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MARONITA SAHA

Pask of:

Hore, two find the shortest path we took the help of Dijkstra algorithm We at first introduced the formation of a graph. Then from the source mode eve evaluated the distance to all other nodes, where all other source nodes except source node has a distance of "inf" or infinity. Will all modes are visited, ne final out the strodes with minimum. distance and compare it with a the adjoacent ones, the minimum one is updated. Traversing a coop on the list distances " we O generate the output as the "Shorkest path"

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Park 02:

Here, Dijkstra's algorithm linels thee shortest distance from start. We initialize distance of each made as infinity initially other than the start node as 0. We work on a loop undest the priority queue is empty. And for the limition meetingpoint() we calculate the distances from friend 1 and friend 2 to all moder using Dijkstra algorithm.

Park 03:

Here, we implement the Dijlustra algorithm to find the maximum danger level path from start to end mode. Then it peps the node with maximum danger level from the priority queue and compares the current and provious maximum dangers level and updates it. The main! huch'an level and updates it. The main! huch'an works on iterating through the graph and works on iterating through the graph and calls the dijktra algorithm to hind!

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