Problem Statement

Suggest Edit

You are given a string 'str' of length 'n'.

Find the minimum number of partitions in the string so that no partition is empty and every partitioned substring is a palindrome.

Example:

```
Input: 'str' = "aaccb"
```

Output: 2

Explanation: We can make a valid partition like aa | cc | b.

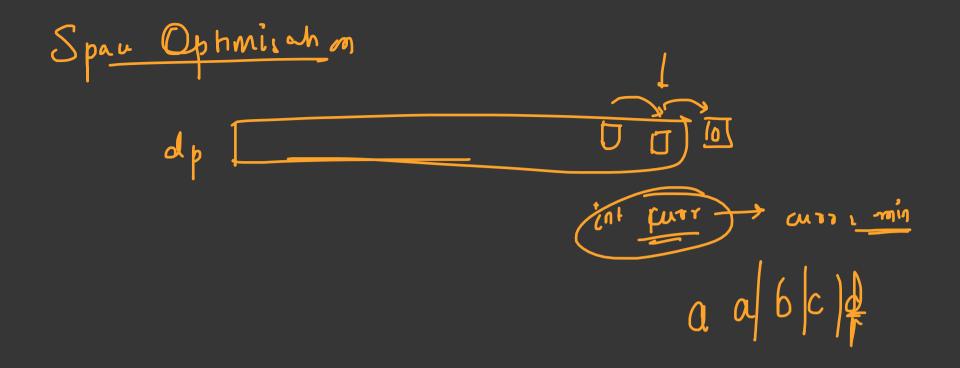
Explanation und Understanding question: Q' Kon many max partiting can be there for the stoty to be palindr 5 2 <u>a</u> <u>a</u> <u>C</u> <u>C</u> $-\frac{n-1}{m}$ (wex) Lucy string to are normalmen n-1 partition We have find the nuntmom Parkhen a a c c b 2 partition 2 partition is melainon

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Approach: MAX 2 71 Front Parkhen Algo 508 ((j (L) abcace de min -

Klubrence f(i) (i 2 2 1) rehen 20, denp2 11 1 for (j'z 1, 'j \ n; () + +) temp +2 S[j], is Palindrame (temp)

Cost 2 o-1 + f (4+1); Min Cost, min (min Cost, Lost).



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```
int minPartitionT(string &s){
    int n=s.size();
    vector<int> dp(n+1,0);
    for(int i=n-1; i>=0; i--){
        int minCost = 1e9;
            for(int j=i; j<n; j++){</pre>
            if(isPalindrome(i,j,s)){
                int cost = 1 + dp[j+1];
                minCost = min(minCost,cost);
        dp[i] = minCost;
    return dp[0];-
```

