

A. Number of Different Substrings

time limit per test: 2 seconds
memory limit per test: 512 megabytes

Count the number of different substrings of the given string s .

Input
Input contains single string s of length n ($1 \leq n \leq 400\,000$). The string consists of lowercase English letters.

Output
Print the number of different substrings in the given string.

Examples

input	Copy
ababba	
output	Copy
15	
input	Copy
mmuc	
output	Copy
9	
input	Copy
xmnnnuu	
output	Copy
24	
input	Copy
nnnn	
output	Copy
4	

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

