

d: There are 16 discord subproblem a: There we m' distinct subproblem f = I would using DP- Table to memoise 00000 ? (1, 1). (1,2) ... (1/0) $0 (12)2.3 + (0,1)=0 f(n,m)= \{(k-1,m-1)\} max$ $0 (12)2.3 + (0,1)=0 f(n,m)= \{(k-1,m-1)\} max$ 1 (1+f(1,2)) = f(1,2)=1 f(n,m)= 1 + (n-k,m) 1 + (n-k,m) = (n-k,m) f(n,m)= 1 + (n-k,m) f(n,m) 1 + (n-k,m) = (n-k,m) f(n,m)= 1 + (n-k,m) f(n,m) f(n,m)5. M (2,2) + (2, D = 1) mm 2+2=2 $f(1,2) = \{(0,1) = 0\} \quad 3+1 = 4 \cdot \{(1,2) = (1,2) = 3\} \quad 2+1 = 3$ $f(2,2) = \{(2,2) = 2\} \quad 2+1 = 3$ $f(3,2) = \{(3,2) = 2\} \quad 2+1 = 3$ min f(4,2) = 3 (box => 3+1=4

