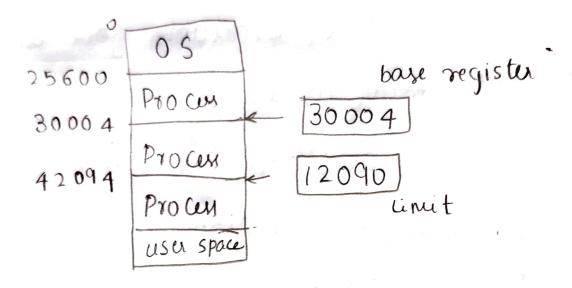
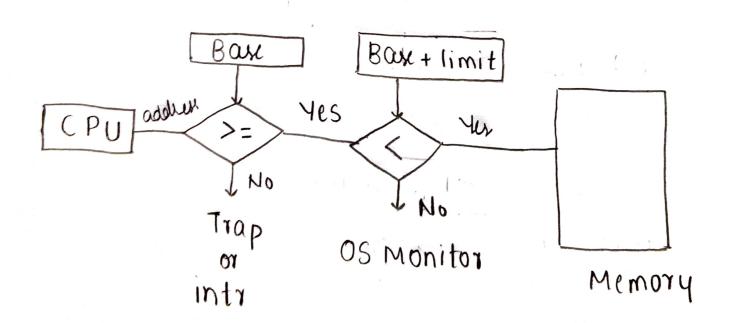
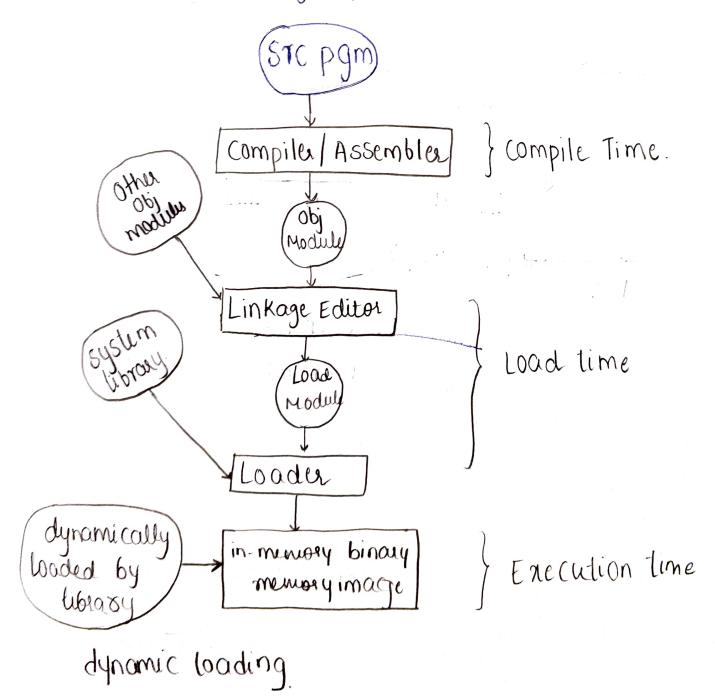
UNIT-IV Memory Management



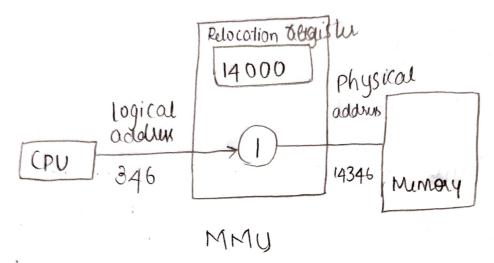
Hardware Address Protection with base and limit registus.



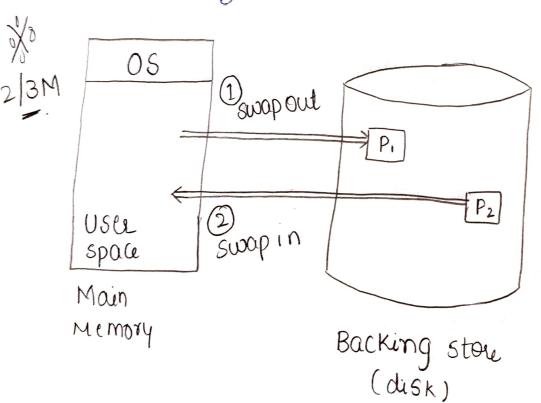
- * Addless Binding.
- 1. Compile Time abs code
- 2 Load Time relocatable code
 - 3 Execution Time.
- * Multistep processing of a usexpgm.



Dynamic Relocation using relocation address



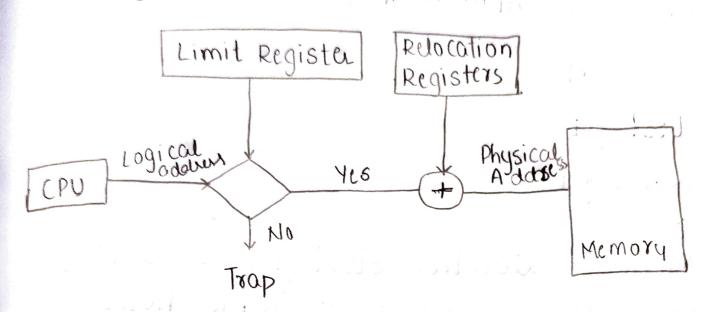
Swapping:





13-3-2020

Contiguous Memory Allocation.



Process - 10 MB size

Transfer rate - 40 MB

10000/40000 - 4 Sec

Swapin/
$$x = \frac{2}{516}$$
 ms

Fined size Partitions.

Methods to Allocate memory

- 1. First fit
- 2. Best fit
- 3. Worst fit.

Memory allocation strategies used to free holes from a set of available holes

- 1. First fit : allocate the first hole i.e.
 big enough
- 2. Best fit: allocate the smallest hole i.e. big enough
- 3. Worst fit allocate the largest hole; after searching the entire list of holes

Assume a system in which there are memory partitions or holes of 100 k, 500 K, 200 K, 300 K and 600 K in order and there are processes to be allocated which are of the

size 212 K, 417 K, 112 K and 426 K. Find the best strategy also the total amount of free memory space

