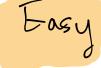
You are given an array of logs. Each log is a space-delimited string of words, where the first word is

the identifier.

- digit

There are two types of logs:

- Letter-logs: All words (except the identifier) consist of lowercase English letters.
- Digit-logs: All words (except the identifier) consist of digits.



## Reorder these logs so that:

- 1. The letter-logs come before all digit-logs.
- 1-st 2. The letter-logs are sorted lexicographically by their contents. If their contents are the same, then sort them lexicographically by their identifiers. 2-5t.
- 3. The digit-logs maintain their relative ordering.

Return the final order of the logs.

## Example 1:

Input: logs = ["dig1 8 1 5 1","let1 art can","dig2 3 6","let2 own kit dig","let3 art zero"] Output: ["let1 art can","let3 art zero","let2 own kit dig","dig1 8 1 5 1","dig2 3 6"] **Explanation:** The letter-log contents are all different, so their ordering is "art can", "art zero", "own kit dig". The digit-logs have a relative order of "dig1 8 1 5 1", "dig2 3 6".

Vse heap to maintain lex-order.

the

(content, log) onto heap

```
from heapq import heappush, heappop
     def order_log(logs):
         letter, digit , heap = [],[],[]
                                                       なりな ID (content
(tail)
             #log is : "2 y xyr fc"
             tail = log.split(' ',1)[1]
             # split once, we get ["2","y xyr fc"]
10
11
             if tail[0].isalpha():
                 heappush(heap,(tail,log))
13
14
             else:
15
                 digit.append(log)
17
             letter.append(heappop(heap)[1])
18
```

B. use sort() with key=lambda

```
def order_log2(logs):
24
         letlogs = []
         diglogs = []
25
26
         for log in logs:
27
             sl = log.split(" ")
             if sl[1].isnumeric():
28
                diglogs.append((sl[0], " ".join(sl[1:])))
29
30
                 letlogs.append((sl[0], " ".join(sl[1:])))
31
32
         # https://stackoverflow.com/a/46851604/1392291
33
         letlogs.sort(key= lambda x: (x[1],x[0]))
34
35
         res = []
                                      Content 10
36
         for l in letlogs:
         res.append(" ".join(l))
37
38
         for l in diglogs:
39
          res.append(" ".join(l))
40
41
         return res
```

La fig two the Sort with

I attribute, content 1st

then ID.