

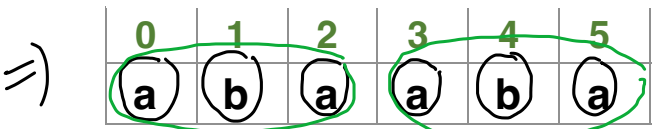
Count Palindromic Substrings

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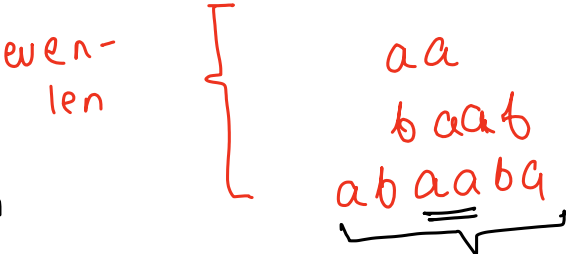
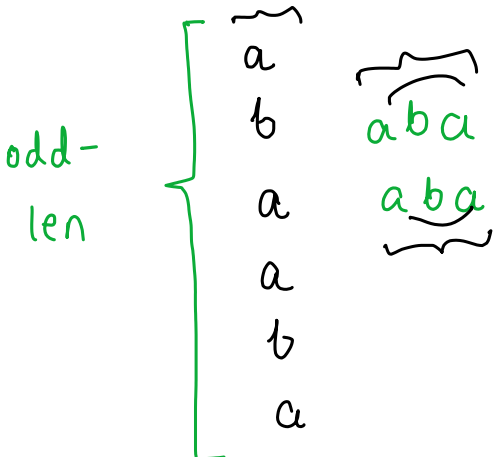
Given a string **s**, design an algorithm to count the no. of **palindromic substrings** in it.

Example

Input



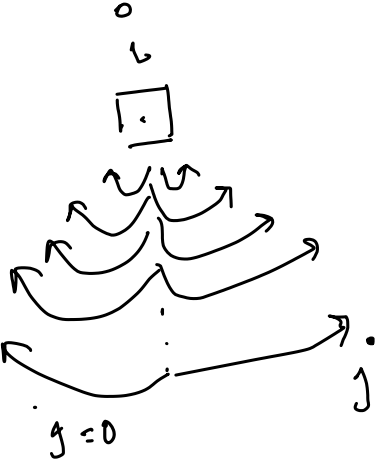
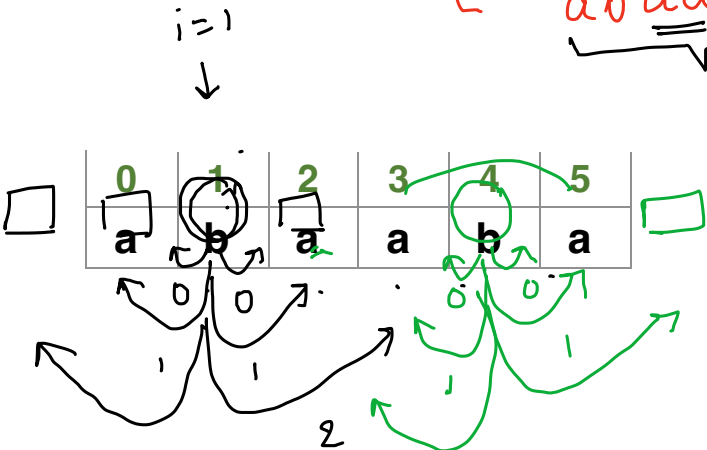
Output : 11



odd-len

"b"  
"aba"

"b"  
"aba"



