classmate 15/10/08/1 Trenative deep wing. depth=0 The depth is O so it will stoat at Y Y's not goal state. The depth is incremented toy 1. It will the path will be 4 > P -> X It didn't reach goal state. The depth is incremented by I. It will traverse uptill the end of left node and visit the Milnode of parent node 18 a combination DFS pand BFS. The path will be Y->P->R->5->K->F It reached the goal state. Algorethm. def Bearch (target, sac, depth) if node==taget. nhile (depth <= 0) of for neighbora nodes in nodes;

search (target, reignbours nedles, depth-1) def itaative Ctanget, SEC, medagter for depth in range (maxleptht!), search (target, serc, depth) 8 puzzle. At. A distance 4+2+1+1 Mn)=6 new= 8. fla)=9. f(n) = 7 gen = 2. 3: fln=q, fen = 9. FEA) =7 g(n) = 3 B

