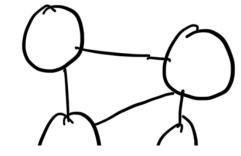
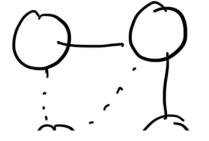
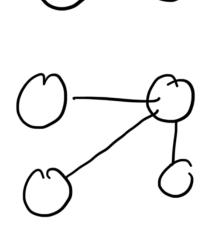
Spanning Tree Graph Strategy a Dynamic mogramming Spanning Trecz 74 Spanning Trees 72 A subgraph of lendiscoted graph G=(U,E) is a Spanning Tree

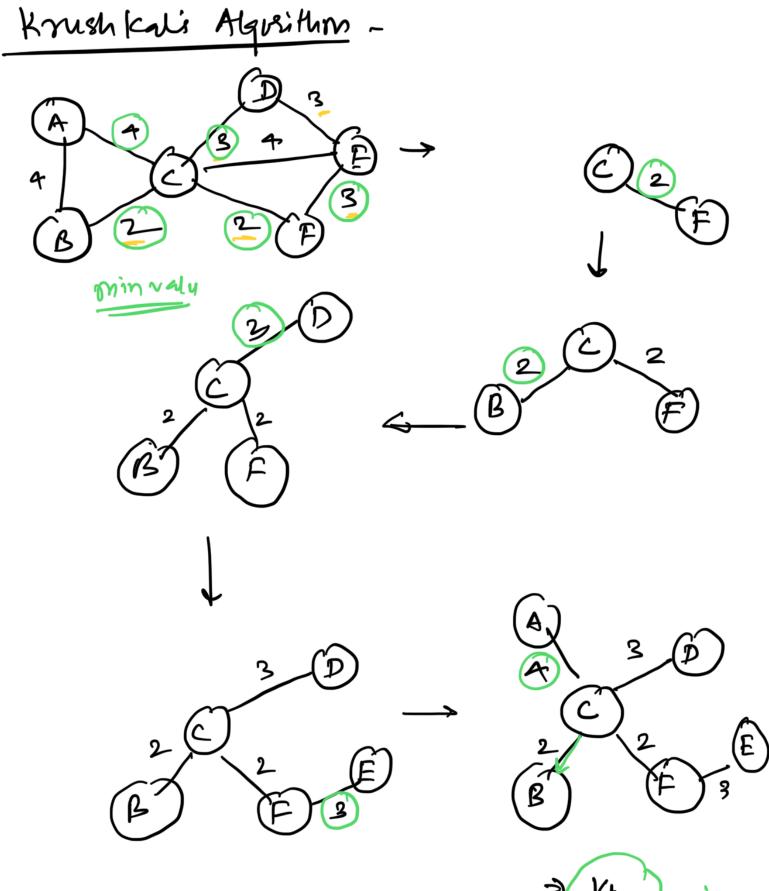






Algorit ms

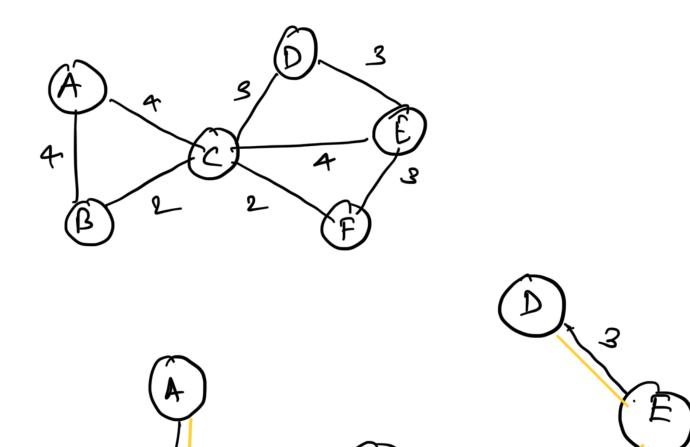
- 1. Konchkali Algozithm
- 2. Primis Alposithm



