**Set 1: (1,7,7), (2,5,5), (1,8,8), (1,10,10), (2,16,16)**

Welcome to the Real-Time Scheduler

Scheduling algorithm choices:

(0) Earliest Deadline First

(1) Shortest Completion Time

(2) Least Slack Time

Choose a scheduling algorithm (enter the number of your choice): 1

You selected Shortest Completion Time

Enter tasks in the format '<name> <execution time> <deadline> <period>' and follow each with a newline.

To run tasks, enter 'start' followed by a newline.

P1 1 7 7

P2 2 5 5

P3 1 8 8

P4 1 10 10

P5 2 16 16

start

How many seconds would you like to run the simulation for? 16

Running tasks...

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START:

P1 Thread created!

P3 Thread created!

P4 Thread created!

P2 Thread created!

P5 Thread created!

--> P1 Active task! at time 0

--> P3 Active task at time 1!

--> P4 Active task at time 2!

--> P2 Active task at time 3!

--> P5 Active task at time 4!

--> P2 Active task at time 5!

At time 7 all tasks completed!

--> P1 Active task at time 8!

--> P3 Active task at time 9!

--> P4 Active task at time 10!

--> P2 Active task at time 11!

At time 12 all tasks completed!

At time 13 all tasks completed!

At time 14 all tasks completed!

--> P1 Active task at time 15!

--> P2 Active task at time 16!

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RESULTS:

Rescheduled 17 times

All tasks ran for 16 seconds without missing any deadlines.

**Set 2: (1,3,3), (2,5,5), (1,10,10)**

Welcome to the Real-Time Scheduler

Scheduling algorithm choices:

(0) Earliest Deadline First

(1) Shortest Completion Time

(2) Least Slack Time

Choose a scheduling algorithm (enter the number of your choice): 1

You selected Shortest Completion Time

Enter tasks in the format '<name> <execution time> <deadline> <period>' and follow each with a newline.

To run tasks, enter 'start' followed by a newline.

P1 1 3 3

P2 2 5 5

P3 1 10 10

start

How many seconds would you like to run the simulation for? 10

Running tasks...

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START:

P1 Thread created!

P3 Thread created!

P2 Thread created!

--> P1 Active task! at time 0

--> P3 Active task at time 2!

--> P2 Active task at time 3!

--> P1 Active task at time 5!

--> P2 Active task at time 7!

At time 8 all tasks completed!

--> P1 Active task at time 9!

--> P3 Active task at time 10!

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RESULTS:

Rescheduled 11 times

All tasks ran for 10 seconds without missing any deadlines.

**Set 3: (1,4,4), (2,5,5), (1,8,8), (1,10,10)**

Welcome to the Real-Time Scheduler

Scheduling algorithm choices:

(0) Earliest Deadline First

(1) Shortest Completion Time

(2) Least Slack Time

Choose a scheduling algorithm (enter the number of your choice): 1

You selected Shortest Completion Time

Enter tasks in the format '<name> <execution time> <deadline> <period>' and follow each with a newline.

To run tasks, enter 'start' followed by a newline.

P1 1 4 4

P2 2 5 5

P3 1 8 8

P4 1 10 10

start

How many seconds would you like to run the simulation for? 10

Running tasks...

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START:

P1 Thread created!

P3 Thread created!

P4 Thread created!

P2 Thread created!

--> P1 Active task! at time 1

--> P3 Active task at time 2!

--> P4 Active task at time 3!

--> P1 Active task at time 4!

--> P2 Active task at time 6!

At time 8 all tasks completed!

--> P1 Active task at time 9!

--> P3 Active task at time 10!

--> P4 Active task at time 11!

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RESULTS:

Rescheduled 10 times

All tasks ran for 10 seconds without missing any deadlines.