9.2055e+00  2.0158e+00
-2.0257e+00 -3.7185e+00  2.2678e+00  1.1666e+00  4.1012e-02 -5.4005e+00
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 3.1075e+00  3.0936e+00  3.4680e+00  6.2522e+00 -1.7095e-01 -8.5023e+00
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 4.8141e+00 -4.1234e+00  7.3336e-01 -1.4880e+00  1.3210e+00  8.3106e-01
 8.2333e+00 -1.8785e+00 -9.6345e+00  2.9099e+00  1.2752e+00 -1.2896e+00
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-2.2869e+00  6.1725e-01  1.1460e+00  5.8239e+00  6.3025e+00  2.3757e+00
 5.1220e+00 -8.3089e-01  8.9626e-01  3.1396e+00  8.7682e-01  3.4618e+00
 2.2022e+00 -1.5004e+00  3.6908e-01 -1.9465e+00  1.7115e+00 -2.9974e+00
 4.6474e+00 -3.9453e+00 -1.8677e+00  1.3982e+00  6.2974e+00  2.5338e+00
 7.0744e+00  5.1378e+00  8.5509e-01 -4.4000e+00 -5.4350e+00  2.6714e+00
-3.2437e+00 -1.9313e+00 -4.8934e+00 -1.2057e+00 -2.7239e+00 -2.6058e+00
-2.9018e+00 -3.0609e-01 -5.0277e-01 -6.2077e+00 -5.5469e+00 -1.9963e+00]
responsible [-2.1442    0.58512  -2.6965   -1.6536    5.0151    1.7962   -0.89602
  3.4172   -0.94495  -1.8927    3.4022    1.6593   -4.5847    3.5986
 -1.2656    2.596     2.5777   -3.4749   -0.35068   2.6216   -2.0226
  0.47066  -3.7638    1.618    -0.97551  -1.2139    0.060835 -0.53754
 -0.61636   1.3428    3.3806    2.8991    0.70211   0.6558   -0.86816
 -2.7697   -0.59473  -0.42885   2.8718    1.7311   -2.7751    0.50465
 -1.9535    2.407    -5.1833    3.0516    3.414    -4.9793    0.11029
 -0.82427   0.42542   2.7943   -0.54034  -4.3198   -1.3194    0.18556
 -1.7866    0.49805  -0.42299  -2.5186    2.7196   -1.0286   -2.5584
 -0.017131  0.85241   3.3265   -2.9336   -4.1714    2.8498    2.8785
 -0.5063    1.4407   -2.27     -2.0168    0.51685  -1.7305   -2.1768
  4.1542    0.94238   0.16795  -2.7293   -0.58879   1.0574    3.7968
 -1.8332    1.711    -5.9291   -3.3743    1.7898   -2.1949   -0.069008
 -2.4374   -0.70549  -2.6852   -0.15303   1.7879    0.21749   2.4013
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 -0.59403   1.2954    4.1052    2.7416   -0.83748   1.3731    0.099865
  6.6703   -1.9607    0.24631   0.72805  -3.6223    2.5755   -2.2306
 -0.97059  -2.1017    2.0478    4.3478   -1.6781   -0.40698  -0.14341
 -0.5176   -2.1858   -2.0485    3.1738    0.42629  -0.96277  -1.848
  3.0126   -1.8235    4.688    -4.0434   -3.49      0.14916   2.679
 -0.027005 -0.89265   2.2902   -0.64732  -2.2318    2.1191   -2.5874
 -2.681     0.36687  -1.2375    3.0843   -0.77433   1.7516   -2.6119
 -2.7168    0.070711  1.3898    1.5395   -0.5918    2.5631    1.7158
 -0.39026   0.10039   3.0344   -0.67824  -3.9307   -3.9555    1.5761
 -2.1692    0.60067   3.702    -1.2364   -1.2172   -2.3189   -0.55684
