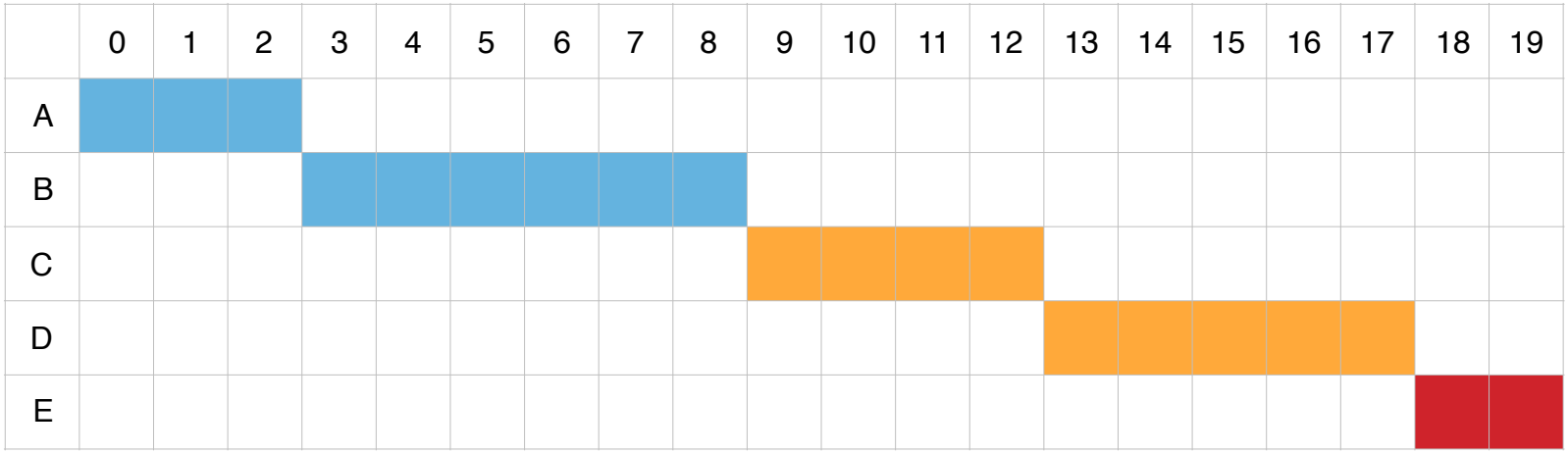
1. FCFS (First Come First Served)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 9 - 2 = 7
C = 13 - 4 = 9
D = 18 - 6 = 12
E = 20 - 8 = 12

AVG = 8,4

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 9 - 4 = 5
D = 13 - 6 = 7
E = 18 - 8 = 10

