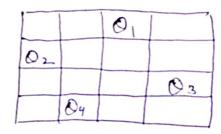
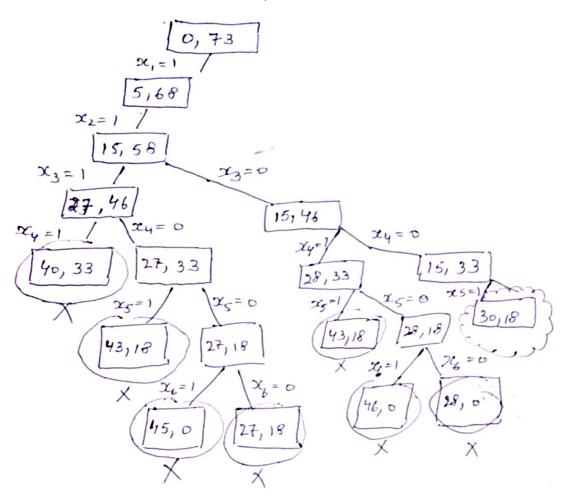
11- Oueen Problem. (Backtracking) Conditions: (1) No two Queens Should be placed in Same Row (4) No two Oulers Should be placed in Same Column (m) No two owens trailed be placed in Same dignd. 1 8 - Queen. 4 - Oven 0, 01 02 02 02 03 03 Q-4 Cannot be placed (All oneens placed Q-3 Cannot be placed (Backtrack) Successfully (Backtrack)

Another Solution (misrol image of existing Solution).



1

Subset Sum Problem

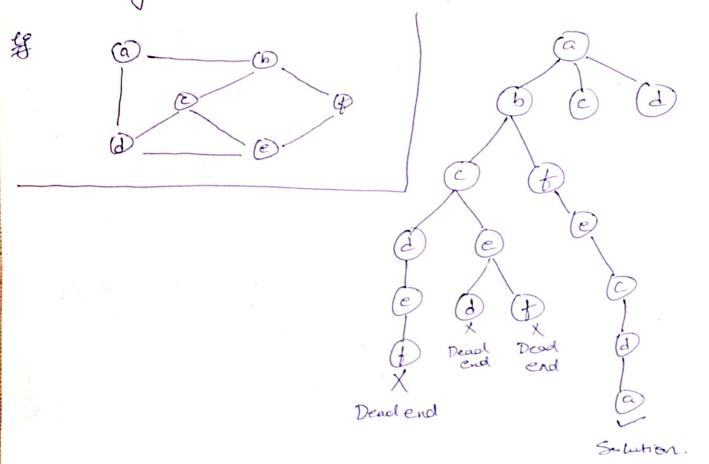


$$\sum_{i=1}^{K} \omega_{i} x_{i} + \omega_{K+1} \leq m$$

Hamiltonian Circuit Rubbers (wing Backtracking)

The problem is Concerned about finding Hamiltonian limit / Rath in a given graph.

Hamiltonian aincuit: It is defined as a Cycle that passes to all the Vertices of a graph exactly once except the Starting and ending Vertices that 13 the Same Vertex.



Mamiltonian Graph (1) a → b → f → e → c → d → a