aba    baab

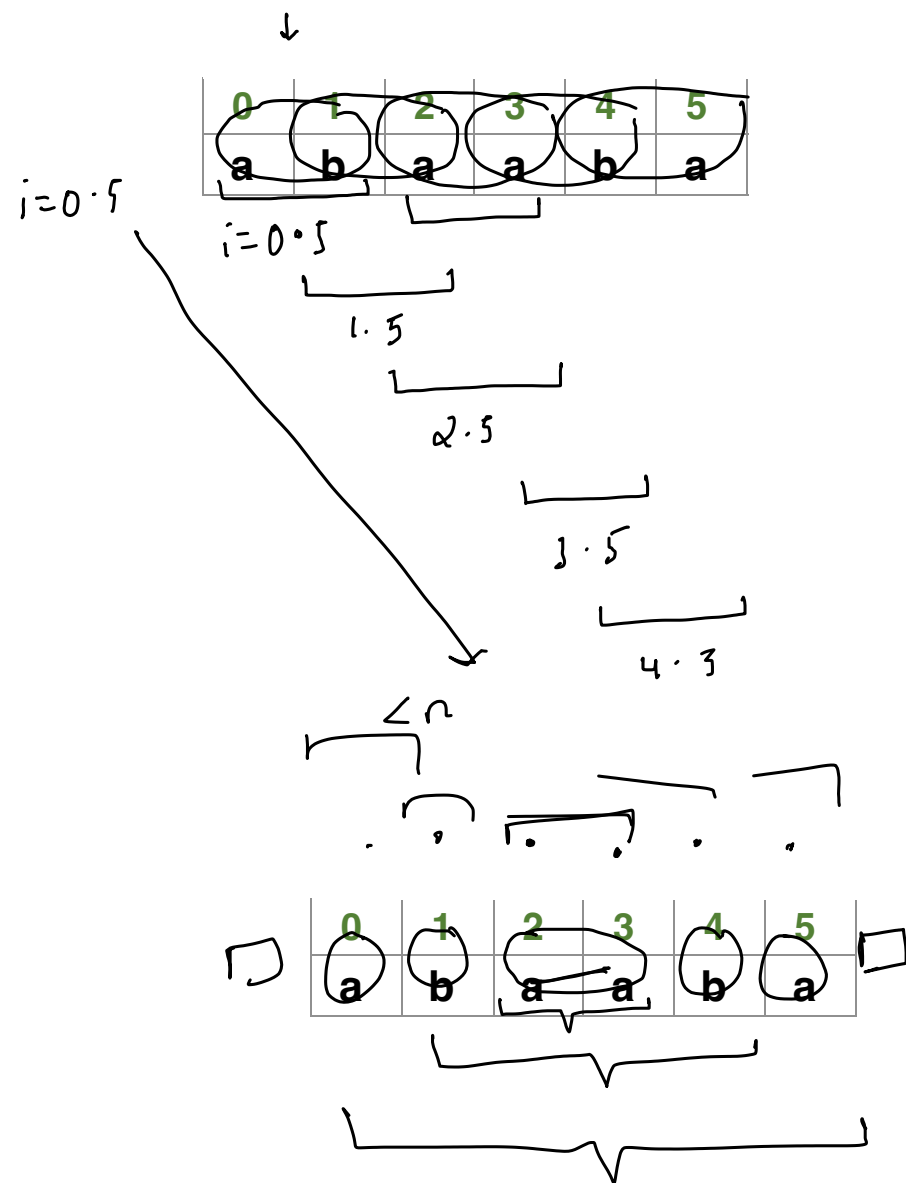
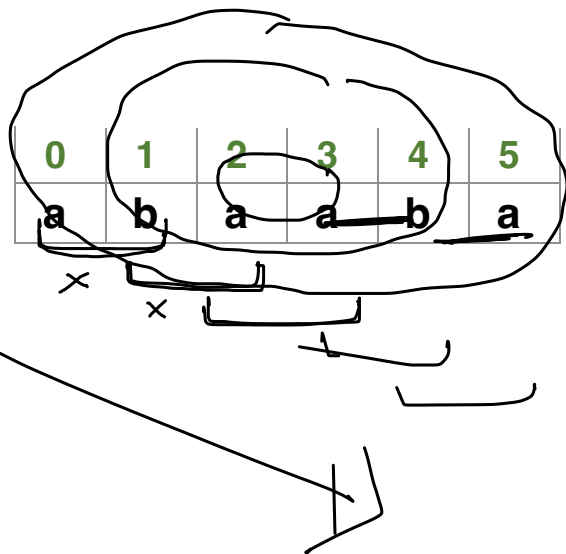


