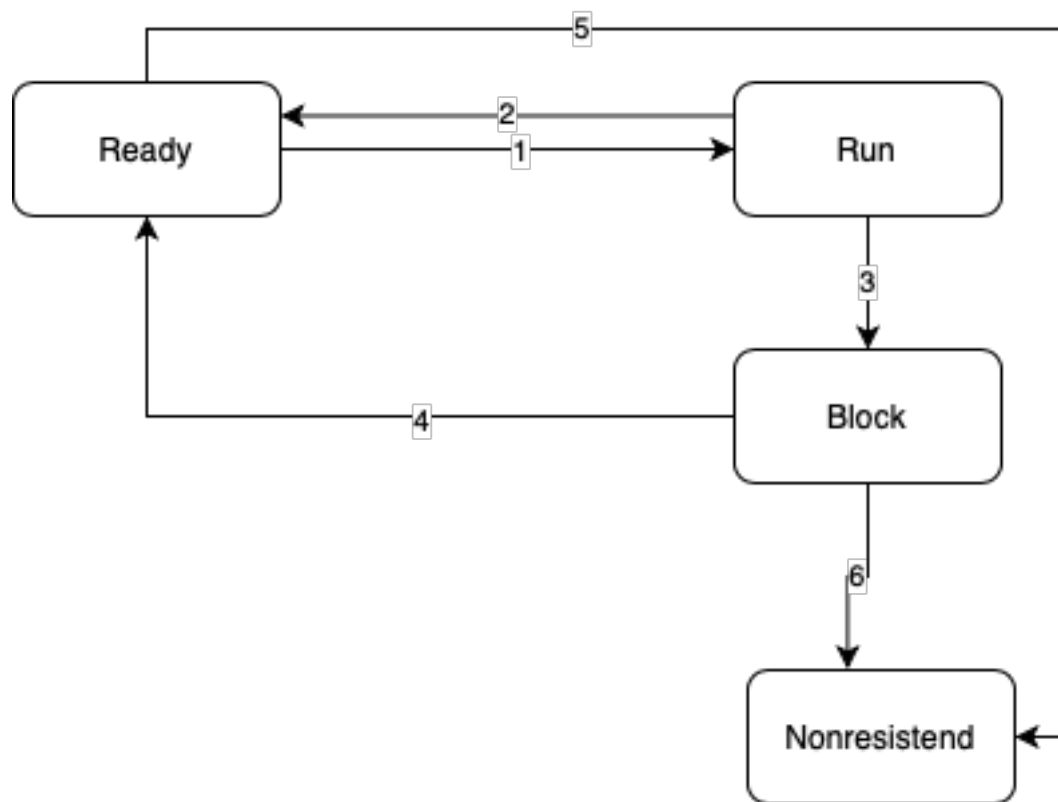


LABORATORY WORK 7

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.

```
9  #include <stdio.h>
10
11  main ()
12  {
13      int pid;
14      pid = fork ();
15      printf ("%d \n", pid);
16
17  }
18
```

main.c:11:1: warning: return type default is 'int' [-Wimplicit-int]
main.c:14:11: warning: implicit declaration of function 'fork' [-Wimplicit-function-declaration]
6939
0

