```
In [2]: %load_ext memory_profiler
        # !pip install -q zhconv
```

```
In [3]: import os

        # Packages
        import gensim
        import jieba
        import zhconv
        from gensim.corpora import WikiCorpus
        from datetime import datetime as dt
        from typing import List


        if not os.path.isfile('dict.txt.big'):
            !wget https://github.com/fxsjy/jieba/raw/master/extra_dict/dict.txt.big
        jieba.set_dictionary('dict.txt.big')

        print("gensim", gensim.__version__)
        print("jieba", jieba.__version__)
```

```
gensim 4.3.1
jieba 0.42.1
```

```
In [9]: !wget "https://dumps.wikimedia.org/zhwiki/20230501/zhwiki-20230501-pages-art
        --2023-05-08 19:44:19--  https://dumps.wikimedia.org/zhwiki/20230501/zhwiki-
        20230501-pages-articles-multistream.xml.bz2
        Resolving dumps.wikimedia.org (dumps.wikimedia.org)... 2620:0:861:2:208:80:1
        54:142, 208.80.154.142
        Connecting to dumps.wikimedia.org (dumps.wikimedia.org)|2620:0:861:2:208:80:
        154:142|:443... connected.
        HTTP request sent, awaiting response... 200 OK
        Length: 2790968986 (2.6G) [application/octet-stream]
        Saving to: 'zhwiki-20230501-pages-articles-multistream.xml.bz2.1'

        zhwiki-20230501-pag 100%[===================>]   2.60G  3.76MB/s    in 10m 5
        6s

        2023-05-08 19:55:17 (4.06 MB/s) - 'zhwiki-20230501-pages-articles-multistrea
        m.xml.bz2.1' saved [2790968986/2790968986]
```

```
In [ ]: # save these into wiki_to_txt.py
        # -*- coding: utf-8 -*-

        import logging
        import sys

        from gensim.corpora import WikiCorpus

        def main():

            if len(sys.argv) != 2:
                print("Usage: python3 " + sys.argv[0] + " wiki_data_path")
                exit()

            logging.basicConfig(format='%(asctime)s : %(levelname)s : %(message)s',
            wiki_corpus = WikiCorpus(sys.argv[1], dictionary={})
            texts_num = 0

            with open("wiki_texts.txt",'w',encoding='utf-8') as output:
```

```python
    for text in wiki_corpus.get_texts():
        output.write(' '.join(text) + '\n')
        texts_num += 1
        if texts_num % 10000 == 0:
            logging.info("已處理 %d 篇文章" % texts_num)

if __name__ == "__main__":
    main()
```

```python
In [ ]: # run 'python3 wiki_to_txt.py zhwiki-20230501-pages-articles-multistream.xml
```

```python
In [ ]: # run 'opencc -i wiki_texts.txt -o wiki_zh_tw.txt -c s2tw.json' in terminal
        # 將簡體轉成繁體
```

```python
In [1]: import jieba
        import logging

        def main():

            logging.basicConfig(format='%(asctime)s : %(levelname)s : %(message)s',

            # jieba custom setting.
            jieba.set_dictionary('dict.txt.big')

            # load stopwords set
            stopword_set = set()
            with open('stopword.txt','r', encoding='utf-8') as stopwords:
                for stopword in stopwords:
                    stopword_set.add(stopword.strip('\n'))

            output = open('wiki_seg.txt', 'w', encoding='utf-8')
            with open('wiki_zh_tw.txt', 'r', encoding='utf-8') as content :
                for texts_num, line in enumerate(content):
                    line = line.strip('\n')
                    words = jieba.cut(line, cut_all=False)
                    for word in words:
                        if word not in stopword_set:
                            output.write(word + ' ')
                    output.write('\n')

                    if (texts_num + 1) % 10000 == 0:
                        logging.info("已完成前 %d 行的斷詞" % (texts_num + 1))
            output.close()

        if __name__ == '__main__':
            main()
```

```
Building prefix dict from /Users/linli/Desktop/hw4/dict.txt.big ...
2023-05-10 00:48:28,870 : DEBUG : Building prefix dict from /Users/linli/Des
ktop/hw4/dict.txt.big ...
Loading model from cache /var/folders/hd/b9ptqs9s7wgd9115fq_x_b100000gn/T/ji
eba.ufe8439f3956c82211e6ef529fb07e2bb.cache
2023-05-10 00:48:28,874 : DEBUG : Loading model from cache /var/folders/hd/b
9ptqs9s7wgd9115fq_x_b100000gn/T/jieba.ufe8439f3956c82211e6ef529fb07e2bb.cach
e
Loading model cost 2.055 seconds.
2023-05-10 00:48:30,929 : DEBUG : Loading model cost 2.055 seconds.
Prefix dict has been built successfully.
2023-05-10 00:48:30,935 : DEBUG : Prefix dict has been built successfully.
2023-05-10 00:53:48,012 : INFO : 已完成前 10000 行的斷詞
2023-05-10 00:57:51,060 : INFO : 已完成前 20000 行的斷詞
2023-05-10 01:01:42,247 : INFO : 已完成前 30000 行的斷詞
2023-05-10 01:05:07,020 : INFO : 已完成前 40000 行的斷詞
2023-05-10 01:08:40,231 : INFO : 已完成前 50000 行的斷詞
2023-05-10 01:11:57,223 : INFO : 已完成前 60000 行的斷詞
2023-05-10 01:15:20,311 : INFO : 已完成前 70000 行的斷詞
2023-05-10 01:18:09,439 : INFO : 已完成前 80000 行的斷詞
2023-05-10 01:20:49,820 : INFO : 已完成前 90000 行的斷詞
2023-05-10 01:23:37,393 : INFO : 已完成前 100000 行的斷詞
2023-05-10 01:26:20,115 : INFO : 已完成前 110000 行的斷詞
2023-05-10 01:28:51,287 : INFO : 已完成前 120000 行的斷詞
2023-05-10 01:31:07,944 : INFO : 已完成前 130000 行的斷詞
2023-05-10 01:33:36,203 : INFO : 已完成前 140000 行的斷詞
2023-05-10 01:36:21,177 : INFO : 已完成前 150000 行的斷詞
2023-05-10 01:39:29,179 : INFO : 已完成前 160000 行的斷詞
2023-05-10 01:41:54,904 : INFO : 已完成前 170000 行的斷詞
2023-05-10 01:44:31,532 : INFO : 已完成前 180000 行的斷詞
2023-05-10 01:47:15,481 : INFO : 已完成前 190000 行的斷詞
2023-05-10 01:49:41,300 : INFO : 已完成前 200000 行的斷詞
2023-05-10 01:52:10,093 : INFO : 已完成前 210000 行的斷詞
2023-05-10 01:54:52,689 : INFO : 已完成前 220000 行的斷詞
2023-05-10 01:56:56,636 : INFO : 已完成前 230000 行的斷詞
2023-05-10 01:59:05,430 : INFO : 已完成前 240000 行的斷詞
2023-05-10 02:01:12,019 : INFO : 已完成前 250000 行的斷詞
2023-05-10 02:03:00,684 : INFO : 已完成前 260000 行的斷詞
2023-05-10 02:04:59,718 : INFO : 已完成前 270000 行的斷詞
2023-05-10 02:06:57,486 : INFO : 已完成前 280000 行的斷詞
2023-05-10 02:08:58,467 : INFO : 已完成前 290000 行的斷詞
2023-05-10 02:10:50,387 : INFO : 已完成前 300000 行的斷詞
2023-05-10 02:12:31,217 : INFO : 已完成前 310000 行的斷詞
2023-05-10 02:14:20,478 : INFO : 已完成前 320000 行的斷詞
2023-05-10 02:16:05,160 : INFO : 已完成前 330000 行的斷詞
2023-05-10 02:18:01,697 : INFO : 已完成前 340000 行的斷詞
2023-05-10 02:19:57,141 : INFO : 已完成前 350000 行的斷詞
2023-05-10 02:21:49,382 : INFO : 已完成前 360000 行的斷詞
2023-05-10 02:23:39,124 : INFO : 已完成前 370000 行的斷詞
2023-05-10 02:25:35,482 : INFO : 已完成前 380000 行的斷詞
2023-05-10 02:27:24,019 : INFO : 已完成前 390000 行的斷詞
2023-05-10 02:29:09,914 : INFO : 已完成前 400000 行的斷詞
2023-05-10 02:30:56,511 : INFO : 已完成前 410000 行的斷詞
2023-05-10 02:32:32,951 : INFO : 已完成前 420000 行的斷詞
2023-05-10 02:34:18,076 : INFO : 已完成前 430000 行的斷詞
2023-05-10 02:35:58,596 : INFO : 已完成前 440000 行的斷詞
2023-05-10 02:37:38,420 : INFO : 已完成前 450000 行的斷詞
```