AVG = 4,6

Troughput: 0.25

Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

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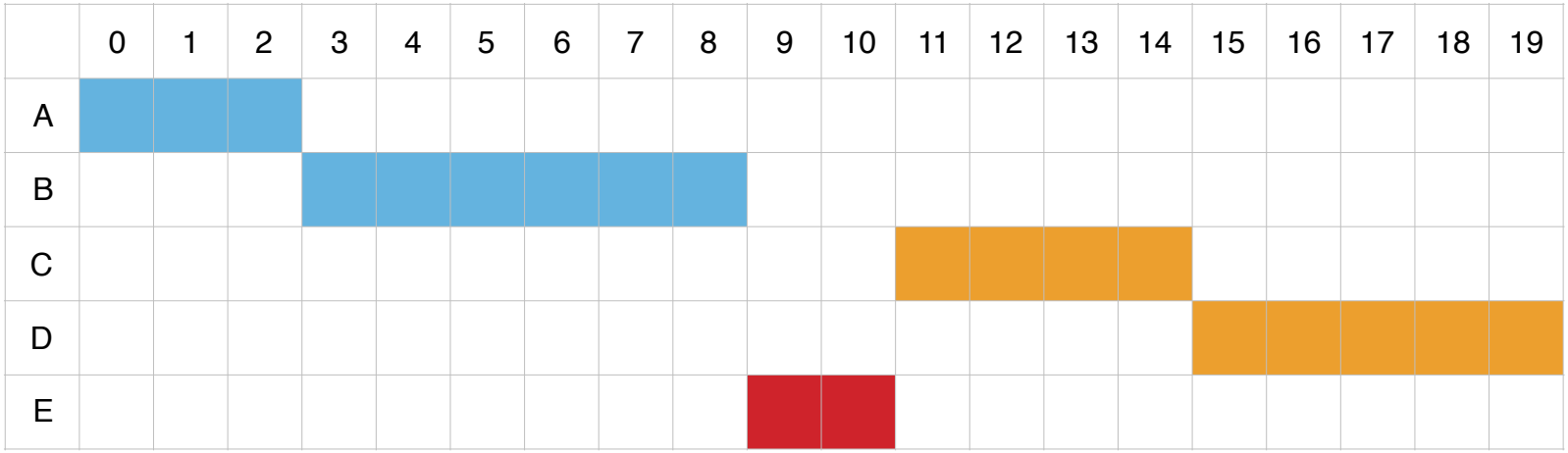
2. SPN (Shortest Process Next)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 9 - 2 = 7
C = 15 - 4 = 11
D = 20 - 6 = 14
E = 11 - 8 = 3

AVG = 7,6

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 11 - 4 = 7
D = 15 - 6 = 9
E = 9 - 8 = 1

AVG = 3,6

Troughput: 0.25

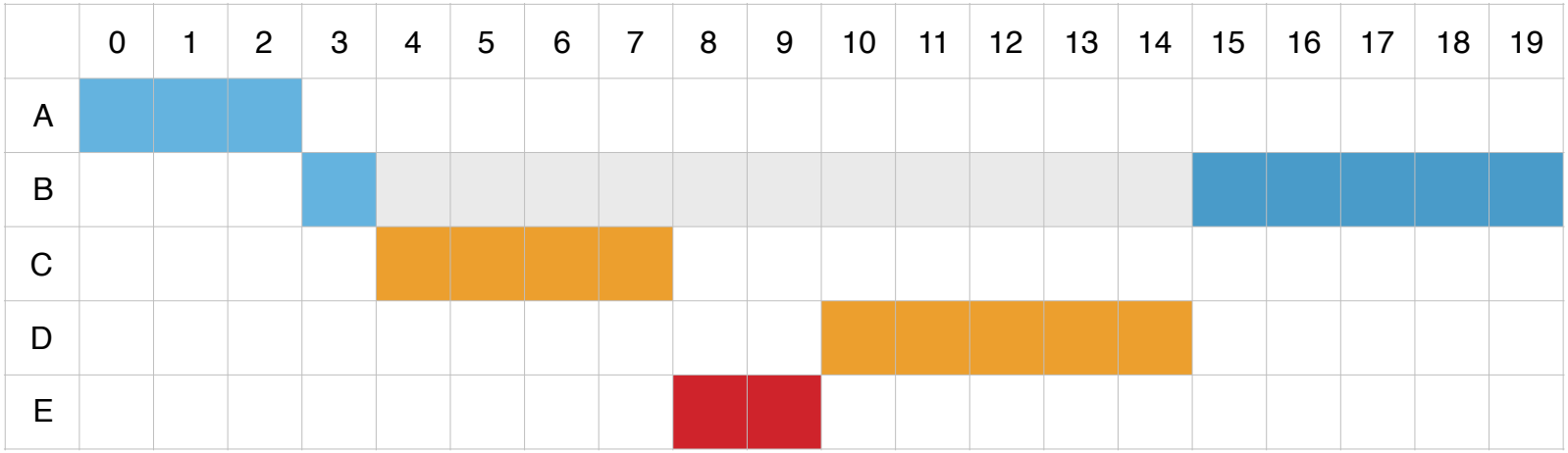
Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

