(D) memoized-945_startion (p,n) // p is arrow of located inilialize ([n]; for i= 0 to n (i) = -00 (duin nemo-aux (P, n, r) MEMO-GUX (P, n, r) if rEn) = 0 if === 0 9=0 q = -00 for i=1 to n q= max (2, p[i) + memo_aux (p, n-i, r) -(n) = a (flore a while cost & M Al two- putents fix P, such that vi-m and vi-mi is maximal insport those petents into collection

increment cost

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3) palisdrone (i, j,x)/ find perindrone from ith charter to jth character if i==; //x is array of characters (40/7) if (x (i)==x[j]) (x (i)=x[j]) (4) /Sort points from left to right vertes evicksort (1,... In) is set of points from left to right. ((i,i) sives shortest p-th for Pito Pi, ((1,2) = 11,-P21. To) eternihe ((i,j), be the right most point of a subject trueling Vieft. So least 15 l(i,j-1) + 18:-1-P; | if i < j-1 The shortest path from july to je could be different from l(j.1, j) so re test all valves from 1. 1 to j-1 l(j-1,j)= min; (l(k,j-1)+ 1PE-P; 1)