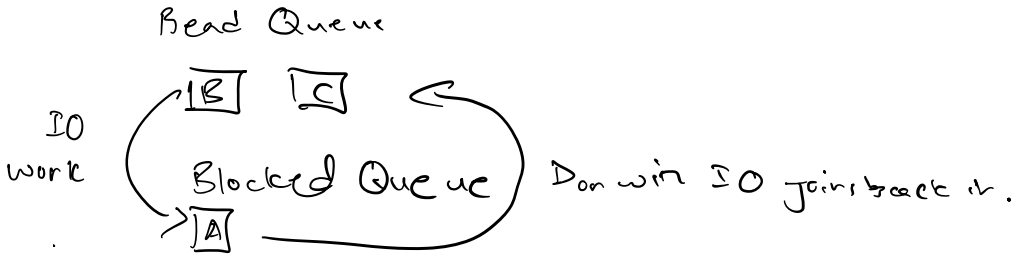


finish time = waiting time + service time + io time

2 ⟶ breaks, 4 & 8

8 ⟶ total IO time

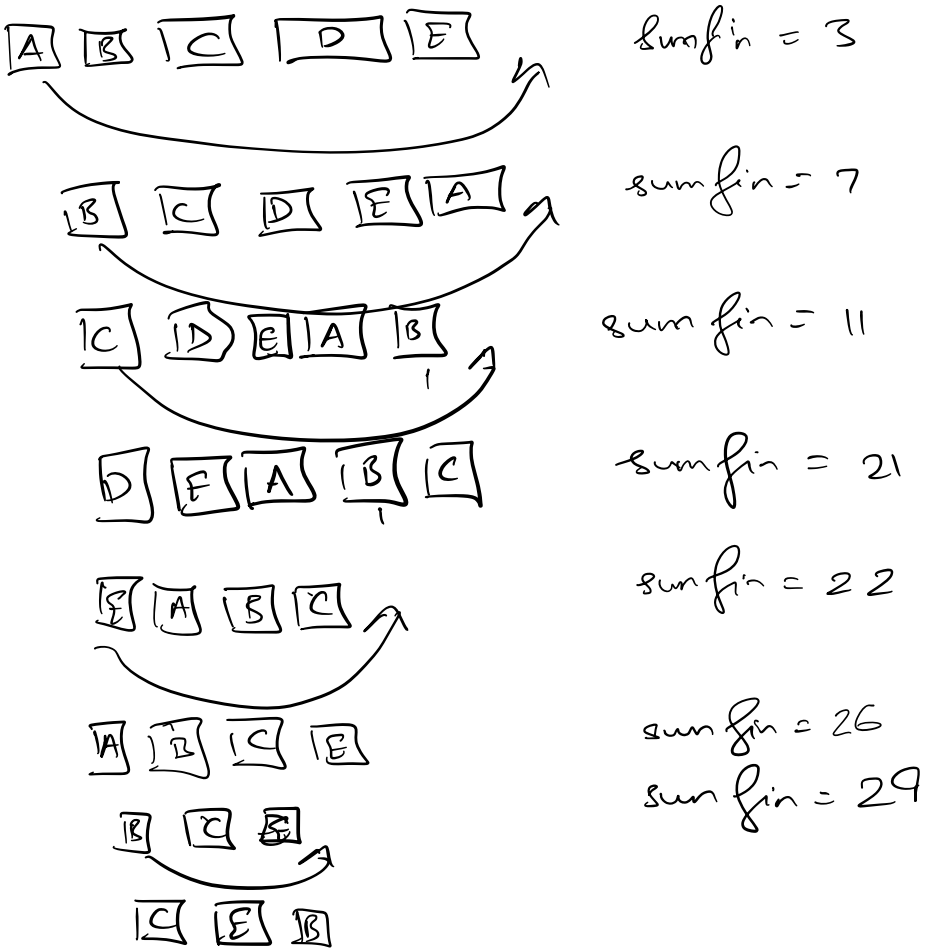
