

### Adjacency List

Use of pairs: (string, int)

Amritsar → (Delhi, 1) (Jaipur, 4)

Jaipur → (Delhi, 2) (Mumbai, 8)

Mumbai → (Bhopal, 3) (Jaipur, 8)

Bhopal → (Agra, 2) (Mumbai, 3)

Delhi → (Amritsar, 1) (Jaipur, 2) (Agra, 1)

Agra → (Delhi, 1) (Bhopal, 2)

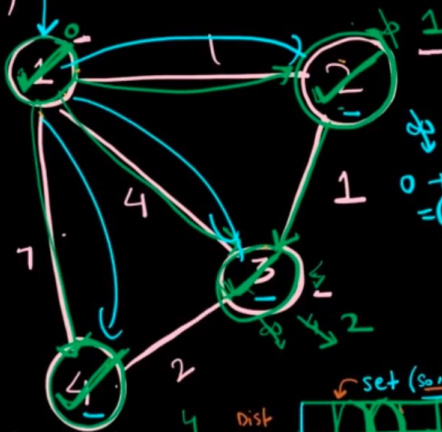
*map & unordered\_map in C++*

dist < city, int?

dist map

1 → 0  
2 → 1  
3 → 2  
4 → 4

Source to all other nodes



1 → (2, 1) (3, 4)  
(4, 7)

Edges

Dijkstra's Algorithm

weighted graphs

set (sorted)

[SSSP]

single source to all other nodes.

Dist Node

Node with min distance?