In [18]:
```python
import logging

from gensim.models import word2vec

# def main():
```

```python
logging.basicConfig(format='%(asctime)s : %(levelname)s : %(message)s', leve
sentences = word2vec.LineSentence("wiki_seg.txt")
model = word2vec.Word2Vec(sentences, vector_size=250)

#保存模型，供日後使用
model.save("word2vec.model")

#模型讀取方式
# model = word2vec.Word2Vec.load("your_model_name")

# if __name__ == "__main__":
#     main()
```

```python
logging.basicConfig(format='%(asctime)s : %(levelname)s : %(message)s', leve
sentences = word2vec.LineSentence("wiki_seg.txt")
model = word2vec.Word2Vec(sentences, vector_size=250)

#保存模型，供日後使用
model.save("word2vec.model")

#模型讀取方式
# model = word2vec.Word2Vec.load("your_model_name")

# if __name__ == "__main__":
```

```
2023-05-10 14:34:02,137 : INFO : collecting all words and their counts
2023-05-10 14:34:02,142 : INFO : PROGRESS: at sentence #0, processed 0 word
s, keeping 0 word types
2023-05-10 14:34:06,076 : INFO : PROGRESS: at sentence #10000, processed 991
1456 words, keeping 621212 word types
2023-05-10 14:34:08,923 : INFO : PROGRESS: at sentence #20000, processed 175
56176 words, keeping 901885 word types
2023-05-10 14:34:11,669 : INFO : PROGRESS: at sentence #30000, processed 243
17345 words, keeping 1106317 word types
2023-05-10 14:34:14,130 : INFO : PROGRESS: at sentence #40000, processed 307
09892 words, keeping 1284863 word types
2023-05-10 14:34:16,438 : INFO : PROGRESS: at sentence #50000, processed 366
65234 words, keeping 1435747 word types
2023-05-10 14:34:18,490 : INFO : PROGRESS: at sentence #60000, processed 421
86808 words, keeping 1572479 word types
2023-05-10 14:34:20,545 : INFO : PROGRESS: at sentence #70000, processed 476
13578 words, keeping 1694482 word types
2023-05-10 14:34:22,381 : INFO : PROGRESS: at sentence #80000, processed 527
01987 words, keeping 1816434 word types
2023-05-10 14:34:24,083 : INFO : PROGRESS: at sentence #90000, processed 576
66383 words, keeping 1934435 word types
2023-05-10 14:34:25,760 : INFO : PROGRESS: at sentence #100000, processed 62
504680 words, keeping 2034355 word types
2023-05-10 14:34:27,443 : INFO : PROGRESS: at sentence #110000, processed 67
506891 words, keeping 2135844 word types
2023-05-10 14:34:29,039 : INFO : PROGRESS: at sentence #120000, processed 72
152538 words, keeping 2229899 word types
2023-05-10 14:34:30,571 : INFO : PROGRESS: at sentence #130000, processed 76
380105 words, keeping 2315203 word types
2023-05-10 14:34:32,366 : INFO : PROGRESS: at sentence #140000, processed 81
282171 words, keeping 2411592 word types
2023-05-10 14:34:33,999 : INFO : PROGRESS: at sentence #150000, processed 85
832624 words, keeping 2494213 word types
2023-05-10 14:34:35,673 : INFO : PROGRESS: at sentence #160000, processed 90
574403 words, keeping 2581205 word types
2023-05-10 14:34:37,384 : INFO : PROGRESS: at sentence #170000, processed 95
002810 words, keeping 2663360 word types
2023-05-10 14:34:39,111 : INFO : PROGRESS: at sentence #180000, processed 10
0011153 words, keeping 2739016 word types
2023-05-10 14:34:40,952 : INFO : PROGRESS: at sentence #190000, processed 10
4333138 words, keeping 2816032 word types
2023-05-10 14:34:42,371 : INFO : PROGRESS: at sentence #200000, processed 10
8357558 words, keeping 2893489 word types
2023-05-10 14:34:43,718 : INFO : PROGRESS: at sentence #210000, processed 11
2234270 words, keeping 2964065 word types
2023-05-10 14:34:45,092 : INFO : PROGRESS: at sentence #220000, processed 11
6423062 words, keeping 3031413 word types
2023-05-10 14:34:46,447 : INFO : PROGRESS: at sentence #230000, processed 12
0653022 words, keeping 3085171 word types
2023-05-10 14:34:47,954 : INFO : PROGRESS: at sentence #240000, processed 12
5006409 words, keeping 3150835 word types
2023-05-10 14:34:49,411 : INFO : PROGRESS: at sentence #250000, processed 12
9347004 words, keeping 3214828 word types
2023-05-10 14:34:50,807 : INFO : PROGRESS: at sentence #260000, processed 13
3449376 words, keeping 3269914 word types
2023-05-10 14:34:52,456 : INFO : PROGRESS: at sentence #270000, processed 13
8185499 words, keeping 3334398 word types
2023-05-10 14:34:54,050 : INFO : PROGRESS: at sentence #280000, processed 14
2632194 words, keeping 3399789 word types
2023-05-10 14:34:55,661 : INFO : PROGRESS: at sentence #290000, processed 14
7251482 words, keeping 3459122 word types
2023-05-10 14:34:57,182 : INFO : PROGRESS: at sentence #300000, processed 15
1469310 words, keeping 3519702 word types
2023-05-10 14:34:58,543 : INFO : PROGRESS: at sentence #310000, processed 15
```

```
5325950 words, keeping 3572398 word types
2023-05-10 14:34:59,983 : INFO : PROGRESS: at sentence #320000, processed 15
9389712 words, keeping 3624877 word types
2023-05-10 14:35:01,411 : INFO : PROGRESS: at sentence #330000, processed 16
3278375 words, keeping 3680456 word types
2023-05-10 14:35:02,998 : INFO : PROGRESS: at sentence #340000, processed 16
7793287 words, keeping 3742505 word types
2023-05-10 14:35:04,530 : INFO : PROGRESS: at sentence #350000, processed 17
2124642 words, keeping 3805347 word types
2023-05-10 14:35:06,077 : INFO : PROGRESS: at sentence #360000, processed 17
6262884 words, keeping 3860367 word types
2023-05-10 14:35:08,011 : INFO : PROGRESS: at sentence #370000, processed 18
0411352 words, keeping 3914121 word types
2023-05-10 14:35:09,973 : INFO : PROGRESS: at sentence #380000, processed 18
4901389 words, keeping 3971267 word types
2023-05-10 14:35:11,771 : INFO : PROGRESS: at sentence #390000, processed 18
9069333 words, keeping 4020351 word types
2023-05-10 14:35:13,502 : INFO : PROGRESS: at sentence #400000, processed 19
3043071 words, keeping 4069971 word types
2023-05-10 14:35:15,153 : INFO : PROGRESS: at sentence #410000, processed 19
6982174 words, keeping 4131396 word types
2023-05-10 14:35:16,869 : INFO : PROGRESS: at sentence #420000, processed 20
0823131 words, keeping 4194192 word types
2023-05-10 14:35:18,662 : INFO : PROGRESS: at sentence #430000, processed 20
4702264 words, keeping 4251340 word types
2023-05-10 14:35:20,259 : INFO : PROGRESS: at sentence #440000, processed 20
8494971 words, keeping 4312020 word types
2023-05-10 14:35:21,916 : INFO : PROGRESS: at sentence #450000, processed 21
2227864 words, keeping 4358062 word types
2023-05-10 14:35:22,416 : INFO : collected 4371860 word types from a corpus
of 213408986 raw words and 453374 sentences
2023-05-10 14:35:22,417 : INFO : Creating a fresh vocabulary
2023-05-10 14:35:27,436 : INFO : Word2Vec lifecycle event {'msg': 'effective
_min_count=5 retains 1003966 unique words (22.96% of original 4371860, drops
3367894)', 'datetime': '2023-05-10T14:35:27.436306', 'gensim': '4.3.1', 'pyt
hon': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'platform':
'macOS-10.16-x86_64-i386-64bit', 'event': 'prepare_vocab'}
2023-05-10 14:35:27,437 : INFO : Word2Vec lifecycle event {'msg': 'effective
_min_count=5 leaves 208323024 word corpus (97.62% of original 213408986, dro
ps 5085962)', 'datetime': '2023-05-10T14:35:27.437154', 'gensim': '4.3.1',
'python': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'platfor
m': 'macOS-10.16-x86_64-i386-64bit', 'event': 'prepare_vocab'}
2023-05-10 14:35:32,339 : INFO : deleting the raw counts dictionary of 43718
60 items
2023-05-10 14:35:32,437 : INFO : sample=0.001 downsamples 4 most-common word
s
2023-05-10 14:35:32,437 : INFO : Word2Vec lifecycle event {'msg': 'downsampl
ing leaves estimated 207154566.39174116 word corpus (99.4%% of prior 2083230
24)', 'datetime': '2023-05-10T14:35:32.437948', 'gensim': '4.3.1', 'python':
'3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'platform': 'macOS
-10.16-x86_64-i386-64bit', 'event': 'prepare_vocab'}
2023-05-10 14:35:39,796 : INFO : estimated required memory for 1003966 words
and 250 dimensions: 2509915000 bytes
2023-05-10 14:35:39,797 : INFO : resetting layer weights
2023-05-10 14:35:41,125 : INFO : Word2Vec lifecycle event {'update': False,
'trim_rule': 'None', 'datetime': '2023-05-10T14:35:41.124985', 'gensim': '4.
3.1', 'python': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'p
latform': 'macOS-10.16-x86_64-i386-64bit', 'event': 'build_vocab'}
2023-05-10 14:35:41,126 : INFO : Word2Vec lifecycle event {'msg': 'training
model with 3 workers on 1003966 vocabulary and 250 features, using sg=0 hs=0
sample=0.001 negative=5 window=5 shrink_windows=True', 'datetime': '2023-05-
10T14:35:41.126257', 'gensim': '4.3.1', 'python': '3.9.13 (main, Aug 25 202
2, 18:29:29) \n[Clang 12.0.0 ]', 'platform': 'macOS-10.16-x86_64-i386-64bi
t', 'event': 'train'}
```

```
2023-05-10 14:35:42,129 : INFO : EPOCH 0 - PROGRESS: at 0.04% examples, 3448
68 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:35:43,132 : INFO : EPOCH 0 - PROGRESS: at 0.13% examples, 4689
06 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:44,134 : INFO : EPOCH 0 - PROGRESS: at 0.25% examples, 5581
97 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:35:45,153 : INFO : EPOCH 0 - PROGRESS: at 0.39% examples, 6056
84 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:46,157 : INFO : EPOCH 0 - PROGRESS: at 0.54% examples, 6317
08 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:47,160 : INFO : EPOCH 0 - PROGRESS: at 0.72% examples, 6554
52 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:48,173 : INFO : EPOCH 0 - PROGRESS: at 0.94% examples, 6564
61 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:35:49,179 : INFO : EPOCH 0 - PROGRESS: at 1.09% examples, 6547
31 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:35:50,189 : INFO : EPOCH 0 - PROGRESS: at 1.25% examples, 6595
86 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:51,195 : INFO : EPOCH 0 - PROGRESS: at 1.45% examples, 6662
50 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:52,216 : INFO : EPOCH 0 - PROGRESS: at 1.63% examples, 6697
83 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:53,222 : INFO : EPOCH 0 - PROGRESS: at 1.82% examples, 6736
89 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:54,228 : INFO : EPOCH 0 - PROGRESS: at 2.00% examples, 6720
22 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:55,230 : INFO : EPOCH 0 - PROGRESS: at 2.18% examples, 6751
34 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:56,243 : INFO : EPOCH 0 - PROGRESS: at 2.35% examples, 6770
45 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:57,243 : INFO : EPOCH 0 - PROGRESS: at 2.52% examples, 6759
61 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:35:58,253 : INFO : EPOCH 0 - PROGRESS: at 2.73% examples, 6762
89 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:35:59,259 : INFO : EPOCH 0 - PROGRESS: at 2.94% examples, 6776
23 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:00,281 : INFO : EPOCH 0 - PROGRESS: at 3.16% examples, 6789
30 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:01,297 : INFO : EPOCH 0 - PROGRESS: at 3.37% examples, 6796
09 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:02,321 : INFO : EPOCH 0 - PROGRESS: at 3.54% examples, 6748
24 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:03,340 : INFO : EPOCH 0 - PROGRESS: at 3.78% examples, 6769
90 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:04,343 : INFO : EPOCH 0 - PROGRESS: at 3.98% examples, 6778
99 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:05,344 : INFO : EPOCH 0 - PROGRESS: at 4.21% examples, 6788
07 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:06,363 : INFO : EPOCH 0 - PROGRESS: at 4.43% examples, 6778
99 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:07,366 : INFO : EPOCH 0 - PROGRESS: at 4.62% examples, 6765
72 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:08,374 : INFO : EPOCH 0 - PROGRESS: at 4.83% examples, 6766
76 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:09,379 : INFO : EPOCH 0 - PROGRESS: at 5.07% examples, 6788
64 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:10,390 : INFO : EPOCH 0 - PROGRESS: at 5.31% examples, 6820
91 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:11,393 : INFO : EPOCH 0 - PROGRESS: at 5.58% examples, 6841
57 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:12,405 : INFO : EPOCH 0 - PROGRESS: at 5.80% examples, 6847
44 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:13,407 : INFO : EPOCH 0 - PROGRESS: at 6.04% examples, 6851
77 words/s, in_qsize 5, out_qsize 0
```

```
2023-05-10 14:36:14,427 : INFO : EPOCH 0 - PROGRESS: at 6.31% examples, 6855
71 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:15,444 : INFO : EPOCH 0 - PROGRESS: at 6.59% examples, 6858
16 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:16,449 : INFO : EPOCH 0 - PROGRESS: at 6.82% examples, 6863
87 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:17,466 : INFO : EPOCH 0 - PROGRESS: at 7.03% examples, 6857
81 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:18,470 : INFO : EPOCH 0 - PROGRESS: at 7.26% examples, 6852
12 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:36:19,474 : INFO : EPOCH 0 - PROGRESS: at 7.50% examples, 6844
99 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:20,486 : INFO : EPOCH 0 - PROGRESS: at 7.77% examples, 6858
94 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:21,488 : INFO : EPOCH 0 - PROGRESS: at 8.05% examples, 6877
37 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:36:22,500 : INFO : EPOCH 0 - PROGRESS: at 8.34% examples, 6897
75 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:23,510 : INFO : EPOCH 0 - PROGRESS: at 8.65% examples, 6917
50 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:24,513 : INFO : EPOCH 0 - PROGRESS: at 8.93% examples, 6934
53 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:25,525 : INFO : EPOCH 0 - PROGRESS: at 9.19% examples, 6941
23 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:26,529 : INFO : EPOCH 0 - PROGRESS: at 9.43% examples, 6925
94 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:27,546 : INFO : EPOCH 0 - PROGRESS: at 9.68% examples, 6914
53 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:28,566 : INFO : EPOCH 0 - PROGRESS: at 9.93% examples, 6900
71 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:29,568 : INFO : EPOCH 0 - PROGRESS: at 10.20% examples, 689
759 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:30,589 : INFO : EPOCH 0 - PROGRESS: at 10.46% examples, 689
300 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:31,592 : INFO : EPOCH 0 - PROGRESS: at 10.72% examples, 689
343 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:32,617 : INFO : EPOCH 0 - PROGRESS: at 10.99% examples, 689
436 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:33,618 : INFO : EPOCH 0 - PROGRESS: at 11.28% examples, 689
458 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:34,666 : INFO : EPOCH 0 - PROGRESS: at 11.53% examples, 687
436 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:35,686 : INFO : EPOCH 0 - PROGRESS: at 11.76% examples, 684
978 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:36:36,712 : INFO : EPOCH 0 - PROGRESS: at 11.96% examples, 681
705 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:37,721 : INFO : EPOCH 0 - PROGRESS: at 12.23% examples, 681
154 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:38,731 : INFO : EPOCH 0 - PROGRESS: at 12.45% examples, 678
375 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:39,750 : INFO : EPOCH 0 - PROGRESS: at 12.72% examples, 678
061 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:40,756 : INFO : EPOCH 0 - PROGRESS: at 13.02% examples, 678
381 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:36:41,777 : INFO : EPOCH 0 - PROGRESS: at 13.33% examples, 679
212 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:42,791 : INFO : EPOCH 0 - PROGRESS: at 13.62% examples, 680
124 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:43,795 : INFO : EPOCH 0 - PROGRESS: at 13.91% examples, 680
965 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:36:44,808 : INFO : EPOCH 0 - PROGRESS: at 14.21% examples, 681
575 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:45,814 : INFO : EPOCH 0 - PROGRESS: at 14.55% examples, 682
709 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:36:46,815 : INFO : EPOCH 0 - PROGRESS: at 14.88% examples, 683
538 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:47,816 : INFO : EPOCH 0 - PROGRESS: at 15.20% examples, 684
261 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:48,819 : INFO : EPOCH 0 - PROGRESS: at 15.52% examples, 685
541 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:49,828 : INFO : EPOCH 0 - PROGRESS: at 15.86% examples, 686
366 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:50,839 : INFO : EPOCH 0 - PROGRESS: at 16.15% examples, 686
873 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:51,852 : INFO : EPOCH 0 - PROGRESS: at 16.50% examples, 687
375 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:52,863 : INFO : EPOCH 0 - PROGRESS: at 16.81% examples, 687
768 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:53,865 : INFO : EPOCH 0 - PROGRESS: at 17.13% examples, 687
216 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:54,868 : INFO : EPOCH 0 - PROGRESS: at 17.44% examples, 687
303 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:55,869 : INFO : EPOCH 0 - PROGRESS: at 17.74% examples, 687
306 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:56,883 : INFO : EPOCH 0 - PROGRESS: at 18.08% examples, 687
918 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:36:57,887 : INFO : EPOCH 0 - PROGRESS: at 18.44% examples, 688
734 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:58,894 : INFO : EPOCH 0 - PROGRESS: at 18.79% examples, 689
584 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:36:59,894 : INFO : EPOCH 0 - PROGRESS: at 19.07% examples, 689
644 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:00,898 : INFO : EPOCH 0 - PROGRESS: at 19.40% examples, 689
534 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:01,905 : INFO : EPOCH 0 - PROGRESS: at 19.72% examples, 689
242 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:02,909 : INFO : EPOCH 0 - PROGRESS: at 20.09% examples, 689
898 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:03,912 : INFO : EPOCH 0 - PROGRESS: at 20.46% examples, 690
792 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:04,925 : INFO : EPOCH 0 - PROGRESS: at 20.82% examples, 691
703 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:05,928 : INFO : EPOCH 0 - PROGRESS: at 21.17% examples, 692
644 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:06,935 : INFO : EPOCH 0 - PROGRESS: at 21.51% examples, 693
315 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:37:07,949 : INFO : EPOCH 0 - PROGRESS: at 21.88% examples, 694
257 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:08,953 : INFO : EPOCH 0 - PROGRESS: at 22.26% examples, 695
098 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:09,955 : INFO : EPOCH 0 - PROGRESS: at 22.63% examples, 696
066 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:10,970 : INFO : EPOCH 0 - PROGRESS: at 22.98% examples, 697
237 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:11,985 : INFO : EPOCH 0 - PROGRESS: at 23.33% examples, 698
254 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:12,986 : INFO : EPOCH 0 - PROGRESS: at 23.69% examples, 699
195 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:13,995 : INFO : EPOCH 0 - PROGRESS: at 24.04% examples, 700
101 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:14,998 : INFO : EPOCH 0 - PROGRESS: at 24.41% examples, 701
107 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:16,012 : INFO : EPOCH 0 - PROGRESS: at 24.81% examples, 702
039 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:17,015 : INFO : EPOCH 0 - PROGRESS: at 25.19% examples, 702
959 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:18,024 : INFO : EPOCH 0 - PROGRESS: at 25.54% examples, 703
822 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:37:19,033 : INFO : EPOCH 0 - PROGRESS: at 25.93% examples, 704
552 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:20,041 : INFO : EPOCH 0 - PROGRESS: at 26.33% examples, 705
234 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:37:21,046 : INFO : EPOCH 0 - PROGRESS: at 26.75% examples, 705
990 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:22,066 : INFO : EPOCH 0 - PROGRESS: at 27.17% examples, 706
653 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:23,075 : INFO : EPOCH 0 - PROGRESS: at 27.54% examples, 707
293 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:24,086 : INFO : EPOCH 0 - PROGRESS: at 28.00% examples, 707
693 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:25,088 : INFO : EPOCH 0 - PROGRESS: at 28.44% examples, 708
397 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:26,108 : INFO : EPOCH 0 - PROGRESS: at 28.86% examples, 709
124 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:27,109 : INFO : EPOCH 0 - PROGRESS: at 29.23% examples, 709
848 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:28,118 : INFO : EPOCH 0 - PROGRESS: at 29.58% examples, 710
418 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:29,126 : INFO : EPOCH 0 - PROGRESS: at 29.92% examples, 711
113 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:30,144 : INFO : EPOCH 0 - PROGRESS: at 30.26% examples, 711
761 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:31,154 : INFO : EPOCH 0 - PROGRESS: at 30.65% examples, 712
367 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:32,165 : INFO : EPOCH 0 - PROGRESS: at 31.05% examples, 712
841 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:33,173 : INFO : EPOCH 0 - PROGRESS: at 31.42% examples, 713
249 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:34,179 : INFO : EPOCH 0 - PROGRESS: at 31.74% examples, 713
752 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:35,194 : INFO : EPOCH 0 - PROGRESS: at 32.13% examples, 714
205 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:36,198 : INFO : EPOCH 0 - PROGRESS: at 32.55% examples, 714
780 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:37,213 : INFO : EPOCH 0 - PROGRESS: at 32.97% examples, 715
253 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:38,217 : INFO : EPOCH 0 - PROGRESS: at 33.36% examples, 715
839 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:39,229 : INFO : EPOCH 0 - PROGRESS: at 33.74% examples, 716
270 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:40,240 : INFO : EPOCH 0 - PROGRESS: at 34.14% examples, 716
789 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:41,265 : INFO : EPOCH 0 - PROGRESS: at 34.50% examples, 717
299 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:42,287 : INFO : EPOCH 0 - PROGRESS: at 34.88% examples, 717
835 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:43,297 : INFO : EPOCH 0 - PROGRESS: at 35.25% examples, 718
435 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:44,301 : INFO : EPOCH 0 - PROGRESS: at 35.64% examples, 718
978 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:45,315 : INFO : EPOCH 0 - PROGRESS: at 36.08% examples, 719
509 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:46,318 : INFO : EPOCH 0 - PROGRESS: at 36.51% examples, 719
979 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:47,331 : INFO : EPOCH 0 - PROGRESS: at 36.86% examples, 720
179 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:48,340 : INFO : EPOCH 0 - PROGRESS: at 37.26% examples, 720
774 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:49,352 : INFO : EPOCH 0 - PROGRESS: at 37.64% examples, 721
049 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:50,354 : INFO : EPOCH 0 - PROGRESS: at 38.04% examples, 721
440 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:37:51,357 : INFO : EPOCH 0 - PROGRESS: at 38.42% examples, 721
869 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:52,369 : INFO : EPOCH 0 - PROGRESS: at 38.78% examples, 722
254 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:53,370 : INFO : EPOCH 0 - PROGRESS: at 39.09% examples, 723
256 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:54,370 : INFO : EPOCH 0 - PROGRESS: at 39.46% examples, 724
290 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:55,371 : INFO : EPOCH 0 - PROGRESS: at 39.87% examples, 724
735 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:37:56,376 : INFO : EPOCH 0 - PROGRESS: at 40.29% examples, 725
128 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:57,389 : INFO : EPOCH 0 - PROGRESS: at 40.71% examples, 725
495 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:58,394 : INFO : EPOCH 0 - PROGRESS: at 41.11% examples, 725
879 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:37:59,400 : INFO : EPOCH 0 - PROGRESS: at 41.50% examples, 726
059 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:00,408 : INFO : EPOCH 0 - PROGRESS: at 41.88% examples, 726
199 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:01,414 : INFO : EPOCH 0 - PROGRESS: at 42.26% examples, 726
417 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:02,415 : INFO : EPOCH 0 - PROGRESS: at 42.65% examples, 726
837 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:03,425 : INFO : EPOCH 0 - PROGRESS: at 43.10% examples, 727
091 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:04,435 : INFO : EPOCH 0 - PROGRESS: at 43.56% examples, 727
364 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:05,452 : INFO : EPOCH 0 - PROGRESS: at 44.08% examples, 727
793 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:06,468 : INFO : EPOCH 0 - PROGRESS: at 44.56% examples, 728
220 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:38:07,469 : INFO : EPOCH 0 - PROGRESS: at 45.02% examples, 728
581 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:08,474 : INFO : EPOCH 0 - PROGRESS: at 45.50% examples, 728
938 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:09,488 : INFO : EPOCH 0 - PROGRESS: at 45.94% examples, 729
340 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:10,492 : INFO : EPOCH 0 - PROGRESS: at 46.39% examples, 729
756 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:11,500 : INFO : EPOCH 0 - PROGRESS: at 46.79% examples, 730
066 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:12,501 : INFO : EPOCH 0 - PROGRESS: at 47.23% examples, 730
521 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:13,510 : INFO : EPOCH 0 - PROGRESS: at 47.68% examples, 731
125 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:14,532 : INFO : EPOCH 0 - PROGRESS: at 48.14% examples, 731
345 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:15,533 : INFO : EPOCH 0 - PROGRESS: at 48.55% examples, 731
731 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:16,535 : INFO : EPOCH 0 - PROGRESS: at 48.99% examples, 731
959 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:17,546 : INFO : EPOCH 0 - PROGRESS: at 49.49% examples, 732
344 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:18,576 : INFO : EPOCH 0 - PROGRESS: at 49.92% examples, 732
551 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:19,582 : INFO : EPOCH 0 - PROGRESS: at 50.32% examples, 733
900 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:20,593 : INFO : EPOCH 0 - PROGRESS: at 50.76% examples, 734
224 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:38:21,593 : INFO : EPOCH 0 - PROGRESS: at 51.22% examples, 734
668 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:22,596 : INFO : EPOCH 0 - PROGRESS: at 51.58% examples, 734
989 words/s, in_qsize 5, out_qsize 0
```

