Disjoint Sets Exercise:  
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.S1 = {1, 2, 3}

S2 = {11, 12, 13}

S3 = {a, b, c}

S4 = {c, d, e}

1a.Yes, it is a disjoint set because the two sets have different member

1b.No, because one of the member of S3{c} is the same with one of the member of S4{c}.

S5 = {17, 15, 12, 18, 20}

S6 = {27, 17, 22, 15, 25}

S7 = {22, 18, 25, 12, 17}

2a.UNION of S5 and S6

S8={12,15,17,18,20,22,25,27}

2b.INTERSECTION of S5, S6 and S7

S9 = {17}

3.This is a cycle

Vertex(total node)=8

Setiap node parentnya adalah diri sendiri, jika parent(representasi set) node a dan b saling berbeda maka lakukan union, oleh sebab itu parent node b akan jadi node a. Namun jika 2 set punya parent/representative yang sama maka engga perlu disambungin lagi dan merupakan sebuah cycle.