Blocked Queue

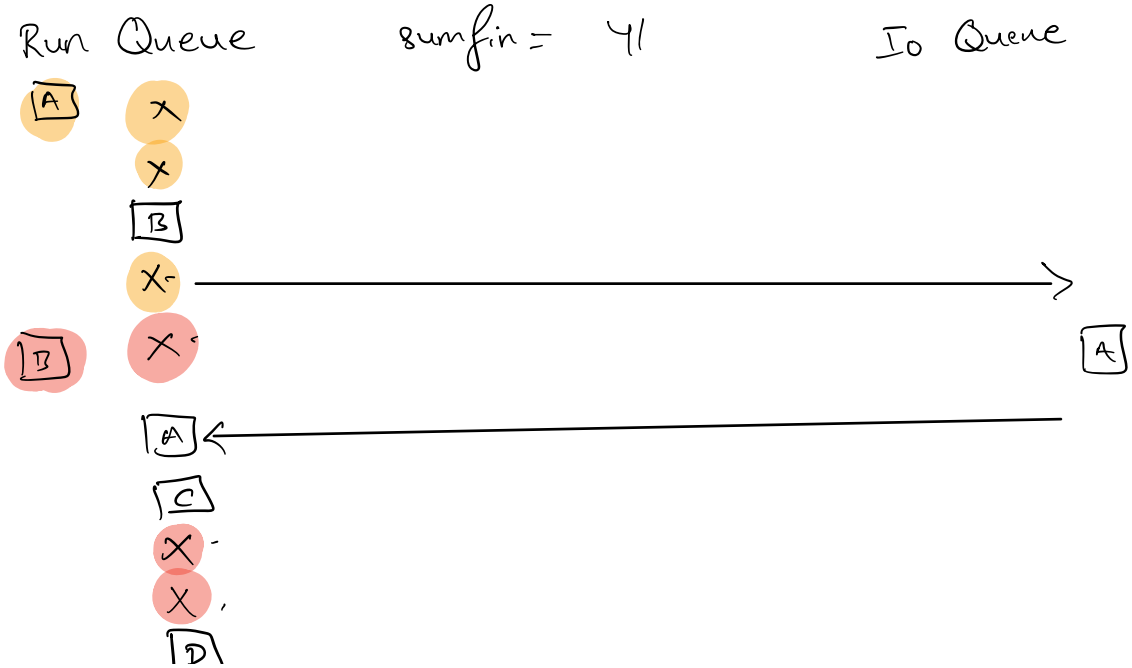
Running Que.

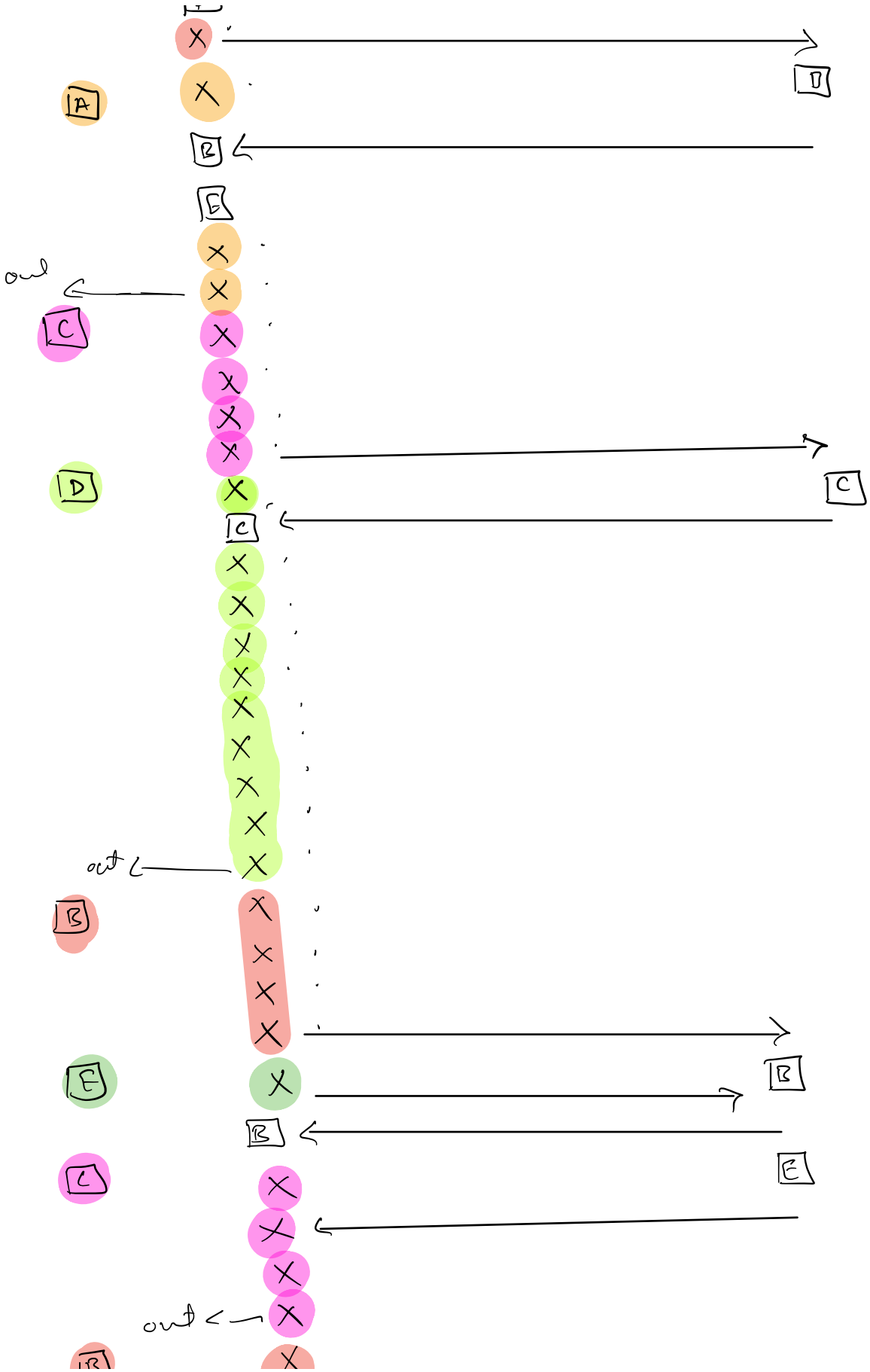
while (Que is not empty)