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hw4_word2vec

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2023-05-10 14:38:23,600 : INFO : EPOCH 0 - PROGRESS: at 51.96% examples, 735
293 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:38:24,611 : INFO : EPOCH 0 - PROGRESS: at 52.37% examples, 735
517 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:25,621 : INFO : EPOCH 0 - PROGRESS: at 52.82% examples, 735
733 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:26,627 : INFO : EPOCH 0 - PROGRESS: at 53.23% examples, 735
993 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:27,633 : INFO : EPOCH 0 - PROGRESS: at 53.63% examples, 736
304 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:28,646 : INFO : EPOCH 0 - PROGRESS: at 54.04% examples, 736
511 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:29,654 : INFO : EPOCH 0 - PROGRESS: at 54.44% examples, 736
632 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:38:30,666 : INFO : EPOCH 0 - PROGRESS: at 54.87% examples, 736
996 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:31,677 : INFO : EPOCH 0 - PROGRESS: at 55.30% examples, 737
305 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:32,680 : INFO : EPOCH 0 - PROGRESS: at 55.75% examples, 737
542 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:33,686 : INFO : EPOCH 0 - PROGRESS: at 56.20% examples, 737
819 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:34,687 : INFO : EPOCH 0 - PROGRESS: at 56.59% examples, 738
180 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:35,709 : INFO : EPOCH 0 - PROGRESS: at 57.03% examples, 738
387 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:36,717 : INFO : EPOCH 0 - PROGRESS: at 57.47% examples, 738
678 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:37,720 : INFO : EPOCH 0 - PROGRESS: at 57.82% examples, 739
004 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:38,723 : INFO : EPOCH 0 - PROGRESS: at 58.21% examples, 739
265 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:39,741 : INFO : EPOCH 0 - PROGRESS: at 58.60% examples, 739
420 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:40,743 : INFO : EPOCH 0 - PROGRESS: at 58.98% examples, 739
729 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:41,759 : INFO : EPOCH 0 - PROGRESS: at 59.36% examples, 739
965 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:42,759 : INFO : EPOCH 0 - PROGRESS: at 59.77% examples, 740
320 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:43,775 : INFO : EPOCH 0 - PROGRESS: at 60.15% examples, 740
466 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:44,784 : INFO : EPOCH 0 - PROGRESS: at 60.55% examples, 740
723 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:45,790 : INFO : EPOCH 0 - PROGRESS: at 60.94% examples, 740
842 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:46,796 : INFO : EPOCH 0 - PROGRESS: at 61.37% examples, 741
033 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:47,802 : INFO : EPOCH 0 - PROGRESS: at 61.75% examples, 741
265 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:48,804 : INFO : EPOCH 0 - PROGRESS: at 62.14% examples, 741
518 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:49,807 : INFO : EPOCH 0 - PROGRESS: at 62.51% examples, 741
722 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:50,812 : INFO : EPOCH 0 - PROGRESS: at 62.93% examples, 742
031 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:51,819 : INFO : EPOCH 0 - PROGRESS: at 63.35% examples, 742
243 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:52,827 : INFO : EPOCH 0 - PROGRESS: at 63.73% examples, 742
498 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:53,837 : INFO : EPOCH 0 - PROGRESS: at 64.09% examples, 742
780 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:38:54,850 : INFO : EPOCH 0 - PROGRESS: at 64.52% examples, 742
968 words/s, in_qsize 5, out_qsize 0
```

localhost:8888/nbconvert/html/Desktop/hw4/hw4_word2vec.ipynb?download=false

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2023-05-10 14:38:55,862 : INFO : EPOCH 0 - PROGRESS: at 64.93% examples, 743
262 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:56,885 : INFO : EPOCH 0 - PROGRESS: at 65.38% examples, 743
464 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:57,890 : INFO : EPOCH 0 - PROGRESS: at 65.82% examples, 743
693 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:58,900 : INFO : EPOCH 0 - PROGRESS: at 66.24% examples, 743
925 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:38:59,904 : INFO : EPOCH 0 - PROGRESS: at 66.67% examples, 744
163 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:00,921 : INFO : EPOCH 0 - PROGRESS: at 67.08% examples, 744
261 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:01,921 : INFO : EPOCH 0 - PROGRESS: at 67.57% examples, 744
437 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:02,934 : INFO : EPOCH 0 - PROGRESS: at 68.08% examples, 744
641 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:03,942 : INFO : EPOCH 0 - PROGRESS: at 68.55% examples, 744
789 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:04,950 : INFO : EPOCH 0 - PROGRESS: at 68.97% examples, 744
949 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:05,968 : INFO : EPOCH 0 - PROGRESS: at 69.44% examples, 745
084 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:06,984 : INFO : EPOCH 0 - PROGRESS: at 69.88% examples, 745
247 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:08,005 : INFO : EPOCH 0 - PROGRESS: at 70.30% examples, 745
409 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:09,020 : INFO : EPOCH 0 - PROGRESS: at 70.77% examples, 745
591 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:10,021 : INFO : EPOCH 0 - PROGRESS: at 71.22% examples, 745
786 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:11,023 : INFO : EPOCH 0 - PROGRESS: at 71.61% examples, 745
707 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:12,034 : INFO : EPOCH 0 - PROGRESS: at 72.11% examples, 745
866 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:13,036 : INFO : EPOCH 0 - PROGRESS: at 72.56% examples, 745
991 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:14,046 : INFO : EPOCH 0 - PROGRESS: at 73.00% examples, 746
039 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:39:15,047 : INFO : EPOCH 0 - PROGRESS: at 73.43% examples, 746
108 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:16,060 : INFO : EPOCH 0 - PROGRESS: at 73.83% examples, 746
279 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:17,063 : INFO : EPOCH 0 - PROGRESS: at 74.21% examples, 746
406 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:18,066 : INFO : EPOCH 0 - PROGRESS: at 74.55% examples, 746
590 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:19,075 : INFO : EPOCH 0 - PROGRESS: at 74.93% examples, 746
799 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:39:20,086 : INFO : EPOCH 0 - PROGRESS: at 75.36% examples, 746
940 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:21,090 : INFO : EPOCH 0 - PROGRESS: at 75.82% examples, 747
064 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:22,098 : INFO : EPOCH 0 - PROGRESS: at 76.25% examples, 747
233 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:23,113 : INFO : EPOCH 0 - PROGRESS: at 76.59% examples, 747
433 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:24,128 : INFO : EPOCH 0 - PROGRESS: at 77.00% examples, 747
601 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:25,130 : INFO : EPOCH 0 - PROGRESS: at 77.44% examples, 747
763 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:26,141 : INFO : EPOCH 0 - PROGRESS: at 77.91% examples, 747
919 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:27,144 : INFO : EPOCH 0 - PROGRESS: at 78.32% examples, 748
013 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:39:28,144 : INFO : EPOCH 0 - PROGRESS: at 78.64% examples, 747
385 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:29,165 : INFO : EPOCH 0 - PROGRESS: at 79.06% examples, 747
507 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:30,177 : INFO : EPOCH 0 - PROGRESS: at 79.46% examples, 747
544 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:31,186 : INFO : EPOCH 0 - PROGRESS: at 79.92% examples, 747
719 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:32,191 : INFO : EPOCH 0 - PROGRESS: at 80.35% examples, 747
839 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:33,195 : INFO : EPOCH 0 - PROGRESS: at 80.78% examples, 747
977 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:34,202 : INFO : EPOCH 0 - PROGRESS: at 81.20% examples, 748
119 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:35,207 : INFO : EPOCH 0 - PROGRESS: at 81.61% examples, 748
244 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:36,227 : INFO : EPOCH 0 - PROGRESS: at 82.01% examples, 748
396 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:37,245 : INFO : EPOCH 0 - PROGRESS: at 82.39% examples, 748
502 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:38,247 : INFO : EPOCH 0 - PROGRESS: at 82.77% examples, 748
629 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:39,261 : INFO : EPOCH 0 - PROGRESS: at 83.22% examples, 748
785 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:40,262 : INFO : EPOCH 0 - PROGRESS: at 83.61% examples, 748
904 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:41,280 : INFO : EPOCH 0 - PROGRESS: at 84.03% examples, 749
100 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:42,282 : INFO : EPOCH 0 - PROGRESS: at 84.47% examples, 749
328 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:43,292 : INFO : EPOCH 0 - PROGRESS: at 84.89% examples, 749
440 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:44,295 : INFO : EPOCH 0 - PROGRESS: at 85.28% examples, 749
576 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:45,301 : INFO : EPOCH 0 - PROGRESS: at 85.74% examples, 749
764 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:46,318 : INFO : EPOCH 0 - PROGRESS: at 86.21% examples, 749
910 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:47,340 : INFO : EPOCH 0 - PROGRESS: at 86.64% examples, 749
927 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:48,354 : INFO : EPOCH 0 - PROGRESS: at 87.07% examples, 749
830 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:49,358 : INFO : EPOCH 0 - PROGRESS: at 87.50% examples, 749
719 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:50,363 : INFO : EPOCH 0 - PROGRESS: at 87.87% examples, 749
616 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:51,368 : INFO : EPOCH 0 - PROGRESS: at 88.32% examples, 749
668 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:52,412 : INFO : EPOCH 0 - PROGRESS: at 88.75% examples, 749
390 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:53,426 : INFO : EPOCH 0 - PROGRESS: at 89.20% examples, 749
488 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:39:54,427 : INFO : EPOCH 0 - PROGRESS: at 89.59% examples, 749
302 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:55,432 : INFO : EPOCH 0 - PROGRESS: at 89.99% examples, 748
976 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:56,441 : INFO : EPOCH 0 - PROGRESS: at 90.41% examples, 748
978 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:57,460 : INFO : EPOCH 0 - PROGRESS: at 90.86% examples, 749
093 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:58,464 : INFO : EPOCH 0 - PROGRESS: at 91.29% examples, 749
253 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:39:59,476 : INFO : EPOCH 0 - PROGRESS: at 91.81% examples, 749
403 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:40:00,479 : INFO : EPOCH 0 - PROGRESS: at 92.26% examples, 749
492 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:01,487 : INFO : EPOCH 0 - PROGRESS: at 92.76% examples, 749
555 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:02,503 : INFO : EPOCH 0 - PROGRESS: at 93.29% examples, 749
665 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:03,504 : INFO : EPOCH 0 - PROGRESS: at 93.71% examples, 749
790 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:04,505 : INFO : EPOCH 0 - PROGRESS: at 94.11% examples, 749
906 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:05,507 : INFO : EPOCH 0 - PROGRESS: at 94.57% examples, 749
977 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:06,512 : INFO : EPOCH 0 - PROGRESS: at 95.05% examples, 750
108 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:07,518 : INFO : EPOCH 0 - PROGRESS: at 95.48% examples, 750
171 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:40:08,522 : INFO : EPOCH 0 - PROGRESS: at 95.99% examples, 750
375 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:09,529 : INFO : EPOCH 0 - PROGRESS: at 96.45% examples, 750
464 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:10,535 : INFO : EPOCH 0 - PROGRESS: at 96.94% examples, 750
571 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:11,538 : INFO : EPOCH 0 - PROGRESS: at 97.44% examples, 750
649 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:12,539 : INFO : EPOCH 0 - PROGRESS: at 97.90% examples, 750
794 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:13,554 : INFO : EPOCH 0 - PROGRESS: at 98.41% examples, 750
943 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:14,555 : INFO : EPOCH 0 - PROGRESS: at 98.83% examples, 750
942 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:15,556 : INFO : EPOCH 0 - PROGRESS: at 99.33% examples, 751
030 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:16,563 : INFO : EPOCH 0 - PROGRESS: at 99.82% examples, 751
132 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:16,898 : INFO : EPOCH 0: training on 213408986 raw words (2
07155234 effective words) took 275.8s, 751157 effective words/s
2023-05-10 14:40:17,921 : INFO : EPOCH 1 - PROGRESS: at 0.10% examples, 7571
25 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:18,923 : INFO : EPOCH 1 - PROGRESS: at 0.22% examples, 7630
58 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:19,927 : INFO : EPOCH 1 - PROGRESS: at 0.37% examples, 7604
94 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:20,947 : INFO : EPOCH 1 - PROGRESS: at 0.51% examples, 7591
18 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:21,951 : INFO : EPOCH 1 - PROGRESS: at 0.69% examples, 7635
12 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:22,959 : INFO : EPOCH 1 - PROGRESS: at 0.93% examples, 7599
05 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:23,969 : INFO : EPOCH 1 - PROGRESS: at 1.11% examples, 7594
78 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:24,970 : INFO : EPOCH 1 - PROGRESS: at 1.30% examples, 7602
21 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:25,984 : INFO : EPOCH 1 - PROGRESS: at 1.50% examples, 7624
12 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:27,000 : INFO : EPOCH 1 - PROGRESS: at 1.70% examples, 7628
89 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:28,001 : INFO : EPOCH 1 - PROGRESS: at 1.91% examples, 7634
57 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:29,006 : INFO : EPOCH 1 - PROGRESS: at 2.11% examples, 7645
70 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:30,017 : INFO : EPOCH 1 - PROGRESS: at 2.31% examples, 7656
39 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:31,022 : INFO : EPOCH 1 - PROGRESS: at 2.50% examples, 7665
89 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:40:32,023 : INFO : EPOCH 1 - PROGRESS: at 2.73% examples, 7658
42 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:33,043 : INFO : EPOCH 1 - PROGRESS: at 2.97% examples, 7660
46 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:34,044 : INFO : EPOCH 1 - PROGRESS: at 3.21% examples, 7669
75 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:35,057 : INFO : EPOCH 1 - PROGRESS: at 3.44% examples, 7671
20 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:36,065 : INFO : EPOCH 1 - PROGRESS: at 3.68% examples, 7668
47 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:37,071 : INFO : EPOCH 1 - PROGRESS: at 3.90% examples, 7672
99 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:38,083 : INFO : EPOCH 1 - PROGRESS: at 4.15% examples, 7672
29 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:39,091 : INFO : EPOCH 1 - PROGRESS: at 4.41% examples, 7680
07 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:40,096 : INFO : EPOCH 1 - PROGRESS: at 4.64% examples, 7677
11 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:40:41,102 : INFO : EPOCH 1 - PROGRESS: at 4.89% examples, 7676
61 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:42,104 : INFO : EPOCH 1 - PROGRESS: at 5.12% examples, 7684
51 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:43,109 : INFO : EPOCH 1 - PROGRESS: at 5.38% examples, 7690
62 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:44,112 : INFO : EPOCH 1 - PROGRESS: at 5.65% examples, 7697
06 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:45,114 : INFO : EPOCH 1 - PROGRESS: at 5.91% examples, 7700
86 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:46,120 : INFO : EPOCH 1 - PROGRESS: at 6.18% examples, 7695
31 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:47,131 : INFO : EPOCH 1 - PROGRESS: at 6.48% examples, 7697
69 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:48,138 : INFO : EPOCH 1 - PROGRESS: at 6.76% examples, 7697
94 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:49,146 : INFO : EPOCH 1 - PROGRESS: at 7.01% examples, 7705
16 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:50,160 : INFO : EPOCH 1 - PROGRESS: at 7.28% examples, 7706
55 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:40:51,168 : INFO : EPOCH 1 - PROGRESS: at 7.56% examples, 7713
51 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:52,173 : INFO : EPOCH 1 - PROGRESS: at 7.85% examples, 7718
81 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:53,178 : INFO : EPOCH 1 - PROGRESS: at 8.14% examples, 7722
27 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:54,190 : INFO : EPOCH 1 - PROGRESS: at 8.46% examples, 7725
35 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:55,201 : INFO : EPOCH 1 - PROGRESS: at 8.75% examples, 7726
54 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:56,206 : INFO : EPOCH 1 - PROGRESS: at 9.03% examples, 7725
19 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:57,209 : INFO : EPOCH 1 - PROGRESS: at 9.32% examples, 7725
15 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:58,216 : INFO : EPOCH 1 - PROGRESS: at 9.61% examples, 7727
26 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:40:59,230 : INFO : EPOCH 1 - PROGRESS: at 9.92% examples, 7726
77 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:00,237 : INFO : EPOCH 1 - PROGRESS: at 10.24% examples, 772
925 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:01,247 : INFO : EPOCH 1 - PROGRESS: at 10.53% examples, 772
776 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:02,249 : INFO : EPOCH 1 - PROGRESS: at 10.81% examples, 773
000 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:03,255 : INFO : EPOCH 1 - PROGRESS: at 11.14% examples, 773
150 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:41:04,265 : INFO : EPOCH 1 - PROGRESS: at 11.45% examples, 772
991 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:05,283 : INFO : EPOCH 1 - PROGRESS: at 11.77% examples, 772
784 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:06,284 : INFO : EPOCH 1 - PROGRESS: at 12.06% examples, 772
554 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:07,291 : INFO : EPOCH 1 - PROGRESS: at 12.39% examples, 772
454 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:08,305 : INFO : EPOCH 1 - PROGRESS: at 12.71% examples, 772
792 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:09,306 : INFO : EPOCH 1 - PROGRESS: at 13.06% examples, 772
940 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:10,324 : INFO : EPOCH 1 - PROGRESS: at 13.36% examples, 772
569 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:41:11,331 : INFO : EPOCH 1 - PROGRESS: at 13.67% examples, 772
826 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:12,339 : INFO : EPOCH 1 - PROGRESS: at 13.98% examples, 773
185 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:13,357 : INFO : EPOCH 1 - PROGRESS: at 14.32% examples, 772
985 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:41:14,366 : INFO : EPOCH 1 - PROGRESS: at 14.67% examples, 772
974 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:15,368 : INFO : EPOCH 1 - PROGRESS: at 15.01% examples, 773
060 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:16,382 : INFO : EPOCH 1 - PROGRESS: at 15.35% examples, 773
340 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:17,389 : INFO : EPOCH 1 - PROGRESS: at 15.67% examples, 773
266 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:18,390 : INFO : EPOCH 1 - PROGRESS: at 16.00% examples, 772
631 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:19,405 : INFO : EPOCH 1 - PROGRESS: at 16.34% examples, 772
579 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:20,418 : INFO : EPOCH 1 - PROGRESS: at 16.68% examples, 771
924 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:21,431 : INFO : EPOCH 1 - PROGRESS: at 17.05% examples, 771
927 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:22,435 : INFO : EPOCH 1 - PROGRESS: at 17.39% examples, 772
022 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:23,439 : INFO : EPOCH 1 - PROGRESS: at 17.75% examples, 772
249 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:24,451 : INFO : EPOCH 1 - PROGRESS: at 18.10% examples, 772
323 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:25,455 : INFO : EPOCH 1 - PROGRESS: at 18.49% examples, 772
757 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:26,467 : INFO : EPOCH 1 - PROGRESS: at 18.84% examples, 772
824 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:27,472 : INFO : EPOCH 1 - PROGRESS: at 19.17% examples, 772
815 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:28,473 : INFO : EPOCH 1 - PROGRESS: at 19.56% examples, 773
097 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:29,476 : INFO : EPOCH 1 - PROGRESS: at 19.94% examples, 773
252 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:30,477 : INFO : EPOCH 1 - PROGRESS: at 20.32% examples, 773
343 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:31,483 : INFO : EPOCH 1 - PROGRESS: at 20.69% examples, 773
094 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:32,490 : INFO : EPOCH 1 - PROGRESS: at 21.05% examples, 773
231 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:33,491 : INFO : EPOCH 1 - PROGRESS: at 21.38% examples, 773
183 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:34,492 : INFO : EPOCH 1 - PROGRESS: at 21.75% examples, 773
394 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:35,497 : INFO : EPOCH 1 - PROGRESS: at 22.13% examples, 773
579 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:41:36,499 : INFO : EPOCH 1 - PROGRESS: at 22.51% examples, 773
675 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:37,502 : INFO : EPOCH 1 - PROGRESS: at 22.87% examples, 773
942 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:38,516 : INFO : EPOCH 1 - PROGRESS: at 23.21% examples, 774
309 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:39,527 : INFO : EPOCH 1 - PROGRESS: at 23.55% examples, 774
265 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:40,529 : INFO : EPOCH 1 - PROGRESS: at 23.94% examples, 774
624 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:41,532 : INFO : EPOCH 1 - PROGRESS: at 24.31% examples, 774
811 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:42,541 : INFO : EPOCH 1 - PROGRESS: at 24.70% examples, 775
052 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:43,552 : INFO : EPOCH 1 - PROGRESS: at 25.08% examples, 775
346 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:44,558 : INFO : EPOCH 1 - PROGRESS: at 25.44% examples, 775
420 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:45,559 : INFO : EPOCH 1 - PROGRESS: at 25.82% examples, 775
441 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:46,572 : INFO : EPOCH 1 - PROGRESS: at 26.21% examples, 775
403 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:47,573 : INFO : EPOCH 1 - PROGRESS: at 26.63% examples, 775
472 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:48,581 : INFO : EPOCH 1 - PROGRESS: at 27.06% examples, 775
666 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:49,589 : INFO : EPOCH 1 - PROGRESS: at 27.42% examples, 775
643 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:50,606 : INFO : EPOCH 1 - PROGRESS: at 27.90% examples, 775
554 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:51,608 : INFO : EPOCH 1 - PROGRESS: at 28.32% examples, 775
588 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:52,613 : INFO : EPOCH 1 - PROGRESS: at 28.76% examples, 775
755 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:53,615 : INFO : EPOCH 1 - PROGRESS: at 29.15% examples, 775
765 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:54,616 : INFO : EPOCH 1 - PROGRESS: at 29.49% examples, 775
841 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:55,619 : INFO : EPOCH 1 - PROGRESS: at 29.84% examples, 776
073 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:56,621 : INFO : EPOCH 1 - PROGRESS: at 30.17% examples, 776
031 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:41:57,635 : INFO : EPOCH 1 - PROGRESS: at 30.55% examples, 776
095 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:58,649 : INFO : EPOCH 1 - PROGRESS: at 30.94% examples, 776
036 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:41:59,665 : INFO : EPOCH 1 - PROGRESS: at 31.33% examples, 776
072 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:00,674 : INFO : EPOCH 1 - PROGRESS: at 31.66% examples, 775
983 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:01,687 : INFO : EPOCH 1 - PROGRESS: at 32.04% examples, 775
713 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:02,689 : INFO : EPOCH 1 - PROGRESS: at 32.43% examples, 775
341 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:03,698 : INFO : EPOCH 1 - PROGRESS: at 32.82% examples, 774
979 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:04,703 : INFO : EPOCH 1 - PROGRESS: at 33.23% examples, 774
952 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:05,708 : INFO : EPOCH 1 - PROGRESS: at 33.61% examples, 775
036 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:06,719 : INFO : EPOCH 1 - PROGRESS: at 33.99% examples, 774
961 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:07,729 : INFO : EPOCH 1 - PROGRESS: at 34.37% examples, 774
999 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:42:08,729 : INFO : EPOCH 1 - PROGRESS: at 34.74% examples, 775
077 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:09,733 : INFO : EPOCH 1 - PROGRESS: at 35.11% examples, 775
206 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:10,742 : INFO : EPOCH 1 - PROGRESS: at 35.49% examples, 775
192 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:11,755 : INFO : EPOCH 1 - PROGRESS: at 35.91% examples, 775
325 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:12,756 : INFO : EPOCH 1 - PROGRESS: at 36.35% examples, 775
437 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:13,757 : INFO : EPOCH 1 - PROGRESS: at 36.73% examples, 775
414 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:14,760 : INFO : EPOCH 1 - PROGRESS: at 37.11% examples, 775
483 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:15,763 : INFO : EPOCH 1 - PROGRESS: at 37.50% examples, 775
410 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:16,765 : INFO : EPOCH 1 - PROGRESS: at 37.87% examples, 775
145 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:42:17,765 : INFO : EPOCH 1 - PROGRESS: at 38.27% examples, 775
