William Harper

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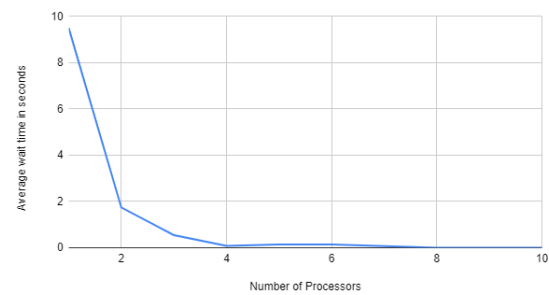
Okeoma Nwabueze

Discrete Event Simulation Testing Documentation

Light Load : T = (M*P / 2)

Processors	Average wait time
1	9.5
2	1.74
3	0.54
4	0.08
5	0.14
6	0.14
7	0.07
8	0
9	0
10	0

Light Load : T = (M*P / 2)

Medium Load : T = (M * P)

Processors	Average wait time
1	53.92
2	25.45
3	20.41
4	12.81
5	10.51
6	8.47
7	11.96
8	14.09
9	3.02
10	5.93

Medium Load : T = (M * P)
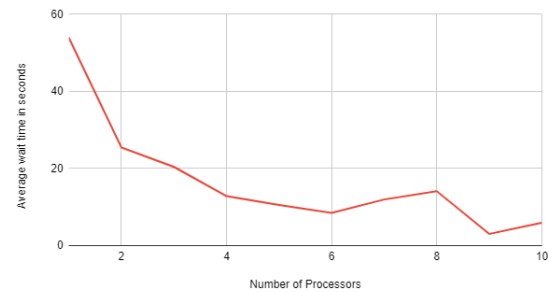
Heavy Load : T= (M * P * 2)

Processors	Average wait time
1	1239.84
2	1024.74
3	972.25
4	936.61
5	898.77
6	810.91
7	719.89
8	714.42
9	966.2
10	1019.33

Heavy Load : T= (M * P * 2)
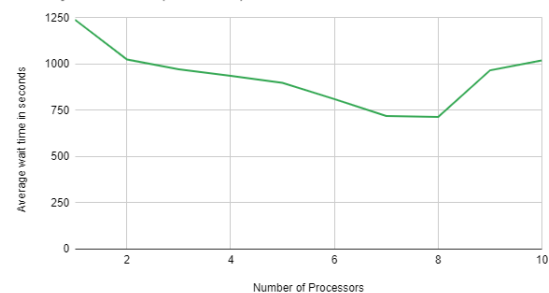
```
Light Load : T = (M * P / 2)


interupt 0:0:0
departure at 0:0:5
arrival at 0:0:8
departure at 0:0:11
arrival at 0:0:32
departure at 0:0:43
arrival at 0:0:52
departure at 0:0:53
interupt 0:0:59
departure at 0:1:2
arrival at 0:1:3
departure at 0:1:5
arrival at 0:1:11
departure at 0:1:12
arrival at 0:1:32
departure at 0:1:37
arrival at 0:1:38
departure at 0:1:41
arrival at 0:1:59
arrival at 0:2:9
departure at 0:2:21
departure at 0:2:29
arrival at 0:2:34
departure at 0:2:37

Average wait time for 1 processors: 4
```

```
arrival at 0:0:0
arrival at 0:0:5
departure at 0:0:12
arrival at 0:0:13
arrival at 0:0:37
arrival at 0:0:48
arrival at 0:0:51
arrival at 0:1:1
departure at 0:1:7
departure at 0:1:9
departure at 0:1:10
departure at 0:1:17
interupt 0:1:22
arrival at 0:1:25
departure at 0:1:29
arrival at 0:1:32
arrival at 0:1:35
arrival at 0:1:40
arrival at 0:1:43
departure at 0:1:46
departure at 0:1:48
departure at 0:1:51
arrival at 0:2:18
departure at 0:2:21

Average wait time for 10 processors: 0
```

```
Medium Load : T = (M * P)


arrival at 0:0:0
departure at 0:0:2
arrival at 0:0:3
arrival at 0:0:10
departure at 0:0:26
interupt 0:0:37
departure at 0:0:38
arrival at 0:0:40
arrival at 0:0:44
interupt 0:0:50
arrival at 0:0:54
departure at 0:1:7
arrival at 0:1:8
arrival at 0:1:10
arrival at 0:1:13
departure at 0:1:19
departure at 0:1:26
arrival at 0:1:28
departure at 0:1:34
departure at 0:1:38
arrival at 0:1:56
departure at 0:2:1
arrival at 0:2:18
departure at 0:2:22

Average wait time for 1 processors: 46.47
```

```
arrival at 0:0:0
arrival at 0:0:3
arrival at 0:0:10
departure at 0:0:15
interupt 0:0:37
arrival at 0:0:40
arrival at 0:0:44
interupt 0:0:50
arrival at 0:0:54
arrival at 0:1:8
arrival at 0:1:10
arrival at 0:1:13
arrival at 0:1:28
departure at 0:1:30
departure at 0:1:50
departure at 0:1:51
arrival at 0:1:56
departure at 0:2:9
arrival at 0:2:18
arrival at 0:2:23
departure at 0:2:27
arrival at 0:2:28
departure at 0:2:38
arrival at 0:2:49

Average wait time for 10 processors: 12.68
```

```
Heavy Load : T = (M * P * 2)


arrival at 0:0:0
arrival at 0:0:11
arrival at 0:0:16
arrival at 0:0:19
interupt 0:0:26
departure at 0:0:27
departure at 0:0:31
arrival at 0:0:34
departure at 0:0:35
departure at 0:0:57
arrival at 0:1:3
departure at 0:1:7
arrival at 0:1:11
departure at 0:1:35
departure at 0:1:43
interupt 0:1:44
arrival at 0:1:47
arrival at 0:1:51
arrival at 0:2:0
departure at 0:2:12
arrival at 0:2:14
arrival at 0:2:20
arrival at 0:2:30
arrival at 0:2:33

Average wait time for 1 processors: 1312.19
```

```
arrival at 0:0:0
arrival at 0:0:8
departure at 0:0:9
arrival at 0:0:14
arrival at 0:0:17
departure at 0:0:31
interupt 0:0:42
arrival at 0:0:47
interupt 0:0:56
arrival at 0:1:6
arrival at 0:1:22
arrival at 0:1:30
interupt 0:2:4
departure at 0:2:18
arrival at 0:2:30
departure at 0:2:36
arrival at 0:2:38
departure at 0:2:44
departure at 0:2:53
arrival at 0:2:55
arrival at 0:3:0
arrival at 0:3:3
arrival at 0:3:8
arrival at 0:3:32

Average wait time for 10 processors: 1048.08
```