

Assignment12-Answer

True or False:

1. [1 pts] OS is responsible for manage the processes so that they have enough resources to complete the task respectively. True
2. [1 pts] Instructions of a program is a static set of directions. True
3. [1 pts] Dispatcher and scheduler have similar tasks. False

Multiple Choices:

4. [1 pts] The portion of an OS that handles the communication with users is often called the B.

A. Application program B. User Interface
C.Shell D. File manager

5. [1 pts] In the bootstrap process, the OS is loaded between A and D.

A.Bootstrap program B.UI
C.Shell D.Memory

Short Answer:

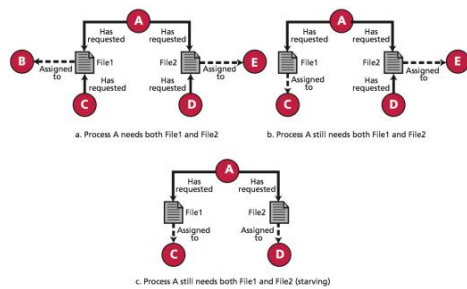
6. [1 pts] What are the definition of the operating system?

大致意思对了即可

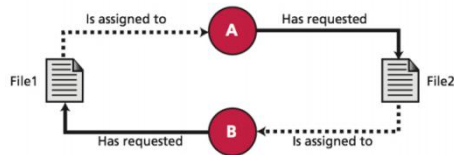
An operating system is an interface between the hardware of a computer and the user (programs or humans) that facilitates the execution of other programs and the access to hardware and software resources.

7. [1 pts] Use simple graphs to demonstrate DEADLOCK and STARVATION.

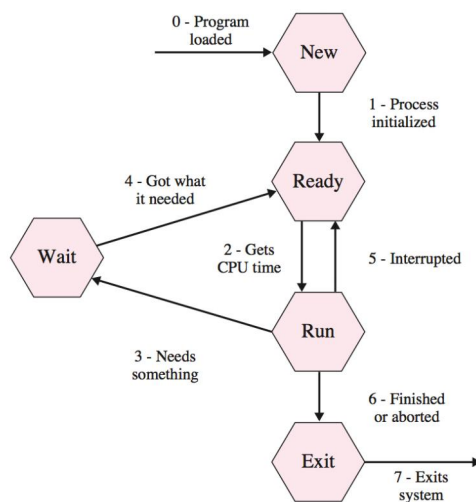
Figure 7.18 Starvation



Deadlock



8. [3 pts] According to the diagram of “process states and transitions”, what are the three possible routes of a program being executed.



Need to include three possible branches in the “Run” state, which are “finished and exit”, “need more resources and wait” and “interrupted and go back to ready state”