261 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:18,768 : INFO : EPOCH 1 - PROGRESS: at 38.65% examples, 775
379 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:19,769 : INFO : EPOCH 1 - PROGRESS: at 38.97% examples, 775
385 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:20,780 : INFO : EPOCH 1 - PROGRESS: at 39.29% examples, 776
525 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:21,791 : INFO : EPOCH 1 - PROGRESS: at 39.68% examples, 776
539 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:22,796 : INFO : EPOCH 1 - PROGRESS: at 40.13% examples, 776
628 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:23,798 : INFO : EPOCH 1 - PROGRESS: at 40.57% examples, 776
781 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:24,803 : INFO : EPOCH 1 - PROGRESS: at 40.96% examples, 776
833 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:25,811 : INFO : EPOCH 1 - PROGRESS: at 41.37% examples, 776
804 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:42:26,813 : INFO : EPOCH 1 - PROGRESS: at 41.75% examples, 776
936 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:27,830 : INFO : EPOCH 1 - PROGRESS: at 42.16% examples, 776
935 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:28,835 : INFO : EPOCH 1 - PROGRESS: at 42.53% examples, 776
950 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:29,838 : INFO : EPOCH 1 - PROGRESS: at 43.00% examples, 776
926 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:30,850 : INFO : EPOCH 1 - PROGRESS: at 43.45% examples, 776
861 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:31,864 : INFO : EPOCH 1 - PROGRESS: at 43.95% examples, 776
701 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:32,879 : INFO : EPOCH 1 - PROGRESS: at 44.43% examples, 776
807 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:33,880 : INFO : EPOCH 1 - PROGRESS: at 44.88% examples, 776
881 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:34,891 : INFO : EPOCH 1 - PROGRESS: at 45.38% examples, 776
815 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:35,896 : INFO : EPOCH 1 - PROGRESS: at 45.83% examples, 776
916 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:36,898 : INFO : EPOCH 1 - PROGRESS: at 46.27% examples, 776
928 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:37,904 : INFO : EPOCH 1 - PROGRESS: at 46.69% examples, 776
999 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:38,914 : INFO : EPOCH 1 - PROGRESS: at 47.08% examples, 777
109 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:39,927 : INFO : EPOCH 1 - PROGRESS: at 47.55% examples, 777
269 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:42:40,932 : INFO : EPOCH 1 - PROGRESS: at 48.01% examples, 777
409 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:41,949 : INFO : EPOCH 1 - PROGRESS: at 48.44% examples, 777
432 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:42,957 : INFO : EPOCH 1 - PROGRESS: at 48.85% examples, 777
281 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:43,966 : INFO : EPOCH 1 - PROGRESS: at 49.36% examples, 777
504 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:44,973 : INFO : EPOCH 1 - PROGRESS: at 49.81% examples, 777
587 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:45,973 : INFO : EPOCH 1 - PROGRESS: at 50.21% examples, 778
058 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:46,981 : INFO : EPOCH 1 - PROGRESS: at 50.61% examples, 778
524 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:47,997 : INFO : EPOCH 1 - PROGRESS: at 51.07% examples, 778
554 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:49,001 : INFO : EPOCH 1 - PROGRESS: at 51.46% examples, 778
641 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:50,002 : INFO : EPOCH 1 - PROGRESS: at 51.83% examples, 778
657 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:51,016 : INFO : EPOCH 1 - PROGRESS: at 52.23% examples, 778
614 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:52,017 : INFO : EPOCH 1 - PROGRESS: at 52.68% examples, 778
717 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:53,033 : INFO : EPOCH 1 - PROGRESS: at 53.11% examples, 778
630 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:54,037 : INFO : EPOCH 1 - PROGRESS: at 53.47% examples, 778
609 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:55,053 : INFO : EPOCH 1 - PROGRESS: at 53.91% examples, 778
567 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:56,068 : INFO : EPOCH 1 - PROGRESS: at 54.33% examples, 778
604 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:42:57,079 : INFO : EPOCH 1 - PROGRESS: at 54.73% examples, 778
559 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:58,086 : INFO : EPOCH 1 - PROGRESS: at 55.14% examples, 778
508 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:42:59,088 : INFO : EPOCH 1 - PROGRESS: at 55.59% examples, 778
511 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:00,091 : INFO : EPOCH 1 - PROGRESS: at 56.03% examples, 778
524 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:01,093 : INFO : EPOCH 1 - PROGRESS: at 56.44% examples, 778
545 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:02,100 : INFO : EPOCH 1 - PROGRESS: at 56.87% examples, 778
515 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:03,120 : INFO : EPOCH 1 - PROGRESS: at 57.32% examples, 778
589 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:04,127 : INFO : EPOCH 1 - PROGRESS: at 57.69% examples, 778
743 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:05,150 : INFO : EPOCH 1 - PROGRESS: at 58.09% examples, 778
751 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:43:06,180 : INFO : EPOCH 1 - PROGRESS: at 58.47% examples, 778
789 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:07,187 : INFO : EPOCH 1 - PROGRESS: at 58.86% examples, 778
810 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:08,192 : INFO : EPOCH 1 - PROGRESS: at 59.24% examples, 778
928 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:09,192 : INFO : EPOCH 1 - PROGRESS: at 59.64% examples, 779
167 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:10,202 : INFO : EPOCH 1 - PROGRESS: at 60.05% examples, 779
220 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:11,210 : INFO : EPOCH 1 - PROGRESS: at 60.42% examples, 779
005 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:12,211 : INFO : EPOCH 1 - PROGRESS: at 60.82% examples, 779
039 words/s, in_qsize 5, out_qsize 0
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2023-05-10 14:43:13,230 : INFO : EPOCH 1 - PROGRESS: at 61.26% examples, 779
054 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:14,232 : INFO : EPOCH 1 - PROGRESS: at 61.64% examples, 779
128 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:15,233 : INFO : EPOCH 1 - PROGRESS: at 62.01% examples, 779
234 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:16,257 : INFO : EPOCH 1 - PROGRESS: at 62.41% examples, 779
198 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:17,277 : INFO : EPOCH 1 - PROGRESS: at 62.83% examples, 779
266 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:18,292 : INFO : EPOCH 1 - PROGRESS: at 63.25% examples, 779
298 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:19,297 : INFO : EPOCH 1 - PROGRESS: at 63.64% examples, 779
223 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:20,299 : INFO : EPOCH 1 - PROGRESS: at 63.98% examples, 779
342 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:21,305 : INFO : EPOCH 1 - PROGRESS: at 64.40% examples, 779
366 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:22,314 : INFO : EPOCH 1 - PROGRESS: at 64.81% examples, 779
404 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:23,316 : INFO : EPOCH 1 - PROGRESS: at 65.24% examples, 779
372 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:24,320 : INFO : EPOCH 1 - PROGRESS: at 65.70% examples, 779
470 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:25,322 : INFO : EPOCH 1 - PROGRESS: at 66.09% examples, 779
520 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:26,329 : INFO : EPOCH 1 - PROGRESS: at 66.54% examples, 779
557 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:27,344 : INFO : EPOCH 1 - PROGRESS: at 66.95% examples, 779
539 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:28,346 : INFO : EPOCH 1 - PROGRESS: at 67.43% examples, 779
563 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:29,348 : INFO : EPOCH 1 - PROGRESS: at 67.91% examples, 779
664 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:30,354 : INFO : EPOCH 1 - PROGRESS: at 68.44% examples, 779
775 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:31,362 : INFO : EPOCH 1 - PROGRESS: at 68.84% examples, 779
713 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:32,365 : INFO : EPOCH 1 - PROGRESS: at 69.29% examples, 779
690 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:33,380 : INFO : EPOCH 1 - PROGRESS: at 69.75% examples, 779
726 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:34,384 : INFO : EPOCH 1 - PROGRESS: at 70.19% examples, 779
772 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:35,395 : INFO : EPOCH 1 - PROGRESS: at 70.62% examples, 779
806 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:36,406 : INFO : EPOCH 1 - PROGRESS: at 71.10% examples, 779
862 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:37,413 : INFO : EPOCH 1 - PROGRESS: at 71.54% examples, 779
877 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:38,431 : INFO : EPOCH 1 - PROGRESS: at 72.02% examples, 779
961 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:39,438 : INFO : EPOCH 1 - PROGRESS: at 72.50% examples, 780
081 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:40,448 : INFO : EPOCH 1 - PROGRESS: at 72.95% examples, 780
018 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:43:41,460 : INFO : EPOCH 1 - PROGRESS: at 73.39% examples, 779
962 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:42,471 : INFO : EPOCH 1 - PROGRESS: at 73.82% examples, 780
035 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:43,477 : INFO : EPOCH 1 - PROGRESS: at 74.18% examples, 780
047 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:44,483 : INFO : EPOCH 1 - PROGRESS: at 74.52% examples, 780
103 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:43:45,486 : INFO : EPOCH 1 - PROGRESS: at 74.92% examples, 780
220 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:46,498 : INFO : EPOCH 1 - PROGRESS: at 75.35% examples, 780
246 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:43:47,507 : INFO : EPOCH 1 - PROGRESS: at 75.82% examples, 780
289 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:48,512 : INFO : EPOCH 1 - PROGRESS: at 76.26% examples, 780
366 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:49,523 : INFO : EPOCH 1 - PROGRESS: at 76.60% examples, 780
472 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:50,526 : INFO : EPOCH 1 - PROGRESS: at 77.01% examples, 780
493 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:51,536 : INFO : EPOCH 1 - PROGRESS: at 77.45% examples, 780
481 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:52,537 : INFO : EPOCH 1 - PROGRESS: at 77.92% examples, 780
562 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:53,542 : INFO : EPOCH 1 - PROGRESS: at 78.34% examples, 780
553 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:54,545 : INFO : EPOCH 1 - PROGRESS: at 78.73% examples, 780
542 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:43:55,551 : INFO : EPOCH 1 - PROGRESS: at 79.15% examples, 780
496 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:56,565 : INFO : EPOCH 1 - PROGRESS: at 79.58% examples, 780
448 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:57,568 : INFO : EPOCH 1 - PROGRESS: at 80.03% examples, 780
459 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:58,569 : INFO : EPOCH 1 - PROGRESS: at 80.49% examples, 780
555 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:43:59,575 : INFO : EPOCH 1 - PROGRESS: at 80.90% examples, 780
552 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:00,586 : INFO : EPOCH 1 - PROGRESS: at 81.33% examples, 780
628 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:01,596 : INFO : EPOCH 1 - PROGRESS: at 81.74% examples, 780
526 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:02,596 : INFO : EPOCH 1 - PROGRESS: at 82.09% examples, 780
531 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:03,604 : INFO : EPOCH 1 - PROGRESS: at 82.50% examples, 780
620 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:04,623 : INFO : EPOCH 1 - PROGRESS: at 82.91% examples, 780
552 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:05,632 : INFO : EPOCH 1 - PROGRESS: at 83.34% examples, 780
646 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:06,644 : INFO : EPOCH 1 - PROGRESS: at 83.73% examples, 780
675 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:07,645 : INFO : EPOCH 1 - PROGRESS: at 84.13% examples, 780
777 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:08,649 : INFO : EPOCH 1 - PROGRESS: at 84.60% examples, 780
857 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:09,651 : INFO : EPOCH 1 - PROGRESS: at 85.02% examples, 780
848 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:10,659 : INFO : EPOCH 1 - PROGRESS: at 85.42% examples, 780
896 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:11,663 : INFO : EPOCH 1 - PROGRESS: at 85.86% examples, 780
833 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:12,672 : INFO : EPOCH 1 - PROGRESS: at 86.32% examples, 780
786 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:13,682 : INFO : EPOCH 1 - PROGRESS: at 86.78% examples, 780
770 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:14,689 : INFO : EPOCH 1 - PROGRESS: at 87.23% examples, 780
795 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:15,693 : INFO : EPOCH 1 - PROGRESS: at 87.67% examples, 780
817 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:16,693 : INFO : EPOCH 1 - PROGRESS: at 88.11% examples, 780
935 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:44:17,696 : INFO : EPOCH 1 - PROGRESS: at 88.58% examples, 780
913 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:18,712 : INFO : EPOCH 1 - PROGRESS: at 89.03% examples, 780
916 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:44:19,718 : INFO : EPOCH 1 - PROGRESS: at 89.49% examples, 780
893 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:20,728 : INFO : EPOCH 1 - PROGRESS: at 89.94% examples, 780
879 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:21,738 : INFO : EPOCH 1 - PROGRESS: at 90.40% examples, 780
945 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:22,751 : INFO : EPOCH 1 - PROGRESS: at 90.85% examples, 780
950 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:23,755 : INFO : EPOCH 1 - PROGRESS: at 91.27% examples, 780
904 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:24,755 : INFO : EPOCH 1 - PROGRESS: at 91.75% examples, 780
829 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:25,761 : INFO : EPOCH 1 - PROGRESS: at 92.20% examples, 780
726 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:26,765 : INFO : EPOCH 1 - PROGRESS: at 92.70% examples, 780
734 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:27,773 : INFO : EPOCH 1 - PROGRESS: at 93.21% examples, 780
677 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:28,782 : INFO : EPOCH 1 - PROGRESS: at 93.66% examples, 780
731 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:29,793 : INFO : EPOCH 1 - PROGRESS: at 94.07% examples, 780
775 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:30,814 : INFO : EPOCH 1 - PROGRESS: at 94.54% examples, 780
711 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:44:31,822 : INFO : EPOCH 1 - PROGRESS: at 95.00% examples, 780
674 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:32,827 : INFO : EPOCH 1 - PROGRESS: at 95.45% examples, 780
686 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:33,828 : INFO : EPOCH 1 - PROGRESS: at 95.96% examples, 780
759 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:34,834 : INFO : EPOCH 1 - PROGRESS: at 96.43% examples, 780
793 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:35,833 : INFO : EPOCH 1 - PROGRESS: at 96.92% examples, 780
801 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:36,841 : INFO : EPOCH 1 - PROGRESS: at 97.42% examples, 780
793 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:37,844 : INFO : EPOCH 1 - PROGRESS: at 97.89% examples, 780
848 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:38,850 : INFO : EPOCH 1 - PROGRESS: at 98.40% examples, 780
945 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:39,871 : INFO : EPOCH 1 - PROGRESS: at 98.84% examples, 780
906 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:40,888 : INFO : EPOCH 1 - PROGRESS: at 99.35% examples, 780
874 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:41,888 : INFO : EPOCH 1 - PROGRESS: at 99.85% examples, 780
924 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:42,152 : INFO : EPOCH 1: training on 213408986 raw words (2
07154610 effective words) took 265.3s, 780942 effective words/s
2023-05-10 14:44:43,156 : INFO : EPOCH 2 - PROGRESS: at 0.10% examples, 7609
41 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:44,161 : INFO : EPOCH 2 - PROGRESS: at 0.22% examples, 7577
25 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:45,177 : INFO : EPOCH 2 - PROGRESS: at 0.37% examples, 7611
57 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:46,178 : INFO : EPOCH 2 - PROGRESS: at 0.51% examples, 7606
46 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:47,186 : INFO : EPOCH 2 - PROGRESS: at 0.67% examples, 7607
63 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:48,202 : INFO : EPOCH 2 - PROGRESS: at 0.93% examples, 7558
98 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:44:49,207 : INFO : EPOCH 2 - PROGRESS: at 1.10% examples, 7557
80 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:50,219 : INFO : EPOCH 2 - PROGRESS: at 1.29% examples, 7560
44 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:51,224 : INFO : EPOCH 2 - PROGRESS: at 1.49% examples, 7581
90 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:52,239 : INFO : EPOCH 2 - PROGRESS: at 1.67% examples, 7495
87 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:53,245 : INFO : EPOCH 2 - PROGRESS: at 1.87% examples, 7513
04 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:54,261 : INFO : EPOCH 2 - PROGRESS: at 2.07% examples, 7525
48 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:55,276 : INFO : EPOCH 2 - PROGRESS: at 2.27% examples, 7539
10 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:56,294 : INFO : EPOCH 2 - PROGRESS: at 2.46% examples, 7558
78 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:57,297 : INFO : EPOCH 2 - PROGRESS: at 2.69% examples, 7567
74 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:44:58,302 : INFO : EPOCH 2 - PROGRESS: at 2.90% examples, 7528
33 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:44:59,305 : INFO : EPOCH 2 - PROGRESS: at 3.14% examples, 7530
58 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:00,307 : INFO : EPOCH 2 - PROGRESS: at 3.37% examples, 7533
09 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:01,322 : INFO : EPOCH 2 - PROGRESS: at 3.59% examples, 7522
86 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:02,322 : INFO : EPOCH 2 - PROGRESS: at 3.82% examples, 7529
22 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:03,336 : INFO : EPOCH 2 - PROGRESS: at 4.06% examples, 7530
60 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:04,343 : INFO : EPOCH 2 - PROGRESS: at 4.31% examples, 7533
72 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:05,345 : INFO : EPOCH 2 - PROGRESS: at 4.55% examples, 7540
75 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:06,348 : INFO : EPOCH 2 - PROGRESS: at 4.78% examples, 7546
70 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:07,360 : INFO : EPOCH 2 - PROGRESS: at 5.03% examples, 7552
83 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:08,361 : INFO : EPOCH 2 - PROGRESS: at 5.28% examples, 7566
15 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:09,361 : INFO : EPOCH 2 - PROGRESS: at 5.55% examples, 7569
38 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:10,374 : INFO : EPOCH 2 - PROGRESS: at 5.80% examples, 7576
89 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:11,383 : INFO : EPOCH 2 - PROGRESS: at 6.07% examples, 7588
81 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:12,388 : INFO : EPOCH 2 - PROGRESS: at 6.36% examples, 7595
59 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:13,395 : INFO : EPOCH 2 - PROGRESS: at 6.67% examples, 7601
36 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:14,409 : INFO : EPOCH 2 - PROGRESS: at 6.92% examples, 7607
53 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:15,416 : INFO : EPOCH 2 - PROGRESS: at 7.16% examples, 7610
97 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:16,437 : INFO : EPOCH 2 - PROGRESS: at 7.46% examples, 7614
34 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:17,452 : INFO : EPOCH 2 - PROGRESS: at 7.74% examples, 7623
54 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:18,464 : INFO : EPOCH 2 - PROGRESS: at 8.01% examples, 7621
96 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:19,483 : INFO : EPOCH 2 - PROGRESS: at 8.31% examples, 7625
07 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:20,493 : INFO : EPOCH 2 - PROGRESS: at 8.62% examples, 7627
69 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:45:21,502 : INFO : EPOCH 2 - PROGRESS: at 8.90% examples, 7628
67 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:22,516 : INFO : EPOCH 2 - PROGRESS: at 9.18% examples, 7628
56 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:23,526 : INFO : EPOCH 2 - PROGRESS: at 9.48% examples, 7631
96 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:24,528 : INFO : EPOCH 2 - PROGRESS: at 9.78% examples, 7632
41 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:25,534 : INFO : EPOCH 2 - PROGRESS: at 10.08% examples, 763
623 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:26,535 : INFO : EPOCH 2 - PROGRESS: at 10.37% examples, 762
790 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:27,559 : INFO : EPOCH 2 - PROGRESS: at 10.66% examples, 762
188 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:28,564 : INFO : EPOCH 2 - PROGRESS: at 10.96% examples, 762
539 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:29,572 : INFO : EPOCH 2 - PROGRESS: at 11.26% examples, 762
300 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:30,573 : INFO : EPOCH 2 - PROGRESS: at 11.58% examples, 762
554 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:31,589 : INFO : EPOCH 2 - PROGRESS: at 11.87% examples, 762
493 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:45:32,591 : INFO : EPOCH 2 - PROGRESS: at 12.19% examples, 762
519 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:33,596 : INFO : EPOCH 2 - PROGRESS: at 12.50% examples, 762
405 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:45:34,601 : INFO : EPOCH 2 - PROGRESS: at 12.83% examples, 762
711 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:35,617 : INFO : EPOCH 2 - PROGRESS: at 13.16% examples, 762
384 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:36,648 : INFO : EPOCH 2 - PROGRESS: at 13.36% examples, 757
256 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:37,650 : INFO : EPOCH 2 - PROGRESS: at 13.62% examples, 755
424 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:38,659 : INFO : EPOCH 2 - PROGRESS: at 13.90% examples, 754
791 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:39,674 : INFO : EPOCH 2 - PROGRESS: at 14.21% examples, 754
467 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:40,682 : INFO : EPOCH 2 - PROGRESS: at 14.54% examples, 753
799 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:41,687 : INFO : EPOCH 2 - PROGRESS: at 14.86% examples, 753
642 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:42,688 : INFO : EPOCH 2 - PROGRESS: at 15.20% examples, 753
746 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:43,702 : INFO : EPOCH 2 - PROGRESS: at 15.52% examples, 753
759 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:44,706 : INFO : EPOCH 2 - PROGRESS: at 15.86% examples, 753
914 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:45,721 : INFO : EPOCH 2 - PROGRESS: at 16.18% examples, 754
056 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:46,728 : INFO : EPOCH 2 - PROGRESS: at 16.54% examples, 754
031 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:47,734 : INFO : EPOCH 2 - PROGRESS: at 16.89% examples, 754
412 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:48,740 : INFO : EPOCH 2 - PROGRESS: at 17.25% examples, 754
733 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:49,751 : INFO : EPOCH 2 - PROGRESS: at 17.60% examples, 755
192 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:50,756 : INFO : EPOCH 2 - PROGRESS: at 17.93% examples, 755
112 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:51,768 : INFO : EPOCH 2 - PROGRESS: at 18.30% examples, 755
387 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:52,776 : INFO : EPOCH 2 - PROGRESS: at 18.66% examples, 755
477 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:45:53,782 : INFO : EPOCH 2 - PROGRESS: at 19.00% examples, 756
212 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:54,792 : INFO : EPOCH 2 - PROGRESS: at 19.37% examples, 756
574 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:45:55,792 : INFO : EPOCH 2 - PROGRESS: at 19.76% examples, 756
969 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:56,805 : INFO : EPOCH 2 - PROGRESS: at 20.15% examples, 757
231 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:57,816 : INFO : EPOCH 2 - PROGRESS: at 20.53% examples, 757
696 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:58,820 : INFO : EPOCH 2 - PROGRESS: at 20.90% examples, 758
076 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:45:59,832 : INFO : EPOCH 2 - PROGRESS: at 21.26% examples, 758
456 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:00,833 : INFO : EPOCH 2 - PROGRESS: at 21.61% examples, 758
612 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:01,838 : INFO : EPOCH 2 - PROGRESS: at 21.97% examples, 758
812 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:02,847 : INFO : EPOCH 2 - PROGRESS: at 22.35% examples, 759
205 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:03,848 : INFO : EPOCH 2 - PROGRESS: at 22.73% examples, 759
510 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:04,859 : INFO : EPOCH 2 - PROGRESS: at 23.06% examples, 760
062 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:05,877 : INFO : EPOCH 2 - PROGRESS: at 23.43% examples, 760
422 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:06,879 : INFO : EPOCH 2 - PROGRESS: at 23.79% examples, 760
765 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:07,880 : INFO : EPOCH 2 - PROGRESS: at 24.15% examples, 760
949 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:08,884 : INFO : EPOCH 2 - PROGRESS: at 24.53% examples, 761
492 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:09,885 : INFO : EPOCH 2 - PROGRESS: at 24.93% examples, 761
920 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:10,892 : INFO : EPOCH 2 - PROGRESS: at 25.30% examples, 762
303 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:46:11,893 : INFO : EPOCH 2 - PROGRESS: at 25.66% examples, 762
564 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:12,898 : INFO : EPOCH 2 - PROGRESS: at 26.05% examples, 762
885 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:13,900 : INFO : EPOCH 2 - PROGRESS: at 26.48% examples, 763
