Al_Quiz _02

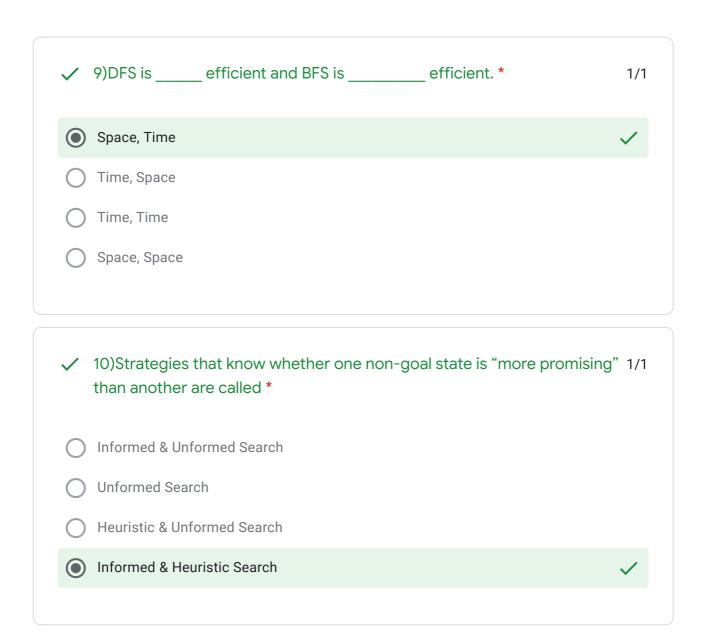
Total points 10/10

BE-A-RollNO

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✓ 1)When is breadth-first search is optimal? *	1/1
When there is less number of nodes	
When all step costs are equal	✓
When all step costs are unequal	
None of the mentioned	
✓ 2)Heuristic function h(n) is *	1/1
O Lowest path cost	
Cheapest path from root to goal node	
Estimated cost of cheapest path from root to goal node	✓
Average path cost	

/	3)Blind searching is general term for *	1/1
0	Informed Search	
	Uninformed Search	✓
0	Informed & Unformed Search	
0	Heuristic Search	
~	4)Uniform-cost search expands the node n with the*	1/1
	Lowest path cost	✓
0	Heuristic cost	
0	Highest path cost	
0	Average path cost	
~	5)Which search uses the problem specific knowledge beyond the definition of the problem? *	1/1
	Informed search	✓
0	Depth-first search	
0	Breadth-first search	
0	Uninformed search	

6)What is the heuristic function of greedy best-first search? * 1/1
(n) > h(n)
7)A search algorithm takes as an input and returns as 1/1 an output. *
Input, output
Problem, solution
Solution, problem
O Parameters, sequence of actions
✓ 8)How many types are available in uninformed search method? * 1/1
○ 3
5
O 6



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