

Rajnikant Problem Airoplane

1. Initialize two runways with 3 planes and 4 planes respectively.
2. Initialize a variable to keep track of the total terrorists eliminated.
3. Repeat the following steps:
 - a. For each plane in Runway 1:
 - i. Rajnikant enters the plane, knocks out all terrorists, and saves passengers.
 - ii. Rajnikant returns to the starting point.
 - iii. Increment the total terrorists eliminated by the number eliminated in this plane.
 - b. For each plane in Runway 2:
 - i. Rajnikant enters the plane, knocks out all terrorists, and saves passengers.
 - ii. Rajnikant returns to the starting point.
 - iii. Increment the total terrorists eliminated by the number eliminated in this plane.
4. Print the total terrorists eliminated and the sequence of planes visited.

Sorav Kondal Wife Kidnapped

Certainly, here's the algorithm without any accompanying code:

1. *Initialization:*

- Sorav starts his investigation in Dubai.
- Sorav has an initial list of contacts in Dubai.
- Initialize an empty set to keep track of visited contacts.

2. *Exploration:*

- While there are contacts to explore:
 - Select the next contact from the list of contacts.
 - Communicate with the contact to gather information about the kidnapping.

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- If the contact provides new leads (additional people involved), add them to the list of contacts for further investigation.
 - Mark the current contact as visited to avoid revisiting.

3. *Termination:*

- The investigation ends when:
 - Sorav has gathered sufficient information to solve the case, or
 - There are no more contacts left to explore.

This algorithm outlines the investigative process Sorav undertakes to gather information about the kidnapping by interacting with contacts and following leads provided by them.

Title: Soldier's Pathfinding Algorithm

1. *Initialize:*

- Prepare the soldier for the mission.
- Create a 5x5 grid with random threat levels.

2. *Memoization Setup:*

- Initialize a memoization table with large values.

3. *Start and End Points:*

- Set start point: top-left corner.
- Define end point: bottom-right corner.

4. *End Point Cost:*

- Set cost at end point to zero.

5. *Update Memoization:*

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- Iterate through grid cells.
 - Calculate minimum cost to reach each cell.
 - Update memoization table with minimum cost.

6. *Pathfinding:*

- Trace optimal path from end point to start.
- Choose neighboring cell with minimum cost at each step.
- Add cells to path until reaching start.

7. *Reverse Path:*

- Reverse obtained path for start to end route.

8. *Display Path:*

- Print optimal path for soldier to traverse.

9. *Calculate Total:*

- Determine total terrorists eliminated along path.

10. *Mission Complete:*

- Conclude mission, highlighting soldier's success in neutralizing threats.
- Acknowledge soldier's bravery and strategy for ensuring peace.