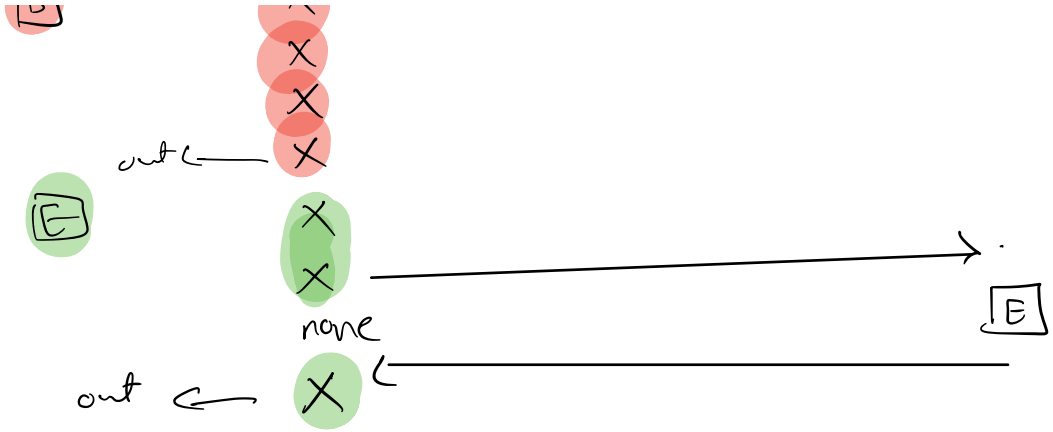
either in blocked queue and rtc to the back of the queue

or gone from run que.


A B C D E
sumfin = 3
B C D E A
sumfin = 7
C D E A B
sumfin = 11
D F A B C
sumfin = 21
E A B C
sumfin = 22
A B C E
sumfin = 26
B C E
sumfin = 29
C E B