 -0.70272  -1.66      0.64173  -0.82016   3.5861   -0.86565   1.9425
  1.7411    3.2382    0.64193  -3.1496    0.78775   0.13455   2.5471
  1.8933   -1.7936    0.93656  -1.2913    1.0682    0.24831  -0.10972
  0.32807   2.5696   -1.4695   -0.46697  -1.1353   -0.64342   1.4971
 -5.3275   -1.9725    0.30996  -2.2533    0.080738 -0.46317  -0.68594
 -0.089312  3.7507    0.64824  -4.4119    3.1637   -0.50174   2.3414
 -0.35037  -0.82043  -1.1565   -0.44002  -2.41      4.6245    4.3154
 -3.5497    4.01      0.93841  -2.97      1.4806   -1.704    -0.52631
 -1.6815   -0.90132  -3.089    -0.47541   2.8503   -0.58068   0.49533
 -2.3527   -2.9106    2.4427    6.1999    0.6832   -0.69905   2.4829
 -0.65702  -0.23625   2.1827    0.36439   3.2065   -2.0805   -2.7416
  1.4084   -4.4514    0.52806  -0.49697   4.7653    4.8187   -3.9706
 -5.0372   -2.2562    3.7753   -5.9311    1.6974   -2.0467    0.067218
  3.3401   -1.3885    5.5582    1.9969   -0.32544   1.7877   -0.68715
  1.4318    1.0337   -2.7567    1.145     2.2623    3.6532    4.6041
  0.51328   2.3956   -0.33924   2.6804   -2.6537    1.7572    4.3915
  3.6787    0.20617   2.7505    0.056597  0.90131  -2.06      2.5551
  2.4098   -3.9071   -0.37891   1.4082    0.28413  -2.0104   -1.8313
 -6.4581    0.58756   0.33727  -2.8963    0.91684   2.0434  ]
implementation [-2.2979e+00 -1.4178e+00  3.1261e+00  1.5464e+00  2.8858e+00 -2.9871e-
01
  1.6426e+00  3.2495e+00 -1.4697e+00 -2.7550e+00  7.4961e+00  2.9808e+00
 -5.5350e+00  1.4628e+00 -8.4588e-01  3.8281e+00  5.3096e+00  2.5631e+00
 -6.4970e+00  1.6083e-01  7.5565e-01  5.8616e-01 -3.7656e+00  3.9139e+00
 -2.9201e+00 -2.5789e+00 -1.4256e+00 -8.1077e-01 -4.0770e+00  7.2765e-01
  1.3717e+00  2.9670e+00  3.6164e-01 -1.2479e+00 -3.7854e-01 -3.9516e+00
  2.7297e+00  4.1903e-01 -4.5425e-01 -1.6930e+00  2.5484e+00 -2.7233e+00
 -3.6777e+00 -1.1893e+00 -3.4744e+00  8.2081e-01  3.9980e+00 -2.8951e+00
 -2.7363e+00 -4.8193e+00 -2.9888e-01  3.9819e+00 -8.3176e-01 -5.0653e+00
 -4.7410e-01  1.6664e+00 -4.1588e+00  2.2876e+00  3.9526e-01 -5.3017e+00
  2.0497e+00 -1.0425e+00 -3.1729e+00  2.7481e-01  3.2804e+00  2.3417e+00
 -3.1042e-01 -5.2694e+00  1.7311e+00  4.1036e+00 -1.7562e+00  1.1308e+00
 -3.2518e+00  1.4612e+00 -1.8402e+00  1.9147e+00 -1.8757e+00  1.5916e+00
 -2.3625e+00  2.0125e-01 -3.2679e+00 -8.5725e-01 -3.1632e+00  3.8909e+00
 -1.1427e+00 -1.1944e+00 -3.4592e+00 -3.4034e+00  4.0299e+00  3.6284e-01
  6.5758e-02  1.2172e+00  3.0985e+00 -3.1450e+00  1.0937e+00  4.0188e+00
 -5.6026e-01 -8.0822e-01  1.5013e+00  3.0791e+00  5.6741e+00  8.0205e-01
  5.2526e+00  2.7705e+00  9.3854e-01  8.1942e+00  1.3163e+00 -2.1643e+00
