

Help Doc for Traveling Nurse

Dear Mary,

This is a document to help you understand your navigation better in case you'd like to make any updates for future patients, along with understanding your way now. From the file of the patient list the hospital offered, the graph below is constructed.

Given Patient list before interpreting to graph, matrix, and adjacency list

Mary -> Henry = 4

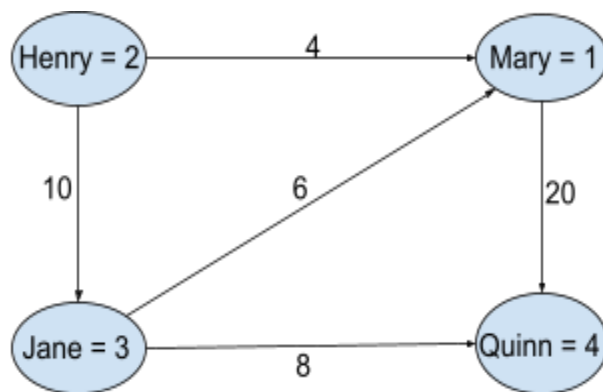
Mary -> Jane = 6

Mary -> Quinn = 20

Henry -> Jane = 10

Quinn -> Jane = 8

Graph:



The graph nodes contain the assigned variable for each of the patients and the weight(distance from each patient) analyzed by their path from each other.

Matrix:

	1	2	3	4
1	0	4	6	20
2	4	0	10	0
3	6	10	0	8
4	20	0	8	0

The matrix contains and portrays the connection between the distances.

Adjacency List:

1	2	4
1	3	6
1	4	20
2	3	10
3	4	8

The Adjacency list is what goes into the file to enable extracting the data more easily. It also analyzes the path from each node, and their weight. It's given in a 2 dimensional matrix and it has 4 nodes.

Shortest Path

The shortest path analysis tells you where to go first and in what sequence. The output would be in numerals. Therefore, this doc should help you understand and convert who you'd be attending to better in words, according to their name.