

Tutorial

UNIT-III

Problem 1

Consider a swapping system in which memory consists of the following hole sizes in memory order: 10KB, 4KB, 20KB, 18KB, 7KB, 9KB, 12KB, and 15KB. Which hole is taken for successive segment requests of (a) 12KB, (b) 10KB, (c) 9KB for

- ❑ First Fit?
- ❑ Best Fit?
- ❑ Worst Fit?
- ❑ Next Fit?

Problem 2

Fill in the rest of the table. The first row is done for you as an example.

Virtual Address (bits)	Memory Page	Page Table Entry (bits)	Virtual Page # (bits)	Page Offset (bits)	Addressable physical memory
16	256 B	2	8	8	1 KB
32	1 MB	4			
32	1 KB	8			
64	16 KB	20			
64	8 MB	16			