Run Queue
sumfin = 41
Io Queue
A
X
X
B
X
X
D
A
A
C
X
X
D


A
D
B
E
out
C
D
C
C
out
B
B
E
B
E
C
out
B



Done → A D C B E

Finish: 10 24 33 37 41

Run Queue → some one arrives at 2

4

6

8

10

HRRN

Run Queue

A

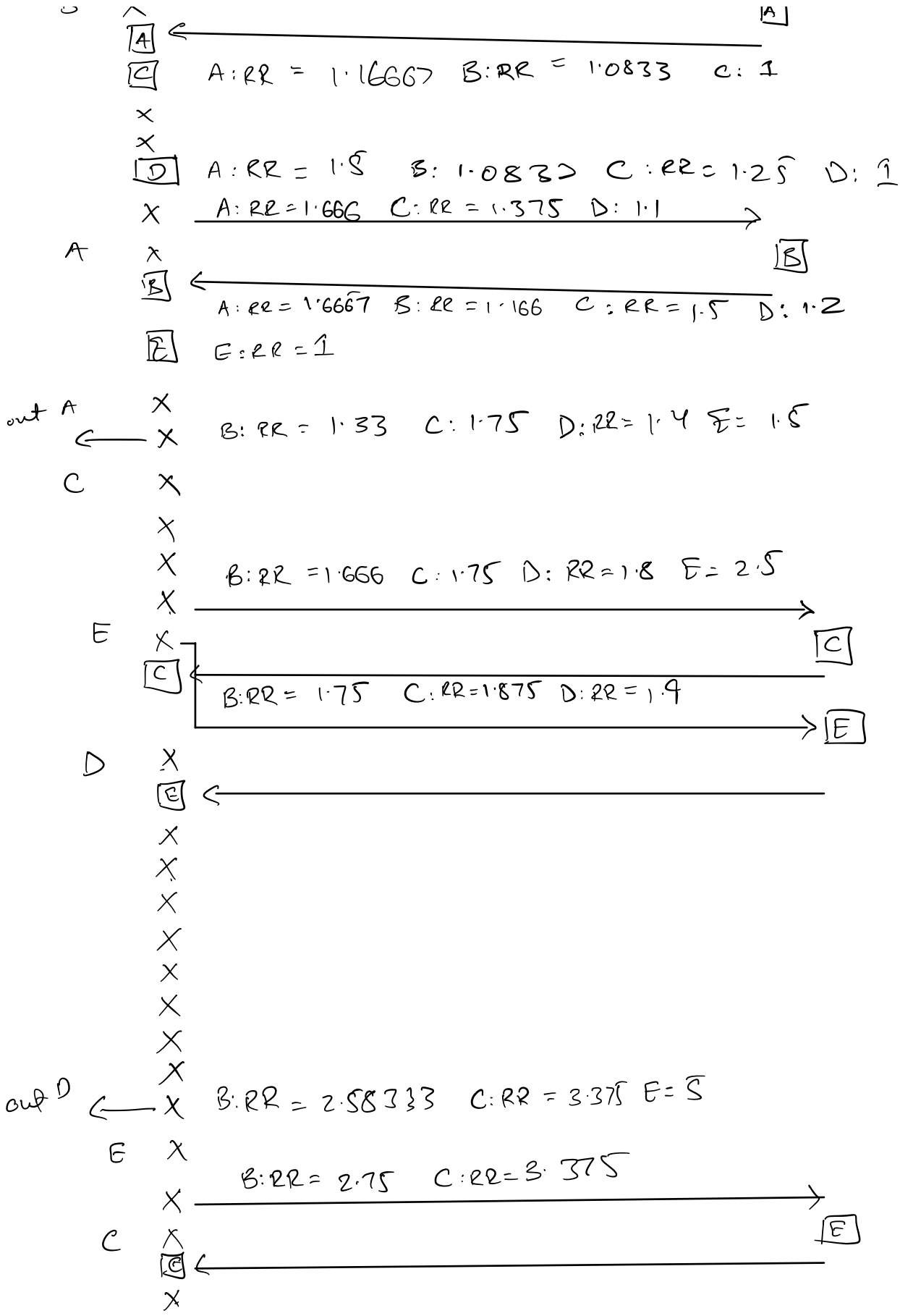
A → RR = 1

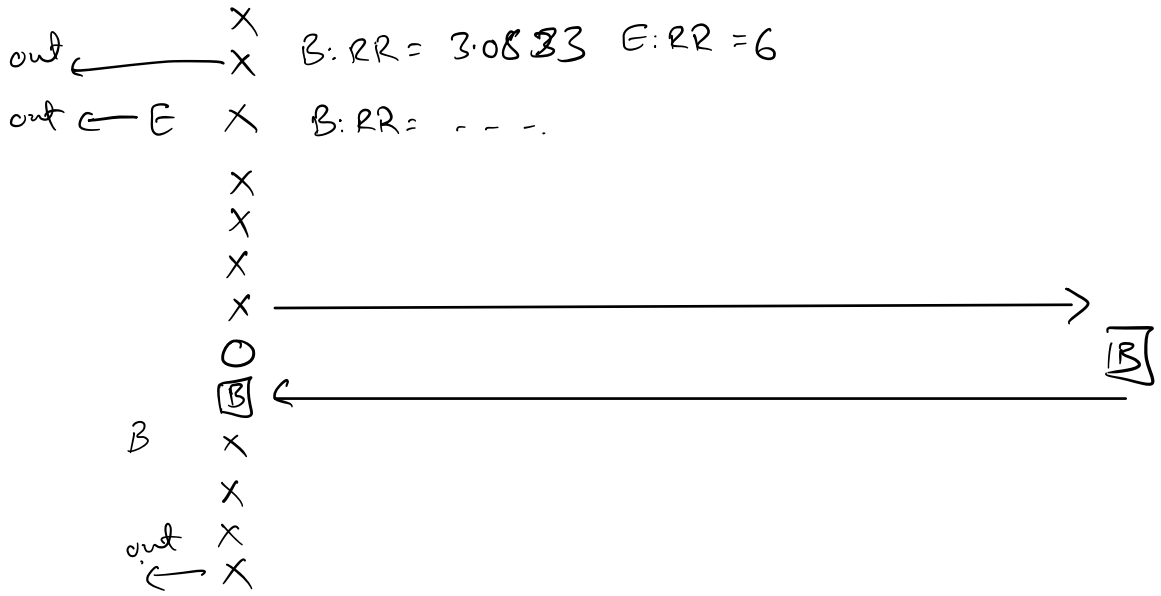
B

A: RR = 1 B: RR = 1

B: RR = 1.0833

R


A
A
C
A: RR = 1.16667 B: RR = 1.0833 C: 1
D
A: RR = 1.5 B: 1.0833 C: RR = 1.25 D: 1
A: RR = 1.666 C: RR = 1.375 D: 1.1
A
B
B
A: RR = 1.6667 B: RR = 1.166 C: RR = 1.5 D: 1.2
E
E: RR = 1
out A
B: RR = 1.33 C: 1.75 D: RR = 1.4 E = 1.5
C
B: RR = 1.666 C: 1.75 D: RR = 1.8 E = 2.5
E
C
C
B: RR = 1.75 C: RR = 1.875 D: RR = 1.9
E
D
E
out D
B: RR = 2.58333 C: RR = 3.375 E = 5
E
B: RR = 2.75 C: RR = 3.375
E
C
C

