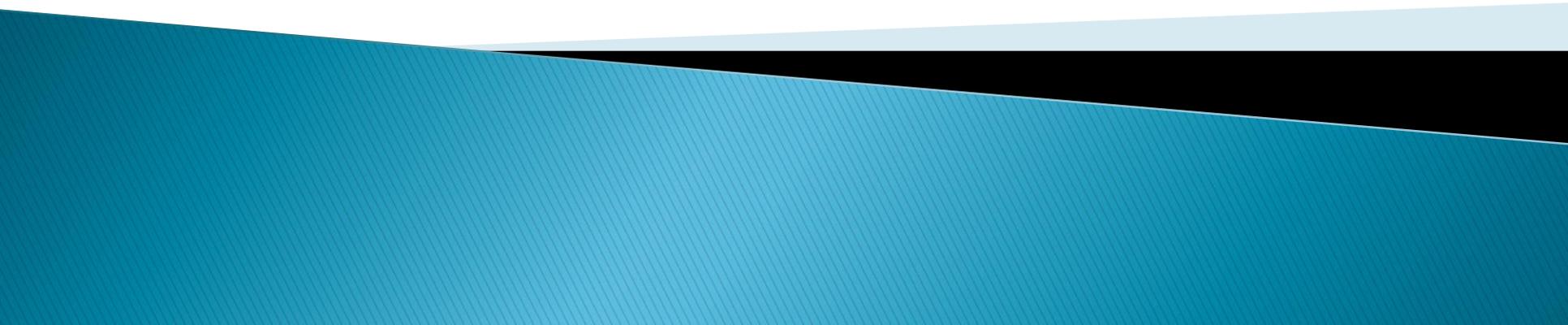
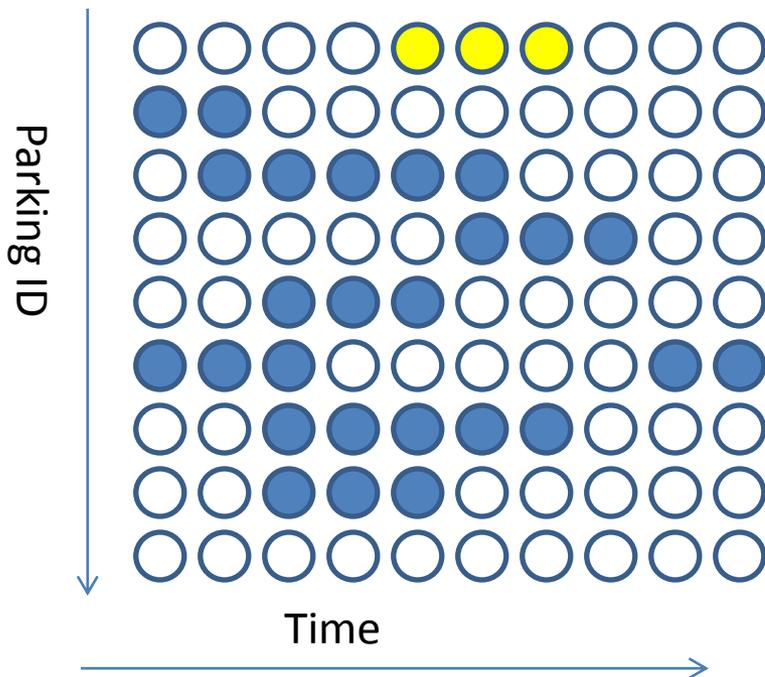


Visual Demonstration of the sort function



- Available
- Reserved
- Our Reservation were trying to move.



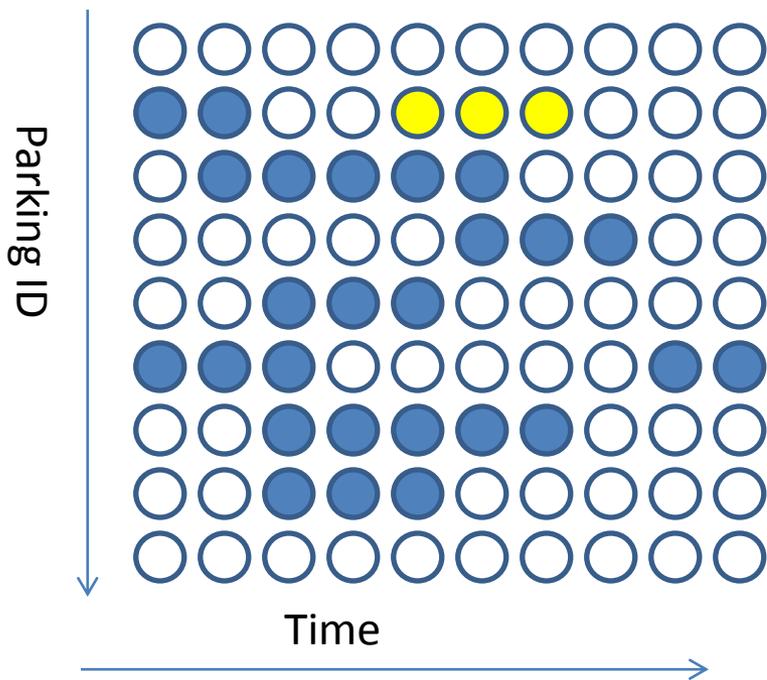
First Pass

Counter initialized to 0

Need to move our reservation:

- Can only move horizontally
- Has to consolidate reservations

- Available
- Reserved
- Our Reservation were trying to move.

