

Check AB

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Suppose you have a string, S, made up of only 'a's and 'b's. Write a recursive function that checks if the string was generated using the following rules:

- a. The string begins with an 'a'
- b. Each 'a' is followed by nothing or an 'a' or "bb"
- c. Each "bb" is followed by nothing or an 'a'

If all the rules are followed by the given string, return true otherwise return false.

Input format :

String S

Output format :

'true' or 'false'

Constraints :

$1 \leq |S| \leq 1000$

where |S| represents length of string S.

Sample Input 1 :

abb

Sample Output 1 :

true

Sample Input 2 :

abababa

Sample Output 2 :

false