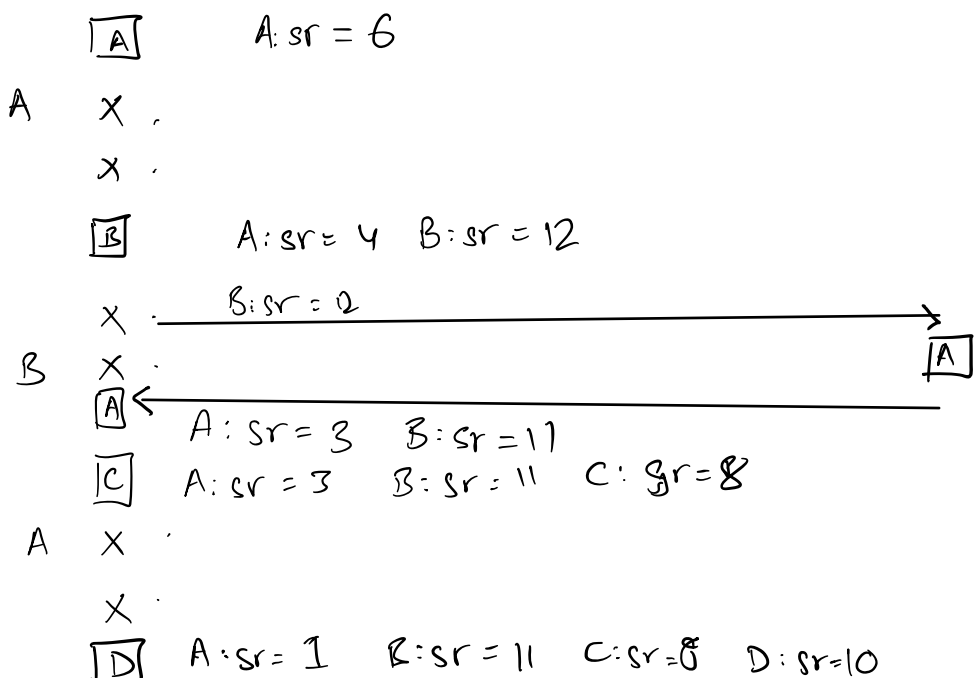


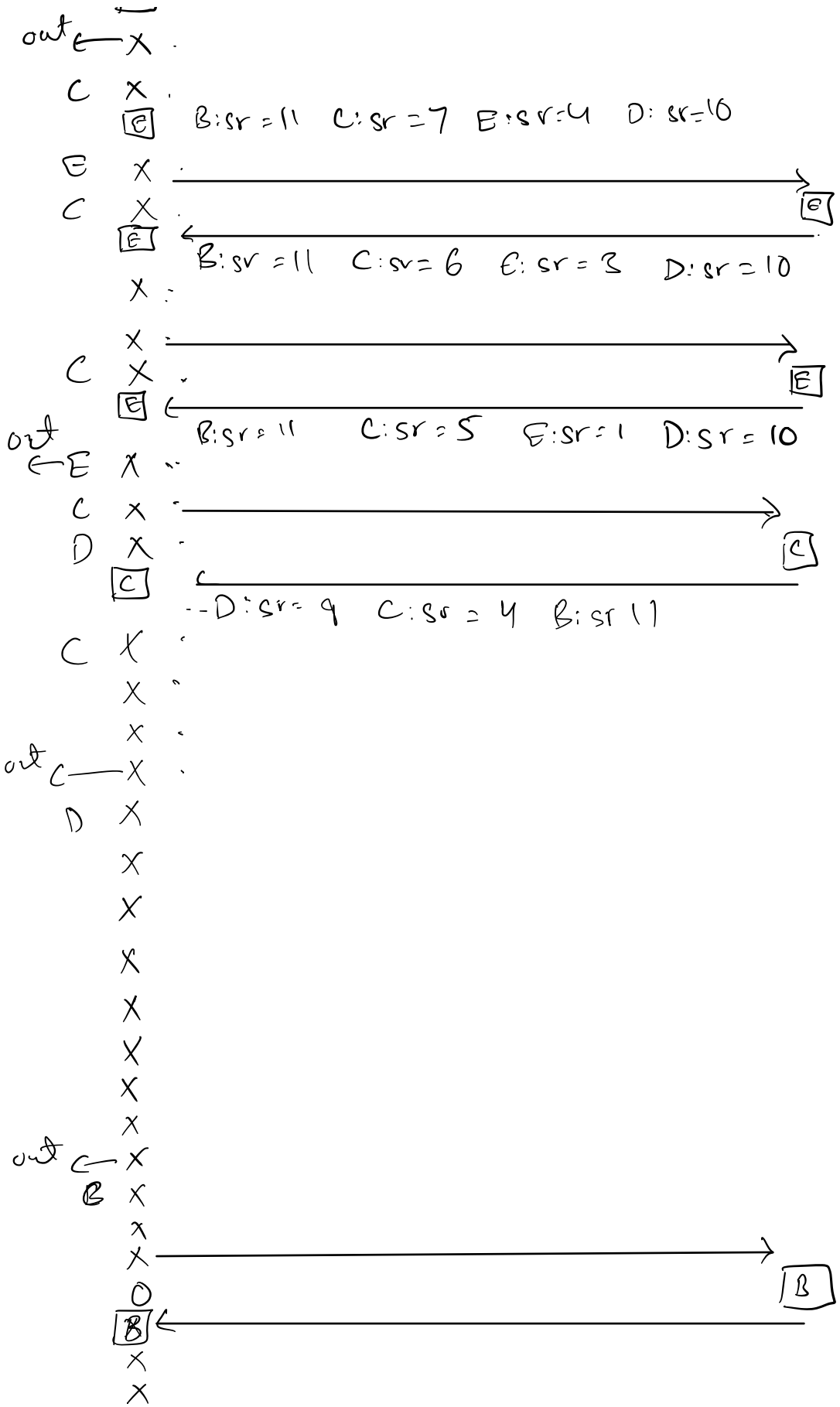
