

## CS 537 - Project 2b Graph1

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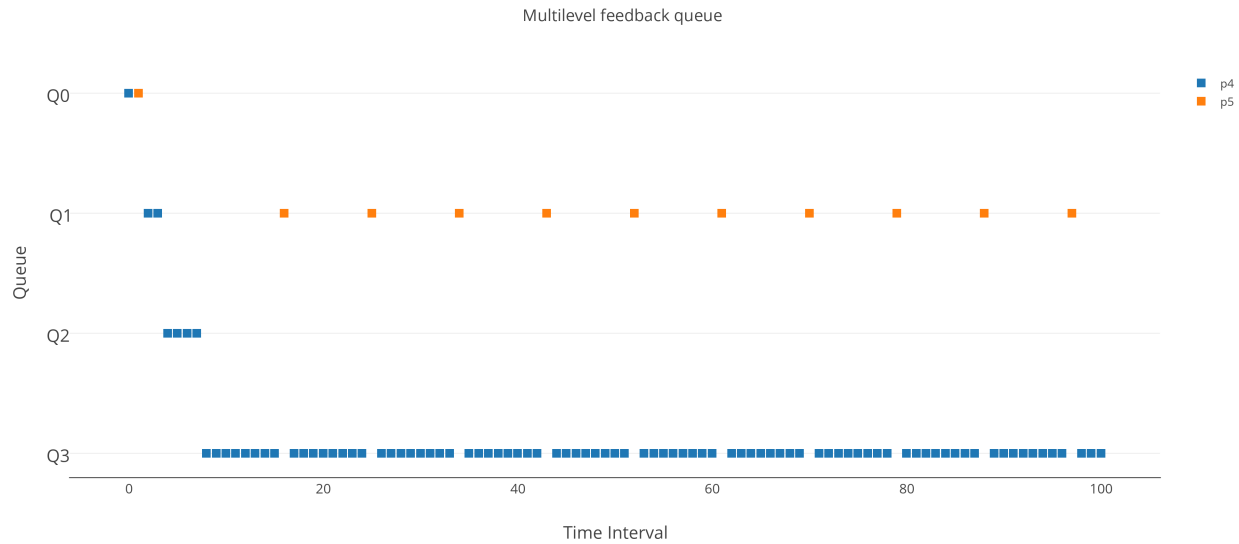


Figure 1 [1]

**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 *spin1()*). 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 < 25000000; i++) {
12            }
13        sleep(5);
14    }
15    exit();
16 }
```

[1] These graphs were obtained by running tests on a vm with sigle cpu core