## Tutoral-6

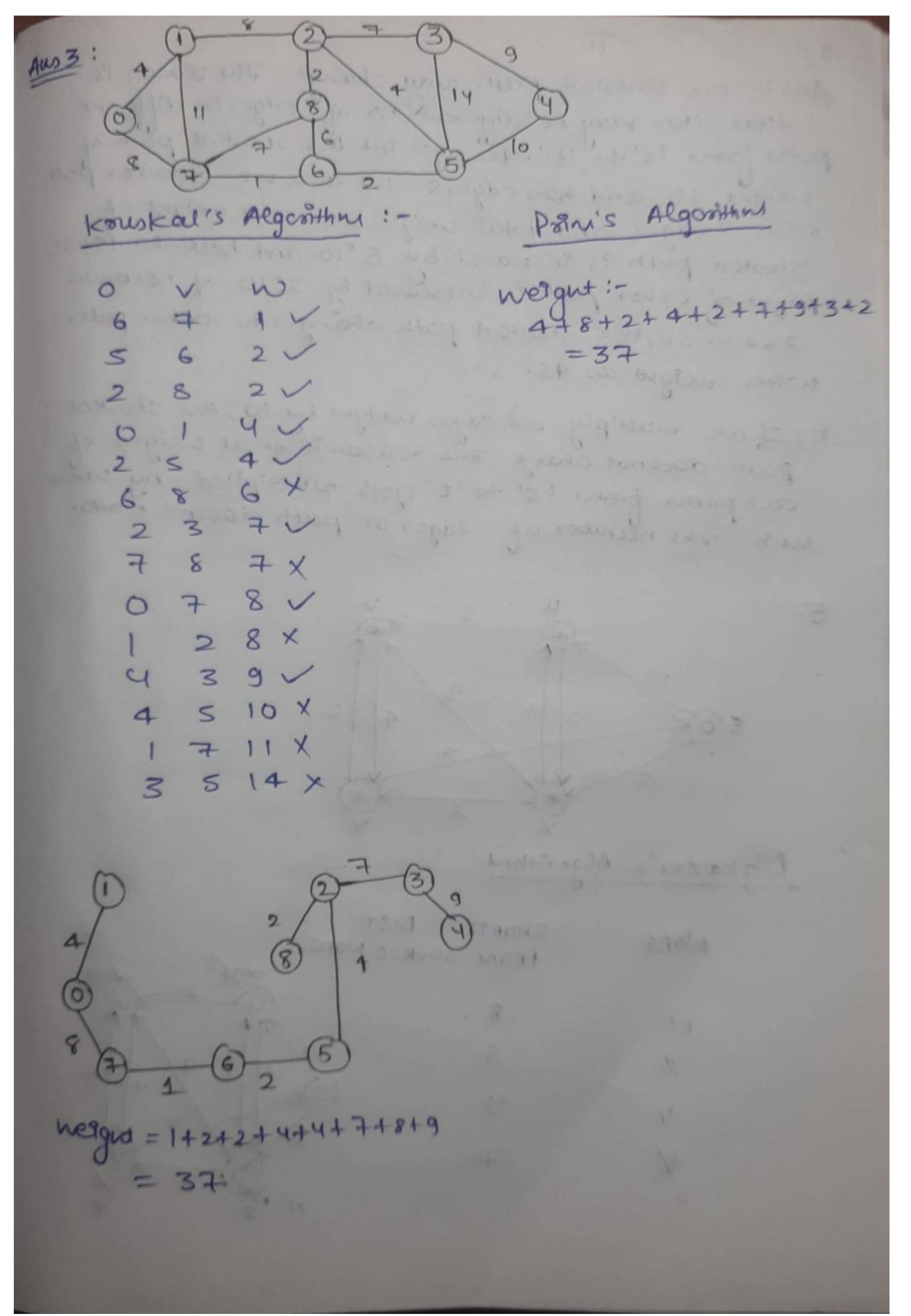
91. Ans. region a desired adjected graph that connects are the vestices together without any cycles of width Minimum possible edge neighted.

