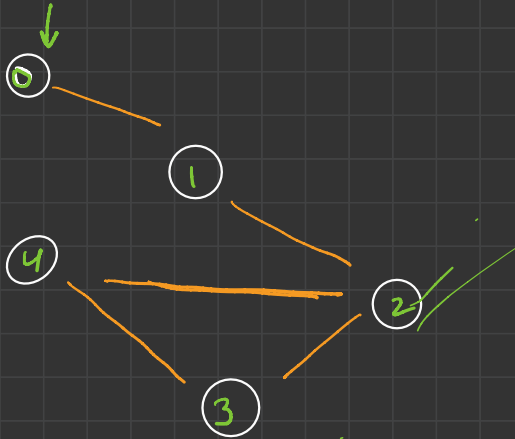


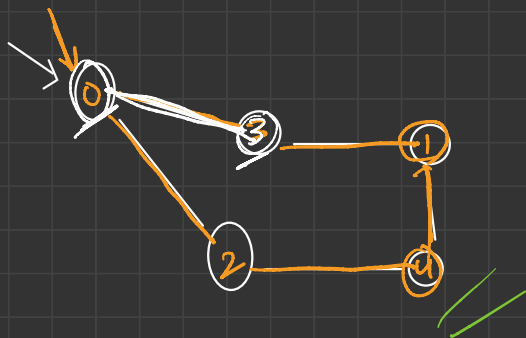

Graph

→ BFS :- Breadth first search

↙
traversal
technique



point → 0, 1, 2, 3, 4



→ 0, 2, 3, 4, 1



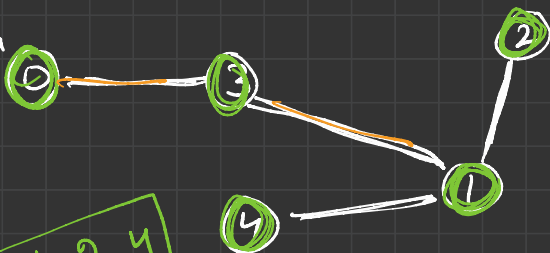
queue → FIFO

D.S

visited D.S

unordered_map < node, bool >;
 ↓
int

src Node



IV
ans \rightarrow 0, 3, 1, 2, 4

$O(N+2)$
↓
Nodes

front Node = 0

* front Node = 3

front Node = 1

front Node = 2

front Node = 4

Dry Run

adj list

0 \rightarrow 3

1 \rightarrow 2, 3, 4

2 \rightarrow 1

3 \rightarrow 0, 1

4 \rightarrow 1

visited

0 \rightarrow ~~F~~ T

1 \rightarrow ~~F~~ T

2 \rightarrow ~~F~~ T

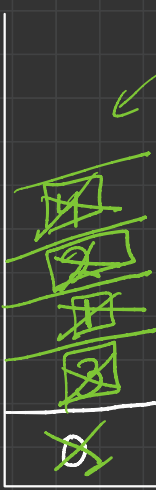
3 \rightarrow ~~F~~ T

4 \rightarrow ~~F~~ T

src node

For (int i=0; i<n; i++)

if (!visited [node])
 \rightarrow bfs()



q.empty

←

I

3

