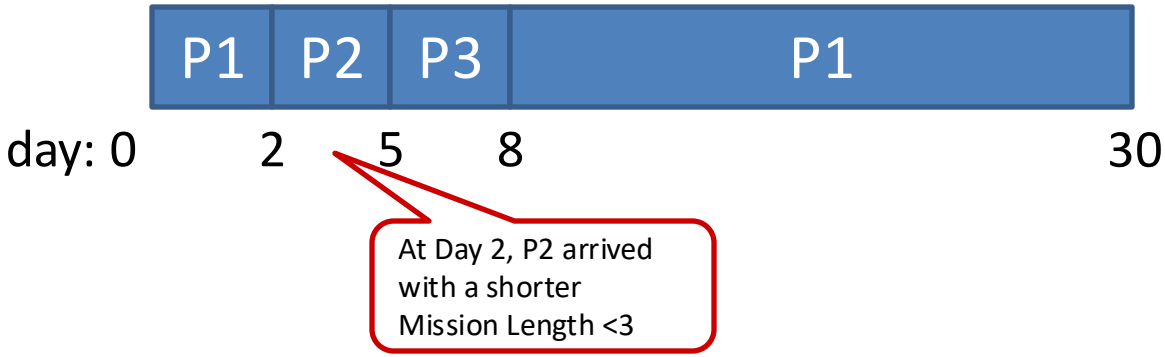
Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival
P1	24	0
P2	3	2
P3	3	3



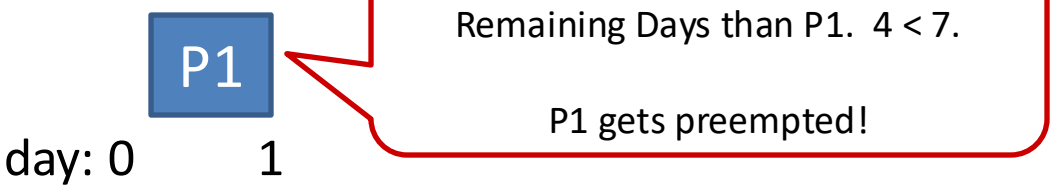
- Turnaround day: P1 = 30; P2 = 3; P3 = 5
- Pounce day: P1 = 0; P2 = 0; P3 = 2
- Nap day: P1 = (0-0)+(8-2)=6; P2 = 0; P3 = 2

Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	8
P2	4	1	4
P3	9	2	9
P4	5	3	5

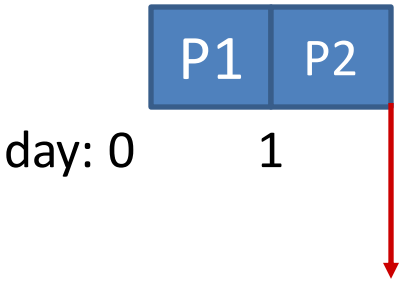
Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	7
P2	4	1	4
P3	9	2	9
P4	5	3	5



Avoiding Cat-astrophe(A Cat-chudon's Journey)

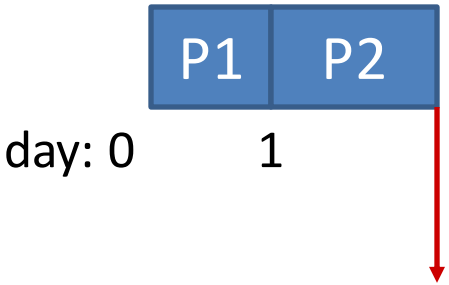
Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	7
P2	4	1	3
P3	9	2	9
P4	5	3	5



At day 2, P3 arrives but its Remaining Days is greater than P2's
3 < 9

Avoiding Cat-astrophe(A Cat-chudon's Journey)

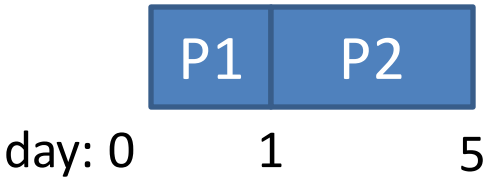
Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	7
P2	4	**1**	2
P3	9	2	9
P4	5	**3**	5



