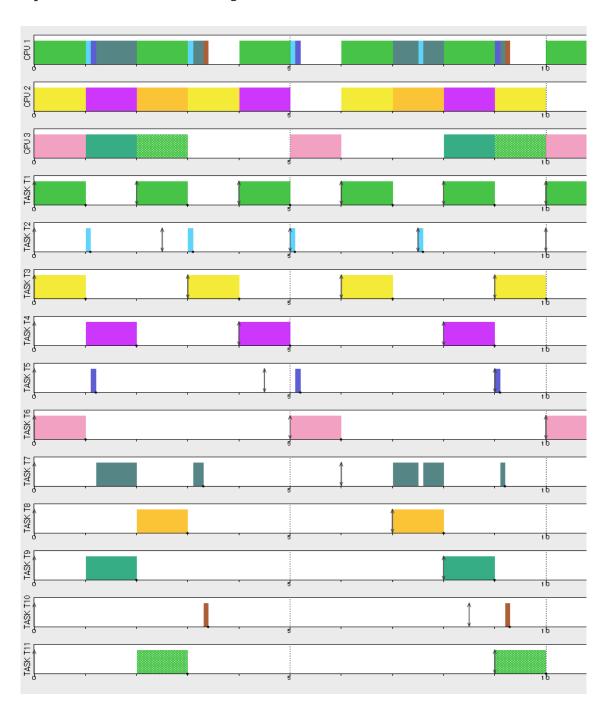
## Assignment 5

Hsuan-Yu Lin 31/10/2019

## Simulation assignment

A picture of the final schedule using the modified scheduler



The source code of the scheduling algorithm

```
P_RM.py ⊅ X
      Partitionned EDF using PartitionedScheduler.
 4 from simso.core.Scheduler import SchedulerInfo
     from simso.utils import PartitionedScheduler
     from simso.schedulers import scheduler
7
8
     import math
10 @scheduler("simso.schedulers.P_RM")
11 ⊟class P_RM(PartitionedScheduler):
12 👨
          def init(self):
               PartitionedScheduler.init(
14 |
15 |
16 |
                  self, SchedulerInfo("simso.schedulers.RM_mono"))
          def packer(self):
17
18
               cpus = [[cpu, 0, 1.0] for cpu in self.processors]
for task in self.task_list:
19 卓
22 🖨
                    \label{lem:while cpus} \begin{subarray}{ll} while $$\operatorname{cpus}[j][1] + float(task.wcet) / task.period > cpus[j][2]*(math.pow(2, 1/cpus[j][2])-1): \end{subarray}
23 |
24 |
25 |
                        if j >= len(self.processors):
26
27
                            print("oops Scheduling failed.")
                    self.affect_task_to_processor(task, cpus[j][0])
                   cpus[j][1] += float(task.wcet) / task.period
cpus[j][2] += 1.0
34
35
```

## **Programming Assignment**

## Microsoft Visual Studio Debug Console

```
$90.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00, 390.00
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