## Sample DISJOINTED SETS Set 3 (cycle) Set 3 (simple)

## Challenge Disjointed Sets

## Steps

- 1 dsunion (0,1)
- (1) i\_had\_cycle = query-cycle(0)

  find\_leader(0)

  leader(0) < 0? yes

  return has\_cycle(0) raise

  False
- 3 j-had-cycle = query-cycle (1) same as above
- (F) root\_i = find\_leader (0) leader (0) < 0? yes
- 5 root\_j = find\_leader(1)
  same as above
  root\_j = 1
- (00+-i(0) = root-i(1)

