

## Circular Wait

## Make a TOSET out of resources

Deadlock Avoidance [Republis a priori into]

System is in safe state if there exists a sequence  $P_1$ ,  $P_2$ , of State:

...,  $P_n$  of ALL the processes in the systems such that for each  $P_i$ , the resources that  $P_i$  can still request can be satisfied by currently available resources + resources hold by all the  $P_i$ , with j < I

Vafe, Unsafe, Deadlock State

Ensue < Unack Deadlock System never reachishere Safe

Sigle instance type Kesonce allocation

Pultiple instances => Bankers algorithm

Resource Allocation Graph Scheme Claim Edge: Pi R; (may represt) = resource to () Represt edge - ) assignment edge - ) released