098 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:14,906 : INFO : EPOCH 2 - PROGRESS: at 26.89% examples, 763
298 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:15,911 : INFO : EPOCH 2 - PROGRESS: at 27.27% examples, 763
294 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:16,913 : INFO : EPOCH 2 - PROGRESS: at 27.76% examples, 763
659 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:17,928 : INFO : EPOCH 2 - PROGRESS: at 28.14% examples, 763
560 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:18,934 : INFO : EPOCH 2 - PROGRESS: at 28.59% examples, 763
851 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:19,940 : INFO : EPOCH 2 - PROGRESS: at 29.00% examples, 764
144 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:20,948 : INFO : EPOCH 2 - PROGRESS: at 29.34% examples, 763
571 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:21,957 : INFO : EPOCH 2 - PROGRESS: at 29.68% examples, 763
879 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:22,968 : INFO : EPOCH 2 - PROGRESS: at 30.02% examples, 764
093 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:23,977 : INFO : EPOCH 2 - PROGRESS: at 30.37% examples, 764
271 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:24,977 : INFO : EPOCH 2 - PROGRESS: at 30.76% examples, 764
443 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:46:25,983 : INFO : EPOCH 2 - PROGRESS: at 31.16% examples, 764
534 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:26,985 : INFO : EPOCH 2 - PROGRESS: at 31.52% examples, 764
826 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:28,000 : INFO : EPOCH 2 - PROGRESS: at 31.89% examples, 765
055 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:29,003 : INFO : EPOCH 2 - PROGRESS: at 32.28% examples, 765
130 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:30,010 : INFO : EPOCH 2 - PROGRESS: at 32.70% examples, 765
254 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:31,017 : INFO : EPOCH 2 - PROGRESS: at 33.13% examples, 765
395 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:32,017 : INFO : EPOCH 2 - PROGRESS: at 33.48% examples, 765
362 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:33,020 : INFO : EPOCH 2 - PROGRESS: at 33.90% examples, 765
693 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:34,024 : INFO : EPOCH 2 - PROGRESS: at 34.27% examples, 765
803 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:35,027 : INFO : EPOCH 2 - PROGRESS: at 34.63% examples, 765
869 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:36,034 : INFO : EPOCH 2 - PROGRESS: at 35.01% examples, 765
771 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:37,038 : INFO : EPOCH 2 - PROGRESS: at 35.36% examples, 765
947 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:38,050 : INFO : EPOCH 2 - PROGRESS: at 35.77% examples, 766
018 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:39,060 : INFO : EPOCH 2 - PROGRESS: at 36.21% examples, 766
246 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:40,068 : INFO : EPOCH 2 - PROGRESS: at 36.62% examples, 766
260 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:46:41,068 : INFO : EPOCH 2 - PROGRESS: at 36.98% examples, 766
355 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:42,071 : INFO : EPOCH 2 - PROGRESS: at 37.37% examples, 766
587 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:43,076 : INFO : EPOCH 2 - PROGRESS: at 37.76% examples, 766
456 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:46:44,081 : INFO : EPOCH 2 - PROGRESS: at 38.16% examples, 766
500 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:45,086 : INFO : EPOCH 2 - PROGRESS: at 38.52% examples, 766
585 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:46,091 : INFO : EPOCH 2 - PROGRESS: at 38.87% examples, 766
508 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:47,092 : INFO : EPOCH 2 - PROGRESS: at 39.17% examples, 767
486 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:48,099 : INFO : EPOCH 2 - PROGRESS: at 39.56% examples, 767
815 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:49,099 : INFO : EPOCH 2 - PROGRESS: at 39.97% examples, 767
862 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:50,123 : INFO : EPOCH 2 - PROGRESS: at 40.41% examples, 767
989 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:46:51,123 : INFO : EPOCH 2 - PROGRESS: at 40.83% examples, 768
159 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:52,130 : INFO : EPOCH 2 - PROGRESS: at 41.23% examples, 768
232 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:53,143 : INFO : EPOCH 2 - PROGRESS: at 41.61% examples, 768
385 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:46:54,144 : INFO : EPOCH 2 - PROGRESS: at 42.02% examples, 768
449 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:55,149 : INFO : EPOCH 2 - PROGRESS: at 42.37% examples, 768
495 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:56,151 : INFO : EPOCH 2 - PROGRESS: at 42.84% examples, 768
643 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:57,162 : INFO : EPOCH 2 - PROGRESS: at 43.27% examples, 768
641 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:46:58,166 : INFO : EPOCH 2 - PROGRESS: at 43.79% examples, 768
805 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:46:59,177 : INFO : EPOCH 2 - PROGRESS: at 44.28% examples, 768
985 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:00,179 : INFO : EPOCH 2 - PROGRESS: at 44.74% examples, 769
138 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:01,183 : INFO : EPOCH 2 - PROGRESS: at 45.21% examples, 769
132 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:02,197 : INFO : EPOCH 2 - PROGRESS: at 45.68% examples, 769
143 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:03,197 : INFO : EPOCH 2 - PROGRESS: at 46.10% examples, 769
232 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:04,211 : INFO : EPOCH 2 - PROGRESS: at 46.56% examples, 769
288 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:05,221 : INFO : EPOCH 2 - PROGRESS: at 46.92% examples, 769
340 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:06,236 : INFO : EPOCH 2 - PROGRESS: at 47.38% examples, 769
353 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:07,241 : INFO : EPOCH 2 - PROGRESS: at 47.82% examples, 769
624 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:08,257 : INFO : EPOCH 2 - PROGRESS: at 48.29% examples, 769
721 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:09,257 : INFO : EPOCH 2 - PROGRESS: at 48.68% examples, 769
717 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:10,271 : INFO : EPOCH 2 - PROGRESS: at 49.14% examples, 769
801 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:11,278 : INFO : EPOCH 2 - PROGRESS: at 49.66% examples, 770
098 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:47:12,285 : INFO : EPOCH 2 - PROGRESS: at 50.08% examples, 770
282 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:13,312 : INFO : EPOCH 2 - PROGRESS: at 50.47% examples, 771
346 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:14,322 : INFO : EPOCH 2 - PROGRESS: at 50.92% examples, 771
255 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:15,323 : INFO : EPOCH 2 - PROGRESS: at 51.36% examples, 771
423 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:16,326 : INFO : EPOCH 2 - PROGRESS: at 51.70% examples, 771
456 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:17,336 : INFO : EPOCH 2 - PROGRESS: at 52.08% examples, 771
411 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:18,338 : INFO : EPOCH 2 - PROGRESS: at 52.54% examples, 771
531 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:19,344 : INFO : EPOCH 2 - PROGRESS: at 52.95% examples, 771
590 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:20,345 : INFO : EPOCH 2 - PROGRESS: at 53.34% examples, 771
599 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:21,363 : INFO : EPOCH 2 - PROGRESS: at 53.77% examples, 771
638 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:22,371 : INFO : EPOCH 2 - PROGRESS: at 54.16% examples, 771
665 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:23,371 : INFO : EPOCH 2 - PROGRESS: at 54.59% examples, 771
726 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:24,378 : INFO : EPOCH 2 - PROGRESS: at 55.01% examples, 771
971 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:25,381 : INFO : EPOCH 2 - PROGRESS: at 55.46% examples, 772
035 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:26,381 : INFO : EPOCH 2 - PROGRESS: at 55.88% examples, 772
100 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:27,390 : INFO : EPOCH 2 - PROGRESS: at 56.33% examples, 772
237 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:28,390 : INFO : EPOCH 2 - PROGRESS: at 56.76% examples, 772
382 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:29,395 : INFO : EPOCH 2 - PROGRESS: at 57.20% examples, 772
505 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:47:30,404 : INFO : EPOCH 2 - PROGRESS: at 57.59% examples, 772
622 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:31,405 : INFO : EPOCH 2 - PROGRESS: at 57.96% examples, 772
629 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:32,413 : INFO : EPOCH 2 - PROGRESS: at 58.34% examples, 772
691 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:33,414 : INFO : EPOCH 2 - PROGRESS: at 58.74% examples, 772
635 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:34,418 : INFO : EPOCH 2 - PROGRESS: at 59.10% examples, 772
810 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:35,423 : INFO : EPOCH 2 - PROGRESS: at 59.47% examples, 773
090 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:36,442 : INFO : EPOCH 2 - PROGRESS: at 59.90% examples, 773
137 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:37,443 : INFO : EPOCH 2 - PROGRESS: at 60.32% examples, 773
293 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:38,463 : INFO : EPOCH 2 - PROGRESS: at 60.70% examples, 773
267 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:39,465 : INFO : EPOCH 2 - PROGRESS: at 61.13% examples, 773
341 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:40,466 : INFO : EPOCH 2 - PROGRESS: at 61.52% examples, 773
339 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:41,473 : INFO : EPOCH 2 - PROGRESS: at 61.91% examples, 773
533 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:42,480 : INFO : EPOCH 2 - PROGRESS: at 62.28% examples, 773
635 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:43,484 : INFO : EPOCH 2 - PROGRESS: at 62.68% examples, 773
734 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:44,498 : INFO : EPOCH 2 - PROGRESS: at 63.12% examples, 773
810 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:45,503 : INFO : EPOCH 2 - PROGRESS: at 63.52% examples, 773
886 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:46,514 : INFO : EPOCH 2 - PROGRESS: at 63.88% examples, 773
994 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:47,515 : INFO : EPOCH 2 - PROGRESS: at 64.28% examples, 774
194 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:48,516 : INFO : EPOCH 2 - PROGRESS: at 64.71% examples, 774
278 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:49,519 : INFO : EPOCH 2 - PROGRESS: at 65.15% examples, 774
391 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:50,530 : INFO : EPOCH 2 - PROGRESS: at 65.58% examples, 774
386 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:51,540 : INFO : EPOCH 2 - PROGRESS: at 65.98% examples, 774
371 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:52,550 : INFO : EPOCH 2 - PROGRESS: at 66.41% examples, 774
480 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:53,564 : INFO : EPOCH 2 - PROGRESS: at 66.84% examples, 774
540 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:54,564 : INFO : EPOCH 2 - PROGRESS: at 67.32% examples, 774
675 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:47:55,579 : INFO : EPOCH 2 - PROGRESS: at 67.79% examples, 774
786 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:56,580 : INFO : EPOCH 2 - PROGRESS: at 68.32% examples, 774
840 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:57,587 : INFO : EPOCH 2 - PROGRESS: at 68.72% examples, 774
895 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:58,590 : INFO : EPOCH 2 - PROGRESS: at 69.18% examples, 774
929 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:47:59,591 : INFO : EPOCH 2 - PROGRESS: at 69.65% examples, 774
908 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:00,605 : INFO : EPOCH 2 - PROGRESS: at 70.02% examples, 774
513 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:01,607 : INFO : EPOCH 2 - PROGRESS: at 70.42% examples, 774
187 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:48:02,635 : INFO : EPOCH 2 - PROGRESS: at 70.81% examples, 773
582 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:48:03,664 : INFO : EPOCH 2 - PROGRESS: at 71.21% examples, 773
025 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:04,664 : INFO : EPOCH 2 - PROGRESS: at 71.56% examples, 772
336 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:05,669 : INFO : EPOCH 2 - PROGRESS: at 72.01% examples, 772
185 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:06,675 : INFO : EPOCH 2 - PROGRESS: at 72.47% examples, 772
253 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:07,676 : INFO : EPOCH 2 - PROGRESS: at 72.91% examples, 772
171 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:08,684 : INFO : EPOCH 2 - PROGRESS: at 73.32% examples, 771
886 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:09,691 : INFO : EPOCH 2 - PROGRESS: at 73.71% examples, 771
503 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:48:10,691 : INFO : EPOCH 2 - PROGRESS: at 74.04% examples, 771
212 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:11,694 : INFO : EPOCH 2 - PROGRESS: at 74.34% examples, 770
941 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:12,694 : INFO : EPOCH 2 - PROGRESS: at 74.73% examples, 770
710 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:13,696 : INFO : EPOCH 2 - PROGRESS: at 75.07% examples, 770
493 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:14,707 : INFO : EPOCH 2 - PROGRESS: at 75.46% examples, 770
187 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:15,711 : INFO : EPOCH 2 - PROGRESS: at 75.88% examples, 769
917 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:16,718 : INFO : EPOCH 2 - PROGRESS: at 76.27% examples, 769
646 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:17,736 : INFO : EPOCH 2 - PROGRESS: at 76.57% examples, 769
506 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:18,750 : INFO : EPOCH 2 - PROGRESS: at 76.95% examples, 769
297 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:19,751 : INFO : EPOCH 2 - PROGRESS: at 77.35% examples, 769
097 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:20,755 : INFO : EPOCH 2 - PROGRESS: at 77.79% examples, 768
867 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:21,761 : INFO : EPOCH 2 - PROGRESS: at 78.15% examples, 768
459 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:22,780 : INFO : EPOCH 2 - PROGRESS: at 78.54% examples, 768
067 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:23,803 : INFO : EPOCH 2 - PROGRESS: at 78.88% examples, 767
590 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:24,810 : INFO : EPOCH 2 - PROGRESS: at 79.24% examples, 767
155 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:25,814 : INFO : EPOCH 2 - PROGRESS: at 79.65% examples, 767
036 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:26,835 : INFO : EPOCH 2 - PROGRESS: at 80.06% examples, 766
744 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:27,848 : INFO : EPOCH 2 - PROGRESS: at 80.48% examples, 766
560 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:28,866 : INFO : EPOCH 2 - PROGRESS: at 80.86% examples, 766
336 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:29,867 : INFO : EPOCH 2 - PROGRESS: at 81.26% examples, 766
226 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:30,872 : INFO : EPOCH 2 - PROGRESS: at 81.65% examples, 766
101 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:31,878 : INFO : EPOCH 2 - PROGRESS: at 82.01% examples, 766
146 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:32,895 : INFO : EPOCH 2 - PROGRESS: at 82.43% examples, 766
219 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:33,913 : INFO : EPOCH 2 - PROGRESS: at 82.82% examples, 766
311 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:48:34,935 : INFO : EPOCH 2 - PROGRESS: at 83.26% examples, 766
347 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:35,941 : INFO : EPOCH 2 - PROGRESS: at 83.65% examples, 766
418 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:48:36,941 : INFO : EPOCH 2 - PROGRESS: at 84.04% examples, 766
661 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:37,953 : INFO : EPOCH 2 - PROGRESS: at 84.53% examples, 766
788 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:48:38,954 : INFO : EPOCH 2 - PROGRESS: at 84.95% examples, 766
917 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:39,964 : INFO : EPOCH 2 - PROGRESS: at 85.35% examples, 767
046 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:40,974 : INFO : EPOCH 2 - PROGRESS: at 85.82% examples, 767
198 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:41,988 : INFO : EPOCH 2 - PROGRESS: at 86.29% examples, 767
293 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:42,994 : INFO : EPOCH 2 - PROGRESS: at 86.74% examples, 767
315 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:44,002 : INFO : EPOCH 2 - PROGRESS: at 87.19% examples, 767
387 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:45,005 : INFO : EPOCH 2 - PROGRESS: at 87.64% examples, 767
444 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:46,006 : INFO : EPOCH 2 - PROGRESS: at 88.06% examples, 767
524 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:47,015 : INFO : EPOCH 2 - PROGRESS: at 88.54% examples, 767
656 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:48,035 : INFO : EPOCH 2 - PROGRESS: at 89.00% examples, 767
737 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:49,041 : INFO : EPOCH 2 - PROGRESS: at 89.46% examples, 767
803 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:50,061 : INFO : EPOCH 2 - PROGRESS: at 89.93% examples, 767
891 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:51,063 : INFO : EPOCH 2 - PROGRESS: at 90.38% examples, 768
057 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:52,071 : INFO : EPOCH 2 - PROGRESS: at 90.85% examples, 768
213 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:53,073 : INFO : EPOCH 2 - PROGRESS: at 91.28% examples, 768
307 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:54,084 : INFO : EPOCH 2 - PROGRESS: at 91.79% examples, 768
358 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:55,110 : INFO : EPOCH 2 - PROGRESS: at 92.26% examples, 768
484 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:56,117 : INFO : EPOCH 2 - PROGRESS: at 92.79% examples, 768
623 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:57,119 : INFO : EPOCH 2 - PROGRESS: at 93.32% examples, 768
729 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:48:58,151 : INFO : EPOCH 2 - PROGRESS: at 93.75% examples, 768
794 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:48:59,154 : INFO : EPOCH 2 - PROGRESS: at 94.17% examples, 768
922 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:00,156 : INFO : EPOCH 2 - PROGRESS: at 94.64% examples, 768
983 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:01,171 : INFO : EPOCH 2 - PROGRESS: at 95.14% examples, 769
074 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:02,175 : INFO : EPOCH 2 - PROGRESS: at 95.56% examples, 769
021 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:03,190 : INFO : EPOCH 2 - PROGRESS: at 96.04% examples, 768
944 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:04,190 : INFO : EPOCH 2 - PROGRESS: at 96.51% examples, 769
021 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:05,196 : INFO : EPOCH 2 - PROGRESS: at 97.01% examples, 769
119 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:06,206 : INFO : EPOCH 2 - PROGRESS: at 97.51% examples, 769
129 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:49:07,220 : INFO : EPOCH 2 - PROGRESS: at 97.93% examples, 768
977 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:08,228 : INFO : EPOCH 2 - PROGRESS: at 98.42% examples, 768
910 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:09,237 : INFO : EPOCH 2 - PROGRESS: at 98.83% examples, 768
750 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:10,252 : INFO : EPOCH 2 - PROGRESS: at 99.31% examples, 768
662 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:11,257 : INFO : EPOCH 2 - PROGRESS: at 99.75% examples, 768
358 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:11,741 : INFO : EPOCH 2: training on 213408986 raw words (2
07155999 effective words) took 269.6s, 768392 effective words/s
2023-05-10 14:49:12,745 : INFO : EPOCH 3 - PROGRESS: at 0.09% examples, 7277
74 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:13,768 : INFO : EPOCH 3 - PROGRESS: at 0.22% examples, 7401
36 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:14,768 : INFO : EPOCH 3 - PROGRESS: at 0.35% examples, 7366
62 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:15,780 : INFO : EPOCH 3 - PROGRESS: at 0.49% examples, 7290
75 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:16,794 : INFO : EPOCH 3 - PROGRESS: at 0.62% examples, 7082
27 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:17,802 : INFO : EPOCH 3 - PROGRESS: at 0.86% examples, 6995
29 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:18,814 : INFO : EPOCH 3 - PROGRESS: at 1.02% examples, 7020
98 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:19,815 : INFO : EPOCH 3 - PROGRESS: at 1.17% examples, 6987
32 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:20,817 : INFO : EPOCH 3 - PROGRESS: at 1.35% examples, 6952
25 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:21,834 : INFO : EPOCH 3 - PROGRESS: at 1.54% examples, 6986
68 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:22,837 : INFO : EPOCH 3 - PROGRESS: at 1.72% examples, 7004
45 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:23,837 : INFO : EPOCH 3 - PROGRESS: at 1.90% examples, 6999
26 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:24,847 : INFO : EPOCH 3 - PROGRESS: at 2.08% examples, 6989
28 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:25,853 : INFO : EPOCH 3 - PROGRESS: at 2.27% examples, 7007
48 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:26,857 : INFO : EPOCH 3 - PROGRESS: at 2.44% examples, 7014
93 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:27,869 : INFO : EPOCH 3 - PROGRESS: at 2.65% examples, 7029
36 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:28,890 : INFO : EPOCH 3 - PROGRESS: at 2.87% examples, 7044
40 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:29,894 : INFO : EPOCH 3 - PROGRESS: at 3.09% examples, 7039
89 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:30,900 : INFO : EPOCH 3 - PROGRESS: at 3.32% examples, 7045
33 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:31,905 : INFO : EPOCH 3 - PROGRESS: at 3.51% examples, 7047
95 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:32,913 : INFO : EPOCH 3 - PROGRESS: at 3.75% examples, 7056
54 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:33,919 : INFO : EPOCH 3 - PROGRESS: at 3.98% examples, 7092
63 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:34,926 : INFO : EPOCH 3 - PROGRESS: at 4.22% examples, 7102
60 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:35,940 : INFO : EPOCH 3 - PROGRESS: at 4.45% examples, 7106
19 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:36,953 : INFO : EPOCH 3 - PROGRESS: at 4.69% examples, 7116
38 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:49:37,964 : INFO : EPOCH 3 - PROGRESS: at 4.90% examples, 7105
38 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:49:38,972 : INFO : EPOCH 3 - PROGRESS: at 5.12% examples, 7109
80 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:39,984 : INFO : EPOCH 3 - PROGRESS: at 5.36% examples, 7116
67 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:41,010 : INFO : EPOCH 3 - PROGRESS: at 5.62% examples, 7122
95 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:42,010 : INFO : EPOCH 3 - PROGRESS: at 5.86% examples, 7135
07 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:43,017 : INFO : EPOCH 3 - PROGRESS: at 6.13% examples, 7148
49 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:44,018 : INFO : EPOCH 3 - PROGRESS: at 6.43% examples, 7167
43 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:45,023 : INFO : EPOCH 3 - PROGRESS: at 6.69% examples, 7157
17 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:46,025 : INFO : EPOCH 3 - PROGRESS: at 6.91% examples, 7152
40 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:47,028 : INFO : EPOCH 3 - PROGRESS: at 7.13% examples, 7147
44 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:48,045 : INFO : EPOCH 3 - PROGRESS: at 7.38% examples, 7136
16 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:49,049 : INFO : EPOCH 3 - PROGRESS: at 7.64% examples, 7139
31 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:50,067 : INFO : EPOCH 3 - PROGRESS: at 7.88% examples, 7127
47 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:51,067 : INFO : EPOCH 3 - PROGRESS: at 8.15% examples, 7131
34 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:52,074 : INFO : EPOCH 3 - PROGRESS: at 8.44% examples, 7133
49 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:49:53,093 : INFO : EPOCH 3 - PROGRESS: at 8.71% examples, 7128
90 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:54,095 : INFO : EPOCH 3 - PROGRESS: at 8.95% examples, 7120
19 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:55,107 : INFO : EPOCH 3 - PROGRESS: at 9.23% examples, 7127
95 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:56,112 : INFO : EPOCH 3 - PROGRESS: at 9.52% examples, 7141
10 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:57,126 : INFO : EPOCH 3 - PROGRESS: at 9.82% examples, 7148
04 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:58,132 : INFO : EPOCH 3 - PROGRESS: at 10.13% examples, 716
583 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:49:59,142 : INFO : EPOCH 3 - PROGRESS: at 10.43% examples, 718
139 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:00,152 : INFO : EPOCH 3 - PROGRESS: at 10.74% examples, 719
318 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:01,155 : INFO : EPOCH 3 - PROGRESS: at 11.04% examples, 720
403 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:02,158 : INFO : EPOCH 3 - PROGRESS: at 11.35% examples, 721
235 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:03,163 : INFO : EPOCH 3 - PROGRESS: at 11.67% examples, 722
340 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:04,169 : INFO : EPOCH 3 - PROGRESS: at 11.95% examples, 722
410 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:50:05,177 : INFO : EPOCH 3 - PROGRESS: at 12.26% examples, 723
230 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:06,181 : INFO : EPOCH 3 - PROGRESS: at 12.57% examples, 724
139 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:07,192 : INFO : EPOCH 3 - PROGRESS: at 12.92% examples, 725
205 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:08,199 : INFO : EPOCH 3 - PROGRESS: at 13.26% examples, 726
379 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:09,200 : INFO : EPOCH 3 - PROGRESS: at 13.57% examples, 727
414 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:10,203 : INFO : EPOCH 3 - PROGRESS: at 13.88% examples, 728
419 words/s, in_qsize 5, out_qsize 0
```

