Tutorial 12 – Week of Dec. 6th

Final Exam Preparation

- Q1) Tutorial 2, Q3 (2.7)
- Q2) Tutorial 3, Q1 (2.13)
- Q3) Tutorial 4, Q2 (2.31)
- Q4) Tutorial 7, Q4 (4.5)
- Q5) A machine has a 32-bit virtual address space and a 16KB page size. It has 1GB of physical memory. How many pages does a process have? How many bytes are needed for a page table, assuming 4 control bits and that disk addresses are stored elsewhere?
  Solution:
  Pages per process = 2^32 bytes * (1 page / 16*2^10 bytes)
  = 2^32 / 2^14= 2^18 = 256K pages