- 1. What elements are typically found in a page table entry? Briefly define each element.
- 2. Assuming a page size of 4 Kbytes and that a page table entry takes 4 bytes, how many levels of page tables would be required to map a 64-bit address space, if the top-level page table fits into a single page?
- 3. Briefly define shortest-process-next scheduling.
- 4. Define residence time T_r as the average total time a process spends waiting and being served. Show that for FIFO, with mean service time T_s , we have $T_r = T_s/(1 \rho)$, where ρ is utilization.