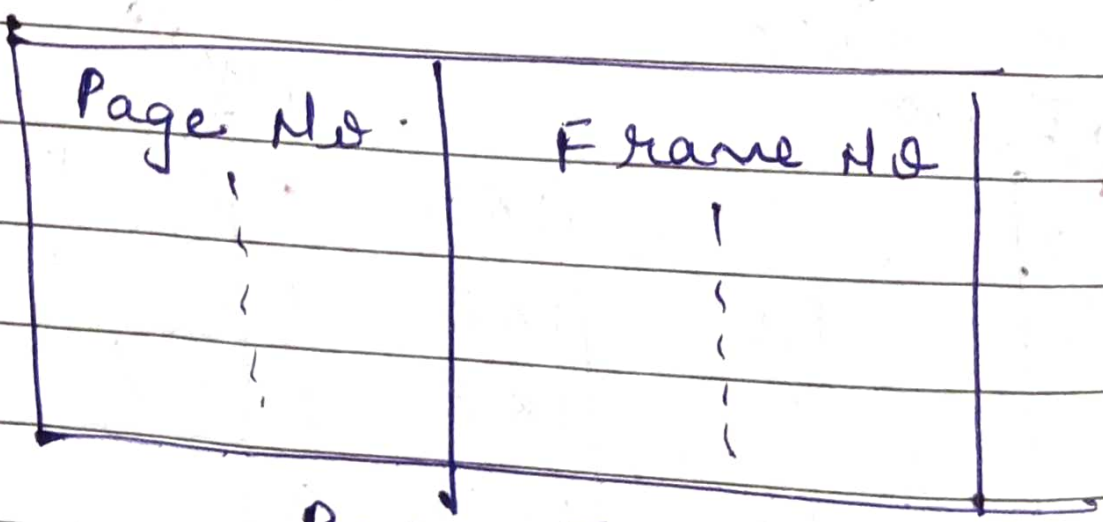
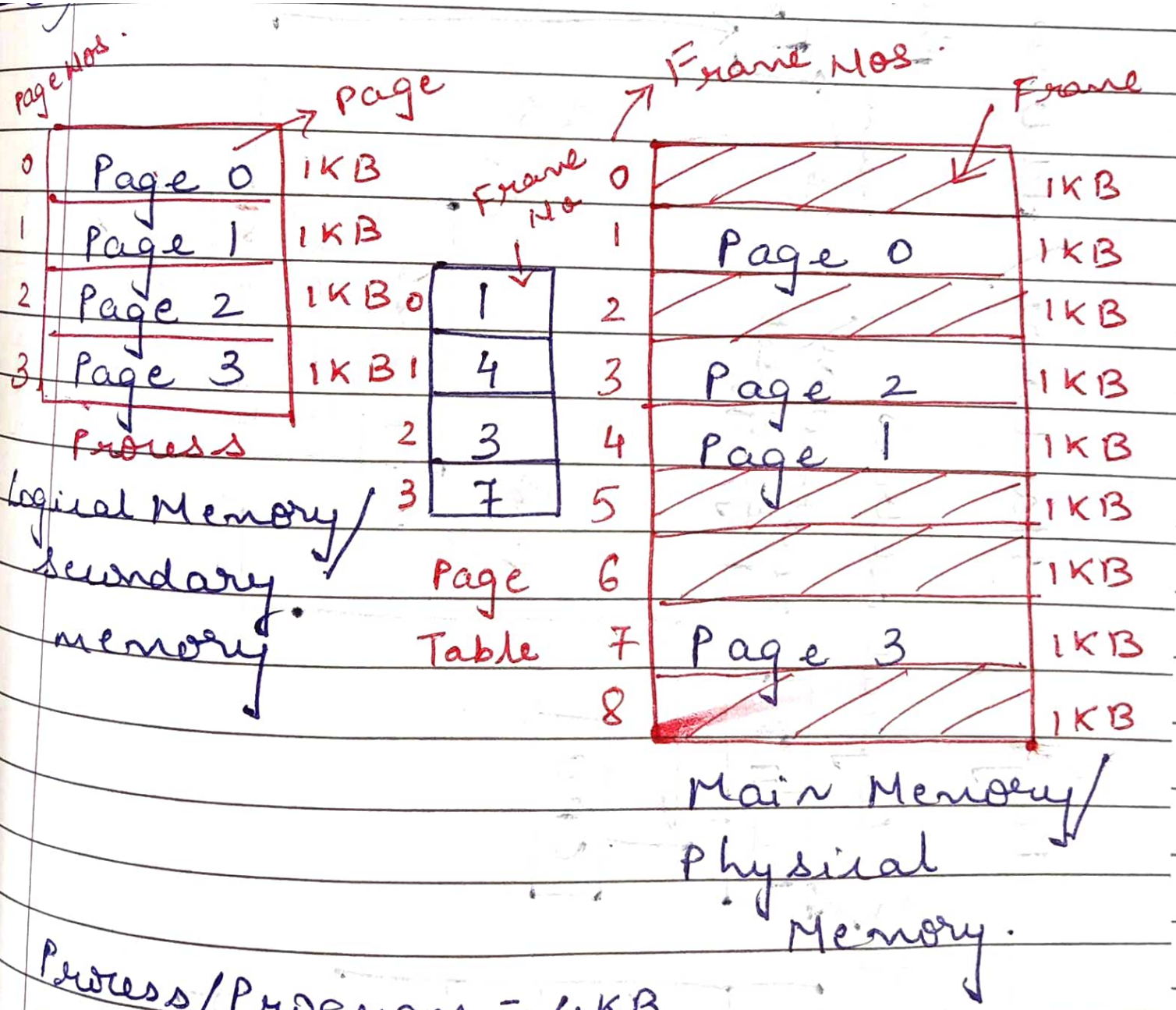
* Paging (Non-Contiguous Memory Allocation)

- In paging main memory is divided into equal size frames.
- Also each process is divided into small chunks known as pages.
- The chunks of a process are known as pages & chunks of memory are known as frames.
- Always remember, size of page is equal to size of frame.
- A frame holds one page of data.

- But we need to know which frame is holding which page & for this reason page table is needed.
- Page table accepts page no. as i/p & generates frame no. as output.
- Each process will have seperate page table.



Page Table.



Process/Program = 4KB

CPU wants to execute Program, load it from secondary memory to main memory.

Paging Hardware / Address Translation in Paging