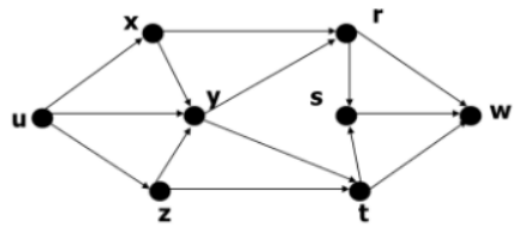# Depth First Search

63102105112 Akkarapon Phikulsri

| 1 | initial step |

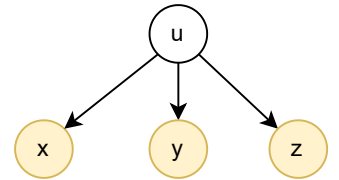Q: (u)   Visited : u

Depth First Search

| 2 | repeating step | Visited : u,x,y,z

Q: (x, u), (y, u), (z, u)

Depth First Search

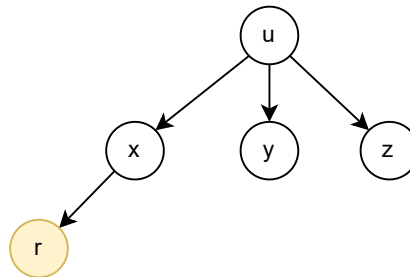
| 2 | repeating step |

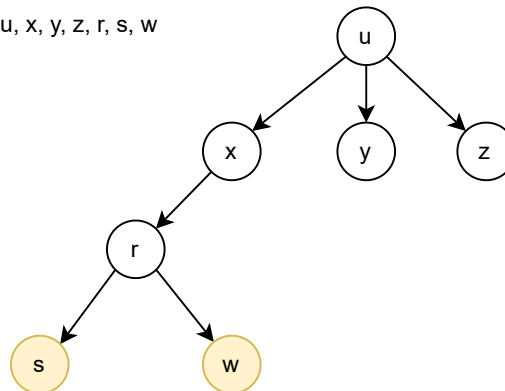Q: (r, x, u), (y, u), (z, u)

Visited : u, x, y, z, r

Depth First Search

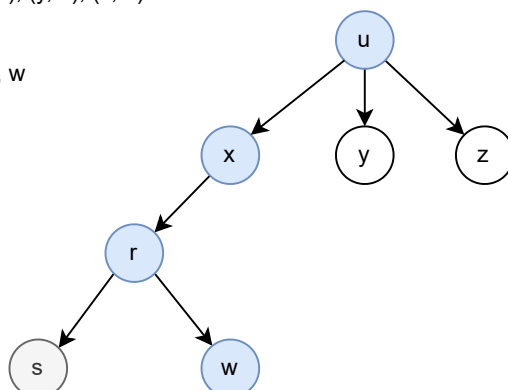| 3 | repeating step | Visited : u, x, y, z, r, s, w

Q: (s, r, x, u), (w, r, x, u), (y, u), (z, u)

Depth First Search

Q: (s, r, x, u), (w, r, x, u), (y, u), (z, u)

Visited : u, x, y, z, r, s, w

Depth First Search

	Q	V
1	(u)	u
2	(x, u), (y, u) (z, u), (u)	u, x, y, z
3	(r, x, u), (x, u), (y, u) (z, u), (u)	u, x, y, z, r
4	(w, r, x, u), (s, r, x, u), (r, x, u), (x, u), (y, u) (z, u), (u)	u, x, y, z, r, w
	(w, r, x, u)	u, x, y, z, r, w

Depth First Search