

Deadlock

CS 537 - Introduction to Operating Systems

Defining Deadlock

- Deadlock is a situation where 2 or more processes are unable to proceed because they are waiting for shared resources.
- Three necessary conditions for deadlock
 - able to hold more than one resource at a time
 - unwilling to give up resources
 - cycle
- Break any one of these three conditions and deadlock is avoided

Example

- Imagine 4 cars at an intersection

