Memory Management printf -> High level Allocation Deallocation 010101 -> Machine Memory Allocation: Process Control Block - Contiguous -> (Block) - Mon-Contiguous -> (Divided) Command line args Stack heap 40K hole 10Knote Stategies in Contiguos 1/2 10x hole First fit (fast Next 1st Cheeks leftoner tiny holes to 25K 1- Pander Process 15K 40K onceanin 100K 1515 Werst Core DOK

CPU -> Logical Address Physical Address - (Moru) Requests from Processes are: 300K, 25K, 125K, 50K 150K -> Not suitable Best fit
First fit -> Surtable Both: None.

Os Mursday Managarende Continues Allocation Non-Continuous A Dreadwording & Coff out voles First · Best Internal fragmentation . Worst Try holes 30K YOK XXXXXXXXXXX 20n *XXXX LOW

6666 Both have lone size 32KB process frame she = 4KB physicalenery Page Size YKB MMU Glenory Maragerent Unit) Swap an Page Table on Virtual Mon; CPV-> logical Page # frame # for wrong worry and physical oteram Regolves Mo

Campachen, rundine to create larger block Decimal Witval address 1) 200000 page Size= 4KB tofred (page no, disel) for 4KB and 8KB 32768 pge size= 8084KB, 8KB 60,000 2048 20000 5 4.88 4096 4096 x4= 16384 = (4, 3616)

32 bit Virtual Address Space. 4KB Page Size No of Poges=) 2342 210=1024 2 12 2048 26 = 4096 Virtual Address to Physical Deldress