

Data structure:

Integer array `id[]` of size `N`.

Interpretation: `id[i]` is parent of `i`.

Root of `i` is `id[id[id[...id[i]...]]]`.

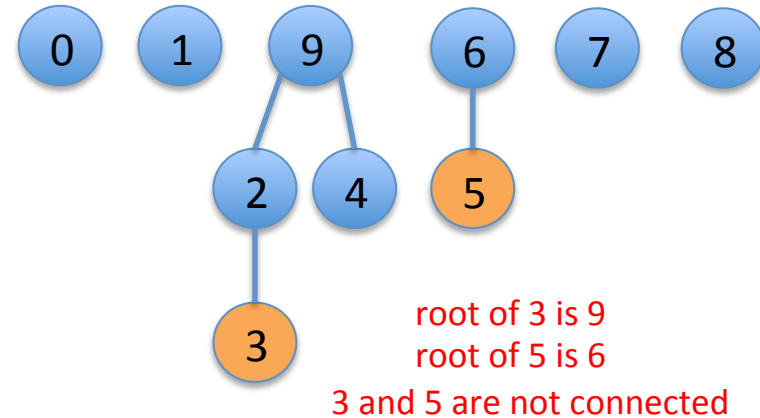
	0	1	2	3	4	5	6	7	8	9
id[]	0	1	9	2	9	6	6	7	8	9

Connected: Check if `i` and `j` have the same root.

Union: To merge components containing `i` and `j` set the `id` of `i`'s root to the `id` of `j`'s root.

	0	1	2	3	4	5	6	7	8	9
id[]	0	1	9	4	9	6	6	7	8	6

`Connected(3, 5) = false.`



`Union(3, 5).`

