

# Project 3

## All-pairs shortest path

Given a small map.

Input: starting point and termination (two locations in the map).

Output: the shortest path from start point to termination and the corresponding routing in detail. At least, you should provide the information about the distance. You can also provide multiple alternative routes with the same distance or slightly longer distances as options. The more you take into account, the more grades you will get.

Document is very important, and you need to explain what you have done, how you implement it and why.

**Enjoy it & Good luck!!**

Grading

- (1) Algorithm and implemented code (60%).
- (2) Efficiency of the algorithm (20%).
- (3) Document (20%)