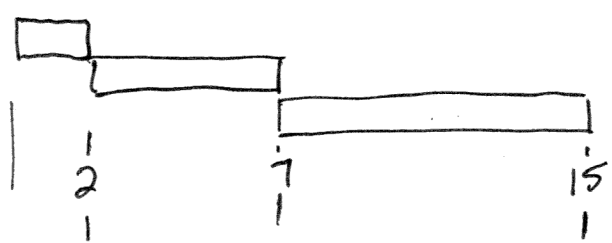
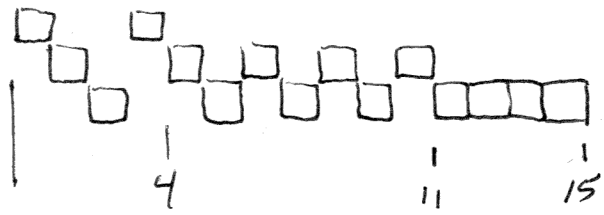


OS HW 7
(1)

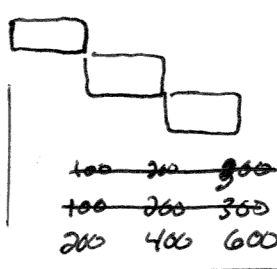
AMPAD



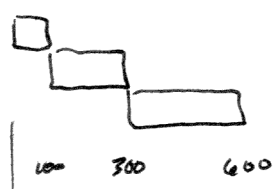
FIFO SJF
turnaround time: ~~8~~
response time: ~~2.33~~ 3
wait time: ~~0~~ 3



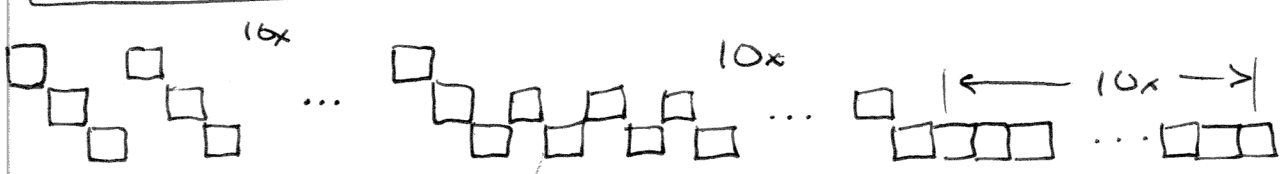
turnaround time: 10
response time: 1
wait time: 5



FIFO SJF
turnaround: 400
response: 200
wait: 200



FIFO SJF
response: ~~333.3~~ 200.0 133.3
turnaround: 333.3
wait: ~~200.0~~ 133.3



x: 1, 4, 7, 10, 13
n: 1 2 3 4 5

$$n = 1 + \frac{(x-1)}{3}$$

$$= \frac{(x+2)}{3}$$

$$10 = \frac{(x+2)}{3}$$

$$\Rightarrow x = 28$$

x: 2, 5, 8, 11
n: 1 2 3 4

$$n = \frac{(x+1)}{3} \mid x=0$$

$$20 = \frac{(x+1)}{3}$$

$$59 = \frac{(x+1)}{3} \Rightarrow x = 26 \Rightarrow n = 9$$

$$(n-9) = \frac{(x-26)+1}{2} \Rightarrow 28 \mid x=28$$

x: 29, 31, 33, 35

x=28: 1, 3, 5, 7

n-9: 1 2 3 4

n: 10, 11, 12, 13

$$n - (20-9) = \frac{(x-28)+1}{2} \Rightarrow x = 49$$

60

response: 1

turnaround: 45.67

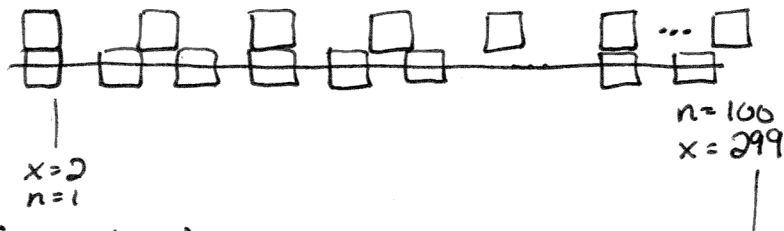
wait: 25.67

$$n = 1 + (x-1)/3$$

$$n = 100 = 1 + (x-1)/3$$

$$(99) \cdot 3 / 3 = x - 1$$

$$x = 304$$



$$(n-1) = (x-2)/3$$

$$n = 100 = (x-2)/3 + 1$$

$$3(99) = x - 2$$

$$x = 297 + 2 = 299$$



$$(n-100) = (x-299)/2$$

$$n = 200$$

$$2(100) = x - 299$$

$$200 + 299 = x = 499$$

$$(n-100) = (x-300)/2$$

$$n = 200$$

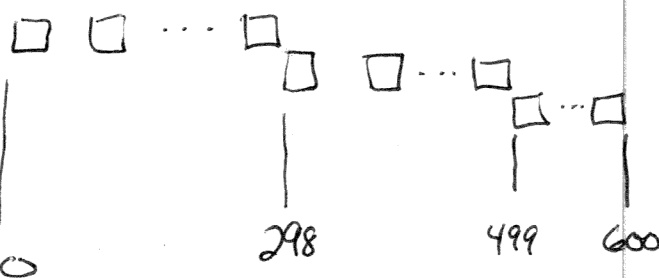
$$2(100) = x - 300$$

$$x = 500$$

$$(n-200) = (x-500)/1$$

$$n = 300$$

$$100 + 500 = 600 = x$$



$$\text{response: } (0+1+2)/3 = 1.0$$

$$\text{turnaround: } 465.67$$

$$\text{wait: } 198$$

$$1 + 198 + 100$$

$$2 + 198 + 100$$

$$265.67$$