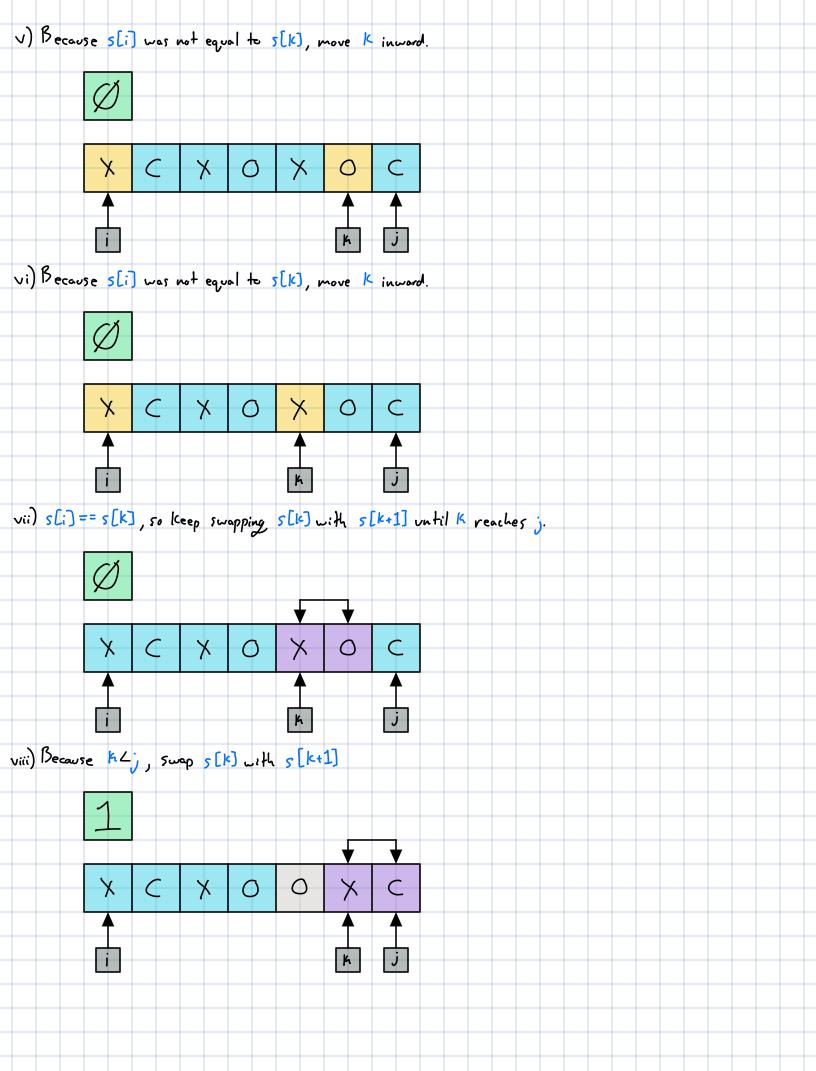
Statement

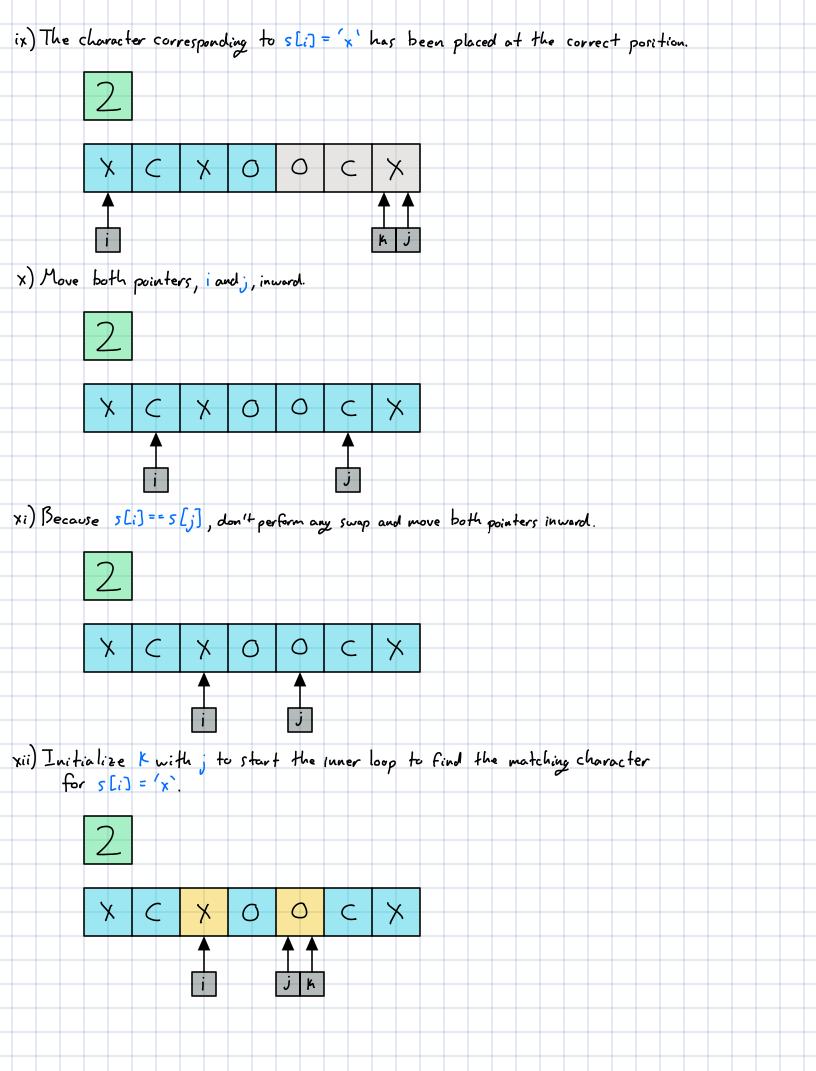
Lo a come a string s, return the minimum number of moves required to transform s into a palindrome. In each move, you can swap any two adjacent characters in s.

