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## A. Suffix Array - 1

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

Now try to implement the algorithm that was discussed in the lecture.

Write a program that reads the string s and prints the suffix array p for it.

Input contains a single string s of length n ( $1 \le n \le 100\,000$ ). String consists of small english letters.

## Output

Print n+1 distinct integers, indices of first characters of suffixes of s, ordered in lexicographical order.

Examples	
input	Сору
ababba	
output	Сору
6 5 0 2 4 1 3	
input	Сору
aaaa	
output	Сору
4 3 2 1 0	
input	Сору
ppppplppp	
output	Сору
9 5 8 4 7 3 6 2 1 0	
input	Сору
nn	
output	Сору
2 1 0	

→ Submit? Language: GNU G++20 13.2 (64 bit, win **∨** Choose Choose File No file chosen file: Submit

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