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hw4_word2vec

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2023-05-10 14:50:11,203 : INFO : EPOCH 3 - PROGRESS: at 14.20% examples, 729
356 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:12,212 : INFO : EPOCH 3 - PROGRESS: at 14.54% examples, 729
889 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:13,215 : INFO : EPOCH 3 - PROGRESS: at 14.89% examples, 730
890 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:14,216 : INFO : EPOCH 3 - PROGRESS: at 15.23% examples, 731
927 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:15,229 : INFO : EPOCH 3 - PROGRESS: at 15.56% examples, 732
798 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:16,244 : INFO : EPOCH 3 - PROGRESS: at 15.92% examples, 733
309 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:17,245 : INFO : EPOCH 3 - PROGRESS: at 16.23% examples, 733
962 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:18,247 : INFO : EPOCH 3 - PROGRESS: at 16.60% examples, 734
523 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:19,260 : INFO : EPOCH 3 - PROGRESS: at 16.97% examples, 735
177 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:20,263 : INFO : EPOCH 3 - PROGRESS: at 17.31% examples, 735
608 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:21,278 : INFO : EPOCH 3 - PROGRESS: at 17.67% examples, 736
446 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:22,281 : INFO : EPOCH 3 - PROGRESS: at 18.03% examples, 737
153 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:23,295 : INFO : EPOCH 3 - PROGRESS: at 18.40% examples, 737
843 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:24,301 : INFO : EPOCH 3 - PROGRESS: at 18.76% examples, 738
386 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:25,314 : INFO : EPOCH 3 - PROGRESS: at 19.07% examples, 738
684 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:26,324 : INFO : EPOCH 3 - PROGRESS: at 19.46% examples, 739
345 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:27,327 : INFO : EPOCH 3 - PROGRESS: at 19.84% examples, 740
022 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:28,333 : INFO : EPOCH 3 - PROGRESS: at 20.23% examples, 740
457 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:29,340 : INFO : EPOCH 3 - PROGRESS: at 20.61% examples, 741
016 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:50:30,346 : INFO : EPOCH 3 - PROGRESS: at 20.97% examples, 741
479 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:31,364 : INFO : EPOCH 3 - PROGRESS: at 21.32% examples, 741
811 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:32,382 : INFO : EPOCH 3 - PROGRESS: at 21.68% examples, 742
331 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:33,398 : INFO : EPOCH 3 - PROGRESS: at 22.06% examples, 742
673 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:34,398 : INFO : EPOCH 3 - PROGRESS: at 22.43% examples, 743
195 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:35,398 : INFO : EPOCH 3 - PROGRESS: at 22.79% examples, 743
629 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:36,400 : INFO : EPOCH 3 - PROGRESS: at 23.12% examples, 744
402 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:37,400 : INFO : EPOCH 3 - PROGRESS: at 23.48% examples, 744
737 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:38,402 : INFO : EPOCH 3 - PROGRESS: at 23.84% examples, 745
150 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:39,405 : INFO : EPOCH 3 - PROGRESS: at 24.20% examples, 745
430 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:40,412 : INFO : EPOCH 3 - PROGRESS: at 24.58% examples, 745
957 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:41,415 : INFO : EPOCH 3 - PROGRESS: at 24.97% examples, 746
551 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:42,419 : INFO : EPOCH 3 - PROGRESS: at 25.34% examples, 746
963 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:50:43,418 : INFO : EPOCH 3 - PROGRESS: at 25.70% examples, 747
394 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:44,424 : INFO : EPOCH 3 - PROGRESS: at 26.09% examples, 747
678 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:45,431 : INFO : EPOCH 3 - PROGRESS: at 26.51% examples, 747
867 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:50:46,437 : INFO : EPOCH 3 - PROGRESS: at 26.92% examples, 748
273 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:47,438 : INFO : EPOCH 3 - PROGRESS: at 27.30% examples, 748
390 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:48,441 : INFO : EPOCH 3 - PROGRESS: at 27.77% examples, 748
650 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:50:49,458 : INFO : EPOCH 3 - PROGRESS: at 28.15% examples, 748
619 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:50:50,462 : INFO : EPOCH 3 - PROGRESS: at 28.61% examples, 749
144 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:51,474 : INFO : EPOCH 3 - PROGRESS: at 29.00% examples, 749
442 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:52,474 : INFO : EPOCH 3 - PROGRESS: at 29.36% examples, 749
672 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:53,489 : INFO : EPOCH 3 - PROGRESS: at 29.72% examples, 750
114 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:54,488 : INFO : EPOCH 3 - PROGRESS: at 30.04% examples, 750
256 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:55,500 : INFO : EPOCH 3 - PROGRESS: at 30.39% examples, 750
471 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:56,511 : INFO : EPOCH 3 - PROGRESS: at 30.78% examples, 750
674 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:57,529 : INFO : EPOCH 3 - PROGRESS: at 31.20% examples, 751
078 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:58,530 : INFO : EPOCH 3 - PROGRESS: at 31.54% examples, 751
271 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:50:59,536 : INFO : EPOCH 3 - PROGRESS: at 31.90% examples, 751
554 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:00,539 : INFO : EPOCH 3 - PROGRESS: at 32.30% examples, 751
676 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:01,544 : INFO : EPOCH 3 - PROGRESS: at 32.70% examples, 751
680 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:02,551 : INFO : EPOCH 3 - PROGRESS: at 33.12% examples, 751
854 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:03,555 : INFO : EPOCH 3 - PROGRESS: at 33.49% examples, 752
082 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:04,560 : INFO : EPOCH 3 - PROGRESS: at 33.90% examples, 752
504 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:05,576 : INFO : EPOCH 3 - PROGRESS: at 34.28% examples, 752
787 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:06,591 : INFO : EPOCH 3 - PROGRESS: at 34.65% examples, 752
959 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:07,596 : INFO : EPOCH 3 - PROGRESS: at 35.04% examples, 753
278 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:08,615 : INFO : EPOCH 3 - PROGRESS: at 35.41% examples, 753
529 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:09,626 : INFO : EPOCH 3 - PROGRESS: at 35.82% examples, 753
781 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:10,639 : INFO : EPOCH 3 - PROGRESS: at 36.26% examples, 754
072 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:11,643 : INFO : EPOCH 3 - PROGRESS: at 36.65% examples, 754
243 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:12,654 : INFO : EPOCH 3 - PROGRESS: at 37.03% examples, 754
386 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:13,655 : INFO : EPOCH 3 - PROGRESS: at 37.40% examples, 754
567 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:14,669 : INFO : EPOCH 3 - PROGRESS: at 37.80% examples, 754
756 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:51:15,682 : INFO : EPOCH 3 - PROGRESS: at 38.22% examples, 755
038 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:16,691 : INFO : EPOCH 3 - PROGRESS: at 38.60% examples, 755
367 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:17,700 : INFO : EPOCH 3 - PROGRESS: at 38.94% examples, 755
533 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:18,703 : INFO : EPOCH 3 - PROGRESS: at 39.25% examples, 756
930 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:19,709 : INFO : EPOCH 3 - PROGRESS: at 39.64% examples, 757
092 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:20,720 : INFO : EPOCH 3 - PROGRESS: at 40.08% examples, 757
261 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:21,722 : INFO : EPOCH 3 - PROGRESS: at 40.51% examples, 757
553 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:22,723 : INFO : EPOCH 3 - PROGRESS: at 40.92% examples, 757
784 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:23,725 : INFO : EPOCH 3 - PROGRESS: at 41.32% examples, 757
941 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:24,728 : INFO : EPOCH 3 - PROGRESS: at 41.69% examples, 758
131 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:25,730 : INFO : EPOCH 3 - PROGRESS: at 42.12% examples, 758
377 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:26,735 : INFO : EPOCH 3 - PROGRESS: at 42.50% examples, 758
506 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:27,735 : INFO : EPOCH 3 - PROGRESS: at 42.94% examples, 758
620 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:28,741 : INFO : EPOCH 3 - PROGRESS: at 43.37% examples, 758
665 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:29,752 : INFO : EPOCH 3 - PROGRESS: at 43.90% examples, 758
902 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:30,764 : INFO : EPOCH 3 - PROGRESS: at 44.40% examples, 759
222 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:31,772 : INFO : EPOCH 3 - PROGRESS: at 44.83% examples, 759
200 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:32,777 : INFO : EPOCH 3 - PROGRESS: at 45.32% examples, 759
352 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:33,780 : INFO : EPOCH 3 - PROGRESS: at 45.77% examples, 759
472 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:34,784 : INFO : EPOCH 3 - PROGRESS: at 46.22% examples, 759
749 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:35,798 : INFO : EPOCH 3 - PROGRESS: at 46.65% examples, 759
939 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:36,804 : INFO : EPOCH 3 - PROGRESS: at 47.04% examples, 760
145 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:37,819 : INFO : EPOCH 3 - PROGRESS: at 47.51% examples, 760
437 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:38,823 : INFO : EPOCH 3 - PROGRESS: at 47.97% examples, 760
726 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:39,825 : INFO : EPOCH 3 - PROGRESS: at 48.41% examples, 760
971 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:40,840 : INFO : EPOCH 3 - PROGRESS: at 48.82% examples, 760
976 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:41,846 : INFO : EPOCH 3 - PROGRESS: at 49.33% examples, 761
180 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:42,850 : INFO : EPOCH 3 - PROGRESS: at 49.77% examples, 761
394 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:43,856 : INFO : EPOCH 3 - PROGRESS: at 50.18% examples, 761
924 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:44,860 : INFO : EPOCH 3 - PROGRESS: at 50.59% examples, 762
824 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:45,860 : INFO : EPOCH 3 - PROGRESS: at 51.05% examples, 762
959 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:46,863 : INFO : EPOCH 3 - PROGRESS: at 51.44% examples, 763
140 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:51:47,875 : INFO : EPOCH 3 - PROGRESS: at 51.81% examples, 763
226 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:48,883 : INFO : EPOCH 3 - PROGRESS: at 52.22% examples, 763
361 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:49,884 : INFO : EPOCH 3 - PROGRESS: at 52.67% examples, 763
570 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:50,884 : INFO : EPOCH 3 - PROGRESS: at 53.10% examples, 763
655 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:51,887 : INFO : EPOCH 3 - PROGRESS: at 53.46% examples, 763
688 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:52,903 : INFO : EPOCH 3 - PROGRESS: at 53.89% examples, 763
784 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:53,911 : INFO : EPOCH 3 - PROGRESS: at 54.31% examples, 763
893 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:54,922 : INFO : EPOCH 3 - PROGRESS: at 54.72% examples, 764
018 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:55,934 : INFO : EPOCH 3 - PROGRESS: at 55.15% examples, 764
230 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:56,946 : INFO : EPOCH 3 - PROGRESS: at 55.60% examples, 764
280 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:51:57,956 : INFO : EPOCH 3 - PROGRESS: at 56.03% examples, 764
349 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:51:58,971 : INFO : EPOCH 3 - PROGRESS: at 56.46% examples, 764
561 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:51:59,987 : INFO : EPOCH 3 - PROGRESS: at 56.90% examples, 764
681 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:00,992 : INFO : EPOCH 3 - PROGRESS: at 57.34% examples, 764
820 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:52:02,001 : INFO : EPOCH 3 - PROGRESS: at 57.70% examples, 764
853 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:03,018 : INFO : EPOCH 3 - PROGRESS: at 58.10% examples, 765
020 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:04,024 : INFO : EPOCH 3 - PROGRESS: at 58.47% examples, 765
139 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:05,025 : INFO : EPOCH 3 - PROGRESS: at 58.86% examples, 765
268 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:06,038 : INFO : EPOCH 3 - PROGRESS: at 59.24% examples, 765
408 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:52:07,047 : INFO : EPOCH 3 - PROGRESS: at 59.64% examples, 765
700 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:08,054 : INFO : EPOCH 3 - PROGRESS: at 60.05% examples, 765
786 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:09,058 : INFO : EPOCH 3 - PROGRESS: at 60.44% examples, 765
940 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:10,061 : INFO : EPOCH 3 - PROGRESS: at 60.84% examples, 766
038 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:11,070 : INFO : EPOCH 3 - PROGRESS: at 61.27% examples, 766
097 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:12,079 : INFO : EPOCH 3 - PROGRESS: at 61.67% examples, 766
363 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:13,084 : INFO : EPOCH 3 - PROGRESS: at 62.05% examples, 766
495 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:14,087 : INFO : EPOCH 3 - PROGRESS: at 62.44% examples, 766
613 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:15,092 : INFO : EPOCH 3 - PROGRESS: at 62.85% examples, 766
714 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:16,113 : INFO : EPOCH 3 - PROGRESS: at 63.27% examples, 766
791 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:17,113 : INFO : EPOCH 3 - PROGRESS: at 63.65% examples, 766
879 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:18,116 : INFO : EPOCH 3 - PROGRESS: at 64.01% examples, 767
138 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:19,131 : INFO : EPOCH 3 - PROGRESS: at 64.44% examples, 767
255 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:52:20,143 : INFO : EPOCH 3 - PROGRESS: at 64.83% examples, 767
266 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:52:21,158 : INFO : EPOCH 3 - PROGRESS: at 65.27% examples, 767
263 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:22,160 : INFO : EPOCH 3 - PROGRESS: at 65.73% examples, 767
447 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:23,168 : INFO : EPOCH 3 - PROGRESS: at 66.13% examples, 767
562 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:24,171 : INFO : EPOCH 3 - PROGRESS: at 66.58% examples, 767
715 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:52:25,185 : INFO : EPOCH 3 - PROGRESS: at 67.00% examples, 767
818 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:26,188 : INFO : EPOCH 3 - PROGRESS: at 67.48% examples, 768
023 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:27,199 : INFO : EPOCH 3 - PROGRESS: at 67.97% examples, 768
120 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:28,217 : INFO : EPOCH 3 - PROGRESS: at 68.48% examples, 768
188 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:29,219 : INFO : EPOCH 3 - PROGRESS: at 68.91% examples, 768
302 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:30,220 : INFO : EPOCH 3 - PROGRESS: at 69.34% examples, 768
275 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:31,227 : INFO : EPOCH 3 - PROGRESS: at 69.80% examples, 768
333 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:32,229 : INFO : EPOCH 3 - PROGRESS: at 70.24% examples, 768
433 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:33,237 : INFO : EPOCH 3 - PROGRESS: at 70.67% examples, 768
547 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:34,249 : INFO : EPOCH 3 - PROGRESS: at 71.14% examples, 768
643 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:35,259 : INFO : EPOCH 3 - PROGRESS: at 71.58% examples, 768
791 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:36,263 : INFO : EPOCH 3 - PROGRESS: at 72.08% examples, 768
954 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:37,269 : INFO : EPOCH 3 - PROGRESS: at 72.55% examples, 769
084 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:38,289 : INFO : EPOCH 3 - PROGRESS: at 73.01% examples, 769
164 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:39,289 : INFO : EPOCH 3 - PROGRESS: at 73.46% examples, 769
252 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:40,296 : INFO : EPOCH 3 - PROGRESS: at 73.86% examples, 769
353 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:41,297 : INFO : EPOCH 3 - PROGRESS: at 74.23% examples, 769
424 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:42,304 : INFO : EPOCH 3 - PROGRESS: at 74.59% examples, 769
525 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:43,307 : INFO : EPOCH 3 - PROGRESS: at 74.97% examples, 769
689 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:44,311 : INFO : EPOCH 3 - PROGRESS: at 75.41% examples, 769
798 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:45,315 : INFO : EPOCH 3 - PROGRESS: at 75.88% examples, 769
831 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:46,324 : INFO : EPOCH 3 - PROGRESS: at 76.30% examples, 769
917 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:47,337 : INFO : EPOCH 3 - PROGRESS: at 76.64% examples, 769
951 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:48,351 : INFO : EPOCH 3 - PROGRESS: at 77.05% examples, 770
025 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:49,356 : INFO : EPOCH 3 - PROGRESS: at 77.50% examples, 770
123 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:50,362 : INFO : EPOCH 3 - PROGRESS: at 77.96% examples, 770
188 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:51,373 : INFO : EPOCH 3 - PROGRESS: at 78.37% examples, 770
113 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:52:52,387 : INFO : EPOCH 3 - PROGRESS: at 78.76% examples, 770
180 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:53,390 : INFO : EPOCH 3 - PROGRESS: at 79.19% examples, 770
239 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:54,391 : INFO : EPOCH 3 - PROGRESS: at 79.62% examples, 770
258 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:55,407 : INFO : EPOCH 3 - PROGRESS: at 80.08% examples, 770
327 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:56,411 : INFO : EPOCH 3 - PROGRESS: at 80.53% examples, 770
475 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:57,415 : INFO : EPOCH 3 - PROGRESS: at 80.95% examples, 770
525 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:52:58,417 : INFO : EPOCH 3 - PROGRESS: at 81.37% examples, 770
598 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:52:59,425 : INFO : EPOCH 3 - PROGRESS: at 81.77% examples, 770
592 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:00,429 : INFO : EPOCH 3 - PROGRESS: at 82.14% examples, 770
679 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:01,443 : INFO : EPOCH 3 - PROGRESS: at 82.54% examples, 770
658 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:02,452 : INFO : EPOCH 3 - PROGRESS: at 82.95% examples, 770
674 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:03,462 : INFO : EPOCH 3 - PROGRESS: at 83.37% examples, 770
774 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:04,468 : INFO : EPOCH 3 - PROGRESS: at 83.75% examples, 770
814 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:05,471 : INFO : EPOCH 3 - PROGRESS: at 84.15% examples, 770
909 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:53:06,491 : INFO : EPOCH 3 - PROGRESS: at 84.62% examples, 771
046 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:07,502 : INFO : EPOCH 3 - PROGRESS: at 85.04% examples, 771
087 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:08,513 : INFO : EPOCH 3 - PROGRESS: at 85.47% examples, 771
222 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:09,522 : INFO : EPOCH 3 - PROGRESS: at 85.93% examples, 771
304 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:10,538 : INFO : EPOCH 3 - PROGRESS: at 86.38% examples, 771
373 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:53:11,539 : INFO : EPOCH 3 - PROGRESS: at 86.84% examples, 771
377 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:12,541 : INFO : EPOCH 3 - PROGRESS: at 87.29% examples, 771
411 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:13,548 : INFO : EPOCH 3 - PROGRESS: at 87.72% examples, 771
469 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:14,550 : INFO : EPOCH 3 - PROGRESS: at 88.17% examples, 771
565 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:15,555 : INFO : EPOCH 3 - PROGRESS: at 88.65% examples, 771
656 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:16,565 : INFO : EPOCH 3 - PROGRESS: at 89.10% examples, 771
714 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:17,574 : INFO : EPOCH 3 - PROGRESS: at 89.56% examples, 771
747 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:18,575 : INFO : EPOCH 3 - PROGRESS: at 89.95% examples, 771
358 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:19,580 : INFO : EPOCH 3 - PROGRESS: at 90.37% examples, 771
311 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:20,597 : INFO : EPOCH 3 - PROGRESS: at 90.79% examples, 771
076 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:21,608 : INFO : EPOCH 3 - PROGRESS: at 91.17% examples, 770
707 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:22,611 : INFO : EPOCH 3 - PROGRESS: at 91.63% examples, 770
689 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:23,614 : INFO : EPOCH 3 - PROGRESS: at 92.10% examples, 770
575 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:53:24,622 : INFO : EPOCH 3 - PROGRESS: at 92.59% examples, 770
585 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:25,624 : INFO : EPOCH 3 - PROGRESS: at 93.10% examples, 770
626 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:26,641 : INFO : EPOCH 3 - PROGRESS: at 93.56% examples, 770
632 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:27,647 : INFO : EPOCH 3 - PROGRESS: at 93.98% examples, 770
682 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:28,654 : INFO : EPOCH 3 - PROGRESS: at 94.41% examples, 770
762 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:29,657 : INFO : EPOCH 3 - PROGRESS: at 94.88% examples, 770
770 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:30,676 : INFO : EPOCH 3 - PROGRESS: at 95.33% examples, 770
762 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:31,677 : INFO : EPOCH 3 - PROGRESS: at 95.81% examples, 770
771 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:32,680 : INFO : EPOCH 3 - PROGRESS: at 96.30% examples, 770
819 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:33,689 : INFO : EPOCH 3 - PROGRESS: at 96.77% examples, 770
872 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:34,694 : INFO : EPOCH 3 - PROGRESS: at 97.25% examples, 770
919 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:35,699 : INFO : EPOCH 3 - PROGRESS: at 97.77% examples, 771
027 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:36,700 : INFO : EPOCH 3 - PROGRESS: at 98.25% examples, 771
147 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:37,701 : INFO : EPOCH 3 - PROGRESS: at 98.70% examples, 771
189 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:38,719 : INFO : EPOCH 3 - PROGRESS: at 99.21% examples, 771
239 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:39,721 : INFO : EPOCH 3 - PROGRESS: at 99.71% examples, 771
348 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:40,272 : INFO : EPOCH 3: training on 213408986 raw words (2
07154799 effective words) took 268.5s, 771392 effective words/s
2023-05-10 14:53:41,275 : INFO : EPOCH 4 - PROGRESS: at 0.09% examples, 7534
45 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:42,277 : INFO : EPOCH 4 - PROGRESS: at 0.22% examples, 7596
37 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:43,284 : INFO : EPOCH 4 - PROGRESS: at 0.35% examples, 7437
45 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:44,284 : INFO : EPOCH 4 - PROGRESS: at 0.49% examples, 7340
20 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:53:45,294 : INFO : EPOCH 4 - PROGRESS: at 0.65% examples, 7392
92 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:46,295 : INFO : EPOCH 4 - PROGRESS: at 0.91% examples, 7427
17 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:47,296 : INFO : EPOCH 4 - PROGRESS: at 1.08% examples, 7478
09 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:48,299 : INFO : EPOCH 4 - PROGRESS: at 1.26% examples, 7482
37 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:49,303 : INFO : EPOCH 4 - PROGRESS: at 1.47% examples, 7523
52 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:50,308 : INFO : EPOCH 4 - PROGRESS: at 1.67% examples, 7546
65 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:51,317 : INFO : EPOCH 4 - PROGRESS: at 1.87% examples, 7549
39 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:52,323 : INFO : EPOCH 4 - PROGRESS: at 2.07% examples, 7565
07 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:53,338 : INFO : EPOCH 4 - PROGRESS: at 2.27% examples, 7576
11 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:54,352 : INFO : EPOCH 4 - PROGRESS: at 2.45% examples, 7575
72 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:55,353 : INFO : EPOCH 4 - PROGRESS: at 2.68% examples, 7584
82 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:53:56,362 : INFO : EPOCH 4 - PROGRESS: at 2.92% examples, 7592
54 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:57,384 : INFO : EPOCH 4 - PROGRESS: at 3.16% examples, 7599
66 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:58,398 : INFO : EPOCH 4 - PROGRESS: at 3.40% examples, 7613
31 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:53:59,404 : INFO : EPOCH 4 - PROGRESS: at 3.62% examples, 7611
03 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:00,405 : INFO : EPOCH 4 - PROGRESS: at 3.86% examples, 7619
56 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:01,426 : INFO : EPOCH 4 - PROGRESS: at 4.10% examples, 7619
77 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:02,460 : INFO : EPOCH 4 - PROGRESS: at 4.36% examples, 7618
99 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:03,464 : INFO : EPOCH 4 - PROGRESS: at 4.59% examples, 7619
29 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:04,468 : INFO : EPOCH 4 - PROGRESS: at 4.83% examples, 7616
62 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:05,470 : INFO : EPOCH 4 - PROGRESS: at 5.08% examples, 7625
21 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:06,475 : INFO : EPOCH 4 - PROGRESS: at 5.31% examples, 7617
91 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:07,488 : INFO : EPOCH 4 - PROGRESS: at 5.57% examples, 7594
59 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:08,493 : INFO : EPOCH 4 - PROGRESS: at 5.80% examples, 7586
17 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:09,503 : INFO : EPOCH 4 - PROGRESS: at 6.06% examples, 7576
31 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:10,516 : INFO : EPOCH 4 - PROGRESS: at 6.33% examples, 7563
80 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:11,517 : INFO : EPOCH 4 - PROGRESS: at 6.59% examples, 7535
43 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:12,519 : INFO : EPOCH 4 - PROGRESS: at 6.81% examples, 7512
45 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:13,531 : INFO : EPOCH 4 - PROGRESS: at 7.04% examples, 7502
86 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:54:14,545 : INFO : EPOCH 4 - PROGRESS: at 7.30% examples, 7495
25 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:15,556 : INFO : EPOCH 4 - PROGRESS: at 7.57% examples, 7494
41 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:16,563 : INFO : EPOCH 4 - PROGRESS: at 7.84% examples, 7500
03 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:17,575 : INFO : EPOCH 4 - PROGRESS: at 8.12% examples, 7495
79 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:18,581 : INFO : EPOCH 4 - PROGRESS: at 8.40% examples, 7491
61 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:19,594 : INFO : EPOCH 4 - PROGRESS: at 8.71% examples, 7496
99 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:20,601 : INFO : EPOCH 4 - PROGRESS: at 8.98% examples, 7502
05 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:21,605 : INFO : EPOCH 4 - PROGRESS: at 9.28% examples, 7505
55 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:22,605 : INFO : EPOCH 4 - PROGRESS: at 9.57% examples, 7513
41 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:23,613 : INFO : EPOCH 4 - PROGRESS: at 9.87% examples, 7517
68 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:24,628 : INFO : EPOCH 4 - PROGRESS: at 10.18% examples, 752
273 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:25,634 : INFO : EPOCH 4 - PROGRESS: at 10.48% examples, 753
044 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:26,646 : INFO : EPOCH 4 - PROGRESS: at 10.77% examples, 753
396 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:27,656 : INFO : EPOCH 4 - PROGRESS: at 11.08% examples, 753
775 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:54:28,658 : INFO : EPOCH 4 - PROGRESS: at 11.40% examples, 754
137 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:29,670 : INFO : EPOCH 4 - PROGRESS: at 11.72% examples, 754
165 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:30,693 : INFO : EPOCH 4 - PROGRESS: at 12.01% examples, 754
165 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:31,698 : INFO : EPOCH 4 - PROGRESS: at 12.34% examples, 754
492 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:32,706 : INFO : EPOCH 4 - PROGRESS: at 12.64% examples, 754
821 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:33,716 : INFO : EPOCH 4 - PROGRESS: at 12.99% examples, 755
527 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:34,719 : INFO : EPOCH 4 - PROGRESS: at 13.33% examples, 756
164 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:35,723 : INFO : EPOCH 4 - PROGRESS: at 13.62% examples, 756
358 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:36,733 : INFO : EPOCH 4 - PROGRESS: at 13.93% examples, 756
794 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:37,740 : INFO : EPOCH 4 - PROGRESS: at 14.25% examples, 756
958 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:38,743 : INFO : EPOCH 4 - PROGRESS: at 14.62% examples, 757
417 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:39,745 : INFO : EPOCH 4 - PROGRESS: at 14.93% examples, 757
366 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:40,749 : INFO : EPOCH 4 - PROGRESS: at 15.29% examples, 757
932 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:41,753 : INFO : EPOCH 4 - PROGRESS: at 15.60% examples, 758
400 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:42,764 : INFO : EPOCH 4 - PROGRESS: at 15.96% examples, 758
319 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:43,768 : INFO : EPOCH 4 - PROGRESS: at 16.27% examples, 758
431 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:44,769 : INFO : EPOCH 4 - PROGRESS: at 16.64% examples, 758
556 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:45,772 : INFO : EPOCH 4 - PROGRESS: at 16.99% examples, 758
658 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:46,777 : INFO : EPOCH 4 - PROGRESS: at 17.32% examples, 758
482 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:47,787 : INFO : EPOCH 4 - PROGRESS: at 17.67% examples, 758
494 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:48,790 : INFO : EPOCH 4 - PROGRESS: at 18.03% examples, 758
901 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:54:49,790 : INFO : EPOCH 4 - PROGRESS: at 18.39% examples, 759
181 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:50,803 : INFO : EPOCH 4 - PROGRESS: at 18.76% examples, 759
628 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:51,810 : INFO : EPOCH 4 - PROGRESS: at 19.09% examples, 759
959 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:52,813 : INFO : EPOCH 4 - PROGRESS: at 19.47% examples, 760
286 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:54:53,825 : INFO : EPOCH 4 - PROGRESS: at 19.85% examples, 760
605 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:54,840 : INFO : EPOCH 4 - PROGRESS: at 20.24% examples, 760
875 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:55,857 : INFO : EPOCH 4 - PROGRESS: at 20.62% examples, 760
983 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:54:56,865 : INFO : EPOCH 4 - PROGRESS: at 20.99% examples, 761
449 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:57,876 : INFO : EPOCH 4 - PROGRESS: at 21.33% examples, 761
462 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:58,876 : INFO : EPOCH 4 - PROGRESS: at 21.69% examples, 761
681 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:54:59,891 : INFO : EPOCH 4 - PROGRESS: at 22.07% examples, 761
975 words/s, in_qsize 6, out_qsize 0
```

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2023-05-10 14:55:00,897 : INFO : EPOCH 4 - PROGRESS: at 22.44% examples, 762
146 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:01,899 : INFO : EPOCH 4 - PROGRESS: at 22.80% examples, 762
357 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:02,908 : INFO : EPOCH 4 - PROGRESS: at 23.13% examples, 762
850 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:03,924 : INFO : EPOCH 4 - PROGRESS: at 23.49% examples, 763
017 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:04,929 : INFO : EPOCH 4 - PROGRESS: at 23.86% examples, 763
292 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:05,940 : INFO : EPOCH 4 - PROGRESS: at 24.22% examples, 763
552 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:06,945 : INFO : EPOCH 4 - PROGRESS: at 24.60% examples, 763
802 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:07,946 : INFO : EPOCH 4 - PROGRESS: at 24.99% examples, 764
079 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:08,950 : INFO : EPOCH 4 - PROGRESS: at 25.36% examples, 764
229 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:09,955 : INFO : EPOCH 4 - PROGRESS: at 25.72% examples, 764
346 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:10,969 : INFO : EPOCH 4 - PROGRESS: at 26.11% examples, 764
499 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:11,976 : INFO : EPOCH 4 - PROGRESS: at 26.53% examples, 764
700 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:12,980 : INFO : EPOCH 4 - PROGRESS: at 26.94% examples, 764
813 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:13,989 : INFO : EPOCH 4 - PROGRESS: at 27.33% examples, 764
947 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:14,992 : INFO : EPOCH 4 - PROGRESS: at 27.80% examples, 765
155 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:16,022 : INFO : EPOCH 4 - PROGRESS: at 28.18% examples, 764
868 words/s, in_qsize 5, out_qsize 2
2023-05-10 14:55:17,025 : INFO : EPOCH 4 - PROGRESS: at 28.65% examples, 765
293 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:18,048 : INFO : EPOCH 4 - PROGRESS: at 29.05% examples, 765
383 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:19,068 : INFO : EPOCH 4 - PROGRESS: at 29.42% examples, 765
564 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:20,071 : INFO : EPOCH 4 - PROGRESS: at 29.74% examples, 765
658 words/s, in_qsize 4, out_qsize 2
2023-05-10 14:55:21,078 : INFO : EPOCH 4 - PROGRESS: at 30.08% examples, 765
731 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:22,091 : INFO : EPOCH 4 - PROGRESS: at 30.45% examples, 765
951 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:23,101 : INFO : EPOCH 4 - PROGRESS: at 30.84% examples, 766
003 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:24,113 : INFO : EPOCH 4 - PROGRESS: at 31.24% examples, 766
270 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:25,118 : INFO : EPOCH 4 - PROGRESS: at 31.58% examples, 766
416 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:26,129 : INFO : EPOCH 4 - PROGRESS: at 31.97% examples, 766
585 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:27,140 : INFO : EPOCH 4 - PROGRESS: at 32.37% examples, 766
578 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:28,154 : INFO : EPOCH 4 - PROGRESS: at 32.79% examples, 766
696 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:29,172 : INFO : EPOCH 4 - PROGRESS: at 33.20% examples, 766
639 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:30,179 : INFO : EPOCH 4 - PROGRESS: at 33.57% examples, 766
681 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:31,196 : INFO : EPOCH 4 - PROGRESS: at 33.97% examples, 766
763 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:32,206 : INFO : EPOCH 4 - PROGRESS: at 34.34% examples, 766
840 words/s, in_qsize 5, out_qsize 0
```

