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Identification

The Ready List
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Purpose

The ready list is a data base listing the processes which are ready to run. The scheduler (see BJ.4.00) places a process into the ready list in the place appropriate for it. The dispatcher (see BJ.4.02) selects for running that process which is at the top of the ready list. Quit (see BJ.3.03) will remove a process from the ready list, if it is called on behalf of a ready process. Finally, swap_dbr (see BJ.5.01) actually removes from the head of the ready list the process about to execute.

Multics will use initially a very simple scheduler which will be replaced later by a more sophisticated one. The later scheduler will require that the ready list be modified. It is the intent that this document describe the eventual ready list rather than the initial one and that the initial ready list be described in BJ.4.05. However, at the present time the requirements of the second scheduler are not yet known, so readers interested in the ready list should see BJ.4.05.