  1.1589e-01 -5.3940e-01  4.3532e+00  3.1425e-01 -3.8975e+00  2.3041e+00
  2.6869e+00  3.0175e+00 -2.3345e+00 -1.5639e+00 -4.3523e+00 -2.0324e+00
 -3.3919e+00 -4.7696e+00  1.2247e+00 -1.0517e+00 -3.5240e+00 -2.1521e+00
  9.7927e-01 -5.7487e+00  3.1854e+00 -5.5986e+00 -6.6400e+00  1.8931e+00
  6.2168e+00  6.8428e-01  1.5434e+00 -2.6377e-01 -9.2018e-01 -2.0305e+00
 -5.5482e-01  5.4845e-01 -5.4560e-01 -7.4961e-01 -7.8502e-01  9.1597e-01
  3.0424e+00  2.1886e+00 -4.1614e+00 -2.1600e+00  1.8349e+00  5.4119e+00
  3.7568e-01  2.6095e+00 -1.2438e+00 -2.9488e-01 -2.3182e+00  1.1174e+00
  2.2581e+00  6.7377e-01 -1.3080e+00 -4.4087e+00 -5.0279e-01 -1.2511e+00
  8.5153e-01  3.9829e+00 -1.4352e+00 -3.4286e+00 -3.8888e+00  1.2287e-01
  2.6355e+00 -3.5322e+00 -1.5361e+00 -3.5496e-01  9.7968e-01 -8.4359e-01
  2.6691e+00  3.3378e+00  3.4052e+00  1.1068e-01 -5.8515e+00 -4.9840e-02
```

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 -2.2226e+00  1.5801e+00  2.6736e-01 -1.6113e-01 -1.2333e+00  2.4061e+00
 -2.7659e+00 -3.0944e-01  1.7261e+00  1.0196e+00 -2.1434e-01 -1.8931e+00
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  6.3927e+00  1.3931e-02 -3.9990e+00  1.6346e+00 -9.5861e-01 -2.8553e+00
 -3.8926e-03 -4.4836e-01 -2.7058e+00  2.8374e+00 -4.9884e-02  1.5841e+00
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  8.5381e-01  1.8696e+00 -4.6927e+00  6.3264e+00  3.7745e+00  4.0950e+00
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  6.1791e-01 -1.5435e+00  2.2325e-01  1.4208e-01 -9.7368e-01  2.1564e+00
 -3.3810e-01  1.0484e+00  1.2709e+00 -5.8376e+00 -4.1673e-01  3.1632e+00]
of [-12.667     -6.568     -0.61537    4.9492    22.389      2.0801
   2.3228    11.243      9.9503    -8.4631    15.482      7.1873
  -5.0023     0.78472   -0.5293     3.687     -0.25719    1.6776
  -4.9576    -4.4928    -2.8919    -6.0213    -6.5132    12.358
  14.433     -2.3726     7.4689     5.6612    -0.83442    8.3075
   1.8904    -8.7446     2.9264   -12.088     -5.9273    -6.8889
  -1.5864     6.1506    -4.5834     3.9353    -5.0807     1.7025
  -6.686      2.1081    -7.6174     3.625      3.4636    10.978
   2.6462     0.16217   -9.3867     9.8213    -0.88525   -9.6741
   3.9125    -0.84682   -1.2667     1.8843     3.0548   -12.389
  -2.1142    -3.0401     5.1057    -0.029813  -4.1447     4.6207
  -3.556     -5.2786     5.2225     4.4204    -2.5684     4.42
  -5.5672    -7.9199    -1.5292    -4.3125   -12.033     14.956
 -13.107      4.7516   -13.247     12.929     -1.7277     3.3617
   5.4739     6.7001   -13.022    -11.402      1.5567     1.357
  -8.5561    -2.7115     3.1369     1.2579    -5.3425   -12.055
   3.3399    -1.3634    -6.4028     8.3323     7.5483     6.0207
