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CS-566

Draft Assignment 4

1:

For this project, I want to do a classification based on the destination of the package, and classify them according to the city, state and country where the package is located. So the first choice is not to seek their common ground. This part can be done using divide and conquer. We will talk about the international classification of the package according to the city classification of the package.

In this assignment,I wanna use Dijkstra algorithm to find the shortest path to deliver the package. For example, in the MA, there are two packages to different cities. I wanna use merge sort to divide them into different groups based on their priority,and then use the Dijkstra algorithm to find the shortest path

3.1:

The input should contain the package number,State, City, priority. If possible, provide the Precision and Dimensions

For example:

1, MA, Boston, 1,destination’s Precision and Dimensions

2, CA, Los Angles, 2,destination’s Precision and Dimensions

3, MA, Worcester, 3,destination’s Precision and Dimensions

4, MA, Worcester, 4,destination’s Precision and Dimensions

This can help the algorithm know each package’s priority and calculate the shortest path.

6:

For this project, the input should more detail. And then i can use the Dijkstra algorithm to calculate the shortest path for each package