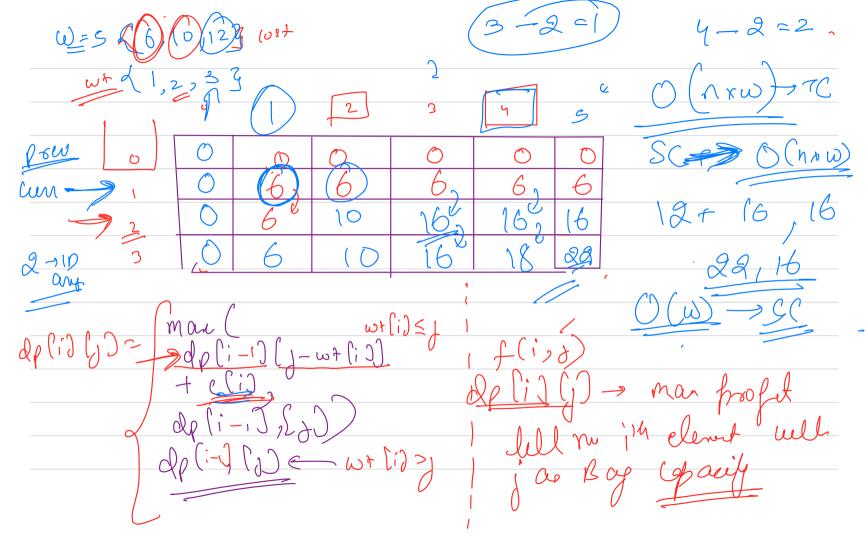
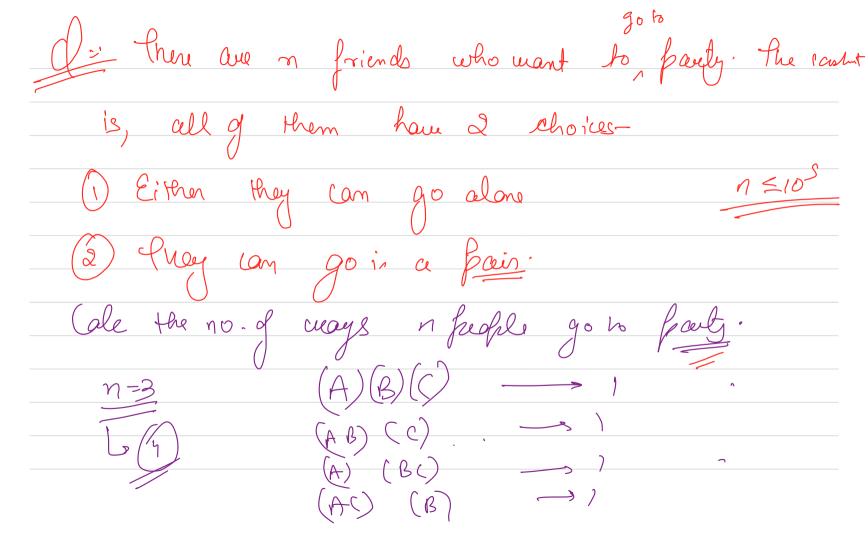
0-1 Knapsack On there is a robber who wants to rob some houses. In each house there is a gold of weeflet wf(i) & cost C[i] . Kokher has a knapsack ahich can insuleate man W weglet items inside it. The only Constraint is, if robber looks a house he will eille fick all gold from that howe as fick nother. What is
the man value (oot he can do. W=5 £6,10,123/
an-1 22 11,2,33

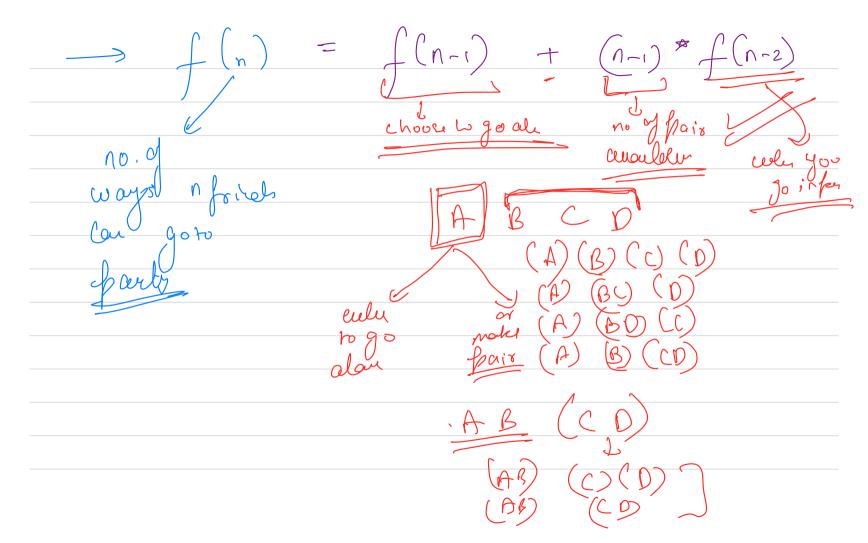
Exploreall possibily w+ -> we get array Recurence 2 chocks picker mon profet till the pre house  $\omega + (i) > \omega$ wing Wwx yem den in m knafsack

