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ginortS ☆

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You are given a string S.

S contains alphanumeric characters only.

Sorting

Your task is to sort the string S in the following manner:

- All sorted *lowercase letters* are ahead of *uppercase letters*.
- All sorted *uppercase letters* are ahead of digits.
- All sorted *odd digits* are ahead of sorted *even digits*.

Input Format

A single line of input contains the string S.

Constraints

- $0 < len(S) < 1000$

Output Format

Output the sorted string S.

Sample Input

```
Sorting1234
```

Sample Output

```
ginortS1324
```

Author	DOSHI
Difficulty	Medium
Max Score	40
Submitted By	9399

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```python
1  import string
2  print(*sorted(input(),key=
   (string.ascii_letters+"1357902468").index),sep='')
```

Line: 2 Col: 77

⬆ **Upload Code as File**   ☐ **Test against custom input**   **Run Code**   **Submit Code**

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Ⓕ 🐦 in

✓ Testcase 0   ✓ Testcase 1   ✓ Testcase 2   ✓ Testcase 3

6 Testcases ⌄

Input (stdin)   Download   Expected Output   Download

Sorting1234   **ginortS1324**

Compiler Message

Success