

I ILLINOIS

Disjoint Set Review

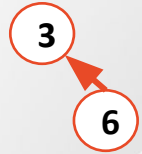
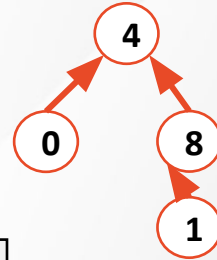
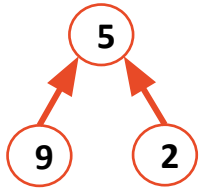
UpTree Representation

2 5 9

7

0 1 4 8

3 6

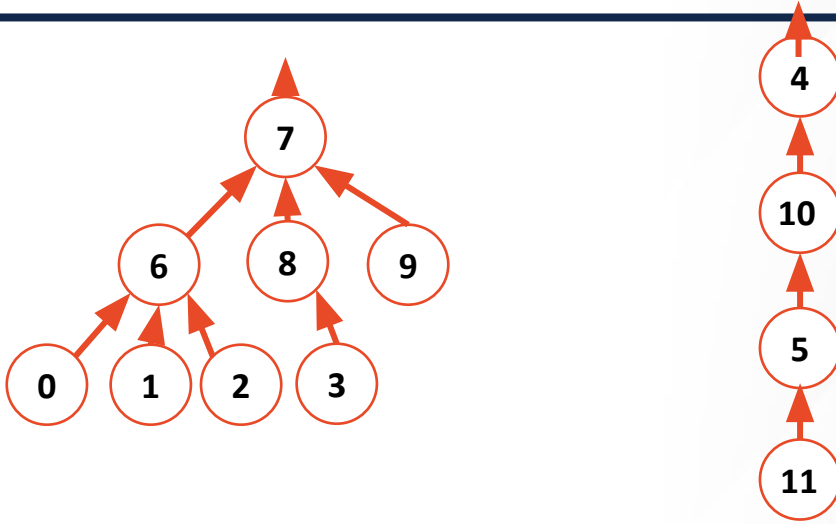


0	1	2	3	4	5	6	7	8	9

- 1.
- 2.



Union by Size

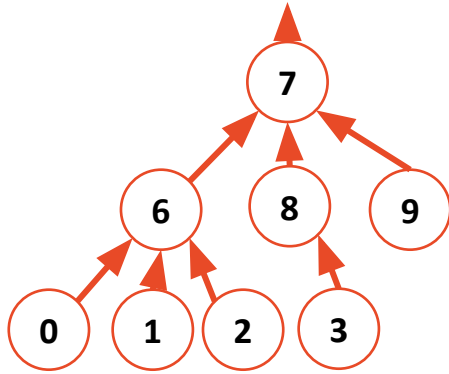


0	1	2	3	4	5	6	7	8	9	10	11
6	6	6	8		10	7		7	7	4	5

Union by Size: Minimize the number of nodes that increase in height



Union by Height



0	1	2	3	4	5	6	7	8	9	10	11
6	6	6	8		10	7		7	7	4	5

Union by Height: Minimize the height of the tree

