Adam Babbit

10/14/2019

CS 420

5.1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P\_a | | | | | | | P\_b | | | P\_c | |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |  |
| 5.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P\_a | | | | | | | P\_c | | P\_b | | |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |  |
| 5.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | P\_b | | | P\_c | | P\_a | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

5.1

5.2

5.3

6.1

a

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P\_b | | P\_d | | P\_c | | | P\_e | | | | | | | P\_a | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| b |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P\_b | | P\_e | | | | | | | P\_a | | | | | | | | | | | | P\_c | | | P\_d | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| c |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P\_b | | P\_e | | | | | | | P\_a | | | | | | | | | | | | P\_c | | | P\_d | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| d |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P\_b | P\_e | P\_a | P\_c | P\_d | P\_b | P\_e | P\_a | P\_c | P\_d | P\_e | P\_a | P\_c | P\_e | P\_a | P\_e | P\_a | P\_e | P\_a | P\_e | P\_a | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

6.2

a b c d

6.3

a

b

c

6.4

The SJF has the shortest average wait time since all the jobs were there at the same time.

7

The program could allow users to input a custom priority and use that to determine how it will run. This can cause issues as too many things can have a high priority and clog up the processors. The advantage is that users can have direct control over processes