

Pair Star

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Given a string S, compute recursively a new string where identical chars that are adjacent in the original string are separated from each other by a "*".

Input format :

String S

Output format :

Modified string

Constraints :

$0 \leq |S| \leq 1000$

where |S| represents length of string S.

Sample Input 1 :

hello

Sample Output 1:

hel*lo

Sample Input 2 :

aaaa

Sample Output 2 :

a*a*a*a