Task-1

Here firstly we set ∞ all the distances to infinity. Then we did a bfs traversal to find shortest path. While traversing we are always checking if the previous weight was smaller. rather doing the basic traversal only by cheeking the color value.

Task-2

Here we did ~~twort~~ two bfs traversal to know where their paths matchs each other. We used the colour value to match their ~~tas~~ nodes. Eventually we print the maximum weight to get our minimum result.

Task-3

Here we did dfs traversal to find all the path. Then considering all the path, we get our minimum danger.