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When can we say we have a cache hit?
When we need to read value of a certain memory location and we find it in the cache

The technique that is similar to paging system with swapping where processes reside in secondary memory and pages are loaded only on demand not in advance is
Demand Paging

When does a page fault happen?
When an executed program access a memory page that is mapped into the virtual address space, but not loaded in physical memory

This phenomenon, in which there is wasted space internal to a partition due to the fact that the block of data loaded is smaller than the partition.
Internal fragmentation

One of these is not an advantage of Semaphores
Semaphores may lead to a priority inversion

A solution to the producers â€“ consumers problem must satisfy the following conditions except
A producer must overwrite a full buffer

Dynamic partitioning causes
External fragmentation

The technique that describes where a process A of size 678k to be executed but first loaded into the main memory and the available size of the main memory is 295k so process A is swapped onto the disk and parts that needs to be used currently are swapped into the main memory and swapped out of the main memory upon completion till process A is completely executed
Virtual memory

The method of dividing memory into independent address space is called
Segmentation

What is swapping in memory management
A technique used to temporarily remove the inactive programs from the main memory of the computer system

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