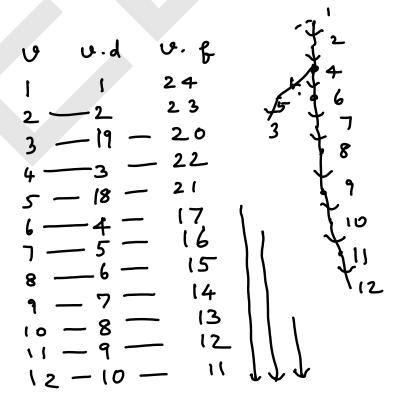
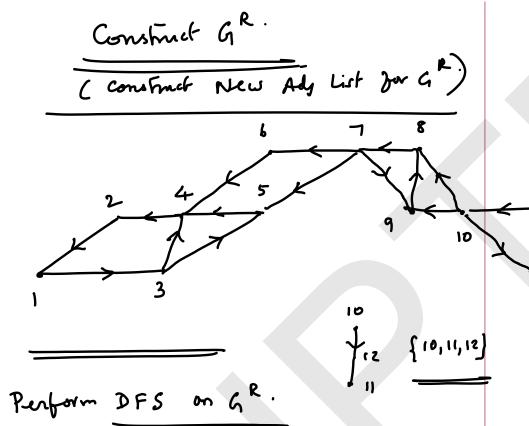


(1) RUN DES & Find 19 U.d & U.f. Tor every vertex U.





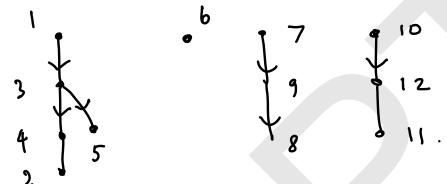


(Start always with an uninited value

win Max U.f)

The DFS on GR is now complete.

The DFS has generated a forest with of trees.



{1,3,4,2,5}, {6}, {7,9,8}, {10,12,1)

A SCC of G.

- 1) DFS on G & determine O. f. Dor all vEV.
- 2) Construct GR
- 3) DFS on G^R and generate re DFS forest. Each tree has vertices defining the vertices of SCC of G.

(In 3) we always start DFS unisited. From a vertex with highest $U \cdot f$).

