

Objective Type

- (a) Iterative deepening time complexity is $O(b^d)$ True
BFS time complexity is $O(b^d)$
- (b) System 1 is fast & intuitive. System 2 is slow logical processy. False
- (c) Finding the optimal subset - in general NP-hard. True
- (d) Rejection Sampling \rightarrow central idea is to sample variables but keep checking the violation w.r.t. evidence. True
- (e) Heuristic $h(n) = 1$ is not admissible for any search problem.
 $h(S) = 1$
 $\textcircled{S} \xrightarrow{0.1} \textcircled{G}$ simple counter-example False
- (f) In expectimax, values are computed using an expectation. Strategy is determined by the relative assessment of values. A uniform scaling of terminal values will not affect their relative value. False