Simon Rüba

MR: 01634098

3. SRT (Shortest Remaining Time Next)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 20 - 2 = 18
C = 8 - 4 = 4
D = 15 - 6 = 9
E = 10 - 8 = 2

AVG = 7,2

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 4- 4 = 0
D = 10 - 6 = 4
E = 8 - 8 = 0

AVG = 1,0

Troughput: 0.25

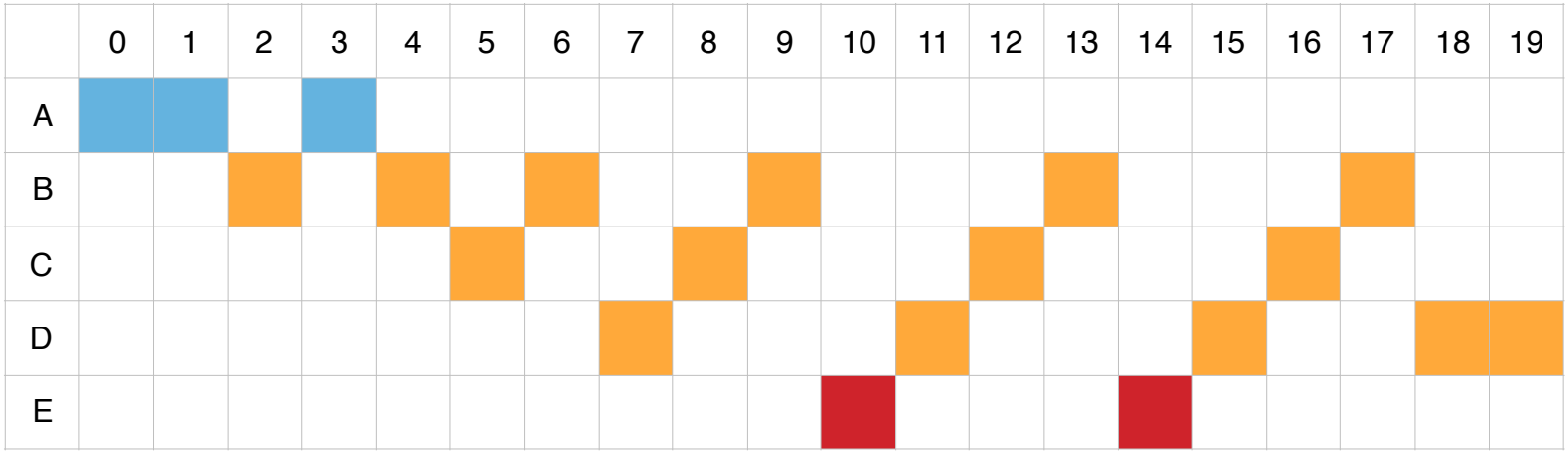
Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

Simon Rüba

MR: 01634098

4. Round Robin (Quantum 1)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 4 - 0 = 4
B = 18 - 2 = 16
C = 17 - 4 = 13
D = 20 - 6 = 14
E = 15 - 8 = 7

AVG = 10,8

Response Time:

