

## Assignment 10

Name/Names: Arnar Sigurðsson

(leftmost element of a queue=head, tail towards right)

Timespan	Running	Ready queue	Waiting Queue
0..1	P1	---	---
1..2	---	---	P1
2..3	P2	---	P1
3..4	P2	P1	---
4..5	P2	P1 - P3	---
5..6	P2	P1 - P3	---
6..7	P1	P3 - P2	---
7..8	P1	P3 - P2	---
8..9	P3	P2	P1
9..10	P2	---	P1 - P3
10..11	---	---	P1 - P3 - P2
11..12	P1	---	P3 - P2
12..13	P1	P3	P2
13..14	P1	P3	P2
14..15	P1	P3 - P2	---
15..16	P3	P2 - P1	---
16..17	P3	P2 - P1	---
17..18	P2	P1	---
18..19	P1	---	---
19..20	---	---	---
20..21	---	---	---
Average residence time			16

P1: arr(0), cpu\_io(1, 2) cpu\_io(2, 3), cpu(5), term.

P2: arr(2), cpu\_io(5, 2) cpu(1), term.

P3: arr(4), cpu\_io(1, 1) cpu(2), term.

Round robin, time quantum=4

Note: I/O device can process only **one I/O request at a time!**

Athuga: **Rautt** þýðir að I/O er að vinna í því ferli

res: 19 16 13 total: 16