Iterative Deepening Search

· Performed Search Strategy
· Performing DFS in BFS manner (Combination of DFS and BFS)

· Depth limited search is used as a component of TDS

Start = oth level, Gratill = MAX Depth

At each level DLS is performed upto certain

Nevel, if target is tound, then successful, atherwise

level is increased by lat every ideration till

man depth. Se inalimited depth , every node is visited and level is increaced gradually. Complete Yes Time: 0(6d) Space: O(bd)
Optimal: Yes, it step cost=1 b= Branching fuctor

l = Depth at ustug step Algorithm IDS (Problem) returns y solution or Fuilure inpute: problem for depth < 0 to solo if coult # cutoff then return coult