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hw4_word2vec

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2023-05-10 14:55:33,226 : INFO : EPOCH 4 - PROGRESS: at 34.71% examples, 766
883 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:34,230 : INFO : EPOCH 4 - PROGRESS: at 35.08% examples, 766
995 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:35,233 : INFO : EPOCH 4 - PROGRESS: at 35.46% examples, 767
186 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:36,237 : INFO : EPOCH 4 - PROGRESS: at 35.87% examples, 767
266 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:37,244 : INFO : EPOCH 4 - PROGRESS: at 36.31% examples, 767
469 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:38,257 : INFO : EPOCH 4 - PROGRESS: at 36.70% examples, 767
460 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:39,265 : INFO : EPOCH 4 - PROGRESS: at 37.07% examples, 767
426 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:40,274 : INFO : EPOCH 4 - PROGRESS: at 37.46% examples, 767
520 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:41,278 : INFO : EPOCH 4 - PROGRESS: at 37.84% examples, 767
468 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:42,281 : INFO : EPOCH 4 - PROGRESS: at 38.24% examples, 767
323 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:43,295 : INFO : EPOCH 4 - PROGRESS: at 38.60% examples, 767
378 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:44,301 : INFO : EPOCH 4 - PROGRESS: at 38.91% examples, 766
847 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:45,314 : INFO : EPOCH 4 - PROGRESS: at 39.20% examples, 767
660 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:46,316 : INFO : EPOCH 4 - PROGRESS: at 39.57% examples, 767
487 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:47,334 : INFO : EPOCH 4 - PROGRESS: at 39.97% examples, 767
212 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:48,333 : INFO : EPOCH 4 - PROGRESS: at 40.39% examples, 767
042 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:49,340 : INFO : EPOCH 4 - PROGRESS: at 40.78% examples, 766
889 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:50,344 : INFO : EPOCH 4 - PROGRESS: at 41.17% examples, 766
726 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:51,355 : INFO : EPOCH 4 - PROGRESS: at 41.53% examples, 766
584 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:52,360 : INFO : EPOCH 4 - PROGRESS: at 41.94% examples, 766
662 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:53,363 : INFO : EPOCH 4 - PROGRESS: at 42.32% examples, 766
547 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:54,365 : INFO : EPOCH 4 - PROGRESS: at 42.72% examples, 766
658 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:55,381 : INFO : EPOCH 4 - PROGRESS: at 43.17% examples, 766
659 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:56,391 : INFO : EPOCH 4 - PROGRESS: at 43.65% examples, 766
709 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:55:57,400 : INFO : EPOCH 4 - PROGRESS: at 44.15% examples, 766
792 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:55:58,403 : INFO : EPOCH 4 - PROGRESS: at 44.61% examples, 766
987 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:55:59,408 : INFO : EPOCH 4 - PROGRESS: at 45.06% examples, 766
794 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:00,408 : INFO : EPOCH 4 - PROGRESS: at 45.45% examples, 765
720 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:01,412 : INFO : EPOCH 4 - PROGRESS: at 45.79% examples, 764
617 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:56:02,415 : INFO : EPOCH 4 - PROGRESS: at 46.19% examples, 764
259 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:03,417 : INFO : EPOCH 4 - PROGRESS: at 46.57% examples, 763
545 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:04,420 : INFO : EPOCH 4 - PROGRESS: at 46.91% examples, 763
449 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:56:05,442 : INFO : EPOCH 4 - PROGRESS: at 47.36% examples, 763
402 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:06,450 : INFO : EPOCH 4 - PROGRESS: at 47.77% examples, 763
373 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:07,456 : INFO : EPOCH 4 - PROGRESS: at 48.24% examples, 763
349 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:08,459 : INFO : EPOCH 4 - PROGRESS: at 48.61% examples, 763
184 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:09,462 : INFO : EPOCH 4 - PROGRESS: at 49.02% examples, 762
775 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:10,467 : INFO : EPOCH 4 - PROGRESS: at 49.52% examples, 762
947 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:11,469 : INFO : EPOCH 4 - PROGRESS: at 49.90% examples, 762
483 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:12,479 : INFO : EPOCH 4 - PROGRESS: at 50.26% examples, 762
911 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:13,480 : INFO : EPOCH 4 - PROGRESS: at 50.67% examples, 763
172 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:14,488 : INFO : EPOCH 4 - PROGRESS: at 51.08% examples, 762
818 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:15,506 : INFO : EPOCH 4 - PROGRESS: at 51.45% examples, 762
763 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:16,513 : INFO : EPOCH 4 - PROGRESS: at 51.77% examples, 762
162 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:17,514 : INFO : EPOCH 4 - PROGRESS: at 52.14% examples, 762
009 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:18,527 : INFO : EPOCH 4 - PROGRESS: at 52.56% examples, 761
653 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:19,535 : INFO : EPOCH 4 - PROGRESS: at 52.92% examples, 761
146 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:20,548 : INFO : EPOCH 4 - PROGRESS: at 53.30% examples, 761
037 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:21,554 : INFO : EPOCH 4 - PROGRESS: at 53.63% examples, 760
146 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:22,563 : INFO : EPOCH 4 - PROGRESS: at 54.03% examples, 760
060 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:23,581 : INFO : EPOCH 4 - PROGRESS: at 54.43% examples, 759
967 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:24,590 : INFO : EPOCH 4 - PROGRESS: at 54.83% examples, 759
916 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:56:25,591 : INFO : EPOCH 4 - PROGRESS: at 55.25% examples, 760
178 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:56:26,606 : INFO : EPOCH 4 - PROGRESS: at 55.70% examples, 760
233 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:27,623 : INFO : EPOCH 4 - PROGRESS: at 56.12% examples, 759
996 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:28,627 : INFO : EPOCH 4 - PROGRESS: at 56.49% examples, 759
844 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:29,646 : INFO : EPOCH 4 - PROGRESS: at 56.90% examples, 759
610 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:30,647 : INFO : EPOCH 4 - PROGRESS: at 57.31% examples, 759
443 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:31,675 : INFO : EPOCH 4 - PROGRESS: at 57.49% examples, 756
993 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:56:32,703 : INFO : EPOCH 4 - PROGRESS: at 57.71% examples, 755
395 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:33,705 : INFO : EPOCH 4 - PROGRESS: at 57.95% examples, 753
882 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:34,705 : INFO : EPOCH 4 - PROGRESS: at 58.24% examples, 753
034 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:35,714 : INFO : EPOCH 4 - PROGRESS: at 58.60% examples, 752
777 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:36,720 : INFO : EPOCH 4 - PROGRESS: at 58.93% examples, 752
507 words/s, in_qsize 5, out_qsize 0
```

```
2023-05-10 14:56:37,746 : INFO : EPOCH 4 - PROGRESS: at 59.29% examples, 752
348 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:38,749 : INFO : EPOCH 4 - PROGRESS: at 59.60% examples, 751
760 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:39,758 : INFO : EPOCH 4 - PROGRESS: at 59.94% examples, 751
174 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:40,759 : INFO : EPOCH 4 - PROGRESS: at 60.33% examples, 751
197 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:42,175 : INFO : EPOCH 4 - PROGRESS: at 60.63% examples, 748
777 words/s, in_qsize 4, out_qsize 2
2023-05-10 14:56:43,196 : INFO : EPOCH 4 - PROGRESS: at 60.78% examples, 746
092 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:44,197 : INFO : EPOCH 4 - PROGRESS: at 60.89% examples, 743
316 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:45,198 : INFO : EPOCH 4 - PROGRESS: at 61.22% examples, 742
446 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:46,203 : INFO : EPOCH 4 - PROGRESS: at 61.54% examples, 741
834 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:47,211 : INFO : EPOCH 4 - PROGRESS: at 61.87% examples, 741
569 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:48,218 : INFO : EPOCH 4 - PROGRESS: at 62.19% examples, 741
138 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:49,235 : INFO : EPOCH 4 - PROGRESS: at 62.49% examples, 740
413 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:50,252 : INFO : EPOCH 4 - PROGRESS: at 62.86% examples, 740
192 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:51,263 : INFO : EPOCH 4 - PROGRESS: at 63.24% examples, 739
947 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:52,269 : INFO : EPOCH 4 - PROGRESS: at 63.59% examples, 739
762 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:53,271 : INFO : EPOCH 4 - PROGRESS: at 63.90% examples, 739
635 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:54,272 : INFO : EPOCH 4 - PROGRESS: at 64.21% examples, 738
951 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:55,276 : INFO : EPOCH 4 - PROGRESS: at 64.59% examples, 738
757 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:56,276 : INFO : EPOCH 4 - PROGRESS: at 64.98% examples, 738
773 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:57,334 : INFO : EPOCH 4 - PROGRESS: at 65.38% examples, 738
538 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:56:58,343 : INFO : EPOCH 4 - PROGRESS: at 65.77% examples, 738
236 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:56:59,350 : INFO : EPOCH 4 - PROGRESS: at 66.10% examples, 737
792 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:00,393 : INFO : EPOCH 4 - PROGRESS: at 66.51% examples, 737
580 words/s, in_qsize 4, out_qsize 1
2023-05-10 14:57:01,403 : INFO : EPOCH 4 - PROGRESS: at 66.78% examples, 736
527 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:02,422 : INFO : EPOCH 4 - PROGRESS: at 67.10% examples, 735
718 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:03,426 : INFO : EPOCH 4 - PROGRESS: at 67.48% examples, 735
079 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:04,431 : INFO : EPOCH 4 - PROGRESS: at 67.79% examples, 734
042 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:05,439 : INFO : EPOCH 4 - PROGRESS: at 67.89% examples, 731
194 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:06,441 : INFO : EPOCH 4 - PROGRESS: at 68.07% examples, 728
849 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:07,454 : INFO : EPOCH 4 - PROGRESS: at 68.47% examples, 728
376 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:08,463 : INFO : EPOCH 4 - PROGRESS: at 68.83% examples, 728
123 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:09,468 : INFO : EPOCH 4 - PROGRESS: at 69.21% examples, 727
936 words/s, in_qsize 5, out_qsize 0
```

