

[2] Give three solutions to A* space problems

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[3] Give three ways for inventing admissible heuristics

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[4] Write heuristic to determine divisibility for each case, then apply it

- a. 17,587,623 by 3
- b. 34,461 by 7
- c. 285,311,670,611 by 11

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Write a report on the following:

1 What is meant by heuristics? Discussing different types of heuristics.

2 What are the properties of heuristics? Emphasizing the application perspective.

3 how can you verify that Artificial Intelligence is flourished by the concept of heuristics .

4 study and state some heuristics in any field of your choice :

- Medicine
- Engineering
- Pharmacy
- Trade and economic
- Music
- Programming
- Hardware or software