

dukos kan

Unit: Free Blocks ~~and~~ Management

17

- a) allocate 5 blocks
- b) free block 27
- c) allocate 5 blocks
- d) allocate 1 block
- e) allocate 3 blocks
- f) free blocks 23456, 8345345, 56, 634534

Block #	17	18
Next Block	18	0
	4589	24353
	43546	98745
	718	76345
	345	9877
	23456	7345
	8345345	34535
	634534	754698
	3478	967
	56	8657

a)

Block #	17	18
Next Block	18	0
	4589	24353
	43546	98745
	718	76345
	345	9877
		7345
		34535
		754698
		967
		8657

b)

Block #	17	18
Next Block	18	0
	4589	24353
	43546	98745
	718	76345
	345	9877
	22	7345
		34535
		754698
		967
		8657

c)

Block #	17	18
Next Block	18	0
		24353
		98745
		76345
		9877
		7345
		34535
		754698
		967
		8657

d)

Block #	18
Next Block	0
	24353
	98745
	76345
	9877
	7345
	34535
	754698
	967
	8657 17

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e)	Block #	18	f)	Block #	634534	18
	Next Block	0		Next Block	18	0
		24353				24353
		98745				98745
		76345				76345
		9877				9877
		7345				7345
		34535				34535
						23456
						8345345
						56

2)

~~There~~

If there is a large storage system with very ~~low~~ few blocks left, ~~the~~ the linked list approach uses less space, since the Outmap saves the state of all the blocks, while the linked list only saves free blocks.