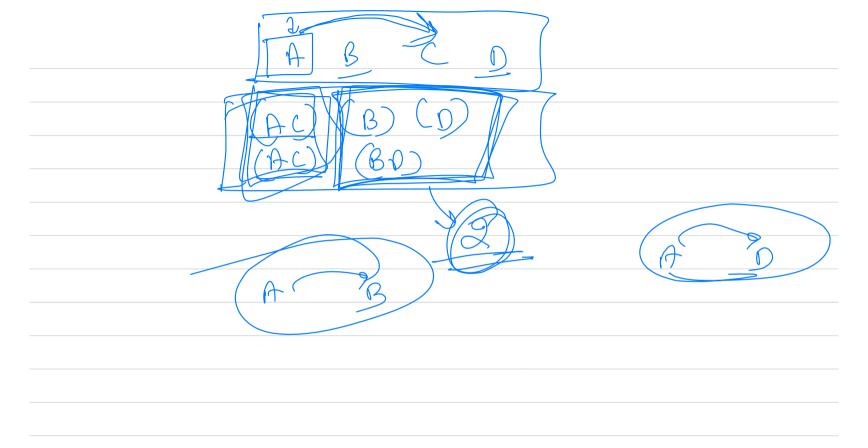
Counquely identify a state we repun I demend

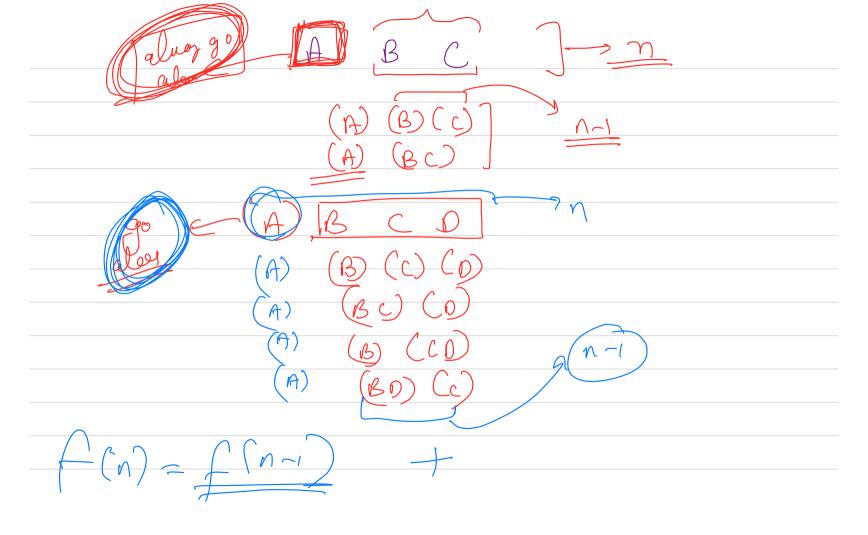


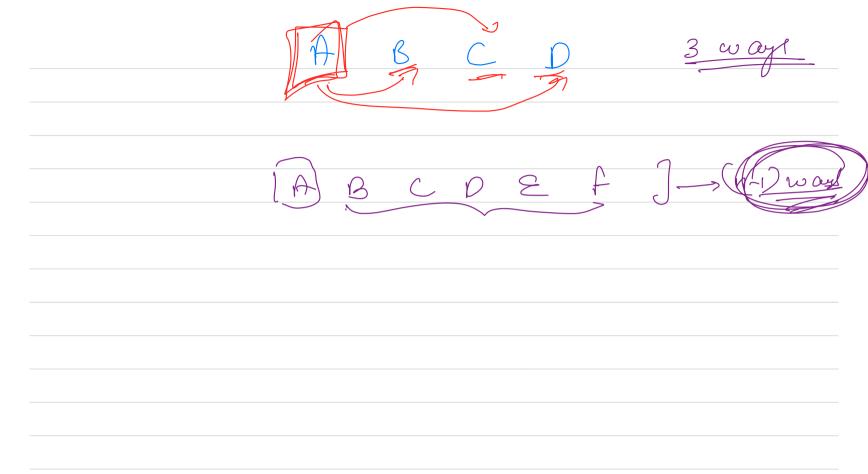
In DP, Time complemets depends on the no. of unique States. TC 50 no. of unique states X (lime consumed in) TD-0P

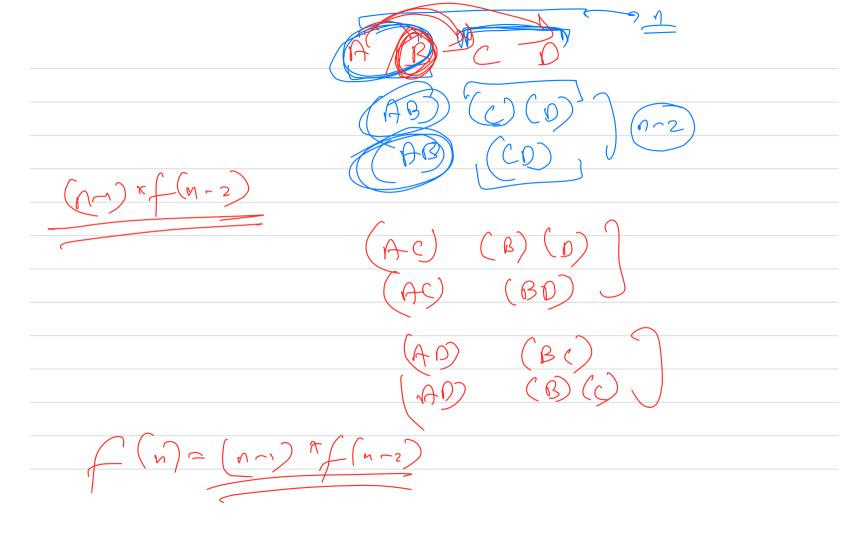












 $) = \int (n-i) + (n-i) d$