

## 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  $S = \text{aba}$ , three different strings can be obtained:  $\text{aab}$ ,  $\text{aba}$ ,  $\text{baa}$ .

### Sample 2

Input	Output
ccc	1

By permuting the characters in  $S = \text{ccc}$ , just one string can be obtained:  $\text{ccc}$ .

### Sample 3

Input	Output
xyz	6

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