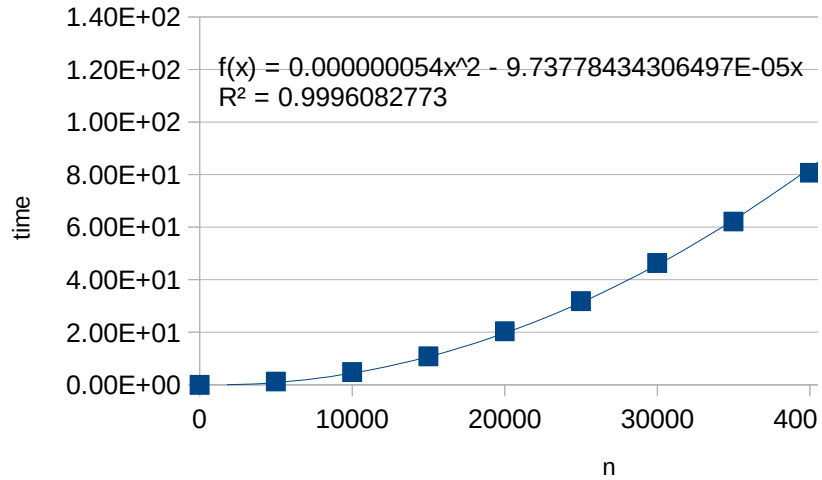


AVERAGE CASE  
INSERTION SORT

n	time
0	0.00E+00
5000	1.21E+00
10000	4.793826545
15000	10.83232496
20000	20.37491161
25000	31.85770056
30000	46.33476847
35000	62.12350823
40000	80.70286527
45000	102.7717633
50000	132.697633

Insertion Sort

Average Case

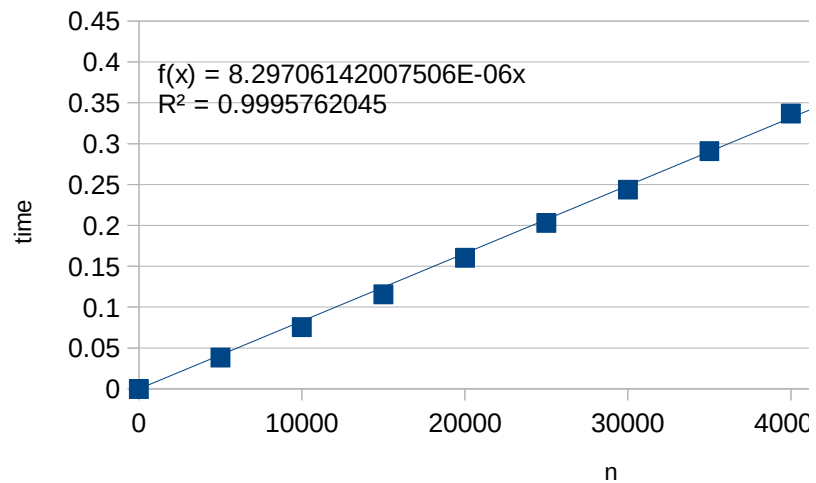


MERGE SORT

n	time
0	0
5000	0.03826726
10000	0.075542957
15000	0.115721647
20000	0.160294393
25000	0.202858725
30000	0.243638659
35000	0.290991531
40000	0.336885468
45000	0.377596978
50000	0.418762471

