

### **1. Path Printing :** Printing the nodes while traversal

- a. Parent maintain
- b. While exploring new nodes, parent will be the exploring node.
- c. Starting from destination node's parent. [Reversed]
- d. Reverse the parent will give us the actual path of the traversal

### **2. Path Printing in Code : Implementation**

FROM Cses.fi : [Message Route : https://cses.fi/problemset/task/1667](https://cses.fi/problemset/task/1667)

### **3. Shortest Path on a Weighted Graph : Dijkstra Algorithm**

BFS or DFS not possible. Because its weighted graph. For this we need Dijkstra Algorithm.

How to solve SSSP for weighted Graph, explained.