   2.711     17.107     -9.2652     6.2524    11.207     -8.1336
  -0.63469    7.4826     5.9851     7.843    -10.373      2.8563
   2.3344    -0.79072   10.623     13.145     -8.1474    -0.91547
  -3.9093    -1.7907    12.998      4.3126    -7.9588   -12.959
  -4.2593    -5.126      9.9037     1.1696     0.2393     5.3139
   9.1737     5.1071     4.7454     8.6958    -4.7283    -7.3881
  -5.353     -6.5763    -0.27503    2.7373     3.3596     5.2776
   4.4331     2.6809    -8.1981    -3.8707    -2.5763     4.1216
   2.0074     1.862     -3.4484     7.9878    -4.0771    -2.2948
  -3.7501    -5.4446    -2.7036     3.7922     1.3469    11.879
   6.4672     8.5983     3.8564    -0.67028    4.2223    -7.381
   9.4206     6.688      2.8492   -11.221      9.7632    -3.3357
  -7.2258    -4.9063     6.8963     5.2122    -7.218     -0.77411
  -0.9108    -3.3884     5.7078    -0.5396    -0.52968  -10.289
  -5.5984     9.9026     0.56485    0.033487  -2.4532   -13.305
   7.4826    -8.3255     0.60487    5.0644    -1.2985     4.2398
  -0.59503   -1.3722     1.6634    -5.8088    -7.5909    -3.5636
  12.503      6.9943   -17.327     12.41      13.097     -1.6856
   3.9169    14.395    -11.583     -2.9242     5.6316     4.5767
   1.4372    -2.0338    -6.7832     5.1318    -1.8165    15.465
  -0.87271    3.2441    -5.1716     5.3247     0.62725    5.6402
   1.8897    -1.8938    11.417     -5.8655     3.8948    11.085
   7.7894    18.608     -3.1164    -0.64892   -0.096788  -6.2979
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 -12.051     -5.9399    -3.8548     3.7942    12.426     -8.4208
 -16.285      1.4604     0.82687   -6.3887    10.292      3.2191
  -3.3132     3.3773     3.5908    15.121     13.526      5.2244
   2.6965     2.3931    -2.5204     2.4566     3.1298     7.3385
  -3.8662     4.1851     9.5609    -7.1911     4.298      9.0596
   8.894     -0.62772    4.0362     3.0782     0.82646    6.0641
   8.9245     2.9563    -1.5334   -12.728     -1.9228     5.9504
   7.8449    -7.1788    -5.2482     9.6856    -0.45098   -2.2526
  -4.305      1.1597    -4.9613    -8.0021    -0.31712   -7.7062  ]
LLMs [0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
throughout [-5.8007e-01  2.5872e-01 -3.9477e+00  1.7149e+00  5.5195e+00 -3.5991e-01
  1.5643e+00  3.5858e+00  1.1659e+00  9.6434e-01  5.8514e+00  5.0773e-01
 -4.3440e+00  7.0425e-01  4.6089e+00  6.6812e-01 -3.2928e+00  2.2789e+00
 -2.4624e+00  2.7519e-03  7.1772e-01  4.2764e-01 -2.5905e+00 -4.9561e-01
 -7.7191e-01 -9.2871e-01 -6.8349e+00  4.6450e-01  1.2382e-01  2.7952e+00
  2.2789e+00 -1.0401e+00 -8.7853e-01 -5.6587e+00 -1.6650e+00 -1.4347e+00
 -2.1865e+00  3.2132e+00  2.4776e+00 -1.0073e+00  2.3635e+00  1.5954e+00
