Task 1

It is just a normal Dijkstra algorithm, where we have to find the shortest path of every node.

Task 2

In this task, we applied Dijkstra algorithm for two times, from alice's node and from Bob's node. Then we have to just find the lowest time.

Task 3

In this task, we have to apply Dijkstra algorithm, but this time we don't have to add weight from previous node. We have to find max of previous node's cost and weight of current node. If it is less than the current node's cost, then update it. After completing every ways to go to the last node, we can easily get the minimum danger level.