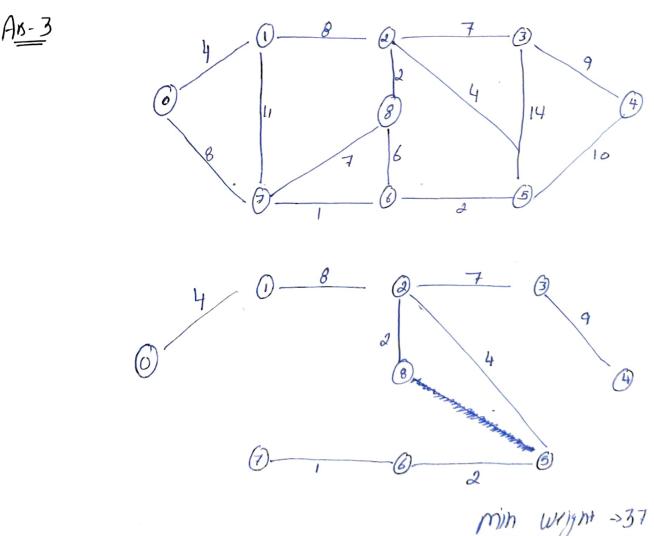
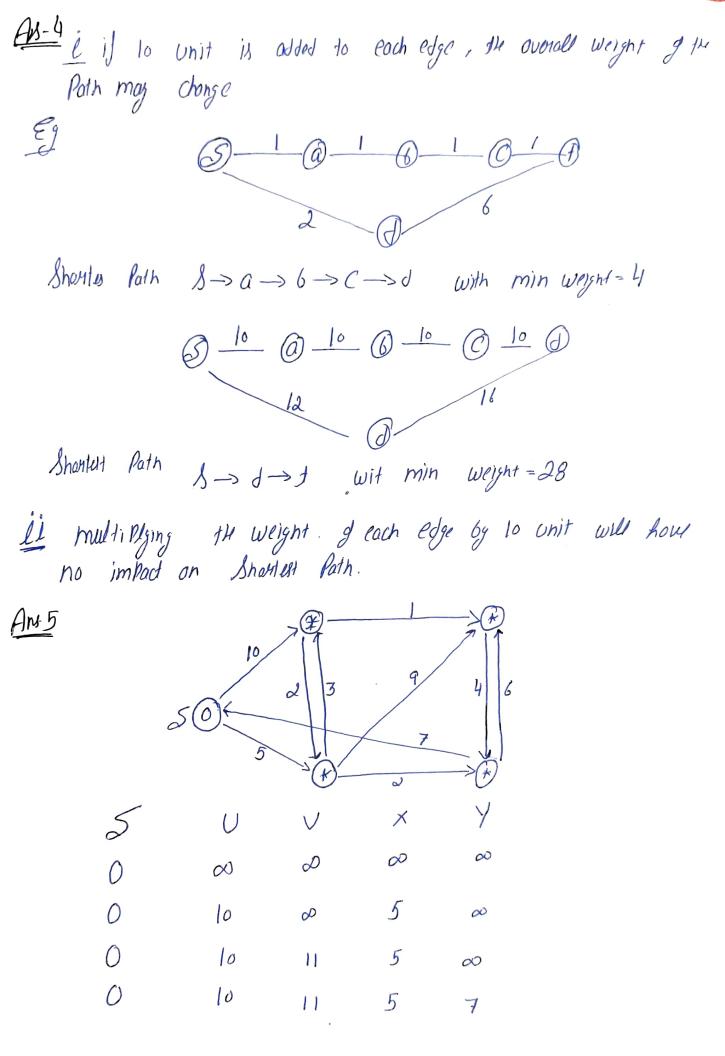
Au-1 Minimum Stonning Three

A Stonning Three of an undvacted groph is a subgroph that is a three and poined by all vertices one of those those which has minimum total cost would be its minimum stronning true.

The has direct approached in the design of notwork including to Computer notwork, telecommunication notwork, throwsport aton network of Au-2 Prim' also kruskad's also Dykastro also Belmon for also TC O(V2) O(E logV) O(V+ElogV) O(VE)

SC O(V+E) O(IEI+IVI) O(V2)





An-6 All Part Shortest Poth algorithim - Ilogd worshall

$$A^{\circ} = [0,3] = \infty$$

$$A_{2} = \begin{bmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 0 & 0 & 6 & 3 & \infty \\ 2 & 3 & 0 & 9 & 6 & \infty \\ 3 & \infty & \infty & 0 & 2 & \infty \\ 4 & \infty & 1 & 1 & 0 & \infty \\ 5 & 7 & 4 & 13 & 2 & 0 \end{bmatrix}$$

$$A_{3} = \begin{bmatrix} 1 & 2 & 3 & 4 & 5 \\ 0 & 0 & 6 & 3 & \infty \\ 2 & 3 & 0 & 9 & 6 & \infty \\ 3 & 0 & 0 & 2 & \infty \\ 4 & 0 & 1 & 1 & 0 & \infty \\ 5 & 7 & 4 & 13 & 2 & 0 \end{bmatrix}$$