# CS 537 - Project 2b Graph1

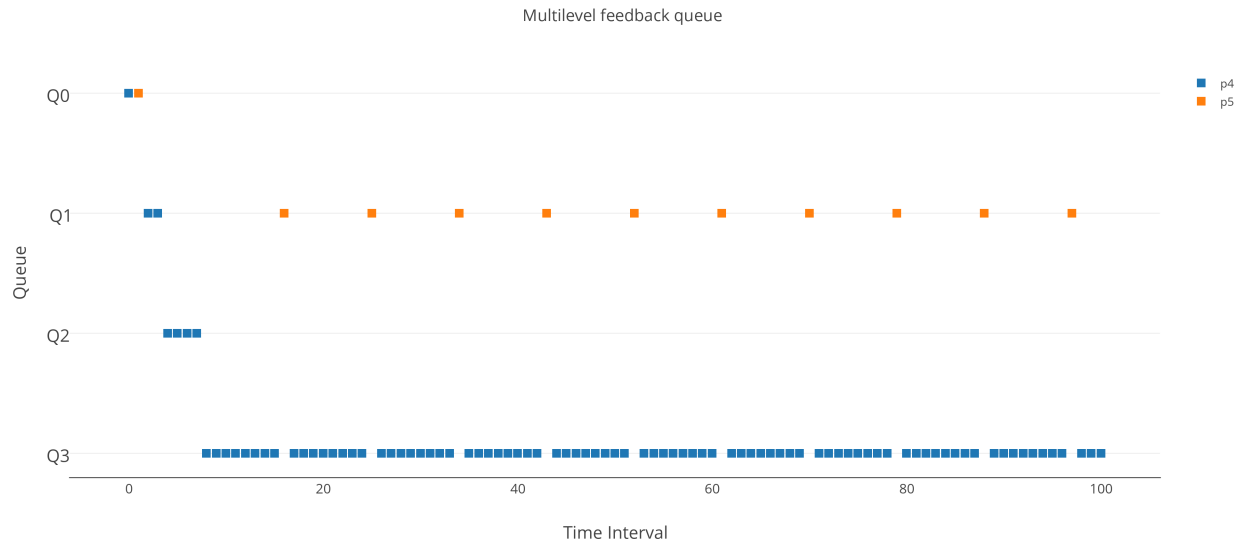## Rashi Jalan, Mihir Shete



Figure 1

**Figure 1** represents the workloads of 2 processes p4 and p5. The process p4 runs an infinite while loop (see *spin()*) and process p5 runs a loop 25000000 times and then sleeps for 5 ticks (see *spin()*). The termination condition in the internal for loop in p5 is selected so that it calls sleep approximately after 1 timer tick. That is why we can see in the graph that the p5 continues on level 2.

```
1 spin() //p4
2 {
3    while(1);
4    exit();
5 }
6
7 void spin1() //p5
8 {
9    int i;
10   while(1) {
11     for(i = 0; i < 2500000; i++) {
12     }
13     sleep(5);
14   }
15   exit();
16 }
```