

## Problem F. Creating Strings II

**Time limit** 1000 ms

**Mem limit** 524288 kB

Given a string, your task is to calculate the number of different strings that can be created using its characters.

### Input

The only input line has a string of length  $n$ . Each character is between a–z.

### Output

Print the number of different strings modulo  $10^9 + 7$ .

### Constraints

- $1 \leq n \leq 10^6$

### Example

Input	Output
aabac	20