Finish Time A B C D E

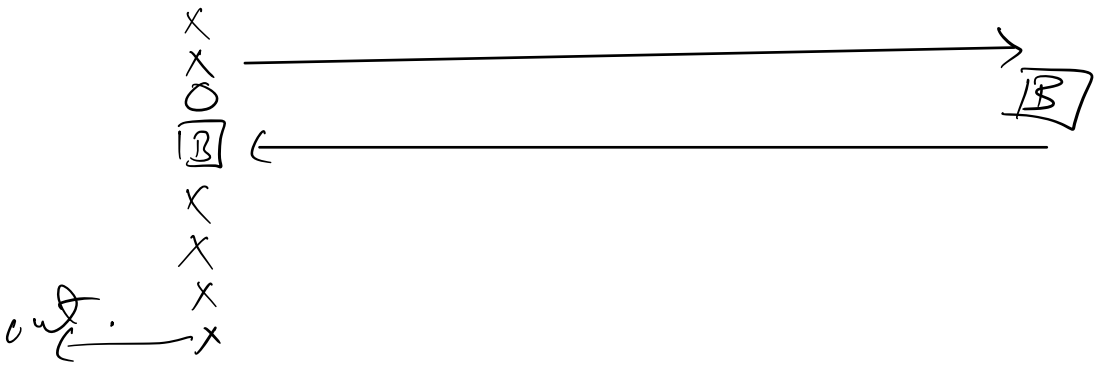
10 41 31 25 32 seconds.

