

A Major Class of Deadlocks Involve Resources

Processes need access to resources in reasonable order

Suppose...

- ▶ a process holds resource A and requests resource B. At same time,
- ▶ another process holds B and requests A

Both are blocked and remain so

Examples of computer resources

- ▶ printers
- ▶ memory space
- ▶ data (e.g. a locked record in a DB)
- ▶ semaphores