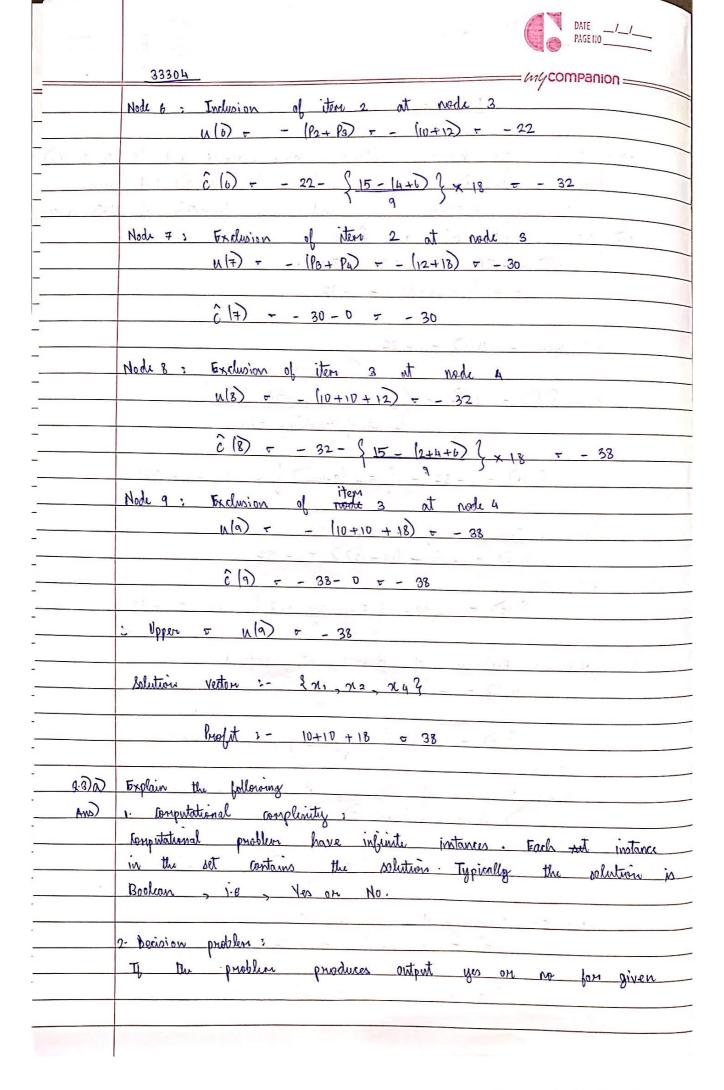
0



33304 = Mycompanion ==== input. An algorithm which solves decision problem is could as decision algorithm 3. Deterministic and Non-deterministic algorithm: Typically represented by a static member where machine moves from on state to another on a specific input The non-detarinative algorithm works on guessing for same input these algorithms many produce different results every time. 4. Complex classes: The has a types > i) p-class ii) np - dass g-problems are a set of problems that can be sorted in polynomial time pp-problem are the set of problems that can be solved in non determination polynomial trois 5. Tribe Intractability: broblem which takes prinarely unacceptable time , i.e., very long time to be solved. ai) a Write a backtracking algorithm to solve graph aloning problem. Define chromatic number of a graph. Find the drianatic no- of the graph and draw the necessary state space true-

