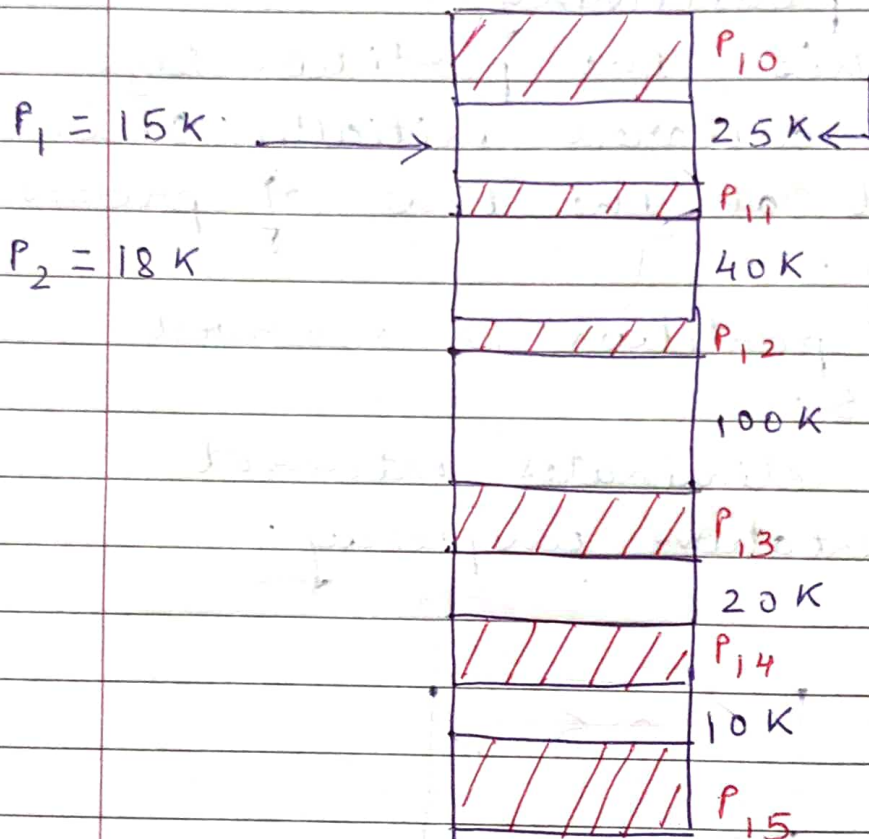


Memory Allocation Strategies

- 1) First Fit - Allocate the first hole that is big enough



Advantage of First Fit

- 1) Easy / Simple
- 2) Less Searching Time / Fast

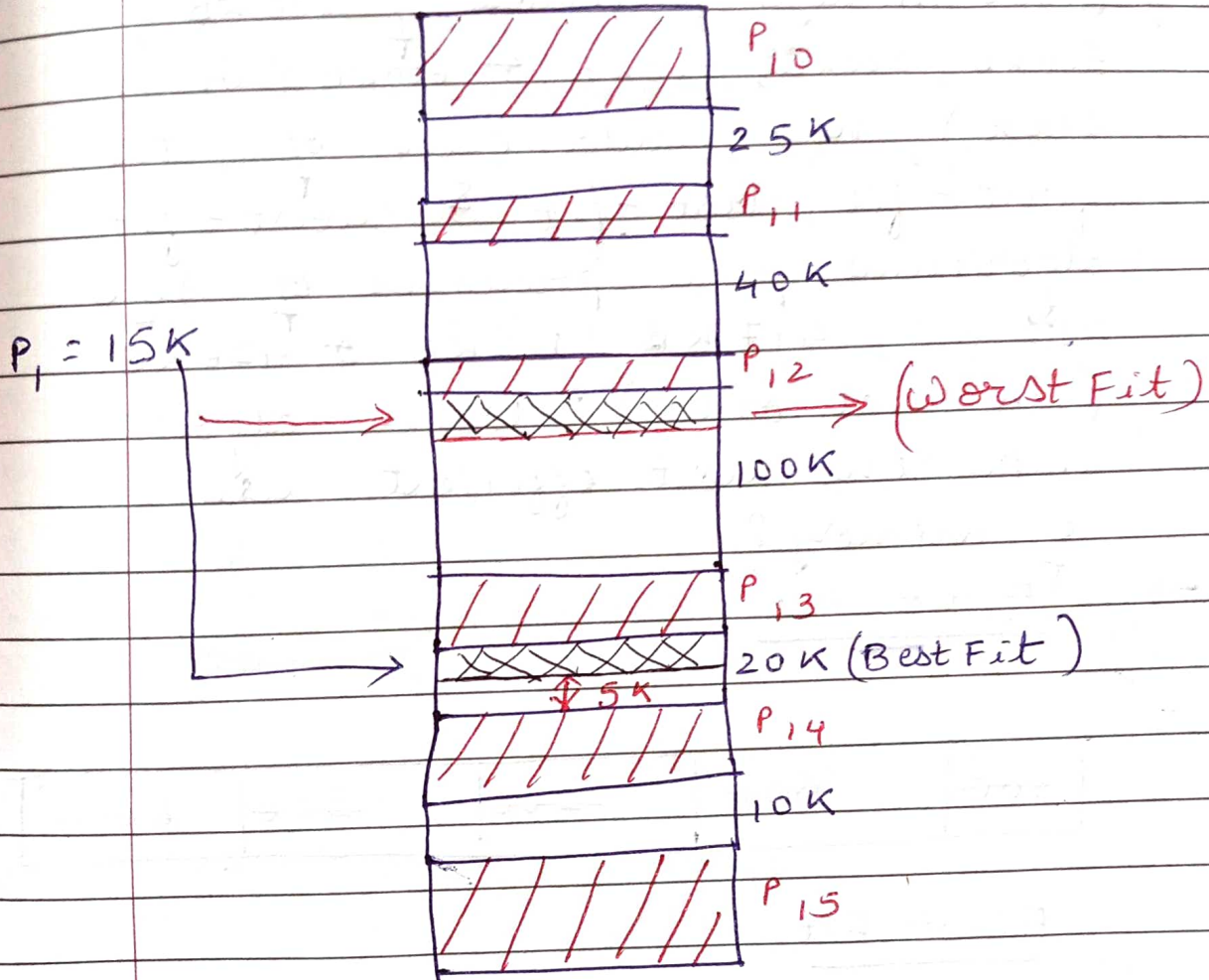
Disadvantage

- 1) Highly fragmented memory.

- 2) Next Fit :- Same as first fit but start search always from last allocated hole.

Advantage :- More Fast as compared to First Fit.

3) Best Fit :- Allocate the smallest hole that is big enough.



4) Worst Fit Advantage of Best Fit
Less external fragmentation
Disadvantage

- 1) It creates more tiny holes where no other process can be allocated.
- 2) Time Consuming.

4) Worst Fit

Allocate the largest hole to a process.

Disadvantage - Slow.

Advantage

- 1) Maximum left over space in which other process can be allocated.