**JAROS**

**Temporary Commands Manual**

**Group 3**

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**Summary of Temporary Commands**

block -- block a PCB

unblock -- place a specified process in a READY state; its SUSPENDED status is not be changed

ldprocs -- load five, pre-defined processes

dispat -- identify the next READY process, if any, and load its context from its PCB

cpcb -- create a new PCB

dpcb -- delete a PCB

**Detailed Descriptions of Temporary Commands**

NAME

block -- block a PCB

SYNOPSIS

block

Please Enter the Name of the Process to be Blocked: NAME

DESCRIPTION

The block command moves the specified PCB from the READY to BLOCKED queue.

NAME

cpcb -- create a new PCB

SYNOPSIS

cpcb

Please Enter the Name of the Process to be Created: NAME

Please Enter the Class of the Process to be Created: CLASS

Please Enter the Priority of the Process to be Created: PRIORITY

DESCRIPTION

The cpcb command allocates and setups a new PCB. By default, the process is initially in the READY state.

NAME

dispat -- identify the next READY process, if any, and load its context from its PCB

SYNOPSIS

\*\*\*NONE\*\*\*

DESCRIPTION

The dispat command identifies the next READY process, if any, and dispatches it by loading its context from its PCB. Assuming that a PCB is found in the ready queue, the dispatcher must perform the following steps:

1. Remove the first PCB from the READY queue.

2. Set a pointer to this PCB identifying it as the RUNNING process.

3. Copy the stack pointer from this PCB to the actual SP to prepare for context restoration.

NAME

dpcb -- delete a PCB

SYNOPSIS

dpcb

Please Enter the Name of the Process to Delete: NAME

DESCRIPTION

The dpcb command deallocates an existing PCB.

NAME

ldprocs -- load five, pre-defined processes

SYNOPSIS

\*\*\*NONE\*\*\*

DESCRIPTION

The ldprocs loads 5, pre-defined processes for testing purposes.