At day 3, P4 arrives but its Remaining Days is greater than P2's
2 < 5

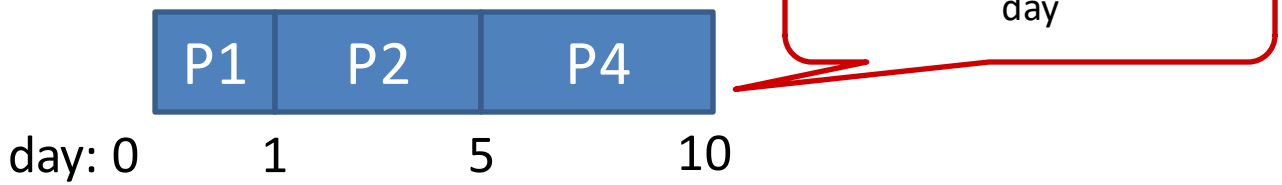
Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	7
P2	4	**1**	0
P3	9	2	9
P4	5	3	5



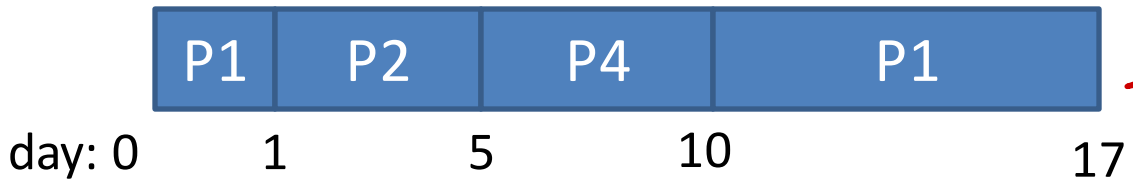
Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	7
P2	4	**1**	0
P3	9	2	9
P4	5	3	0



Avoiding Cat-astrophe(A Cat-chudon's Journey)

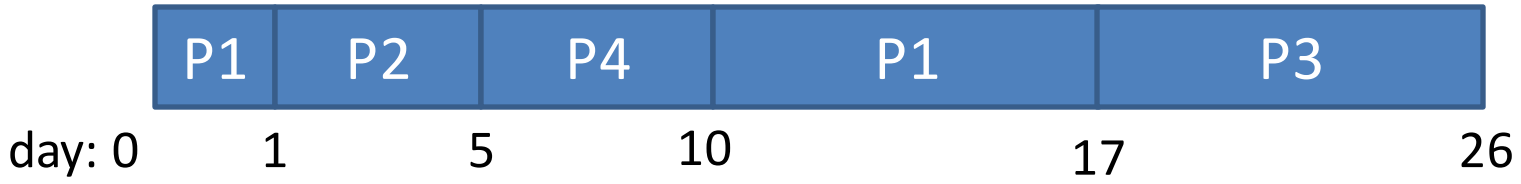
Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	0
P2	4	**1**	0
P3	9	2	9
P4	5	3	0



P1 and P3 are both in the ready queue. P1 gets to execute first because it has lesser Remaining Days.

Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	0
P2	4	**1**	0
P3	9	2	0
P4	5	3	0



Avoiding Cat-astrophe(A Cat-chudon's Journey)

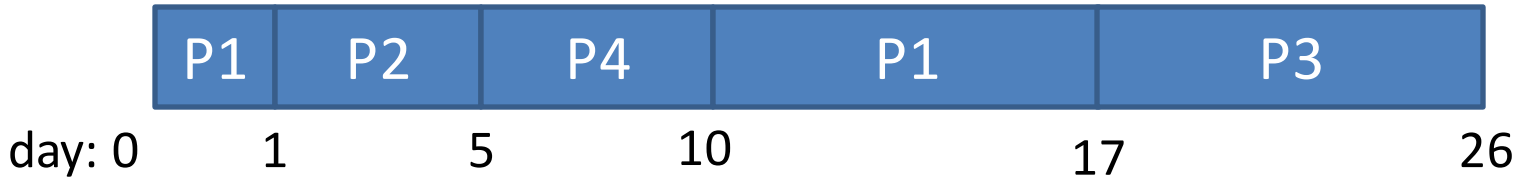
Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	0
P2	4	**1**	0
P3	9	2	0
P4	5	3	0

Turnaround day:

P1	17-0 = 17
P2	5-1 = 4
P3	26-2 = 24
P4	10-3 = 7

Pounce day:

P1	0-0 = 0
P2	1-1 = 0
P3	17-2 = 15
P4	5-3 = 2



Avoiding Cat-astrophe(A Cat-chudon's Journey)

Mission	Mission Length	Day of Arrival	Remaining Days
P1	8	0	0
P2	4	**1**	0
P3	9	2	0
P4	5	3	0

Nap day:

P1	(0-0)+(10-1)=9
P2	1-1=0
P3	17-2 = 15
P4	5-3 = 2