1 Disjoint Set



- 1. Without compression Show the result of :
 - (a) find(g)
 - (b) find(a)
 - (c) find(y)
- 2. With compression, show the result and the final graph for each find. Assume each find starts with a fresh graph above.
 - (a) find(q)
 - (b) find(s)
 - (c) find(f)
- 3. With compression and quick union, perform union and show the final graph for each union. Assume each find starts with a fresh graph above.
 - (a) union(f, c)
 - (b) union(y, e)
 - (c) union(q, d)
- 4. With compression and quick union, write a pseudo-code for union(q, e).