

CS 342

Project 3 Report

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- For allocation

bytes	
100	0.003 ms
1024	0.003 ms
64	0.002 ms
220	0.003 ms
2048	0.004 ms

- For free

bytes	
100	0.002 ms
1024	0.001 ms
64	0.017 ms
220	0.056 ms

As seen from the results above, time values are very close to each other. This is actually an expected result because there is no need to check for the type of memory being allocated during allocation. There is only a memory space being cleared and assigned to a variable. This also holds for free (de-allocation) as well. Also, there is no fragmentation because memory size is an integer multiple of 16. As a result, there is no correlation between allocation and de-allocation times.