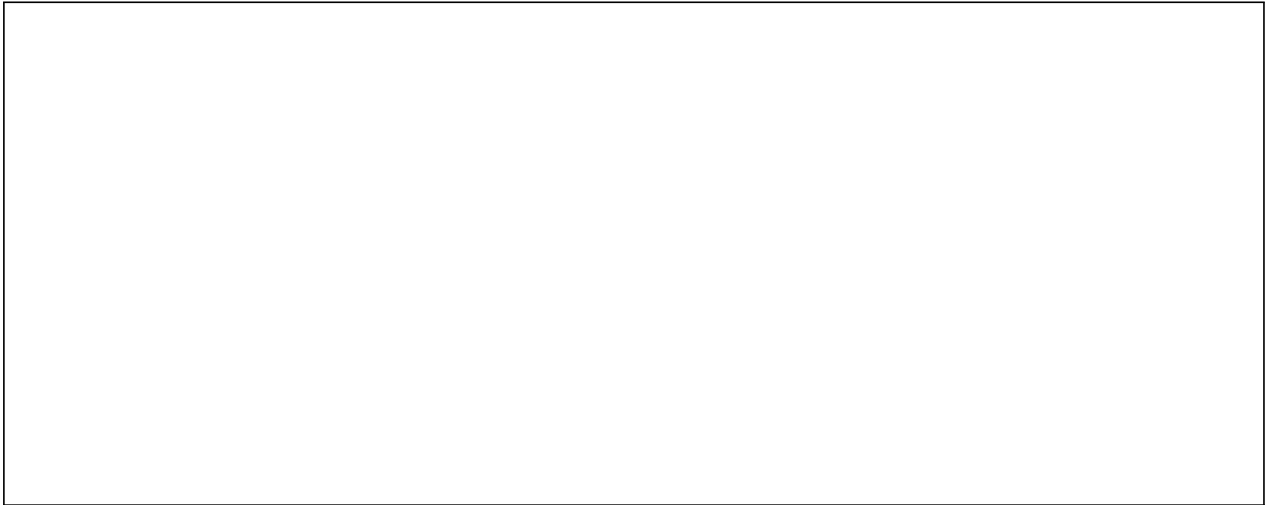


16. Explain with the help of a figure how the *init* process creates all the other processes in the linux system. Describe the two critical system calls required for this procedure.



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Score

/ 2

17. Assume there's a thread-aware operating system. Thread t_1 from within process p_1 makes an IO request. Consider the time when the operating system has executed the corresponding syscall handler, but I/O has not yet been completed. Can the process p_1 still be selected by the scheduler to run at this time? Give a reason for your answer.

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Score

/ 2

18. *Bonus question:* What is the name of the structure in the Linux kernel source that corresponds to the PCB?

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Score

/ 1