A = 0 - 0 = 0
B = 2 - 2 = 0
C = 5- 4 = 1
D = 7 - 6 = 1
E = 10 - 8 = 2

AVG = 0,8

Troughput: 0.25

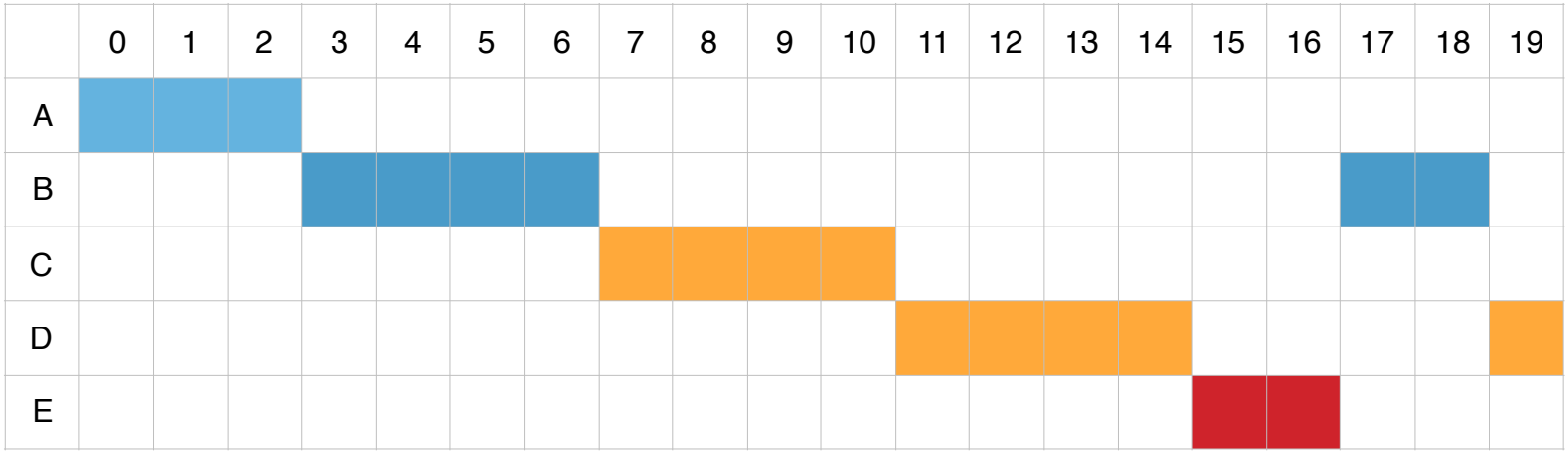
Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

Simon Rüba

MR: 01634098

5. Round Robin (Quantum 4)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 7 - 2 = 5
C = 11 - 4 = 9
D = 20 - 6 = 14
E = 17 - 8 = 9

AVG = 8

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 7 - 4 = 3
D = 11 - 6 = 5
E = 15 - 8 = 7

