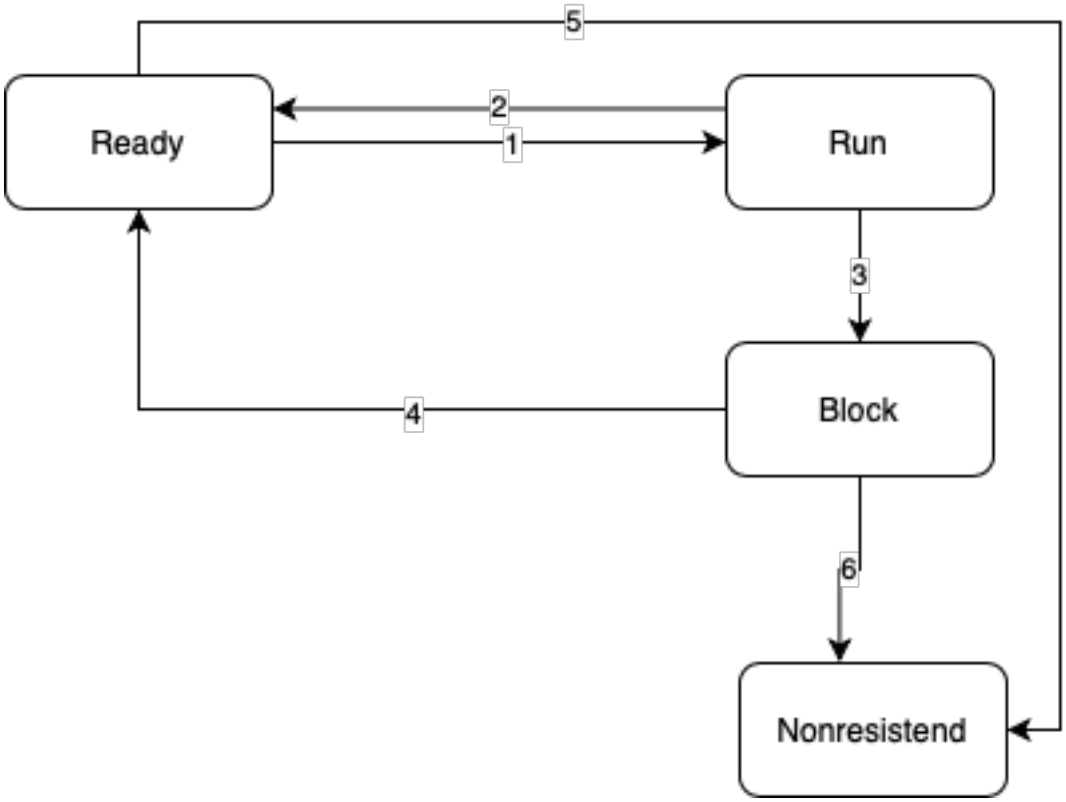
LABORATORY WORK 7
BAQATAY AQZHOL



	READY	RUN	BLOCKED	NONRESIDENT
READY	–	1	–	5
RUN	2	–	3	–
BLOCKED	4	–	–	6

READY to RUN
occurs only if a process is allocated the CPU. This is the job of the scheduler or dispatcher

RUN to READY
can be caused by a time-quantum expiration (running process has reached the maximum allowable time for uninterrupted execution).

RUN to BLOCKED

can occur if there is a request from the operating systems process, or I/O or other kernel request.

BLOCKED to READY
occurs if the awaited event completes the event it is been waiting for (perhaps I/O completion).

READY to NONRESIDENT
occurs if memory is overcommitted, and a process is temporarily swapped out of memory.

BLOCKED to NONRESIDENT
- occurs if memory is overcommitted, and a process is temporarily swapped out of memory same just as ready to nonresident.