

# CHECK AB

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Rule:

- ① String begin with 'a'
- ② Each 'a' is followed by 'a' or 'bb'
- ③ Each 'bb' is followed by A.

Base Case:

$s.length == 1 // 0$

if  $charAt(0) == b$   
return false

else  
return true.

if ( $s.charAt(0) == a$ )

if ( $s.charAt(1) == b$  & &  $charAt(2) == b$ )  
.smallstr = substring(3);

else  
if ( $s.charAt(1) == a$ )  
smallstr = substring(2);

$s.length \geq 3$  & &  $s.substring(0, 3)$   
<sup>eq. to 'abb'</sup>

return checkAB( $s.substring(3)$ );

else  
{  
return checkAB( $s.substring(1)$ );