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- 1) (70 pts) Given a 0-indexed string s, repeatedly perform the following operation any number of times:
 - Choose an index i in the string, and let c be the character in position i. **Delete** the **closest** occurrence of c to the **left** of i (if any) and the **closest occurrence** of c to the **right** of i (if any).

Your task is to **minimize** the length of **s** by performing the above operation any number of times.

Return an integer denoting the length of the **minimized** string.

2) (30 pts) Give 2 test cases and time complexity.

		- O
Example 1:	TC1 abcddbcaabcd"	input = abodefgh // Nothing to output = abodefgh. delete.
Input: s = "aaabc"	output = "odbca 1	output = abcdefgh. delete.
Output: 3	TC2	Time complexity: O(n2)
	Out put	
Demonse They	from left	for (in i=0; izn; i++) (.
2) Pick character of and make all the occurre		Char throsen wortenthan - 500 g martin
of them in the right to #!		i ((()) {
3 Repeat till on pointer does not reach end		I
- C C C C C C C C C C C C C C C C C C C		pr(mt j= i+1; j <n; j++).1<="" th=""></n;>
A Return a new String that to contain non the chair from previous.		ig (Dinput (j] = = input (i) {,
A chair de	m premous	
Eg: abcobcabc		1 input (j) = \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	abc#bc#bc	γ ΄.
Pick b ->	ab c ##c##c	9 3
Pick c ->	abc ######	1/ \$ Add unique was to output
i .	raign string again & return	for (mar c: 0. input)
"asc".		y (c!='#') output += c;
String minimizeString (string input) {		return output;
String 0	what = '';	
1 (1)		
	- length () = =0) return output;	16 -0(2)
int n=	or input length ();	11 Time complexity = 0 (12)
		1/2 max secure for the last of