



















Approach 2: Detection and Recovery

• Need a method to determine if a system is deadlocked.

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 Assuming deadlocked is detected, we need a method of recovery to restore progress to the system.

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Attacking the Hold and Wait Condition

- · Require processes to request resources before starting - a process never has to wait for what it needs
- Issues
 - may not know required resources at start of run
 - ⇒ not always possible
 - also ties up resources other processes could be using
- Variations:
 - process must give up all resources if it would block hold a resource
 - then request all immediately needed - prone to starvation
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