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  1.7992e+00  2.5951e+00 -1.9089e+00  1.0896e+00  1.0789e+00 -4.0297e+00
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 -1.8481e+00  2.0454e+00  1.1553e+00 -1.4502e-01  1.7664e+00  3.3577e+00
 -1.8770e+00  3.6343e-01 -5.2963e-01  7.3907e-01  3.3896e-01 -2.6524e+00
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  2.4898e+00 -2.5756e+00 -7.1357e-02  5.6231e+00  3.2848e+00 -3.2326e+00
  1.9624e+00  1.7988e+00  2.2213e+00  5.7225e+00  2.6301e+00 -4.5759e+00
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  4.3300e+00  1.4558e+00  1.3202e+00  1.5182e+00 -4.7773e+00  1.0429e+00
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 -3.3212e-01 -3.0573e+00 -1.5725e-01  1.9437e+00 -4.4205e+00 -9.9337e-01
 -2.0722e+00  5.6933e-01 -2.2662e+00 -3.6574e+00 -1.6163e+00 -2.4599e+00
  6.0643e+00 -2.1010e-01 -4.8103e+00  2.0937e+00 -5.1989e-02  3.9765e-01
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```

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  5.5396e+00  6.9410e-01 -2.6310e+00 -1.2236e+00 -2.2160e+00 -5.4745e+00
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  2.5409e-01 -8.8111e-02 -7.7227e-01 -8.8885e-01 -1.4086e+00  3.4474e-01
  1.3396e+00 -2.7003e+00  1.1056e+00  1.6436e+00 -2.0024e+00 -1.3397e+00
  8.5808e-02  2.5679e+00 -1.6387e+00 -2.8611e+00 -2.2982e+00 -6.7547e-01]
the [-5.1043e+00  2.3496e+00  3.2472e+00  2.8424e+00  1.1459e+01 -2.4137e+00
  5.1057e-01  7.0312e+00  3.6459e+00  6.2332e-01  1.3633e+01  4.5813e+00
 -1.0584e+01  1.2630e+00  6.3362e-01  7.4645e+00  6.1468e+00  3.9474e-01
  1.4378e+00 -4.1540e+00  2.0000e+00 -3.8488e+00  7.3414e-01  2.1209e+00
  2.1068e+00  1.8713e+00 -7.8175e+00 -4.4352e+00  2.2135e-01  3.9262e+00
  2.8473e+00  2.0265e+00 -1.8189e+00 -9.2866e+00 -8.2191e+00 -1.7172e+00
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 -5.7476e+00 -1.0917e+00 -1.1058e-01  2.7065e+00 -4.5004e+00  5.5528e+00
 -7.4396e+00 -1.8884e+00 -5.0159e+00  7.8553e-01 -4.2467e-02  3.2823e+00
  5.8371e+00  2.8223e+00 -4.7819e+00 -4.0965e+00  3.8425e-01  1.3066e+00
 -1.5229e+00  4.3565e-01  3.8789e+00 -4.8557e+00  5.8081e+00 -7.7726e-01
  4.3211e+00  4.6135e+00  4.2278e+00  5.8454e+00  4.0931e+00  7.6313e-01
  8.2298e+00  3.2500e+00  1.1713e+00  4.9618e+00  3.8678e+00 -4.8282e+00
 -9.8280e-01 -3.0029e+00  2.0229e+00  4.2098e+00 -7.2674e+00  5.8495e+00
  1.1730e+00 -1.5662e+00  1.4491e+00  1.4227e+00  1.2867e-01  4.0703e+00
  4.9251e-01 -4.4845e+00  4.0733e+00  3.0339e+00 -3.3840e+00 -5.2706e+00
  3.3339e+00 -7.2218e+00  5.6753e+00 -4.5924e+00 -1.1599e+01 -1.0203e+00
  5.8945e+00  1.7762e+00 -1.0363e+00  2.5350e+00  1.4402e+00 -3.1572e+00
