	Page No.	
	Allutation of Distance	
	Allocation of Disk Blocks	
	(kernel) Pwrite File	
	Tallocated	
	Disk	
	Whenever process wish to write contents to file, kernel	
	ptovides free disk blocks	
	The second of the second of the second	
*	To keep track of free dist block, super block maintain	щ
į mag	an array (nexts- sup make rile system - maintains	
	an array (nikts-sys make file system - maintains	
* 1	tree dok block en linked list manner	
	Data block) Data 18/1/2 3	
	Data block	
	lock (Array of)	
E ach	Data block Array of The Disk blocks	
main	MSP .	
1ist obree	link list of free disk block	
()	Super block list (First block on linked list) free disk block numbers	
e.q	Super block list (First block on linked will free and	
7.		
	109 106 103 100 1 48 1 Data blk	
3. A	so the same of the	
X	9 211 208 205 202 112 Dura bik 9	_
	The state of the s	
	310 307 304 307 214	
	310 307 304 307 1214	۰
	Fig. Duginal configuration	

* when the kernel wants to allerate a block from file system, it finds the next available block in the super block list & subreales it. * Once it is done, the block can not be redelected until it becomes free + For last block - if allocated block in last block in super blook cache, the keend treate it as a see pointer to the block while contains list of free blocks (normally next block in link list) - kernel then teads that block, A fill the super block array with - The proceeds to use the Original block number. Ald one - keend allocates a buffer for the ad uso Most block (to store ptr. information) & eleans the buffers data (zero it) - Novo the disk block has been assigned. There is no face blocks, calling process process demands repeatedely

	Date
	Super block list
	Super hlotk list 211 208 205
	310 307 1 300 [-[-1]
	Fig. after allocating block log to proces.
	α
	Freezing disk block
*	Algorithm for freeing disk black in the reverse of allocating blocks.
	of allocating blocks.
_	
	It super block list not full -> the block number is placed on it.
×	If super block list es full -> newby block becomes link block.
	link block.
	Sb)
	119
	211 208 205 120
	[20]
	@ Original configuration @ after assigning blk 95
	Sb1
	119 950 128
	211 208 120 344 340 243
	123
	(b) after freeing the block 950 (D) after assigning blk 109
	V