**BLG335E Algoritms**

**Report of Homework 1**

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1. Upper bound of merge sort: n.logn

Upper bound of bubble sort: n^2

1. N=1000

M: 0.000sn

B: 0.004sn

N=10.000

M: 0.002sn

B: 0.452sn

N=100.000

M: 0.026sn

B: 47.968sn

N=1.000.000

M: 0.6sn

B: 4612.308sn

C)