SRT

Run Queue




out
B: sr = 11 C: sr = 7 E: sr = 4 D: sr = 10
B: sr = 11 C: sr = 6 E: sr = 3 D: sr = 10
B: sr = 11 C: sr = 5 E: sr = 1 D: sr = 10
out
--D: sr = 9 C: sr = 4 B: sr 11
out
out



Round Robin

Queue = ADCBE

CB-ED

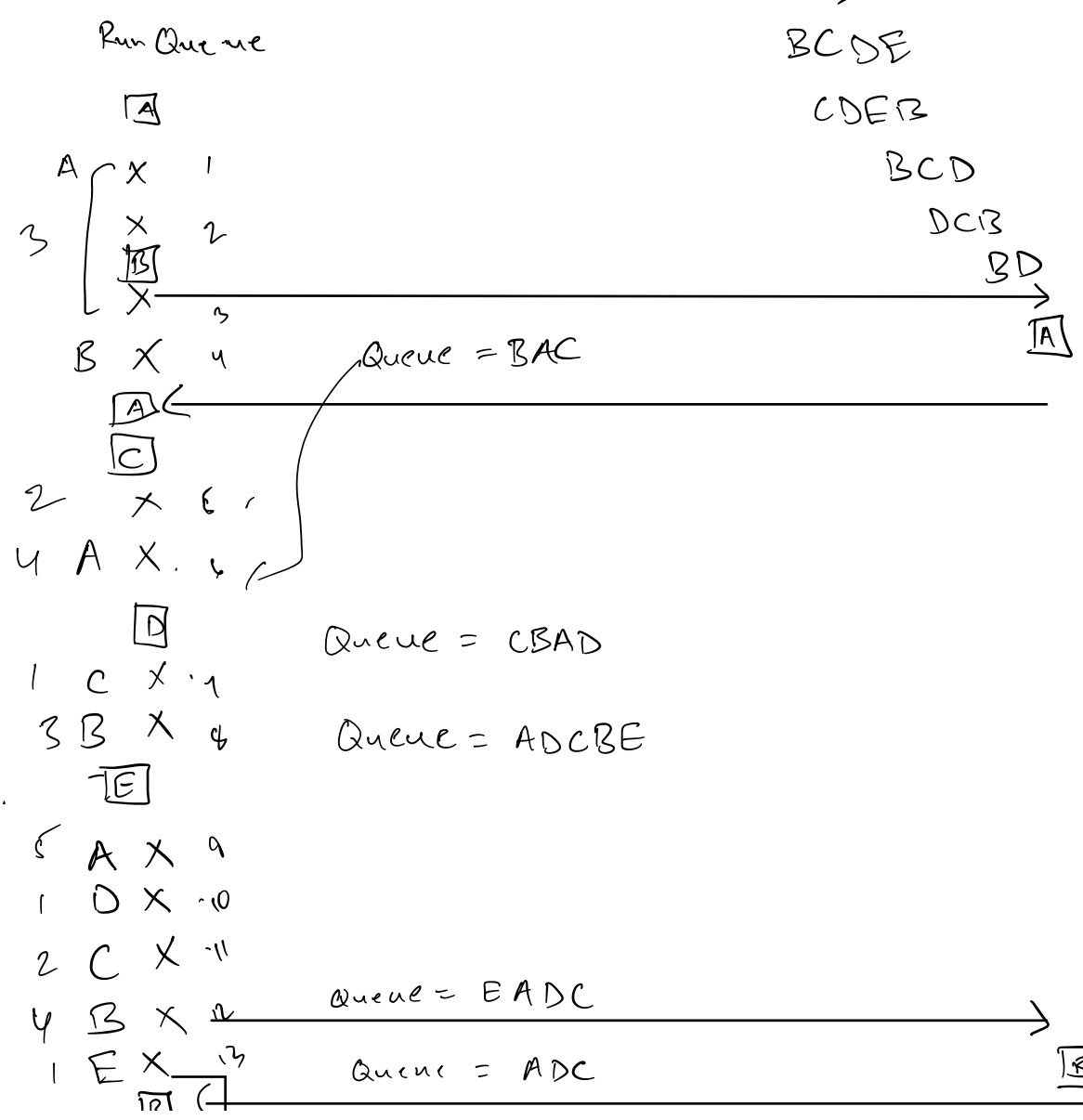
BCDE

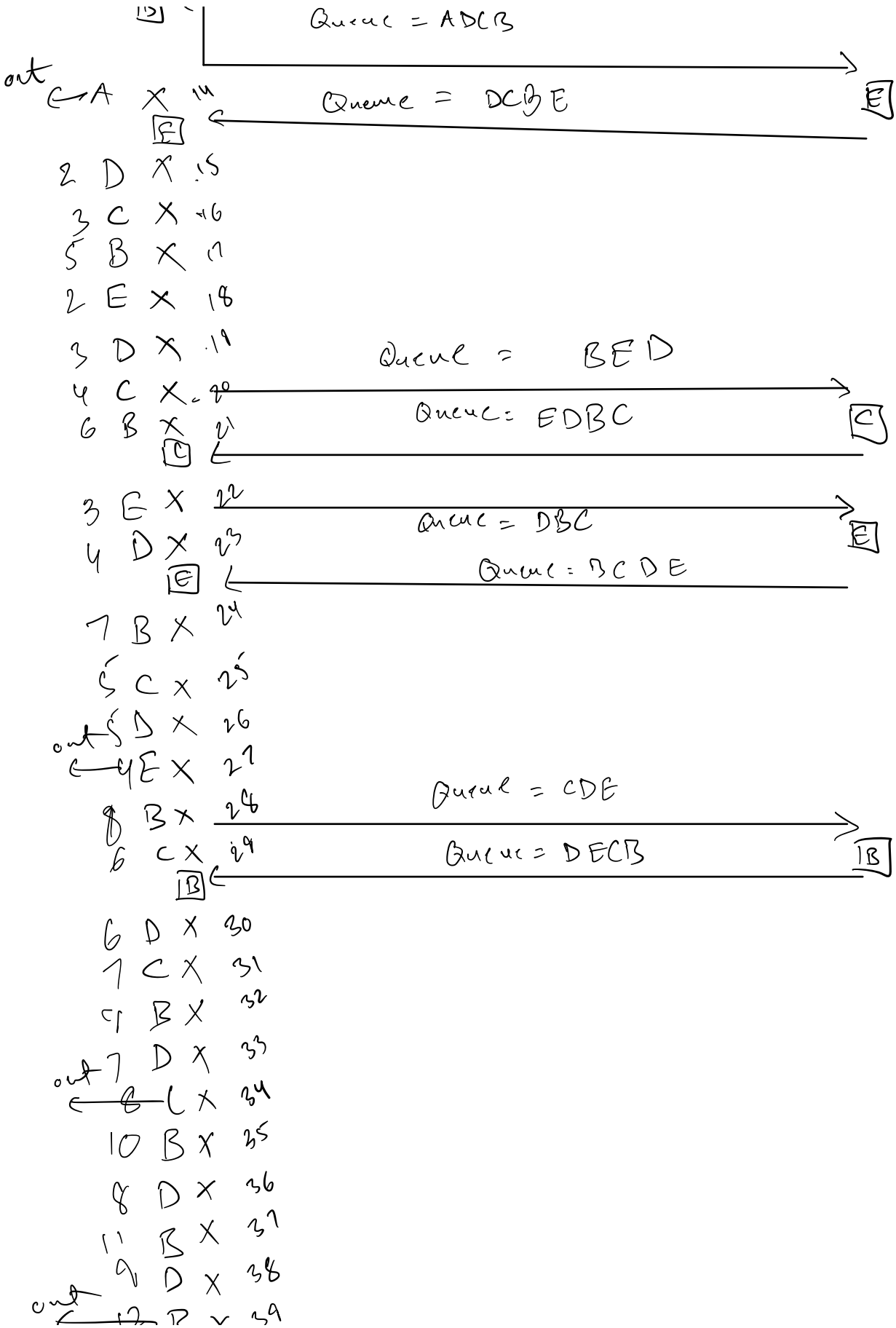
CDEB

BCD

DCB

BD




Queue = ADCB
out A X 14
Queue = DCBE
E
2 D X 15
3 C X 16
5 B X 17
2 E X 18
3 D X 19
Queue = BED
4 C X 20
6 B X 21
Queue = EDBC
C
3 E X 22
4 D X 23
Queue = DBC
E
Queue = BCDE
7 B X 24
5 C X 25
out 5 D X 26
out 4 E X 27
8 B X 28
6 C X 29
Queue = CDE
Queue = DECB
B
6 D X 30
7 C X 31
9 B X 32
out 7 D X 33
out 6 C X 34
10 B X 35
8 D X 36
11 B X 37
9 D X 38
out 10 D X 39

Finish times →	A	B	C	D	E
	14	39	34	40	27