(1) there is an empty user core, or

(2) the swapping drum is not busy and has
     a free field, or

(3) the Fastrand is not being used for a
     swap and has a free field.

Programs which are already in core are not considered to be either
accessible or inaccessible.

Programs are separated into three distinct groups on the basis of
status. Programs which need computing (central processor) time
are in _runnable_ status. For these programs, the queues are suf-
ficient to determine allocation of time. Some programs, however,
are waiting for the completion of a noncomputational event; the
event may be input or output to a Teletype or other peripheral
device, use of the I-O Processor (IOP), the passage of a predeter-
mined amount of time, etc. These programs are in _hung_ status but
will return to runnable status as soon as the necessary event is
completed. The third status, called _wanted_, includes programs
which require special attention because

(1) the user has typed the function BREAK at his
     Teletype, demanding suspension of his program,
     or

(2) the program is wanted for examination by the
     Executive debugging system, or

(3) the program has been hung, waiting for its
     turn to use the IOP and the IOP is now ready
     for it.

Finally, on the basis of queue level and location, the Swapper