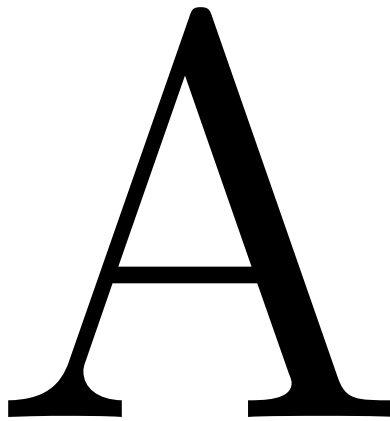<div align="center">

Course SE 350

Quiz IIa

March 17, 2010

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1. What material did you use to prepare for the quiz? There only exist correct answers to this question. Please list a selection of (or specify other): Electronic version of Stalling's book, printed version of Stalling's book, another book, lecture slides, own notes, nothing. *[1p]*

2. Assume a system with the processes shown in the table below with their arrival time and execution time. All processes are CPU-bound and perform no blocking calls.

   - Create two schedules, one using FCFS and another one Round Robin scheduling. For Round Robin use a quantum of 1 and first enqueue new processes in the ready queue before re-enqueueing the process that just ran on the processor. *[8p]*
   - Explain the difference between response time and turnaround time. *[4p]*
   - Calculate the response time and the turnaround time of the processes. *[5p]*
   - Discuss the importance of the quantum size for Round Robin scheduling. *[5p]*

   (Note: FCFS means first-come first-served)

Name	Arrival	Execution time
A	0	3
B	5	5
C	3	2
D	8	4
E	4	7

End of quiz. Total points: 23

A

Quiz guide: The exam consists of 2 questions listed on one page. The exam's total number of points is listed at the end. The quiz duration is 12 minutes. Note make sure you don't have the same quiz ID as any of your neighbours. If you have, say so immediately. **If you don't, you invalidate your score.**