Homework 7  

Part 1 - Scheduling with RM

1. Conduct RM response time analysis on the task set \((T, C) = (7, 3), (8, 2), \text{ and } (10, 3)\). Show your work. Is this task set schedulable by RM? (12 points)

2. Conduct RM response time analysis on the task set \((T, C) = (4, 1), (7, 2), (19, 2), \text{ and } (20, 6)\). Show your work. Is this task set schedulable by RM? (16 points)

3. Suppose you are given a task set, and you want to test whether this task set is schedulable by RM. Which test would you apply first? Why? (4 points)

Part 2 - Reading Questions

1. Describe the difference between a minor cycle and a major cycle. (4 points)

2. Why might the frequency of a task change? Give an example. (4 points)

Feedback

1. How much time did you spend completing this assignment (ignoring interruptions)?
2. How much time did you spend doing the assigned reading (ignoring interruptions)?
3. Any other feedback?