  2.4663e+00 -4.5771e+00 -7.4574e+00 -6.9813e-01 -1.9212e+00  6.5128e+00
  6.4388e+00  6.4317e+00 -6.9971e+00  1.8715e+00  6.2365e+00 -2.5091e-01
 -1.7363e+00  9.5132e+00  1.4306e+00 -2.5112e+00  4.0763e-01  3.7422e+00
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  3.5250e-01  1.8829e+00  6.9355e-01 -4.1332e+00 -2.2120e+00 -2.8912e-01
 -5.2159e+00 -3.3565e+00 -2.6745e-01  3.9148e+00 -2.7248e+00  3.7187e-01
 -6.4571e+00 -9.2446e-02  2.0403e+00  5.5114e-01  1.1552e+00 -1.9635e+00
  7.6531e+00 -3.4696e+00  4.7709e+00  1.0621e+00 -6.7008e+00 -1.9478e+00
 -2.0715e+00 -5.2312e-01  1.4389e+00 -5.0093e+00  4.3909e-01 -7.2692e+00
  8.7121e+00 -7.6601e-01 -8.1995e+00  1.4594e+00 -2.6537e-01  3.5587e+00
  5.4031e+00  3.7896e+00 -9.2572e+00  3.4277e+00  2.5215e+00  4.1383e+00
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 -1.2064e+01 -1.6146e-02  2.7706e+00 -4.3249e+00  6.7169e+00 -2.9383e-01
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  1.0549e-02 -2.9399e-01  8.3850e-01 -3.7402e+00  3.6582e+00  3.0861e-01
  1.3038e-01 -5.0155e+00 -7.4336e-01  3.2874e+00  1.0577e-01  3.7003e+00
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  2.4759e+00  3.9932e+00  2.7957e+00 -4.1682e+00  3.0442e+00  1.2622e+00
  1.0991e-01 -3.9761e-01  1.3023e-01  1.3929e+00  3.3822e-01  7.0100e+00
 -1.6916e+00  3.6008e+00 -1.2658e+00 -7.6875e+00 -2.5128e+00  6.9342e-01]
DoD. [ 3.1224   -1.6951    1.423     4.374     1.8912   -2.8909   -2.7915
 -1.2337   -2.524    -1.4394   -1.0665   -1.6499   -0.26282  -1.4221
  1.851    -0.15794   2.7927    1.3748    2.425     6.6728    2.4107
  0.78734  -0.94877  -3.7821   -2.7751   -0.81173  -0.57502  -0.60321
 -0.094408 -2.1716   -3.5085    0.42459  -0.74932   5.4024   -1.2101
  1.1279   -5.3761   -2.7595    5.3656    3.6107    1.6649    3.156
 -1.5613   -1.5126   -1.8686   -6.547     4.6544    1.2681    2.9451
  2.5089    5.5911   -5.9815    2.7892   -3.9687    0.18256   3.5735
 -3.545     2.9169    0.55086   0.81166   1.1024    0.83028  -4.2154
 -0.26771  -1.3915   -4.3944    1.6316   -2.9421   -5.5713    4.617
  2.4163   -0.39508   3.6869    0.51982   2.1444   -2.1489    3.2116
  1.5207   -1.5202   -5.6037    0.74798  -1.047    -2.6799    6.1696
  2.9013   -1.0815   -6.3405   -0.77106   6.1292    0.5135   -1.0692
  3.0194    4.2558    4.4456    7.4534   -0.18991  -3.7005    3.5689
 -0.055573 -0.041312 -1.7152   -0.86278   1.1604    2.0881    0.61714
 -1.212    -1.104     2.8533   -0.55935  -1.699     8.8923   -5.1894
  1.4321    1.7616    1.929     0.62278  -1.6666    2.2201   -1.8631
 -3.5364    0.6323   -5.3638    3.3308   -4.3064    0.29432  -2.8675
  6.7616   -0.058911 -3.1414    0.71998   0.91363  -0.90857  -1.6308
