

Q-2

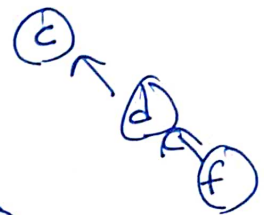
(a, c, 5) (b, c, 4) (c, e, 6) (c, f, 3) (d, 2)  
(d, f, 1)

1      (a) (b) (c) (d) (e) (f)

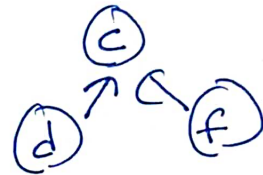
(d, f, 1)  $\Rightarrow$  find(d) = d    find(f) = f    union



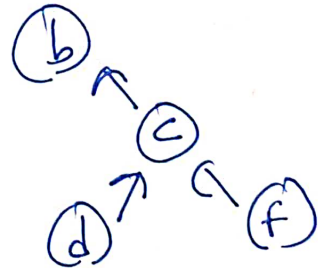
(c, d, 2)  $\Rightarrow$  find(d) = d    find(c) = c



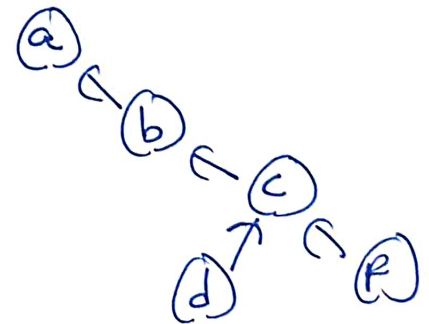
(c, f, 3)  $\Rightarrow$  find(c) = c = find(f)  
Don't include



(b, c, 4)    find(b) = b    find(c) = c



(a, c, 5)    find(a) = a    find(c) = b



(c, e, 6)    find(c) = a    find(e) = e

