

Graph traversal:

BFS

{ 'a' : ['b' , 'c'],

'b' : ['c' , 'd'],

'c' : ['d'],

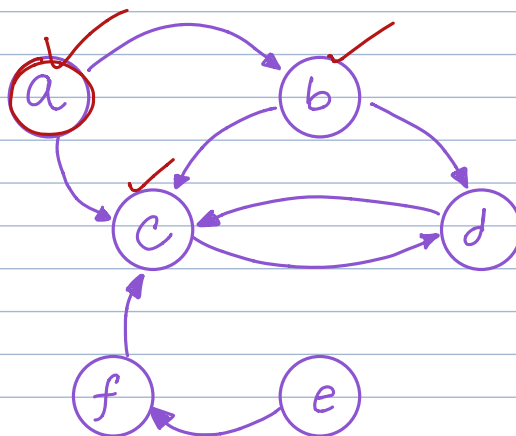
'd' : ['c'],

'e' : ['f'],

'f' : ['c']

}

[a, b, c, d]



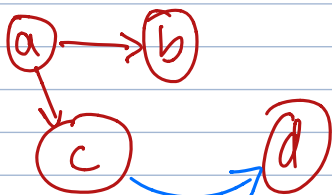
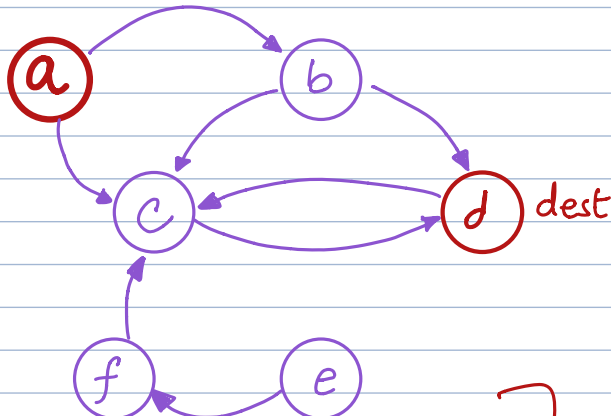
q = ['a']

loop:

current

check if 'a' is already visited
continue.

src



[a, b, d]

find (a, d)

find (a , b)

