Monday, April 6, 2020

7:26 PM

(1 point) Describe in words the properties of a DAG. Describe in words what will change about the edges and nodes in your new graph as compared to your previous graph

a) (1 point) What properties of the graph make it possible for you to use Dijkstra's on this graph

a) Weighted edges?

b) Unweighted edges?

c) Unconnected nodes?

d) Cycles?

(3 points) You want to find the optimal path from the start node (0,0) to the end node (n,n) using the A* algorithm. What is an admissible and consistent heuristic that you can use to help you solve the maze using A*? Justify why it's both admissible and consistent.

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It is ad mis ibre because herase et will not over estimate distance

Otis consistent becase

(x1-x2)² + (y1-y2)² - to it is still (lose-loactual distance)