 -3.9712    1.9774    2.8477    2.0988    2.7712    3.8955    2.0299
 -5.9046    2.8768   -1.235    -1.2126   -1.1214    0.7398    1.0069
  4.8112   -4.5686   -4.72     -5.9487    1.0315   -4.2371    1.8185
  0.14757  -0.95769  -0.66934   1.8031   -2.4781    3.4821   -0.12205
 -1.589    -2.166     2.3129   -0.21776   3.6545   -0.065789  3.7077
  3.5312   -3.9976   -4.3038   -3.3933    1.2833    1.128     1.5496
  0.81427  -1.2535   -2.5144    4.0533   -0.83948  -0.056528  3.8042
 -5.2988   -0.28554   4.5729   -3.8982    1.878    -0.573     0.71799
 -0.45691   3.4392   -2.0737   -3.1526    0.064273 -1.3937    8.0969
 -5.3271   -3.0445    1.4941   -1.2593   -2.693     3.8876    2.7783
 -4.7014    3.4489    6.7307    3.548    -1.2951    1.2484   -0.10883
 -6.2016   -7.8173   -0.91244   3.3611    3.5194   -0.71117   3.3978
 -1.8752    1.6013   -2.8477    0.86191  -1.284     0.44929  -2.7436
 -1.3465    4.1256    4.5058   -1.1766   -1.0848    0.92973   0.48075
 -0.48092  -6.8059    2.6736   -1.6285    1.9443    1.1254    1.6699
  2.5012    4.2957    2.1697   -5.1503    6.0471   -0.5885   -7.5918
  3.491     1.3213   -5.0026    3.4781    2.3081    5.425    -6.1352
 -2.0737   -2.873    -3.8701    3.9341    5.1707   -3.8014   -2.5429
  0.85045  -4.4971    1.6086   -2.3625    1.3576   -8.3571   -1.9279
 -0.35443   3.643    -3.9768   -2.3616   -7.8518    0.25706  -4.5311
  0.98883  -0.21701  -0.2945    1.3339   -4.2002    0.20593  -0.55855
 -2.9875   -1.5283   -2.2444    0.70994  -0.54503  -0.28427   4.4207
  4.9382    1.0235   -0.81902   5.598     4.9802    4.3504    0.42361
  0.69247   0.10159   6.0904   -2.896     1.1097    3.5557  ]
” [ 3.4795e+00  2.5236e+00  4.1156e+00 -8.6533e-01  1.7935e+00  1.0307e+01
  4.2534e+00 -1.0944e+01 -1.0672e+01 -1.8425e+01  1.4004e+01  1.1387e+00
  5.6221e+00 -2.1393e+00  2.2315e+00 -9.0514e-01 -2.4562e+00  3.5317e+00
  9.1204e-02 -3.3242e-01  2.9498e+00  7.2433e+00  7.9996e+00 -7.1088e+00
 -9.5325e+00 -9.3627e-01  9.4870e+00 -6.4368e+00  1.2151e+00  1.5027e+00
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  7.2863e+00 -1.2668e+01  5.1070e+00 -1.8290e-01  5.6010e+00 -1.0392e+01
 -4.4515e+00 -2.7056e+00 -7.4310e+00  3.1905e+00  4.6635e-01 -6.5661e+00
  6.1587e-01 -6.9348e+00 -3.1336e+00  1.2988e+00  3.0448e+00 -5.2704e+00
  3.2636e+00  5.2553e+00  4.4019e+00  3.5556e+00  1.7151e+00  5.5191e+00
  1.0651e+01  7.1255e+00  6.5455e+00 -7.4957e-01  2.6581e-01  3.8996e+00
 -3.6999e+00 -2.1901e+01 -8.6685e+00 -3.6633e+00  4.4888e+00 -2.1993e-01
  4.7457e+00 -2.1938e-01  1.7529e+00 -4.7162e+00  2.5769e+00  6.2641e+00
 -9.6689e+00  8.0026e+00 -2.3921e+00 -9.6044e-01  6.6856e+00  5.5901e+00
```

