


oHW output:

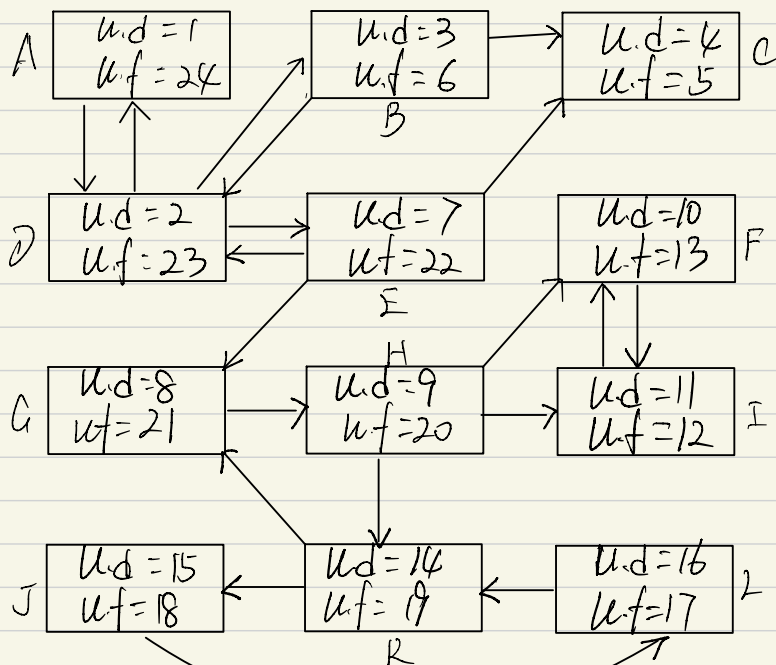
BFS output:

0 1 2 3 5 4 7 6

DFS output:

0
1
2
5
7
3
4
6
8
9

1
a) DFS A-2



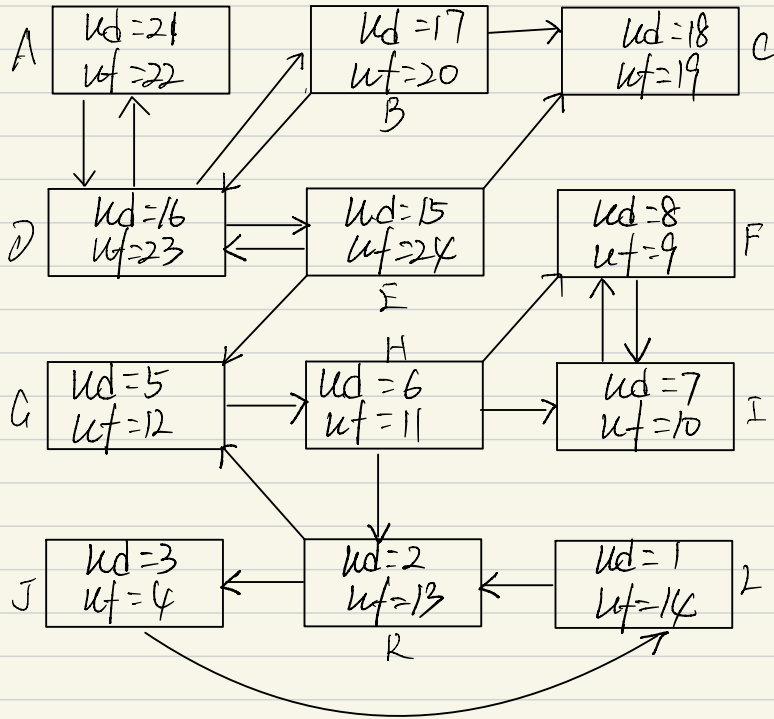
Tree: AD, BC, DB, GH, HE, FI, HK, KJ, JL

