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1

A: There is simplicity in this design but you lose some efficiency. In addition there can be internal fragmentation
B: Any size is dynamic, and efficient space wise as the only things used is the space needed. It may have external fragmentation and coalescing problems though.

2

16*12 = 192 KB
12*1024 = 12288 / 4 = 3072 KB
3072*3072 = 9437184 KB
3072*3072*3072 = 2E10 = 2E10 = 27648 GB

27657 GB 3264 KB

3

It should be able to because the free space still exists. It can be found linearly.