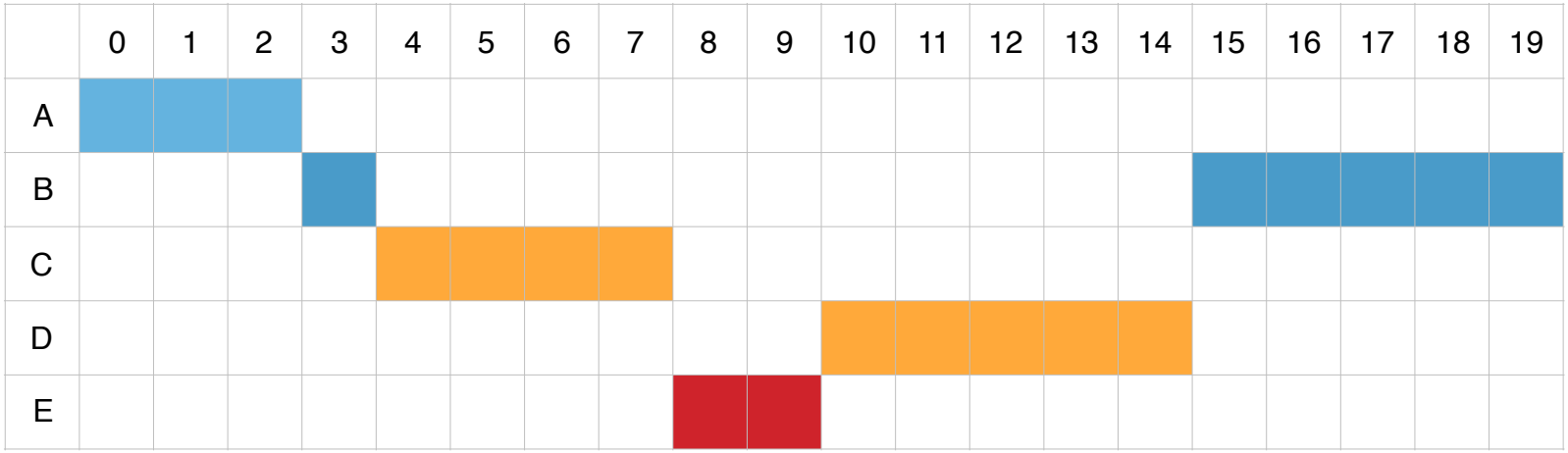
AVG = 3,2

Troughput: 0.25

Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

6. Highest Priority (preemptive)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 20 - 2 = 18
C = 8 - 4 = 4
D = 15 - 6 = 9
E = 10 - 8 = 2

AVG = 7,2

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 4 - 4 = 0
D = 10 - 6 = 4
E = 8 - 8 = 0

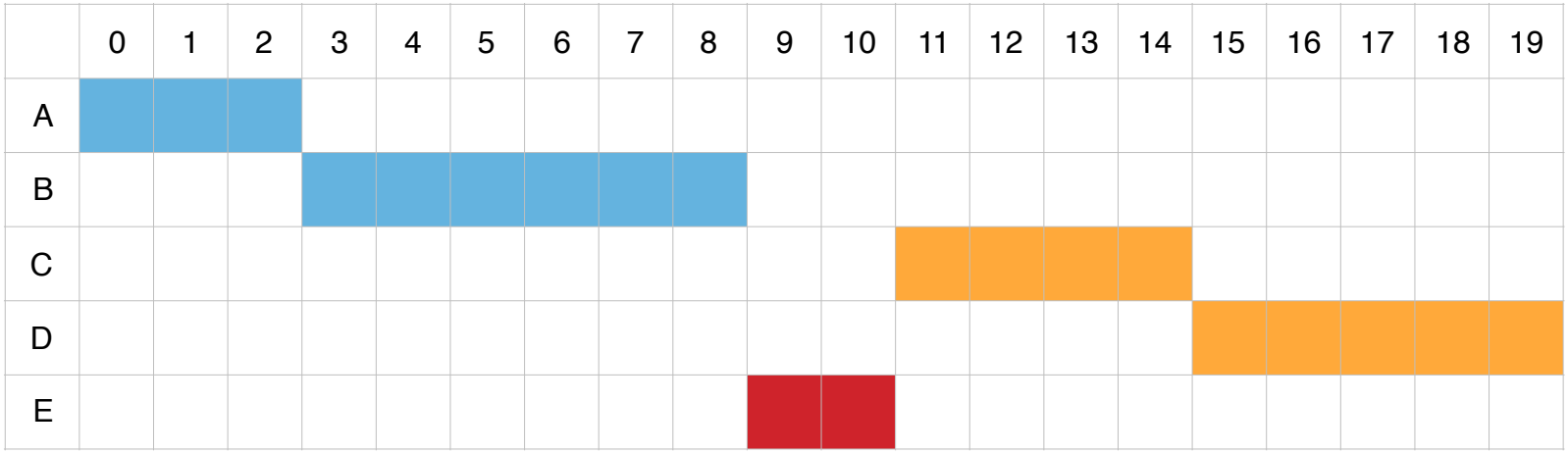
AVG = 1,0

Troughput: 0.25

Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3

7. Highest Priority (non preemptive)

Priority 1 Priority 2 Priority 3



Turnaround Time:

A = 3 - 0 = 3
B = 9 - 2 = 7
C = 11 - 4 = 7
D = 15 - 6 = 9
E = 20 - 8 = 12

AVG = 7,6

Response Time:

A = 0 - 0 = 0
B = 3 - 2 = 1
C = 11 - 4 = 7
D = 15 - 6 = 9
E = 9 - 8 = 1

AVG = 3,6

Troughput: 0.25

Process	Arrival Time	Service Time	Priority
A	0	3	1
B	2	6	1
C	4	4	2
D	6	5	2
E	8	2	3