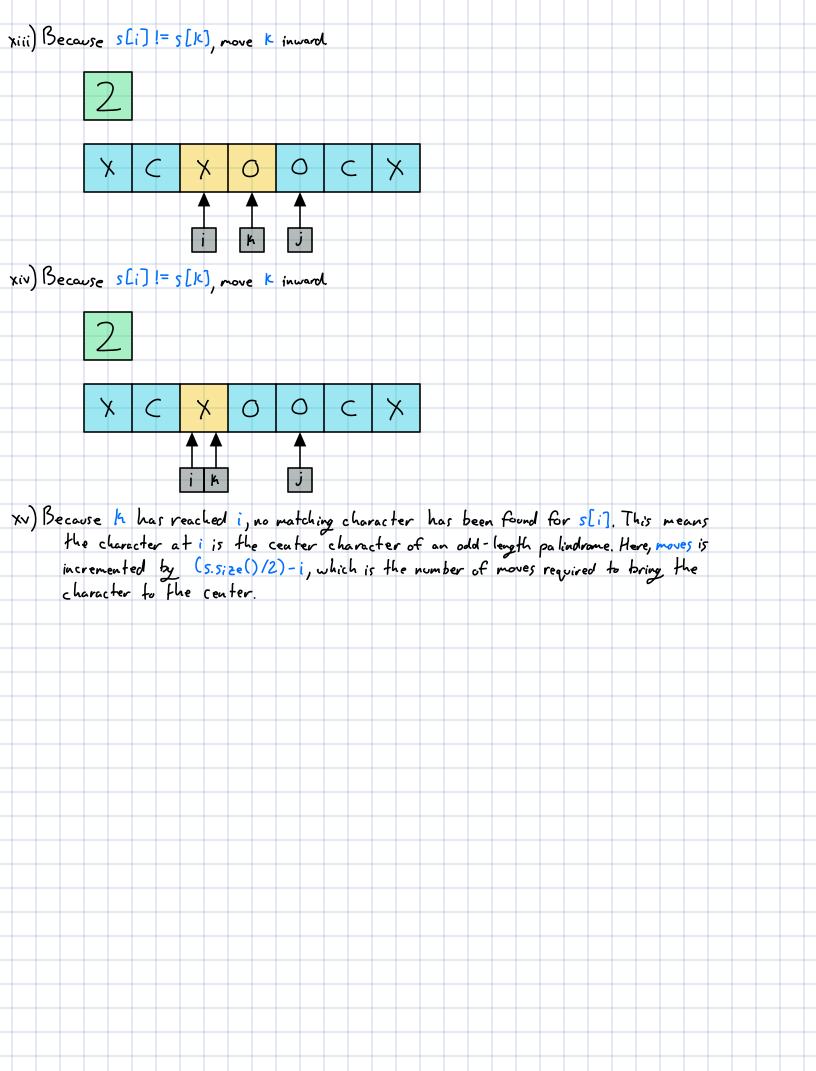
Approach

- 6) Initialize a variable, moves, with & to keep track of the number of swaps required.
- L) Initialize two pointers, i at the beginning of the string and ; at the end of the string, to traverse the string from both ends towards the center.
 - At each iteration, the goal is to match the character at i with the corresponding character at j.
- L) Start an inner loop with K initialized to j, which represents the current character at the end of the string. It moves backwards from j to i to find a matching character for 5[i].
 - The loop checks sli] == s[k]. If so, swap s[k] with s[k+1] until k reaches j. For each swap, increment the moves counter.
 - When the character is moved to j, decrement j to continue processing the next character from the end.
- L7 If no match is found by the time K reaches i (i.e., K==i), it means that the character at i is the center character of an odd-length palindrome.
 - In this case, the number of moves is incremented by (s.size()/2)-1, which is the number of moves required to bring the unique character to the center of the string.
 - No character su-opping required, just increment moves
- 4) After processing the string, return value of moves

Visualiz	ation								
i) Cive	n the impo	ut string,	fird minimen	. numbe	r of w	noves to	transform	inte palindron	ne.
	X	CX	0 ×	0	C				
ii) Init						track of	the number	er cf swaps m	ade.
	\varnothing								
	X	CX	0 ×	0	C				
iii) Initio			and j, at s			end of	the strin	٥.	
	(1)						0		
	A	C X	0 X		A				
i d) Sdraw		- 1	. 1c	1. 1/	j	+ -1	L. L W		
th	e String.	It works	h K, represed backwards f	rom j	to i to	find a ma	tching chor	acter for sli	7.
	\varnothing								
	X	CX	0 ×	0	C				
					j k				







```
Code
    int Min Moves To Make Palindrone (string s) {
      int moves = Ø;
      for (int i=0, j = 5. size () -1; i < j; i++) {
         in+ k= ;;
for ( ; k>; k--) {
            if (s[i] == s[k]) {
               for ( ; K < ; K++) {
                  swap (s[K], s[K]+1);
            j--;
break;
          if (k== i) {
            moves += 5. size () /2 - i)
     return moves;
Time Complexity
O(n2)
Space Complexity
(1)
```