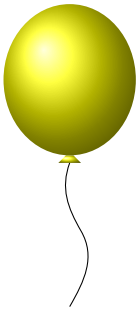
D This is how we noon it



Time limit: 1.0s
Memory limit: 256MB

You are given a string S consisting only of lowercase Latin letters.

You may perform a magical operation any number of times (possibly zero): Choose any substring of S and reverse it.

After applying the operation any number of times, your task is to determine the maximum possible number of occurrences of the string "*noon*" as a substring in the resulting string.

An occurrence is counted for every position where the substring "*noon*" appears (overlapping occurrences are allowed).

Input

One line containing the string S ($1 \leq |S| \leq 10^5$) where |S| is the size of the string S

Output

Output a single integer, the maximum number of occurrences of "*noon*" after doing any number of magical operations.

Samples

Sample input 1	Sample output 1
noon	1

Sample input 2	Sample output 2
nooooonn	2