Problem H. Distinct Strings

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

You are given a string S of length 3 consisting of lowercase English letters.

How many different strings can be obtained by permuting the characters in S?

Constraints

- S is a string S of length 3 consisting of lowercase English letters.

Input

Input is given from Standard Input in the following format:

```
S
```

Output

Print the number of different strings that can be obtained by permuting the characters in S.

Sample 1

Input	Output
aba	3

By permuting the characters in $S =$ `aba`, three different strings can be obtained: `aab`, `aba`, `baa`.

Sample 2

Input	Output
ccc	1

By permuting the characters in $S =$ `ccc`, just one string can be obtained: `ccc`.

Sample 3

Input	Output
xyz	6

By permuting the characters in $S =$ `xyz`, six different strings can be obtained: `xyz`, `xzy`, `yxz`, `yzx`, `zxy`, `zyx`.