Back edge: BD, DA, ED, EF, KG, LK

Forward Edge: GE, EC

Cross Edge: FC

b) L-A



Tree Edge: LK, KJ, KG, GH, HI, IF, ED, DB, DC, DA

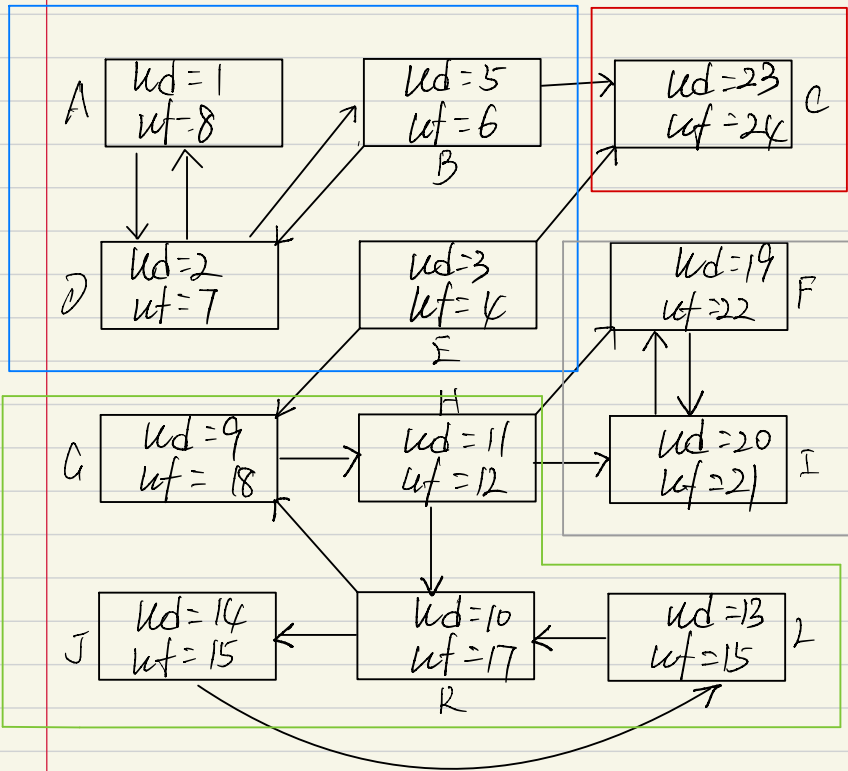
Back Edge: AD, BD, DE, FI, HK, JL

Forward Edge: HF, EC

Gross Edge: EG

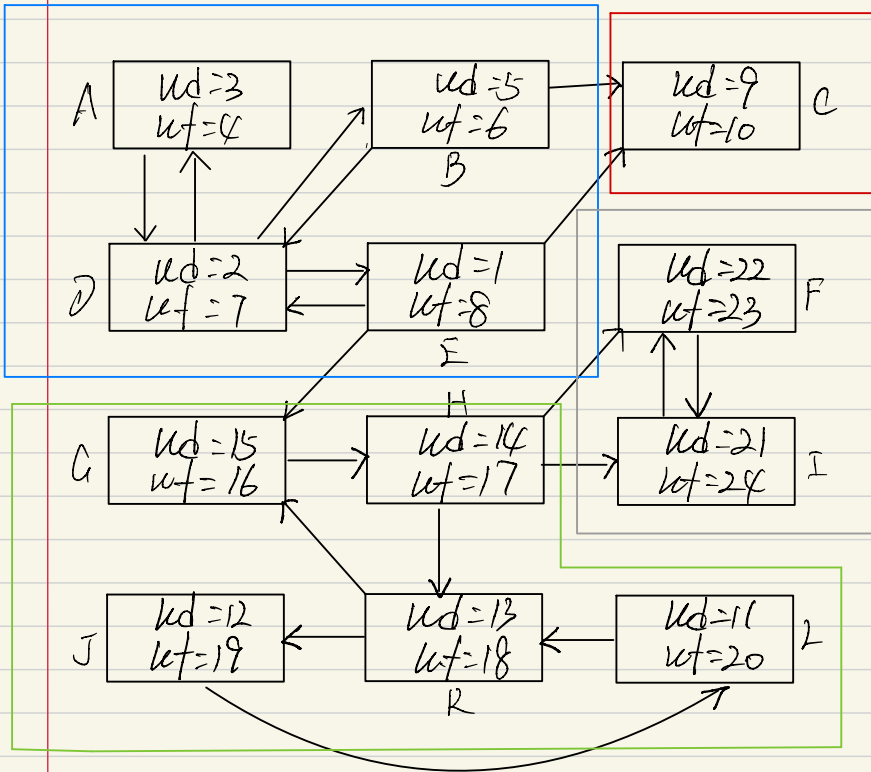
c)

SCC



- SCC1: A B D E
- SCC2: C
- SCC3: F I
- SCC4: G H J K L

d)



- SCC1: A B D E
- SCC2: C
- SCC3: F I
- SCC4: G H K J L