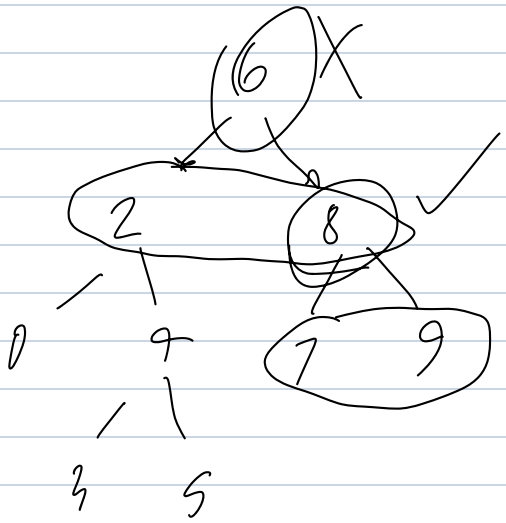
LCA



p = 2, q = 8

6 is only common ancestor

⇒ 6

p = 7, q = 7

8 is common of is common

8 is lowest

p = 7, q = 6

if p and q { 6 → look left tree

if p and q > 6 → look at right tree

if p < 6 and q > 8 → 6 is LCA

what if p or q is 6? → 6 is LCA (q = 6, p: 2)

6 is ancestor of itself and 2

time O(logn) → height of tree

space O(1)