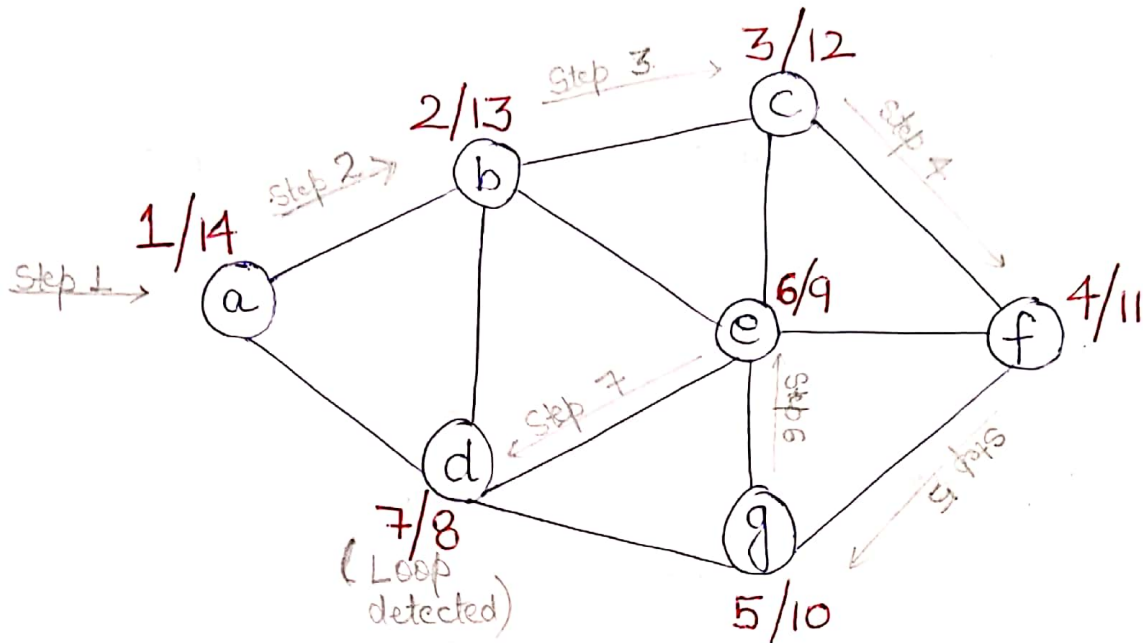


Q1

Undirected graph



[a, b, c, f, g, e, d] LOOP is in the graph.

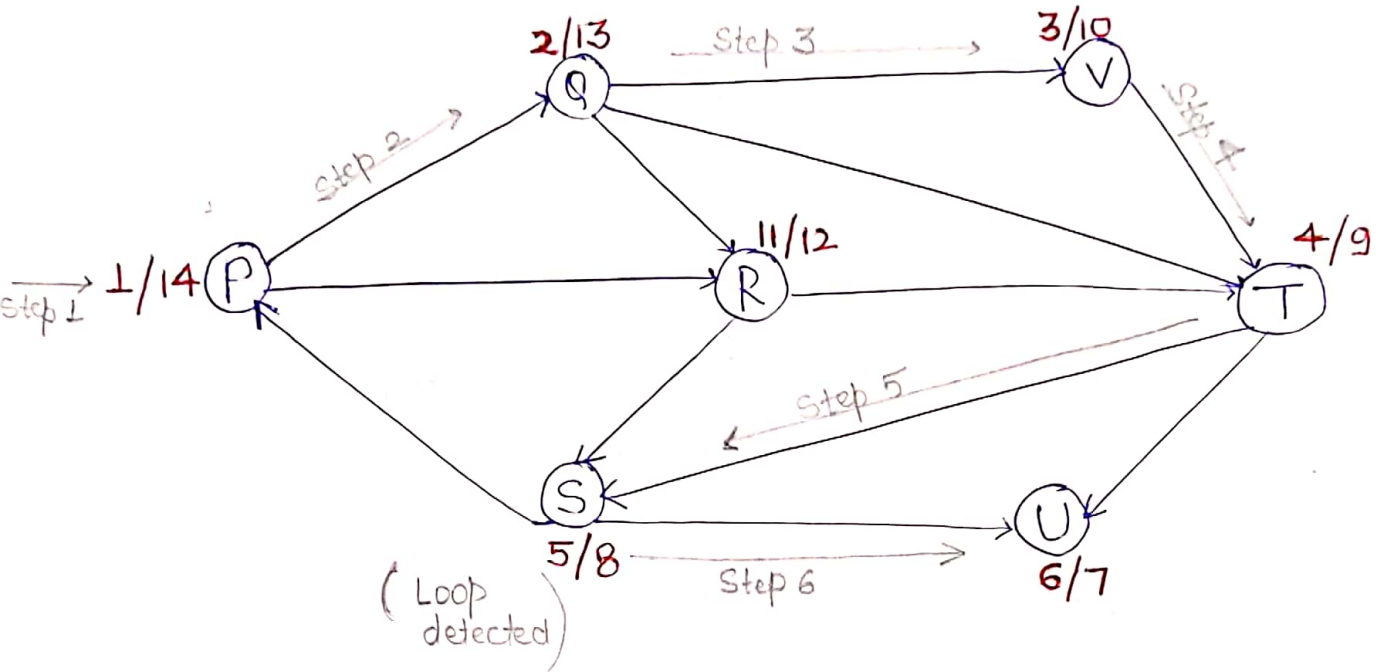
- ⇒ Node (d) is visited from (e) at time 7
- ⇒ From (d) we can go to (e), (g), (b), (a)
- ⇒ (e) was entered at time 6, but not departed.
- ⇒ (g) was entered at time 5, but not departed.
- ⇒ (b) was entered at time 2, but not departed.
- ⇒ (a) was entered at time 1, but not departed.



Conclusion → Loop

Q2

Directed graph



[P, Q, R, V, T, S, U]

LOOP is in the graph

⇒ Node S is visited from T at time 5.

⇒ From S, we can go to P and U

⇒ P was entered at time 1, but not departed so we go to U