

Homework1

(Due – tentatively – on October 16th, 2002)

The following exercises will be good preparations for the coming exam. **Keep your answers short!**

1. 4.3 in J.Liu's book.
2. 4.5 in J.Liu's book.
3. 5.1 (b) and (e) in J.Liu's book.
4. 5.3 in J.Liu's book.
5. 6.3 in J.Liu's book.
6. 6.17 in J.Liu's book.
7. 6.23 in J.Liu's book.
8. 6.37 in J.Liu's book.
9. We determined in class that the schedulable utilization of FIFO for periodic tasks with relative deadline at the end of the period is 0%. What is the schedulable utilization for FIFO if we limit ourselves to unit-size execution times and integer-length periods? (By *unit-size* we mean "one time unit long" and by *integer-length* we mean "an integer multiple of a time unit long".)