5 Processes Po through P4; # 3 resources types: A (10 instances), B (5 instances) C(7 instances) At time To: Allocation Max c 7:53 A . B . C Available 0 1 0 Po 332 3 2 2 2 0 0 PI 902 3 0 2 Pa 2 2 2 2 1 1 P3 433 0 0 2 P4 725 Need = Max - Allocation => · Po 743 Bankers Algorithm's Work = available P, 122 Need & Work (available) P2 600 Work = Work + Allocation. P3 0 11 P4 431 743 < 332 X 122 < 332 V Wark=332+200= 532 P2 => 600 532 X P3 => 011 < 532 W Work = 532+211 = 743 Work= 743+002=745 P4 ⇒ 431 ≤ 743 V 743 < 745 L WOM = 745+010=755 Po => P2=7 600 = 755 V WON = 755+302=1057

Sate Sequence => P1, P3, P4, Po, P2