$$\left\{ \begin{array}{l} i+j \leq n-1 \\ i-j \geq 0 \end{array} \right\}$$

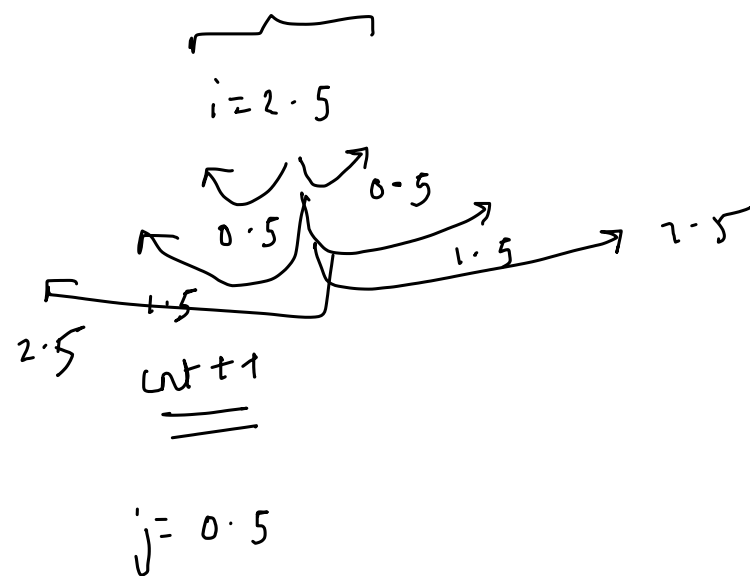
$s[i-j] == s[i+j]$

j++

01  
12  
23  
.  
.  
.

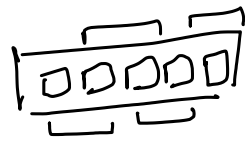


$i = 2.5$

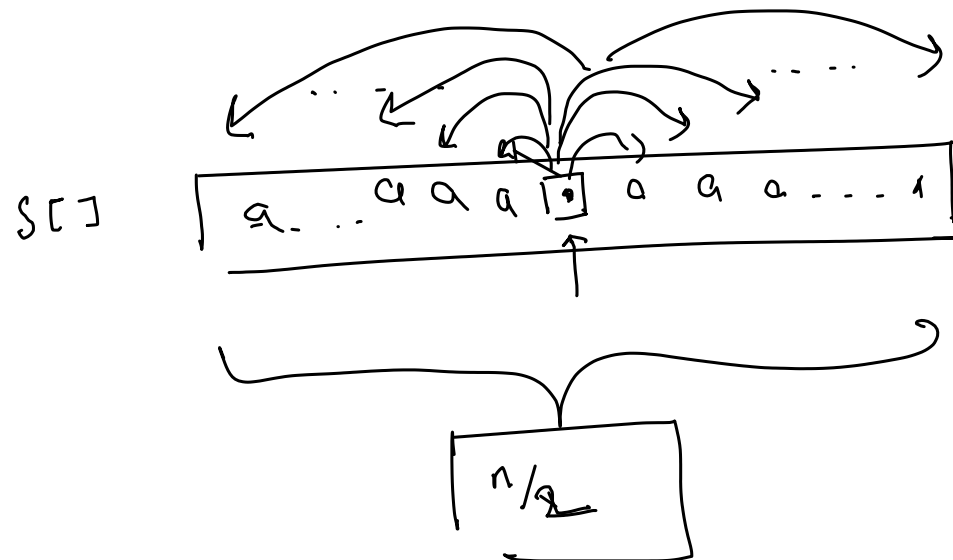


odd-len.  
centers

$n-1$  even-len  
lenkts



$(dn-1)$



$$\leq n/2$$

$$=$$

$$\leq (2n-1) \cdot n/2$$

$$\leq n^2 - \cancel{n/2}$$

time :  $O(n^2)$

space :  $O(1)$

Form Biggest Number

Form Biggest Number

Given an integer array, design an algorithm to **arrange** the elements of the array in a way that the arrangement yield the **biggest** number.

Example

Input

0	1	2	3
54	546	548	60

Output : 6054854654

Input

0	1	2	3
98	9	78	7

Output : 998787

"54" "546" "548" "60"  
sort ↓ing order  
"60" "548" "546" "54"

548 546 60 54

60, 548, 546, 54

⇒ 6054854654

sa sb  
"98" "9"  
"78" "7"  
↓ king order

"98" "9" "78" "7"

989787

sa + sb > sb + sa  
989 > 998 ? false

the a should come before b