

Attacking the Hold and Wait Condition

Must guarantee that whenever a process requests a resource, it does not hold any other resources.

Try: the processes must request all their resources before starting execution

if everything is available
then can run
if one or more resources are busy
then nothing will be allocated (just wait)

Problem:

- ▶ many processes don't know what they will need before running
- ▶ Low resource utilization; starvation possible