APPLICATIONS:

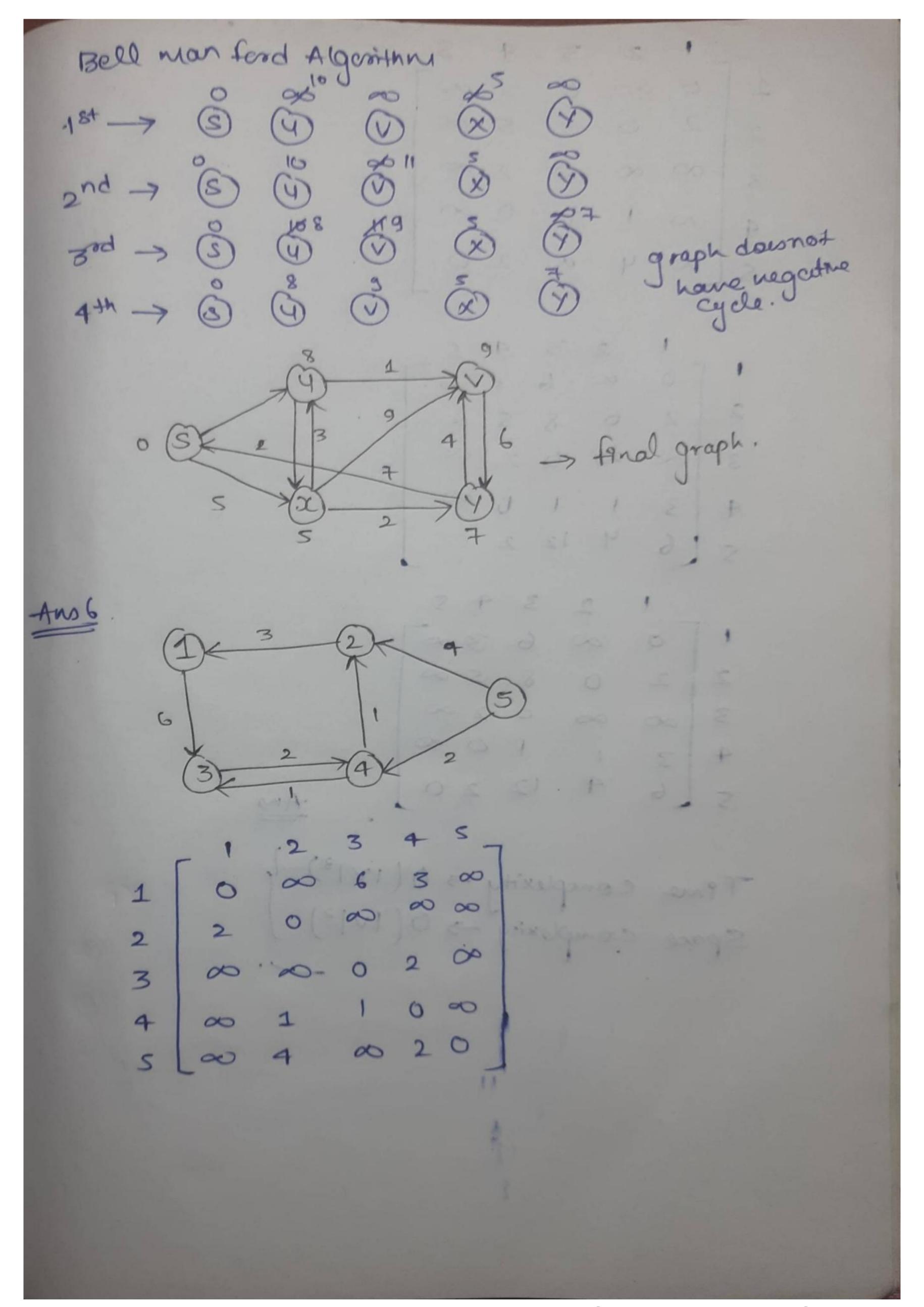
- ) consider n Stations ax to be linked using a Communication network and lying of communication link between any two Stations Involves a cost. The Ideal solution would be to extract a subgraph termed as nimmuni cost spanning tole.
  - 11) Designing LAN Ti) suppose you want to construct highways and rail wals spanning several caties, then we can use concept of MST.

9v) laying pipeline connecting offshore disting sites, références et consumer nionsket.

-Ausz: Time complexity of Pagnis Algorithm: b[181109 101) Space complexity of Prinis Algorithm: 0/1/ The complexity of Knuskal's Algorithm: 0/8/109/18/ space complexity of knusked's Algorithm: 0/11 Three complexity of Dijkstou's Algorithm: 0(v)2 Space complexity of Dijkstra's Algorithm: O(v2) Time complexity of Belleman Ford's Algorithm: O(vt) space complexity of Bellman Ford's Algorithm: O(E)



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True complexity > 0 (1v13) }
Space complexity > 0 (1v12)
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