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QQ6

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0 points possible (ungraded)

Which of the following statements are true concerning the Vehicle Routing Problem (VRP)? (You may check more than one choice)

- a) For a given set of nodes, the VRP solution will always be better than the TSP solution
- c) Route First, Cluster Second is a VRP heuristic
- lacktriangledown d) In Cluster First, Route Second heuristics, the TSP is solved in the second step \checkmark
- e) If N is the number of demand nodes in the network, then no more than N/2 vehicles can be used.



Explanation

The correct answer is d.

- a) False. At best, they will be equal if there is only one vehicle. Having two or more vehicles will obviously increase the total tour length of the VRP over the TSP solution that assumes a single vehicle.
- b) False. No, this is a class or basic approach of several heuristics it is not a heuristic itself.
- c) False. No, this is a class or basic approach of several heuristics it is not a heuristic itself.
- d) True. Once clustered, a TSP solution is found for each vehicle tour.
- e) False. I just made this up. It is nonsense.

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You have used 3 of 3 attempts

1 Answers are displayed within the problem

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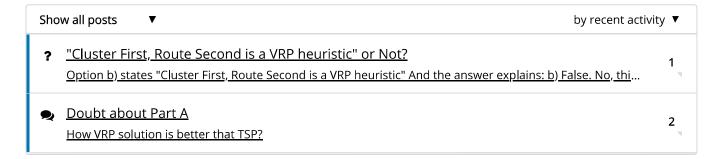
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