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Q1. Explain the Time Complexity of A^* Algorithms

→ The time complexity of A^* algorithm depend on the heuristic function accuracy and the search space size. In the worst case scenario, it can be exponential. However, with an admissible & consistent heuristic A^* guarantee finding optimal solution efficiently.

Q2. What are limitation of A^* algorithm

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1. Memory Usage: Worst case time complexity can be exponential, particularly with ineffective heuristic & large search spaces.
 2. Exponential Complexity: Worst case time complexity can be exponential particularly with ineffective heuristics.