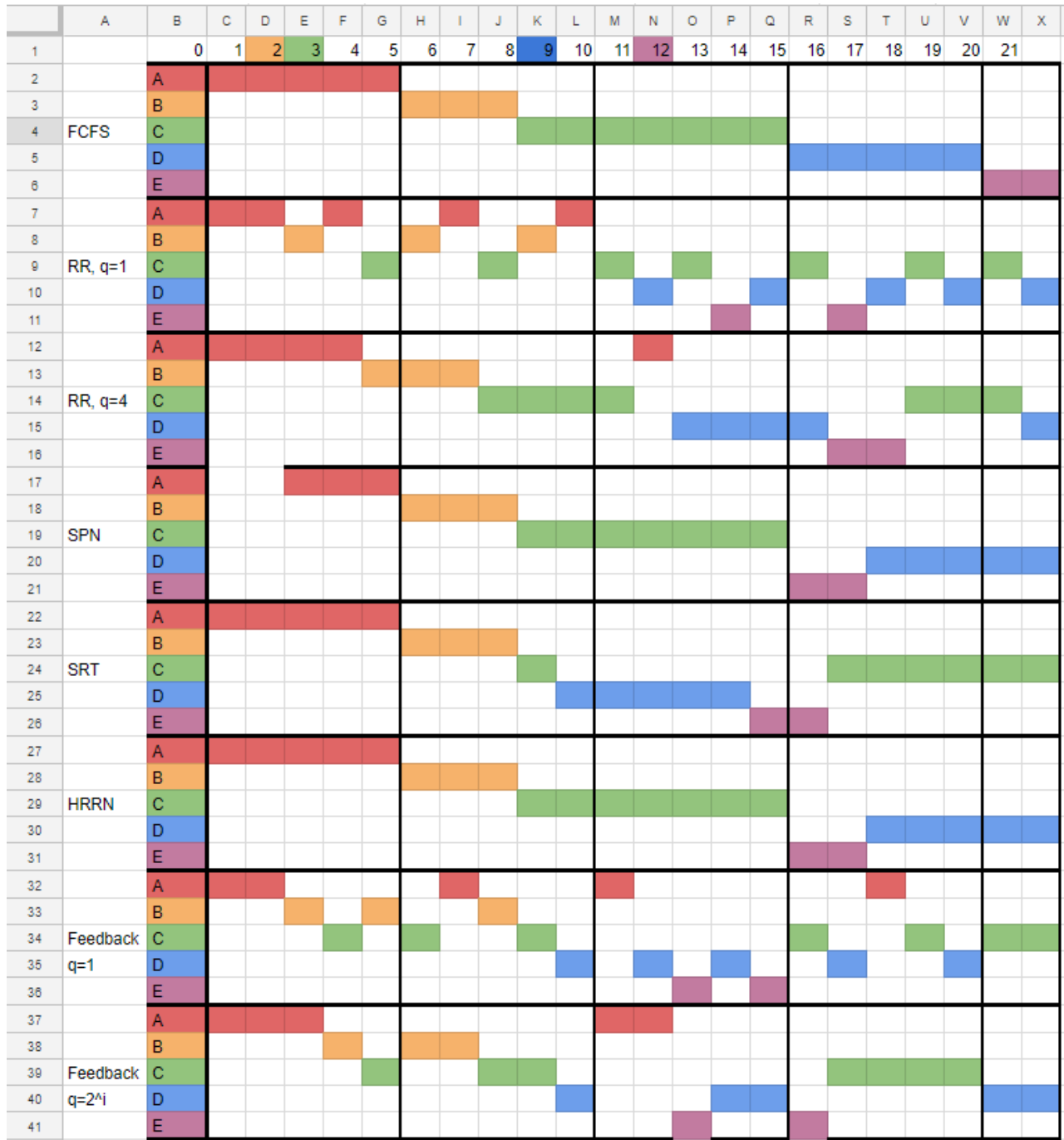


# 3SH3 - HW4

Chris Adams

April 2018

## 1 Problem One



## 2 Problem Two

### 2.1

	A	B	C	D	E	F
1	1	2	3	4	5	Elapsed Time
2	A	B	C	D	E	5
3	A	B	C	D	E	10
4	A	B	C	D	E	15
5	A	B	C		E	19
6	A	B	C		E	23
7	A	B			E	26
8	A	B			E	29
9	A	B			E	32
10	A	B			E	35
11	A				E	37
12	A				E	39
13	A				E	41
14	A					42
15	A					43

The Turnaround for each process:

A:43min B:34min C:22min D:14min E:41min

$$\text{Average Turnaround} = \frac{43 + 34 + 22 + 14 + 41}{5} = 30.8\text{min} \quad (1)$$

### 2.2

H	I	J	K
Priority	Job	Time	Turnaround Time
3	B	9	9
4	E	12	21
6	A	14	35
7	C	5	40
9	D	3	43

$$\text{Average Turnaround} = \frac{9 + 21 + 35 + 40 + 43}{5} = 29.6\text{min} \quad (2)$$

### 2.3

	A	B	C
1	Job	Time	Turnaround
2	A	14	14
3	B	9	23
4	C	5	28
5	D	3	31
6	E	12	43

$$\text{Average Turnaround} = \frac{14 + 23 + 28 + 31 + 43}{5} = 27.8min \quad (3)$$

### 2.4

E	F	G
Time	Job	Turnaround
3	D	3
5	C	8
9	B	17
12	E	29
15	A	44

$$\text{Average Turnaround} = \frac{3 + 8 + 17 + 29 + 44}{5} = 20.2min \quad (4)$$