

# DAY2 - HW1

## Quick-Union Demo

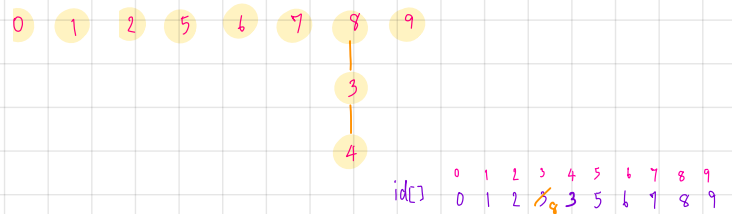
0 1 2 3 4 5 6 7 8 9 id[] 0 1 2 3 4 5 6 7 8 9

① union(4,3), union(3,8), union(6,5), Union(9,4), union(2,1),  
connected(8,9), connected(5,4), union(5,0), union(9,2), union(6,1), union(7,3)

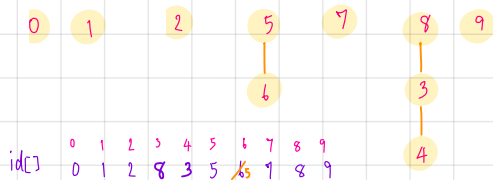
union(4,3)



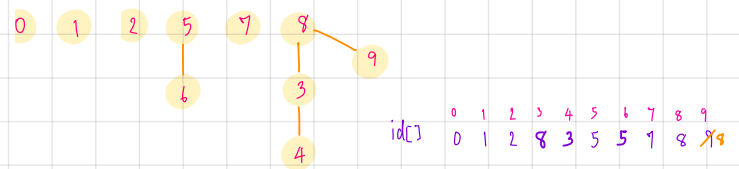
union(3,8)



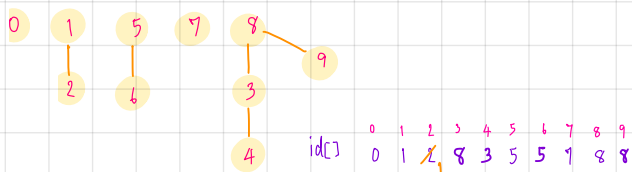
union(6,5)



Union(9,4)

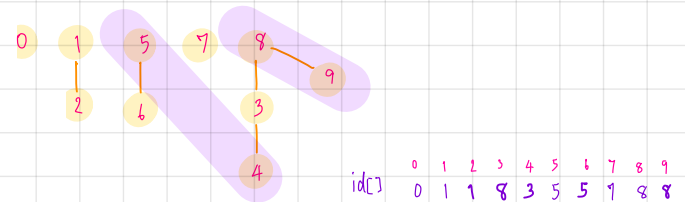


union(2,1)

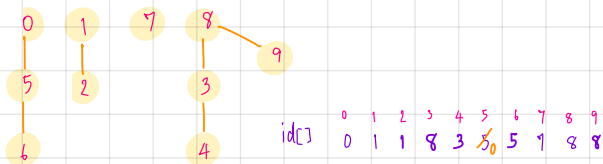


connected(8,9) ✓

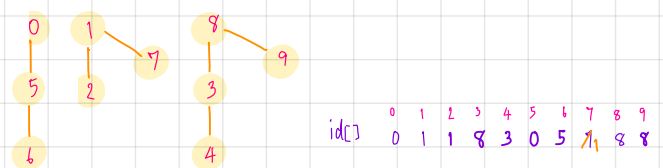
connected(5,4) ✗



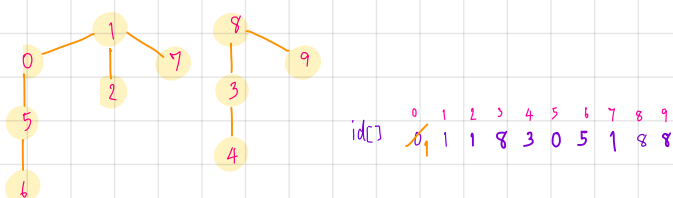
Union(5,0)



union(7,2)



union(6,1)



Union(9,3)

