## Court all palindromic Subsequence

Assume, The string is "aa6" Duite While aab (1,2) a6 aa (0,1) (i) \$ (i) 8 विद्यान (i+1,j) (i,j-1) (i+1,j-1) Time Complexity (2,2) (1,1) (2,1) (-(4)) (0,0) space complexity S(!]28[j] [De:102] 0(103) ([, | QC = 3 (Memo)(1-1, (+1)) (3,2) (21) J(FLi) (10) oa 6=1 (Store in a 2 meno. 26 0 Q=1 (Memo) \* If s[i]=s(j), we assume that it is a palinations and add 1 to the resent, and (1+1+0)+(1+1+1)+1 later in the secursian of that (i,i), if charge Selw i & jour palindrome than I will add else func (i+1,1-1 2+3-1=>4 Number of palindromic => 4 "aab" For Subsequences possible If Memo (i)(i) #-1 => This is a overlapping subproblem Where we faced same issue earlier i=i = ) It is single char, and stored the solution in Meno avag So Storing 1 in Memo So there want Ge necessity of reexecutie array This method saves time 121 - seturn o Memo [O][len(s)-i we need to seturn