

~~Fixed~~ Contiguous allocation (1)

Fixed Partition:

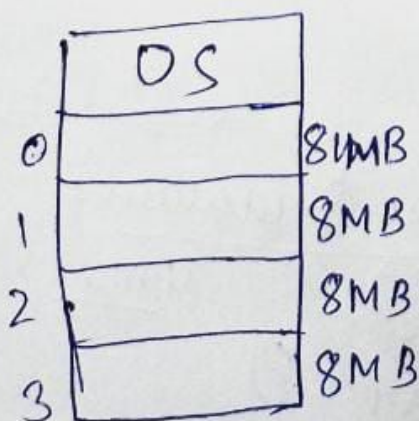
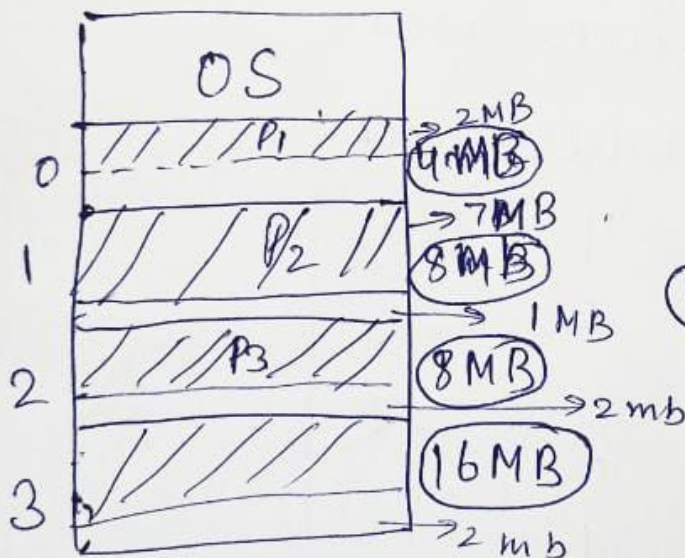
- No. of partition are fixed
- Size of each Partition may or may not same
- Contiguous allocation & spanning is not allowed.

(A) disadvantage:
Internal Fragmentation.

(A) limit in process size.

(A) limitation on degree ~~on~~ of multiprogramming

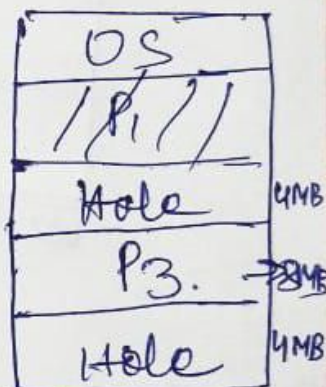
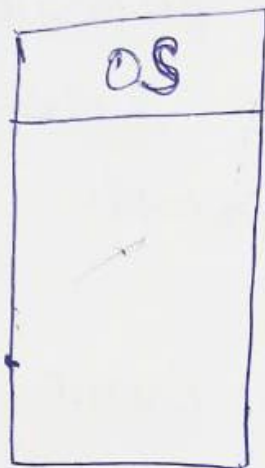
(A) External fragmentation



Dynamic Partitioning ②

or

Variable Partitioning



Advantage

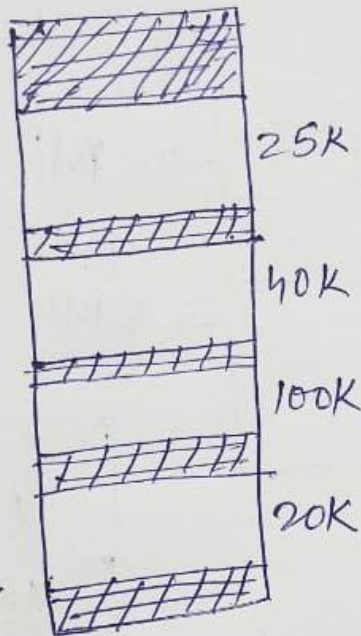
- No Internal fragmentation
- No. limitation on no. of process.
- No. limitation on process size

Disadvantage

- ① External fragmentation
- ② Allocation/deallocation is complex

③

Memory Allocation →



First Fit → Allocate the first hole that is big enough.

Next fit → Same as first fit but start search always from last allocated hole

BEST FIT Allocate the smallest hole that is big enough.

Worst Fit → Allocate the largest hole.