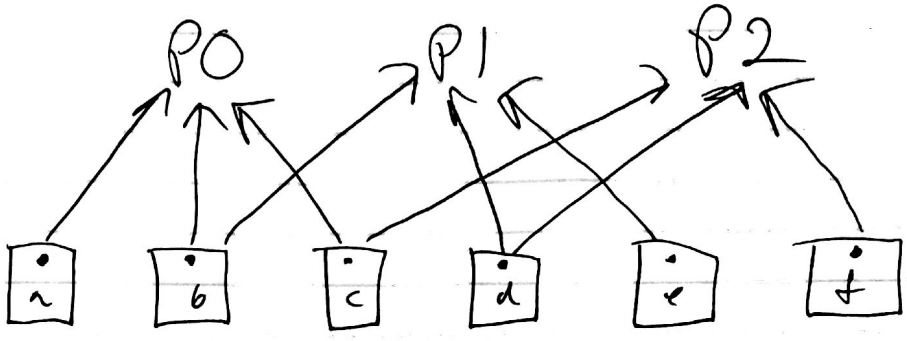
OS HW 6

6.6

a.



b.

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6.5

Max Claim:
Each process provides a max for all over claim

Need Matrix = Max - Alloc

a) Check Avail
total = alloc + Avail

	Alloc A	B	C	D	Max A	B	C	D	Need = Max - Alloc A	B	C	D
P0	2	0	2	1	9	5	5	5	7	5	3	4
P1	0	1	1	1	2	2	3	3	2	1	2	2
P2	4	1	0	2	7	5	4	4	3	4	4	2
P3	1	0	0	1	3	3	3	2	2	3	3	1
P4	1	1	0	0	5	2	2	1	4	1	2	1
P5	1	0	1	1	4	4	4	4	3	4	3	3

Total A B C D
6 3 5 4

Avail A B C D
6 4 6 5
P1 5 6 7
P2 11 5 6 8
P3 12 6 6 8
P4 13 6 7 9
P5 15 6 9 10
P0

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6.11

	Curr Alloc A	Max Claim A	Need: Max - Alloc A
P1	45	70	25
P2	40	60	20
P3	15	60	45
			35
a) P4	25	60	~~Avail = 150~~
b) P4	35	60	25

a)

Avail = 150

P1	195
P2	235
P3	250
P4	275

b)

Avail = 150

P1	195
P2	235
P3	250
P4	285