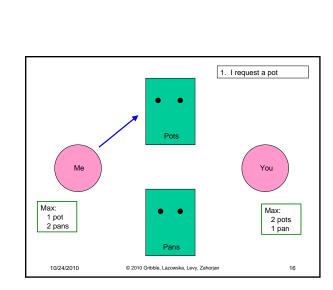
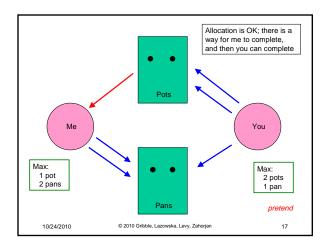


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Avoidance: Banker's Algorithm example

The set of controlled resources is known to the systemThe number of units of each resource is known to the

- Each application must declare its maximum possible

requirement of each resource type

When a request is made
pretend you granted it

• can the graph be reduced?

• Then, the system can do the following:

then try pretending again

pretend all other legal requests were made

- if so, allocate the requested resource

- if not, block the thread until some thread releases resources, and

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• Background

system

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