Total min cost of SP

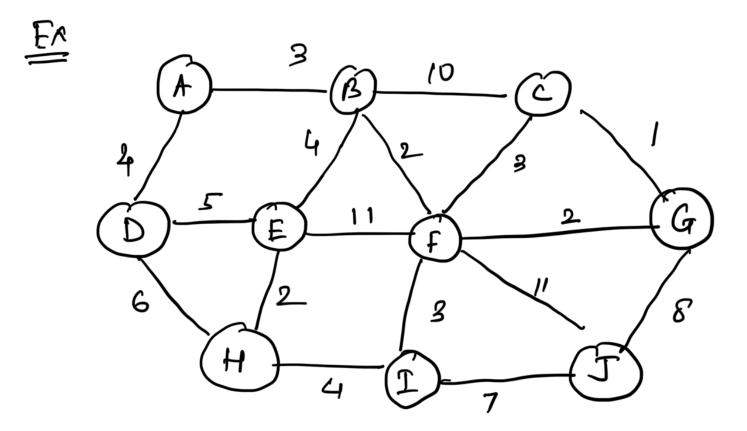


Ex Prims Algorithm



Total cost of min spanning Tree = 14

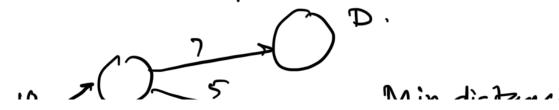
Z

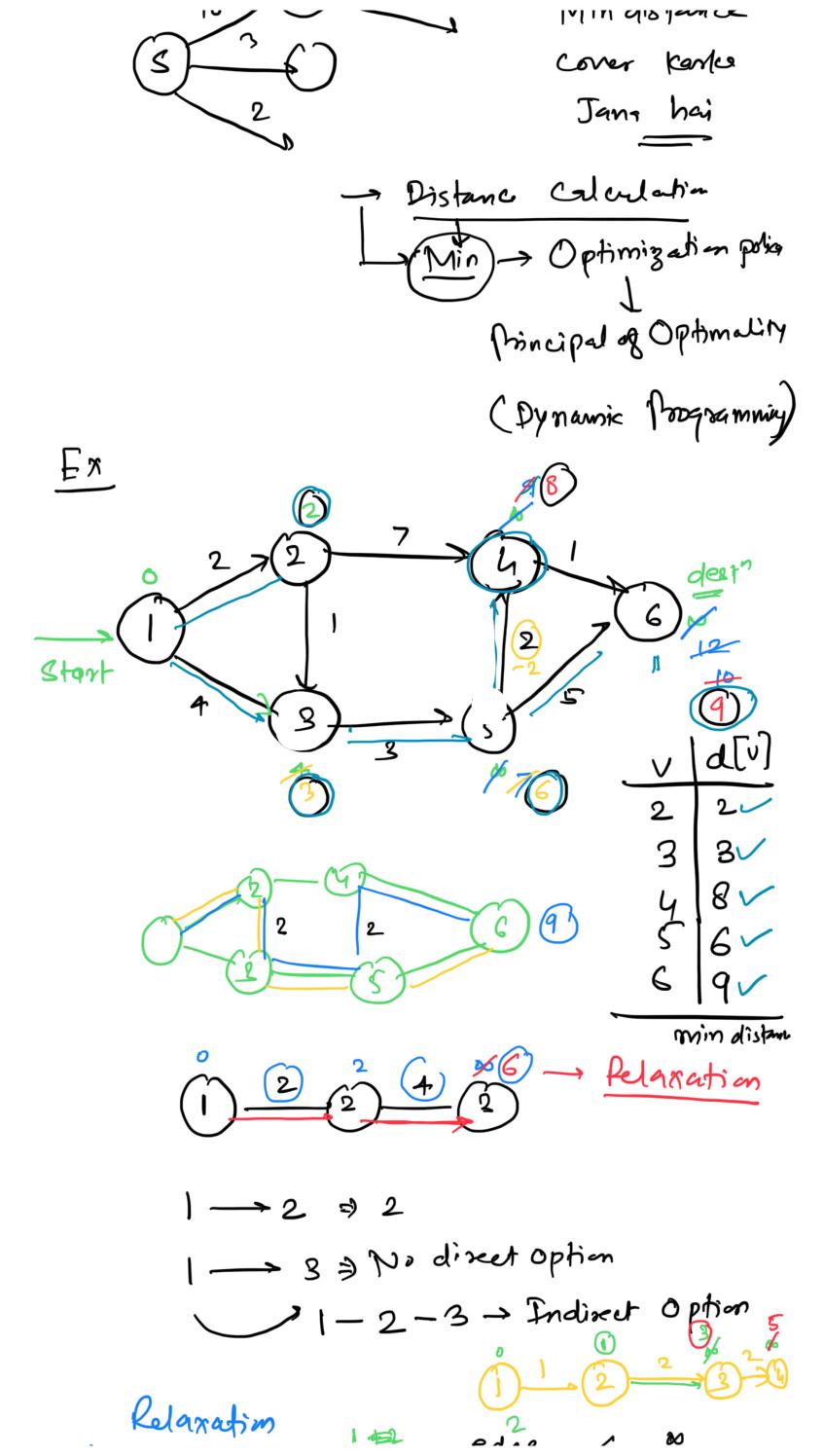


Kniehal & Poins Both min cost Spanning Tra

Shostest Path Algorithm

- Dijkstra's Algosithm





$$d[v] = d[u] + < [u,v]$$

Disadu > for Negative values Dijaeton Algo may work or may not work

Solution

Bellman Ford Algorithm

It work -ve value

Floyd- Warshall Algorithm

Time Complisity.

Average Wort
0(E 105/V1) 0(1V12) Diplostra -

Prins algusin - O(IEI log IVI) O(VI)

Bellman Ford > O(IEI.IVI) 0 (IE). [VI)

Floyd Warshau - O(VI)3 0(IV1)