2 heming son CS 350 HW8 milesung bu edu 4. a Resource should be (9,5,6) Claim matrix Allecation motive R1 R2 R3 R1 R2 R3 P₁ 7 5 3 P₁ 0 1 0 P₂ 3 2 2 P₂ 2 0 1 0 P₃ 9 0 2 P₃ 3 0 P₄ 2 1 P5 4 3 3 P5 0 0 Still Need Matrix = CM-AM We add extra mimum V avalability to make sup P3 6 0 0 the process can be 0 P5 4 3 Avaiable = (010,0) 4 Available + (0,1,1) & Sate path! give PA (0,1,1) 4,2,2)+(0,1,0) gle P2 (1,2,2) 9 in P5 (4.3.1) 4, 3, 4) + (2,0,0) 9,3,6)+(0,1,0 give P3 (6,0,0) 9, 5, 6) give P, (7,4,3)

No more process

final Available

19.5.6

b. In (10,5.7)
Available (10-7, 5-2, 7-5)=(3,3,2)
Safe path 1 Avadorble
grant P2 (1.0,2) (2,3.0)
P2 finish grant P2 (0,20) (2,1,0)+P2 (5,3,2)
Patinish grant P4(0,1,1) (5,2,1)+P4=(7,4,3)
Psfinish grant P5 (4,3,1) (3,1,2)+P5=(7,4,5)
P, finish grant P, (7, 4, 3) (0, 0,2) +P, = (7,5,5)
P3 finish grant P3 (6,0,0) [(1,5,5)+13=(10,5,7)]
Original claim
From the safe path he can get all
resorces back and finish all process.
from part b.
C. granted path Available (2.3.0)
P1(0,2,0) (2,1,0)
Allocation matrix Still head matrix.
R1 R2 R3 1 1 R1 R2 R3
P1 0 3 0 P1 7 2 3
P2 3 0 2 P2 0 2 0
P2 3 0 2 P3 6 0 0
P4 2 1 1 P4 6 1
P5 0 0 2 P5 4 3 1
No, It is not safe grant P, (0,2,0)
because it we do so, we cannot finish
any processes which lead to dead lock.
W. T. J. W. W. C.