

1.)

Block #	17	18
Next block	18	0
	4589	24353
	43546	98745
	718	76345
	345	9877
	-	7345
	-	34535
	-	154698
	-	967
	-	8657

Block #	17	18
Next block	18	0
	4589	24353
	43546	98745
	718	76345
	345	9877
	22	7345
	-	34535
	-	154698
	-	967
	-	8657

Block #	17	18
Next block	18	0
	-	24353
	-	98745
	-	76345
	-	9877
	-	7345
	-	34535
	-	154698
	-	967
	-	8657

Block #	-	18
Next block	-	0
	-	24353
	-	98745
	-	76345
	-	9877
	-	7345
	-	34535
	-	154698
	-	967
	-	17

Block #	-	18
Next block	-	0
	-	24353
	-	98745
	-	76345
	-	9877
	-	7345
	-	34535
	-	-
	-	-
	-	-

Block #	634634	18
Next block	18	0
	-	24353
	-	98745
	-	76345
	-	9877
	-	7345
	-	34535
	-	23456
	-	8345345
	-	56

2.)

The linked list approach uses less space than the bitmap approach, when the drive has only around 30 GB (28,990,325,760 bytes to be precise) of free space left.