```
2023-05-10 14:57:10,470 : INFO : EPOCH 4 - PROGRESS: at 69.66% examples, 727
900 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:11,473 : INFO : EPOCH 4 - PROGRESS: at 69.99% examples, 727
491 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:12,483 : INFO : EPOCH 4 - PROGRESS: at 70.37% examples, 727
239 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:13,498 : INFO : EPOCH 4 - PROGRESS: at 70.79% examples, 727
112 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:14,517 : INFO : EPOCH 4 - PROGRESS: at 71.20% examples, 726
934 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:15,520 : INFO : EPOCH 4 - PROGRESS: at 71.58% examples, 726
909 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:16,532 : INFO : EPOCH 4 - PROGRESS: at 72.06% examples, 727
058 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:17,561 : INFO : EPOCH 4 - PROGRESS: at 72.47% examples, 726
868 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:57:18,567 : INFO : EPOCH 4 - PROGRESS: at 72.86% examples, 726
599 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:19,571 : INFO : EPOCH 4 - PROGRESS: at 73.28% examples, 726
611 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:20,583 : INFO : EPOCH 4 - PROGRESS: at 73.64% examples, 726
226 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:21,606 : INFO : EPOCH 4 - PROGRESS: at 73.98% examples, 726
109 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:22,625 : INFO : EPOCH 4 - PROGRESS: at 74.30% examples, 726
167 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:23,633 : INFO : EPOCH 4 - PROGRESS: at 74.65% examples, 725
887 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:24,639 : INFO : EPOCH 4 - PROGRESS: at 75.00% examples, 726
031 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:25,654 : INFO : EPOCH 4 - PROGRESS: at 75.41% examples, 726
053 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:26,657 : INFO : EPOCH 4 - PROGRESS: at 75.84% examples, 726
030 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:27,657 : INFO : EPOCH 4 - PROGRESS: at 76.23% examples, 725
979 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:28,669 : INFO : EPOCH 4 - PROGRESS: at 76.56% examples, 726
197 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:29,687 : INFO : EPOCH 4 - PROGRESS: at 76.97% examples, 726
423 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:30,688 : INFO : EPOCH 4 - PROGRESS: at 77.39% examples, 726
628 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:31,693 : INFO : EPOCH 4 - PROGRESS: at 77.85% examples, 726
758 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:32,706 : INFO : EPOCH 4 - PROGRESS: at 78.27% examples, 726
920 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:33,713 : INFO : EPOCH 4 - PROGRESS: at 78.68% examples, 727
111 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:34,726 : INFO : EPOCH 4 - PROGRESS: at 79.08% examples, 727
276 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:35,741 : INFO : EPOCH 4 - PROGRESS: at 79.50% examples, 727
399 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:36,750 : INFO : EPOCH 4 - PROGRESS: at 79.94% examples, 727
580 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:37,757 : INFO : EPOCH 4 - PROGRESS: at 80.37% examples, 727
734 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:38,766 : INFO : EPOCH 4 - PROGRESS: at 80.80% examples, 727
967 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:39,777 : INFO : EPOCH 4 - PROGRESS: at 81.22% examples, 728
182 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:40,790 : INFO : EPOCH 4 - PROGRESS: at 81.63% examples, 728
358 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:41,796 : INFO : EPOCH 4 - PROGRESS: at 82.01% examples, 728
586 words/s, in_qsize 5, out_qsize 0
```

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2023-05-10 14:57:42,798 : INFO : EPOCH 4 - PROGRESS: at 82.39% examples, 728
720 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:43,804 : INFO : EPOCH 4 - PROGRESS: at 82.77% examples, 728
913 words/s, in_qsize 5, out_qsize 1
2023-05-10 14:57:44,808 : INFO : EPOCH 4 - PROGRESS: at 83.22% examples, 729
136 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:45,815 : INFO : EPOCH 4 - PROGRESS: at 83.60% examples, 729
316 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:46,820 : INFO : EPOCH 4 - PROGRESS: at 84.01% examples, 729
548 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:47,821 : INFO : EPOCH 4 - PROGRESS: at 84.43% examples, 729
774 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:48,835 : INFO : EPOCH 4 - PROGRESS: at 84.87% examples, 729
961 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:49,840 : INFO : EPOCH 4 - PROGRESS: at 85.25% examples, 730
130 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:50,856 : INFO : EPOCH 4 - PROGRESS: at 85.70% examples, 730
312 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:51,867 : INFO : EPOCH 4 - PROGRESS: at 86.14% examples, 730
376 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:52,873 : INFO : EPOCH 4 - PROGRESS: at 86.57% examples, 730
529 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:53,873 : INFO : EPOCH 4 - PROGRESS: at 87.01% examples, 730
680 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:54,887 : INFO : EPOCH 4 - PROGRESS: at 87.48% examples, 730
805 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:55,897 : INFO : EPOCH 4 - PROGRESS: at 87.89% examples, 730
983 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:56,898 : INFO : EPOCH 4 - PROGRESS: at 88.35% examples, 731
179 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:57,900 : INFO : EPOCH 4 - PROGRESS: at 88.81% examples, 731
356 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:57:58,906 : INFO : EPOCH 4 - PROGRESS: at 89.25% examples, 731
440 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:57:59,914 : INFO : EPOCH 4 - PROGRESS: at 89.69% examples, 731
568 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:00,915 : INFO : EPOCH 4 - PROGRESS: at 90.11% examples, 731
727 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:01,925 : INFO : EPOCH 4 - PROGRESS: at 90.57% examples, 731
920 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:02,941 : INFO : EPOCH 4 - PROGRESS: at 91.02% examples, 732
080 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:03,953 : INFO : EPOCH 4 - PROGRESS: at 91.47% examples, 732
199 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:04,957 : INFO : EPOCH 4 - PROGRESS: at 91.95% examples, 732
352 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:05,973 : INFO : EPOCH 4 - PROGRESS: at 92.42% examples, 732
521 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:06,982 : INFO : EPOCH 4 - PROGRESS: at 92.94% examples, 732
743 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:07,996 : INFO : EPOCH 4 - PROGRESS: at 93.44% examples, 732
894 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:09,011 : INFO : EPOCH 4 - PROGRESS: at 93.85% examples, 733
028 words/s, in_qsize 6, out_qsize 1
2023-05-10 14:58:10,016 : INFO : EPOCH 4 - PROGRESS: at 94.27% examples, 733
202 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:11,021 : INFO : EPOCH 4 - PROGRESS: at 94.72% examples, 733
269 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:12,021 : INFO : EPOCH 4 - PROGRESS: at 95.19% examples, 733
399 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:13,024 : INFO : EPOCH 4 - PROGRESS: at 95.60% examples, 733
469 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:14,043 : INFO : EPOCH 4 - PROGRESS: at 96.11% examples, 733
580 words/s, in_qsize 5, out_qsize 0
```

```
2023-05-10 14:58:15,046 : INFO : EPOCH 4 - PROGRESS: at 96.56% examples, 733
697 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:16,047 : INFO : EPOCH 4 - PROGRESS: at 97.04% examples, 733
809 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:17,055 : INFO : EPOCH 4 - PROGRESS: at 97.53% examples, 733
909 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:18,056 : INFO : EPOCH 4 - PROGRESS: at 97.98% examples, 734
040 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:19,058 : INFO : EPOCH 4 - PROGRESS: at 98.46% examples, 734
130 words/s, in_qsize 5, out_qsize 0
2023-05-10 14:58:20,076 : INFO : EPOCH 4 - PROGRESS: at 98.88% examples, 734
141 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:21,078 : INFO : EPOCH 4 - PROGRESS: at 99.37% examples, 734
204 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:22,078 : INFO : EPOCH 4 - PROGRESS: at 99.86% examples, 734
346 words/s, in_qsize 6, out_qsize 0
2023-05-10 14:58:22,334 : INFO : EPOCH 4: training on 213408986 raw words (2
07155223 effective words) took 282.1s, 734399 effective words/s
2023-05-10 14:58:22,350 : INFO : Word2Vec lifecycle event {'msg': 'training
on 1067044930 raw words (1035775865 effective words) took 1361.3s, 760886 ef
fective words/s', 'datetime': '2023-05-10T14:58:22.343061', 'gensim': '4.3.
1', 'python': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'pla
tform': 'macOS-10.16-x86_64-i386-64bit', 'event': 'train'}
2023-05-10 14:58:22,354 : INFO : Word2Vec lifecycle event {'params': 'Word2V
ec<vocab=1003966, vector_size=250, alpha=0.025>', 'datetime': '2023-05-10T1
4:58:22.354240', 'gensim': '4.3.1', 'python': '3.9.13 (main, Aug 25 2022, 1
8:29:29) \n[Clang 12.0.0 ]', 'platform': 'macOS-10.16-x86_64-i386-64bit', 'e
vent': 'created'}
2023-05-10 14:58:22,371 : INFO : Word2Vec lifecycle event {'fname_or_handl
e': 'word2vec.model', 'separately': 'None', 'sep_limit': 10485760, 'ignore':
frozenset(), 'datetime': '2023-05-10T14:58:22.371440', 'gensim': '4.3.1', 'p
ython': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'platfor
m': 'macOS-10.16-x86_64-i386-64bit', 'event': 'saving'}
2023-05-10 14:58:22,401 : INFO : storing np array 'vectors' to word2vec.mode
l.wv.vectors.npy
2023-05-10 14:58:24,164 : INFO : storing np array 'syn1neg' to word2vec.mode
l.syn1neg.npy
2023-05-10 14:58:25,965 : INFO : not storing attribute cum_table
2023-05-10 14:58:26,702 : INFO : saved word2vec.model
```

In [40]: `! ls word2vec*`

```
word2vec.model                 word2vec.model.wv.vectors.npy
word2vec.model.syn1neg.npy
```

In [20]:
```python
print(model.wv.vectors.shape)
model.wv.vectors
```

Out[20]:
```
(1003966, 250)
array([[-1.63678801e+00,  1.28177965e+00, -3.98507565e-01, ...,
        -1.42127526e+00,  6.82937682e-01, -4.20246750e-01],
       [-2.97019148e+00, -9.38789666e-01, -1.73306882e+00, ...,
        -1.05096638e+00, -5.96617818e-01,  2.04739308e+00],
       [-9.44583595e-01, -4.66692150e-01, -9.01146054e-01, ...,
        -2.93332911e+00, -1.90525711e-01,  1.46472037e-01],
       ...,
       [-3.39438394e-02, -9.94087160e-02, -1.20609745e-01, ...,
         4.12042290e-02,  2.69078594e-02,  2.37404890e-02],
       [ 1.21654339e-01,  1.57428980e-02,  5.76299205e-02, ...,
         1.35978572e-02,  9.91761312e-03,  5.99864982e-02],
       [ 4.36115339e-02,  4.37661186e-02,  5.42736053e-02, ...,
         1.40509824e-03,  1.43255796e-02,  2.78084576e-02]], dtype=float32)
```

In [24]: `# print(f"總共收錄了 {len(model.wv.vocab)} 個詞彙")`

```python
print("印出 20 個收錄詞彙:")
print(list(model.wv.key_to_index.keys())[:20])
```

```
印出 20 個收錄詞彙:
['年', '中', '日', '小行星', '月', '中國', '日本', '一個', '時', '香港', '美國',
'陳', '臺灣', '站', 'zh', 'px', '研究', '新', '電影', '外部']
```

In [25]:
```python
vec = model.wv['數學家']
print(vec.shape)
vec
```

```
(250,)
```

```
Out[25]: array([-4.12086278e-01,  4.99083288e-02, -3.72508019e-01,  8.75706673e-01,
               -8.31748843e-01, -1.16827023e+00,  2.10350561e+00, -4.95293140e-01,
               -1.38021719e+00, -5.69052815e-01,  1.90268293e-01,  1.53564110e-01,
               -9.98773098e-01, -1.92481923e+00,  1.06128705e+00,  8.16954017e-01,
               -1.25862372e+00,  1.25781095e+00,  1.97392857e+00,  1.74641657e+00,
                2.40567970e+00,  8.78834426e-01, -1.14328839e-01,  1.30477870e+00,
                1.31969368e+00, -2.78753657e-02, -6.73492253e-02,  1.40664887e+00,
               -1.33565497e+00, -5.10471642e-01, -4.82397914e-01,  8.55136812e-01,
               -1.05795729e+00, -3.17323148e-01,  1.57992232e+00, -1.56151843e+00,
               -6.61998391e-01,  1.31999505e+00,  2.72087193e+00, -1.19542524e-01,
               -4.42690372e+00,  1.38626974e-02,  2.07557249e+00,  3.95296186e-01,
                2.47598505e+00,  1.62376201e+00,  7.98167169e-01,  4.58470821e-01,
               -1.60242856e-01,  2.54063725e-01,  5.14172554e-01,  8.90175581e-01,
                2.37658763e+00, -2.08217382e+00, -1.40189022e-01, -8.71007681e-01,
                1.46581101e+00,  2.01982760e+00,  4.48106349e-01, -1.75646389e+00,
               -4.09887934e+00,  2.12054181e+00, -1.00130320e+00, -1.84373724e+00,
               -1.25885808e+00,  1.68614554e+00,  3.89461607e-01,  1.50144053e+00,
               -4.27195400e-01,  1.83271933e+00, -1.36708903e+00,  9.10215199e-01,
                2.88205415e-01, -6.47558808e-01, -2.28146100e+00, -3.08128071e+00,
               -8.02008569e-01, -1.49345279e+00, -1.02646358e-01,  8.48051429e-01,
               -1.95728016e+00, -2.00939584e+00, -7.59372056e-01, -1.29946783e-01,
                1.67540824e+00, -1.98324299e+00, -1.59039831e+00, -9.53420326e-02,
                7.39279985e-01, -2.12274361e+00, -2.39299059e+00, -1.64794135e+00,
                5.87327600e-01, -9.32781875e-01,  1.65531051e+00,  8.80093038e-01,
                8.04962665e-02, -1.33244562e+00,  3.82178724e-01, -4.60869879e-01,
               -2.82440215e-01,  6.26917839e-01, -5.84297538e-01, -1.12865806e-01,
               -9.28222001e-01,  2.16026545e+00, -1.15365446e+00, -3.57490540e-01,
               -1.86209750e+00,  4.28384185e-01,  1.15092349e+00, -2.48227239e+00,
               -1.38134682e+00, -1.12934685e+00,  1.70159256e+00, -1.65974677e+00,
                2.31109667e+00,  3.11670691e-01, -2.65019208e-01,  1.07933939e+00,
                9.72092807e-01,  1.66696370e+00, -1.78752422e-01, -6.01230800e-01,
                1.06851304e+00,  1.22425115e+00,  1.77810892e-01, -1.96457136e+00,
               -9.98687983e-01,  1.46786317e-01, -2.27752423e+00,  9.30787921e-01,
               -2.25517130e+00, -7.55313784e-02,  2.16211510e+00, -1.26677024e+00,
               -1.41901374e-01,  7.60363698e-01,  2.10290551e+00,  1.40393770e+00,
                2.00412178e+00, -1.00322127e+00,  2.61088729e-01,  1.88988638e+00,
               -3.51252586e-01, -9.42277908e-01, -1.35020995e+00, -3.98565441e-01,
                7.85131574e-01, -5.26483774e-01, -2.77640466e-02, -6.07632101e-01,
               -9.02150869e-01,  4.51169908e-01,  7.97042429e-01, -1.40127230e+00,
                4.00411510e+00,  3.94624412e-01, -2.49492571e-01,  1.95312023e+00,
                1.20005810e+00,  1.53099597e+00, -1.37782484e-01, -4.70084161e-01,
                2.33900476e+00,  8.36954415e-01, -1.62183630e+00,  1.41424164e-01,
               -5.60577214e-01, -3.03886235e-01,  1.20903218e+00, -1.96960960e-02,
               -4.20193911e-01, -3.01056385e-01, -3.49146605e-01,  1.01238799e+00,
                5.78684449e-01,  4.84686375e-01,  1.69269061e+00,  5.56860507e-01,
                1.99799120e-01, -1.70991170e+00,  2.25616956e+00, -6.90422118e-01,
                2.25570536e+00,  1.86412966e+00,  2.42375314e-01,  1.16488175e-03,
               -1.90383768e+00, -1.09351051e+00,  4.86250639e-01,  1.26818335e+00,
                2.64094472e+00,  3.91521871e-01, -1.17711294e+00,  5.82101583e-01,
               -1.05622816e+00, -3.21070701e-01,  1.12637125e-01, -1.70190668e+00,
                1.47269022e+00, -1.55820417e+00, -4.80104864e-01, -1.96542248e-01,
                1.69188604e-01,  3.67861533e+00,  1.37777174e+00, -1.28650892e+00,
               -2.48431057e-01,  6.73759803e-02,  2.76975727e+00,  4.25140679e-01,
               -1.15738261e+00, -2.55754805e+00,  1.16295385e+00,  2.91949064e-01,
                1.35492325e+00, -3.06282854e+00, -2.40208909e-01, -9.77302313e-01,
                1.92909062e+00,  2.91038132e+00, -2.46806312e+00, -2.00659490e+00,
                7.81513929e-01, -1.29766095e+00,  3.94469714e+00, -1.33982670e+00,
               -1.08477056e+00, -6.53110519e-02,  2.23404479e+00, -1.81205475e+00,
               -2.06426477e+00,  3.40929925e-01, -9.70569313e-01, -1.75843191e+00,
               -4.19757986e+00,  9.20902908e-01,  6.98551595e-01, -1.18316555e+00,
                3.98086548e-01,  1.32451463e+00, -2.19984198e+00,  7.37347186e-01,
               -1.48839915e+00, -2.45630360e+00,  7.01897740e-02, -1.60830784e+00,
                1.25940716e+00,  2.54783034e+00], dtype=float32)
```

In [26]:
```python
word = "這肯定沒見過 "

# 若強行取值會報錯
try:
    vec = model.wv[word]
except KeyError as e:
    print(e)
```

"Key '這肯定沒見過 ' not present"

In [27]:
```python
model.wv.most_similar("飲料", topn=10)
```

Out[27]:
```
[('飲品', 0.8193895220756531),
 ('果汁', 0.7639946341514587),
 ('含酒精', 0.7008175253868103),
 ('酒類', 0.697655200958252),
 ('罐裝', 0.686590313911438),
 ('口香糖', 0.6708953380584717),
 ('冰淇淋', 0.6650984287261963),
 ('可口可樂', 0.6629427671432495),
 ('酸奶', 0.6596047282218933),
 ('蘇打水', 0.6542328000068665)]
```

In [28]:
```python
model.wv.most_similar("car")
```

Out[28]:
```
[('tikita', 0.7003545165061951),
 ('truck', 0.6954656839370728),
 ('motor', 0.6678410768508911),
 ('seat', 0.6515442132949829),
 ('cab', 0.6467195153236389),
 ('wagon', 0.6306233406066895),
 ('automobile', 0.6303455829620361),
 ('videna', 0.6291805505752563),
 ('motorcycle', 0.6260409951210022),
 ('vehicle', 0.622925341129303)]
```

In [29]:
```python
model.wv.most_similar("facebook")
```

Out[29]:
```
[('專頁', 0.7808370590209961),
 ('臉書', 0.7553152441978455),
 ('instagram', 0.7440596222877502),
 ('粉絲團', 0.6917836666107178),
 ('粉專', 0.6887847185134888),
 ('blogger', 0.672474205493927),
 ('面書', 0.670678973197937),
 ('討論區', 0.6646865606307983),
 ('貼文', 0.6617392897605896),
 ('tumblr', 0.6465764045715332)]
```

In [30]:
```python
model.wv.most_similar("詐欺")
```

Out[30]:
```
[('欺詐', 0.7395585179328918),
 ('詐騙', 0.6012449264526367),
 ('慣犯', 0.5685928463935852),
 ('詐欺罪', 0.5661442279815674),
 ('前科', 0.5379853844642639),
 ('被害者', 0.5319794416427612),
 ('竊盜', 0.5294862985610962),
 ('信用調查', 0.5253278613090515),
 ('作假', 0.523360550403595),
 ('惡質', 0.5226569771766663)]
```

In [31]:
```python
model.wv.most_similar("合約")
```

```
Out[31]: [('合同', 0.7713289856910706),
          ('簽約', 0.6876683831214905),
          ('續約', 0.6701698899269104),
          ('租約', 0.6425994038581848),
          ('簽下', 0.6315926313400269),
          ('續簽', 0.6314466595649719),
          ('選擇權', 0.6119654774665833),
          ('買斷', 0.5992292165756226),
          ('解約', 0.5787010192871094),
          ('新東家', 0.5755165219306946)]
```

```
In [32]: model.wv.similarity("連結", "鍵接")
```

```
Out[32]: 0.7381378
```

```
In [33]: model.wv.similarity("連結", "陰天")
```

```
Out[33]: 0.007539022
```

```
In [38]: # print(f"Loading {output_model}...")
         # print (f"word2vec.zh.{word_dim_size}.model")
         new_model = word2vec.Word2Vec.load(f"word2vec.model")
```

```
2023-05-10 21:48:15,543 : INFO : loading Word2Vec object from word2vec.model
2023-05-10 21:48:16,044 : INFO : loading wv recursively from word2vec.model.
wv.* with mmap=None
2023-05-10 21:48:16,045 : INFO : loading vectors from word2vec.model.wv.vect
ors.npy with mmap=None
2023-05-10 21:48:16,720 : INFO : loading syn1neg from word2vec.model.syn1ne
g.npy with mmap=None
2023-05-10 21:48:17,556 : INFO : setting ignored attribute cum_table to None
2023-05-10 21:48:25,174 : INFO : Word2Vec lifecycle event {'fname': 'word2ve
c.model', 'datetime': '2023-05-10T21:48:25.174600', 'gensim': '4.3.1', 'pyth
on': '3.9.13 (main, Aug 25 2022, 18:29:29) \n[Clang 12.0.0 ]', 'platform':
'macOS-10.16-x86_64-i386-64bit', 'event': 'loaded'}
```

```
In [39]: model.wv.similarity("連結", "陰天") == new_model.wv.similarity("連結", "陰天")
```

```
Out[39]: True
```