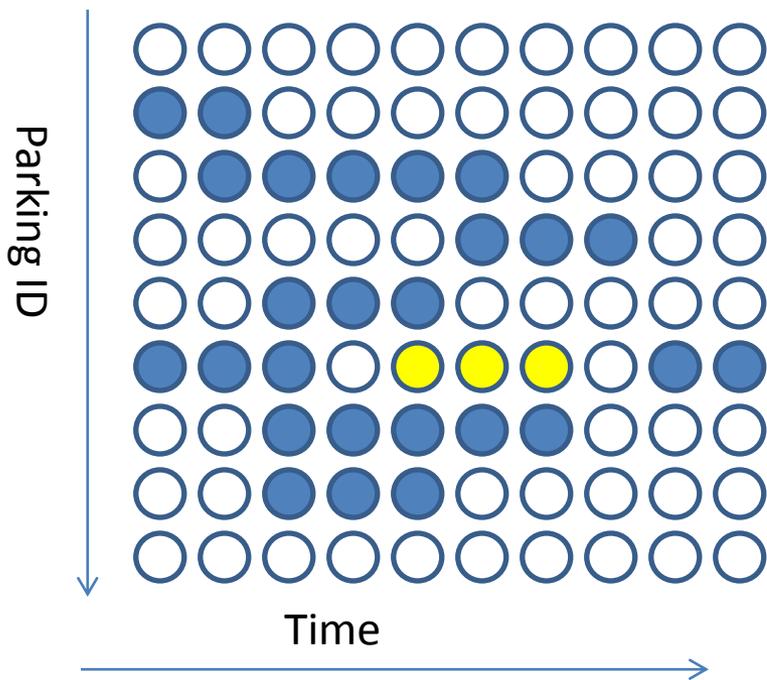


First Pass
Counter = 0

Before counter = 3
After counter = 2

Both greater than counter.

- Available
- Reserved
- Our Reservation were trying to move.

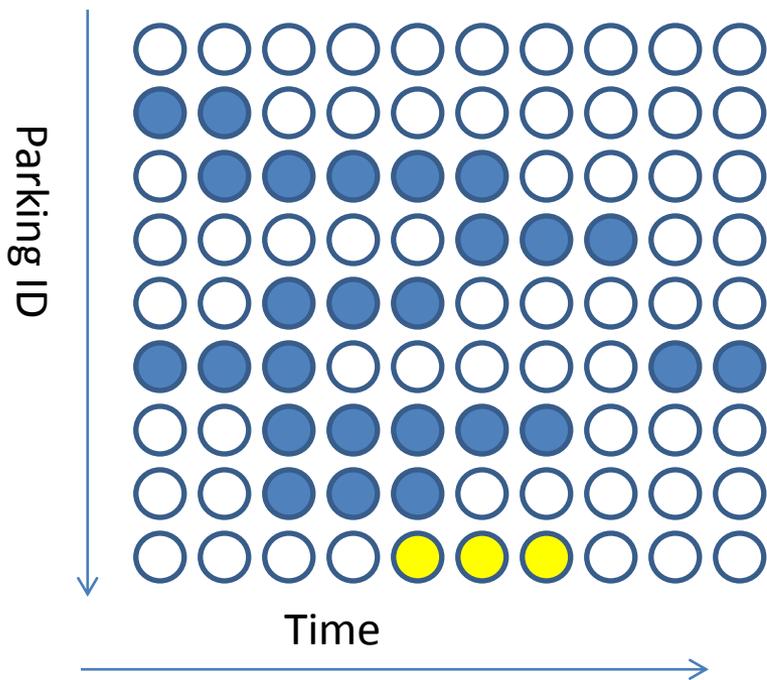


First Pass
Counter = 0

Before counter = 1
After counter = 1

Both greater than counter.

- Available
- Reserved
- Our Reservation were trying to move.