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  8.1997e-01  6.2485e+00  9.5520e+00 -3.0288e+00 -3.1226e+00 -4.7422e+00
  8.8199e+00 -4.2749e+00  1.3008e+00 -6.0224e+00 -1.2686e+01  6.8175e-01
  3.3945e+00  2.7172e+00 -6.7947e+00 -2.6182e+00 -1.9675e+00 -3.0406e+00
 -2.9354e+00  1.0294e+01  3.3965e+00  6.3775e+00  9.1588e+00 -5.9524e-01
  2.5948e-01 -4.1843e+00  4.6894e-01  6.0235e+00 -2.0175e+00  6.6618e+00
  3.4736e+00  5.7208e+00 -3.8084e-01 -1.5805e+01 -1.0551e+01 -7.5519e-01
 -2.5604e+00 -1.3254e+01  1.0182e+01  8.3581e-01  3.2652e+00 -2.1343e+00
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 -9.4072e+00 -4.6351e+00 -1.3187e+01  4.0158e+00 -1.5866e+01 -8.5002e+00
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 -3.0304e+00  6.1217e+00  6.5384e+00 -1.4904e+01 -5.2084e+00 -6.0792e-01
 -4.8602e-01 -1.4743e+00  4.8695e+00 -3.7248e+00  9.3506e+00 -1.2180e+01
 -2.6309e-01 -3.6486e+00  4.7180e+00  2.2564e+00 -2.4257e+00 -2.9764e+00
  7.0483e+00  1.0542e+00 -1.9687e-01 -6.0197e+00  2.5798e+00 -2.4096e-01
  2.5070e+00  1.6523e-01  1.1344e+01  2.2004e+00 -3.5661e-01  3.8837e+00
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 -5.0566e+00 -2.0011e+00  6.0797e-01  5.6577e-01  5.3224e+00 -9.1434e+00
  6.0967e+00  2.6622e+00 -5.7625e+00 -2.1923e+00 -3.2738e+00 -1.1584e+01
  7.8540e+00 -5.0157e+00 -4.3026e+00  6.4212e+00  9.5911e-02 -4.2032e+00]
' [ 2.1733e+00  2.2656e+00  1.1688e+01 -3.2787e+00  1.1763e+01 -9.7600e+00
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 -1.3710e+00 -1.4547e+00  6.2033e-01 -2.9890e+00  7.0487e+00  4.1470e+00
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 -1.2410e+01  6.3301e+00  5.2918e+00  8.7964e+00  4.4449e+00 -1.9861e+00
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  9.3077e+00  6.3626e+00 -6.0870e+00 -5.2043e+00 -1.3369e+01 -5.9765e+00
  3.5048e+00  1.3987e+00  1.1288e+00  5.7131e+00 -8.8139e+00  1.6532e+00
  1.6568e+01 -2.8254e+00  1.0149e+00 -3.8926e+00  4.7697e-01 -5.4097e+00
 -1.0863e+01 -8.7071e+00 -1.2830e+01 -5.3529e+00 -3.1677e+00 -9.3625e+00
 -3.9396e+00  8.6821e+00  4.4132e+00 -1.0103e+01  4.8932e+00 -2.5471e+00
  8.3154e-01  4.6479e+00 -2.1071e+00  6.0926e+00  2.7302e+00 -4.8760e+00
  1.3685e+00  3.0325e+00 -6.8966e+00 -7.2913e+00  4.6340e+00 -5.0145e+00
  2.1431e+00  8.1502e+00  1.9595e+00  1.4260e+00 -2.7158e+00  3.2278e+00
 -3.2224e+00  2.6595e+00 -3.4143e+00  1.0837e+01 -7.2426e+00  7.9709e+00
  8.9716e-01  6.3933e+00 -8.6916e+00 -1.6411e+00  7.0030e+00 -1.9697e+00
  8.7993e+00  3.3014e+00  7.5854e+00 -7.1287e+00  8.3755e+00 -1.3418e+00
 -5.0081e+00  1.8062e+00  3.0551e-01 -1.0653e+01 -9.6309e+00  8.4872e+00]
```

In [105…

```
defense = text_proc.vocab['Defense']
defense.similarity(text_proc.vocab['Pentagon'])
```

Out[105]:

```
0.5738525390625
```

In [100…

```
defense.similarity(text_proc.vocab['department'])
```

Out[100]:

```
0.39202940464019775
```

In [101…

```
defense.similarity(text_proc.vocab['AI'])
```

Out[101]:

```
0.15967799723148346
```

In [102…

```
defense.similarity(text_proc.vocab['task'])
```

Out[102]:

```
0.1869737207889557
```

In [103…

```
defense.similarity(text_proc.vocab['force'])
```

Out[103]:

```
0.35443684458732605
```

In [104…

```
defense.similarity(text_proc.vocab['technology'])
```

Out[104]:

```
0.2639425992965698
```

In [106…

```
defense.similarity(text_proc.vocab['military'])
```

Out[106]:

```
0.485204815864563
```

In [107…
```
defense.similarity(text_proc.vocab['operation'])
```

Out[107]:
```
0.4128454029560089
```

In [109…
```
defense.similarity(text_proc.vocab['target'])
```

Out[109]:
```
0.23604343831539154
```

In [ ]: