## **Deadlock Avoidance**

The Banker's Algorithm for a Single Resource

The banker's algorithm considers each request as it occurs, and sees if granting it leads to a safe state.

	Has	Max
А	0	6
В	0	5
С	0	4
D	0	7

Free:	10
(a)	

	Has	Max	
Α	1	6	
В	1	5	
С	2	4	
D	4	7	

Free:	2
(b)	



Free: 1

(c)

unsafe  $\neq$  deadlock