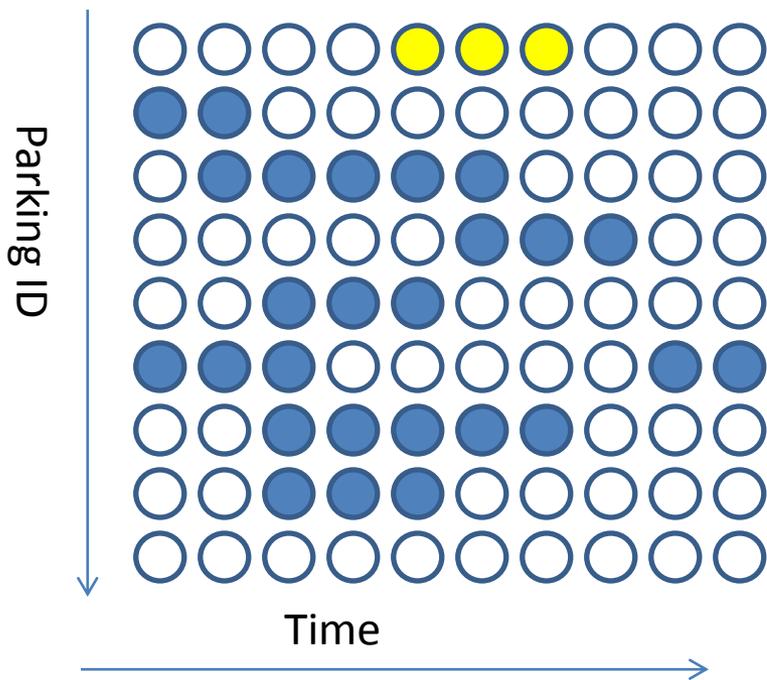


First Pass
Counter = 0

Before counter = 3
After counter = 4

Both greater than counter.

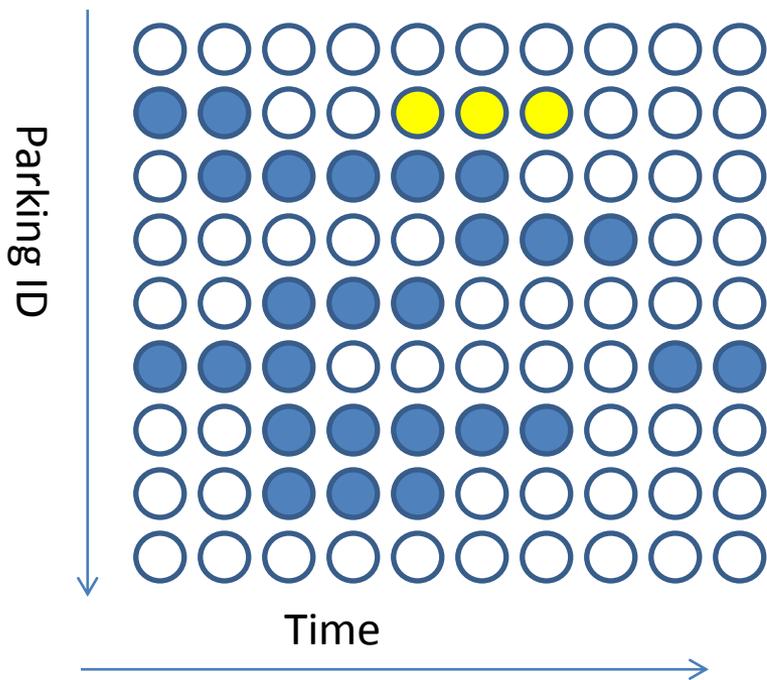
- Available
- Reserved
- Our Reservation were trying to move.



Second Pass; Counter incremented
Counter = 1

Before counter = 3
After counter = 4

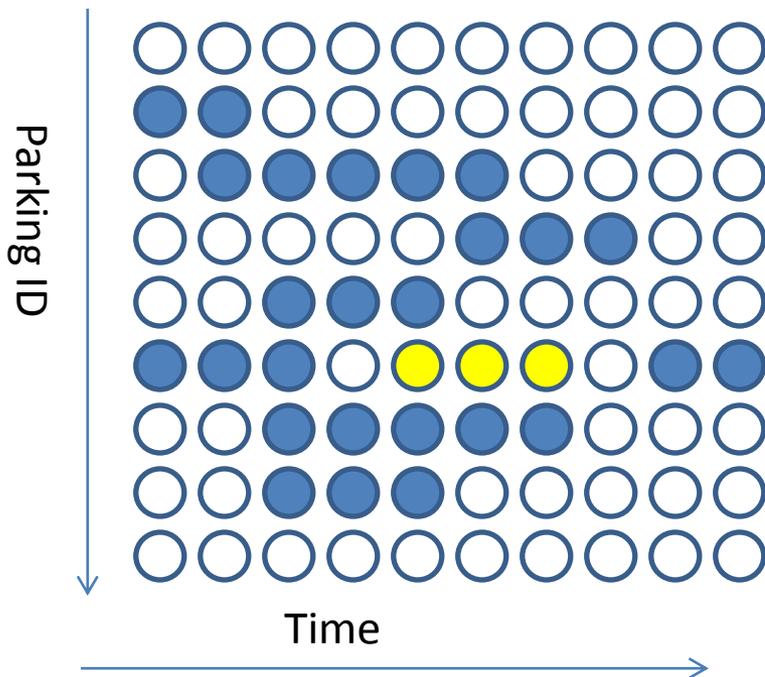
- Available
- Reserved
- Our Reservation were trying to move.



Second Pass
Counter = 1

Before counter = 3
After counter = 2

- Available
- Reserved
- Our Reservation were trying to move.



Second Pass; **** SUCCESS ****
Counter = 1

Before counter = 1
After counter = 1

Both before/after counters were less than or equal to the counter.

Both counters do not always need to meet requirement.