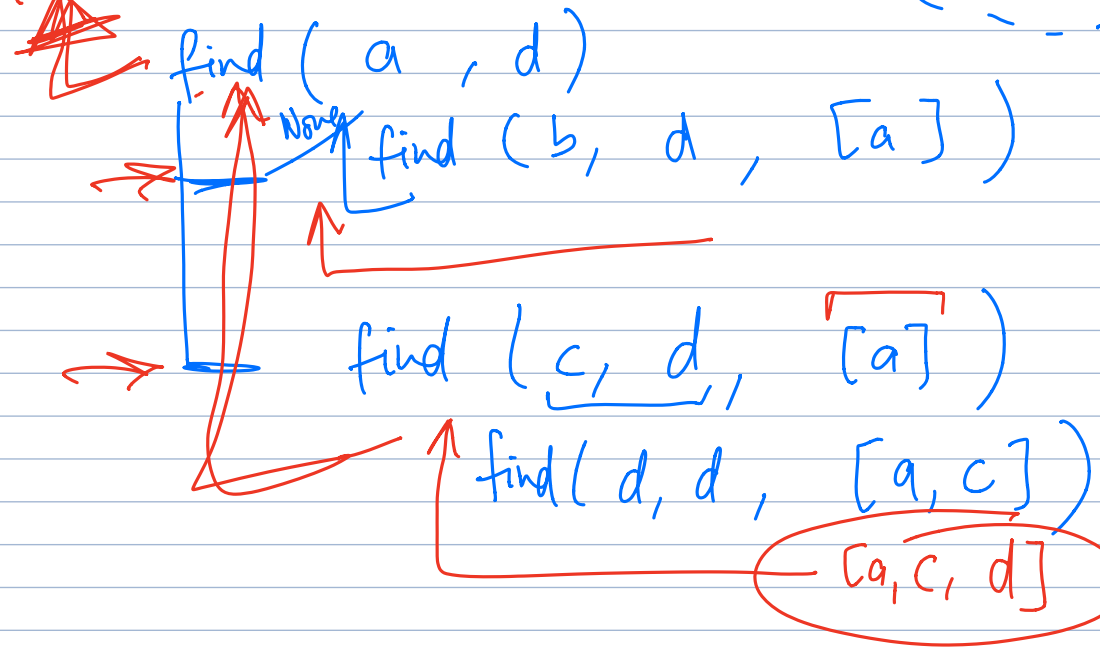
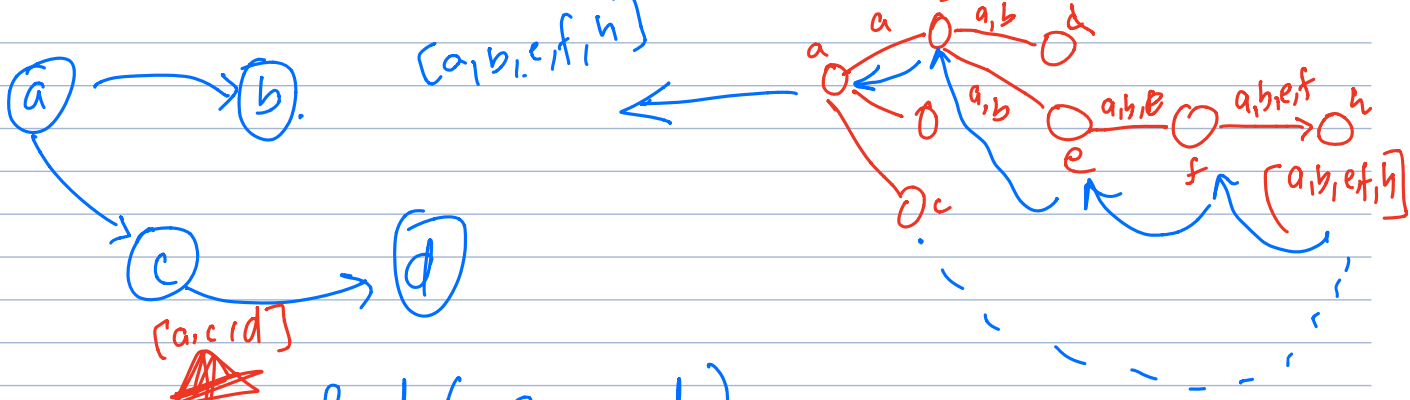
find (b, b) → [b]

[a, b]

find (b, d , [a])

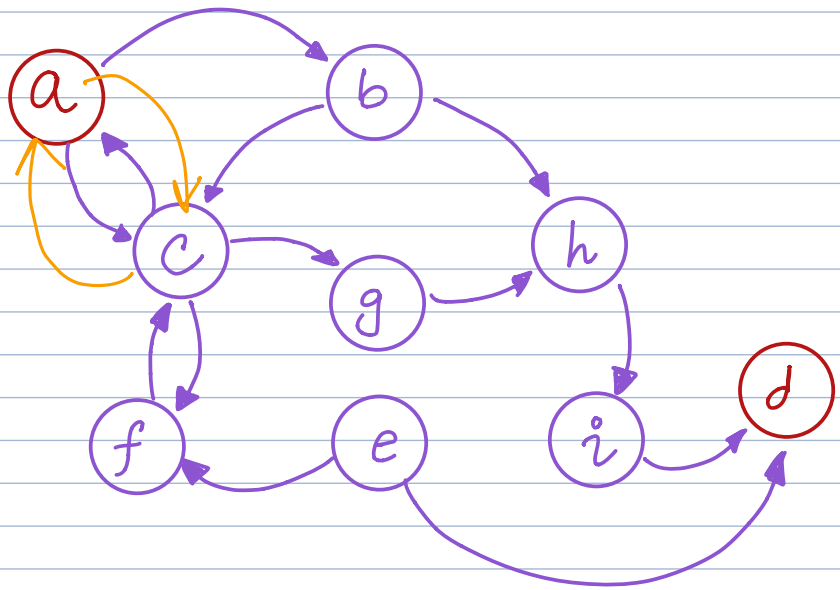
find (d, d , [a, b])

[a, b, d]



a : [c, b]

c : [a, g, f]



[a, c, g, h, i, d]

find(a, d, [])

find(c, d, [a])

~~now~~ find(a, d, [a, c])

None

find(g, d, [a, c])

find(h, d, [a, c, g])

find(i, d, [a, c, g, h])

find(d, d, [a, c, g, h, i])

[a, c, g, h, i, d]