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I M05 - Minimize Waste Cells



Previously, it was important for every company to have a motto.

Now, it is important for every company to have a banner.

Since companies want to save their resources, they decided to convert their motto into a banner.

How this works is, you create a square matrix of size N x N, and fill in the elements of this matrix using the motto in row-major order.

The remaining spaces in the matrix are called waste cells and are to be represented as '?'.

You have to choose N in such a way that the number of waste cells is minimized.

Input

Input consists of one line Solved: 716 Attempted: 722

Output

Agents

Output must consist of the matrix formed from the input string

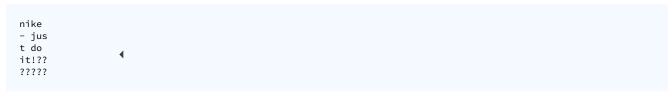
Notes

The length of the input string will not exceed 1000

Sample Input 0

```
nike - just do it!
```

Sample Output 0



Sample Input 1

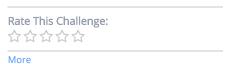
```
oneplus - never settle!
```

Sample Output 1





Contest ends in 1 day 6 hours 4 minutes 34 seconds



```
Current Buffer (saved locally, editable) 🦹 🕙
                                                                                  Python 3
      import math
   2
     sentence = input()
   3 req = math.ceil((len(sentence) ** 0.5))
   4 vfor i in range(0,req**2):
   5 ▼
          if i < len(sentence):</pre>
              print(sentence[i],end = '')
   6
   7
          else:
              print('?',end = '')
   8
  9
          if (i + 1) % req == 0:
  10 ▼
  11
              print()
  12
                                                                                                          Line: 12 Col: 1
<u>♣ Upload Code as File</u> Test against custom input
                                                                                             Run Code
```

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