Name - Atishay Jain	
E.No 21103285 Date	
E.No 21103285 Date	
A A A VILT DIDILATED	-
al 1 The logical address chocation in the	
al 1 The logical address does not exist proceed on in the memory whereas physical address is a location in the memory whereas physically.	
memory whereas physical accessed physically. memory that can be accessed physically.	
2. The logical address is generated by the CPU whereas	t
2. The logical address is generated by Memory Managemen physical address is computed by Memory Managemen	
Unot (MMU)	
Once Control	
Q. The major advantage of this scheme as that it is	n
ejective mechanism for code of data sharing egronly	
al lection will eligible to the contract of th	
one cohi, of an early or a company	
momory. Inother advantage as promise	
and expended the analyse one isk pourse against	
modification. The only cusar vantage is	
code + data must be separated.	
03. Been Paging is implemented by breaking upan	
address unto a page of offset number. It is most	
contribute to break the acident into X base bile fy	
efficient to break the address into x page bill fy	
offset bit, rather than perform arithmentic on the	
address to calculate the page no. 4 offset because	
each bit position represent a power of 2, splitting	
an address b/w bits no results in a page size	
that is a power of 2.	
04. By allowing two entries in a page table to print	
parent to the same hope learne in memory used	
position of data "Colors, Marie and "Colors, Marie	
can set share code + water copying wise amus	*
point to the same page frame in memory, users can be share code & data "copying" large and a momory could be affected by having different page	ge
tables point to the same memory location.	

Spiral

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Dat	0				
2000	6111	****	16000	****	

05. Since	segment tables are a collection of bore-limit
Registe	ous, segments can be should when entres to be
Segment	table of two different jobs point to the
Same -	physical locat". The two segment tables must
have t	ie the same in The two processes

Of Both there suduce to a program being about to superence both its own code fiduta without knowing the segment or page no. associated with the adam.

MUTITICS solved this by associating is superences to be indirect through a sugister that maps to the current segment or page no.

Main Memory >

200 * 400 × 600 4 500 to 4 300 to * 250 to ->

PY = 491KB P2 = 210 kB P3 = 468 kB

as Floor Fit >

20063 400KB GOOLES 500KB 300KB 250KB

P4 can't be allocated the memory because no partition 812e in greater or equal to P4

Spiral

Date	Date
b) Best Pit	apto amount the grade with the con-
PI PY P3 ROOKB 400 KB 600 KB 50	
() Worst Fit	
200kB 400kB GOOKB 50	olb 300kB 210kB
P3 + P4 can't be	allocated memory.
	d of the 198 The transition of
Let the size of page	
For a segment of & be 213-k + so we n	pize 213, no. of pages segd will sed 213-k page table entres.
Now, the size of en	this must be less than or equal
$2^{13-k} \times 2 = 2^k$ x = 7 bcls	(Page table entry a 2 sythis
So, page size = 27	
	of some to damp is all
Sural	Shinal.

Date	Date
09. No of Pager of	or a segment = $2^{16} = 27$
Bils needed for page	Grame edentification.
+ I valid bit + 3 page protecti	on bills
+ 1 ducty bit	r a page table entry.
Size of each entry =	2 bytes = 16 bitu_ ging = 16-12 = 4 bitu
0 0 0	