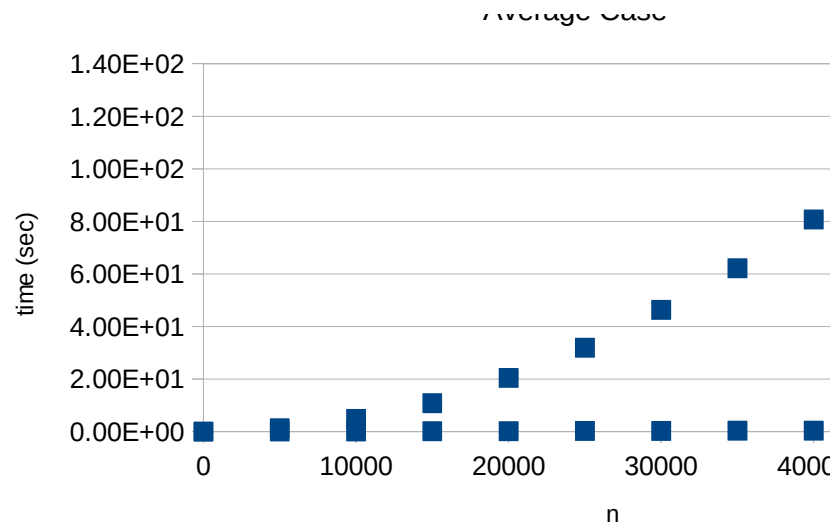
Merge Sort

Average Case



Insertion / Merge Sort

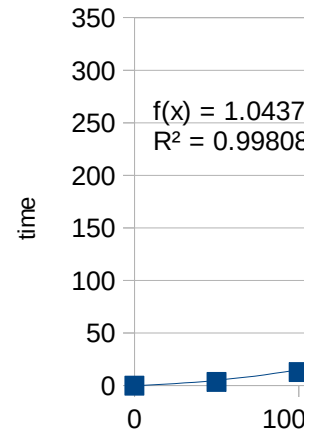
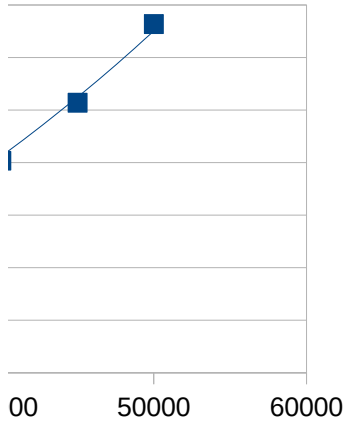
Average Case



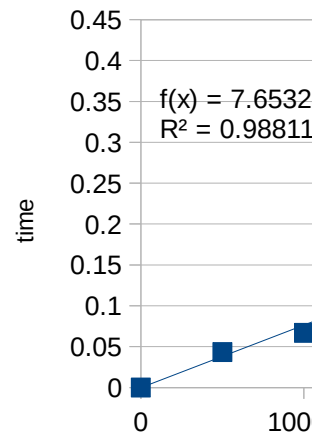
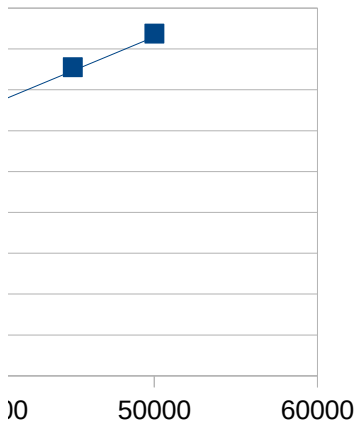
# Sheet1

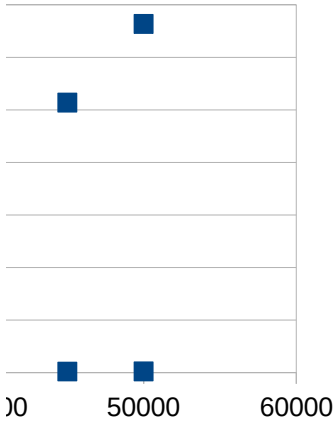
## WORST CASE

n	time
0	0
5000	3.308167322
10000	12.81248804
15000	32.55047943
20000	59.27248473
25000	86.51185042
30000	101.0841265
35000	134.3304448
40000	184.2132382
45000	227.5757857
50000	292.2592001



n	time
0	0
5000	0.043518857
10000	0.066822377
15000	0.093060128
20000	0.154539578
25000	0.19810648
30000	0.268278396
35000	0.301075101
40000	0.303058525
45000	0.286268292
50000	0.394946657



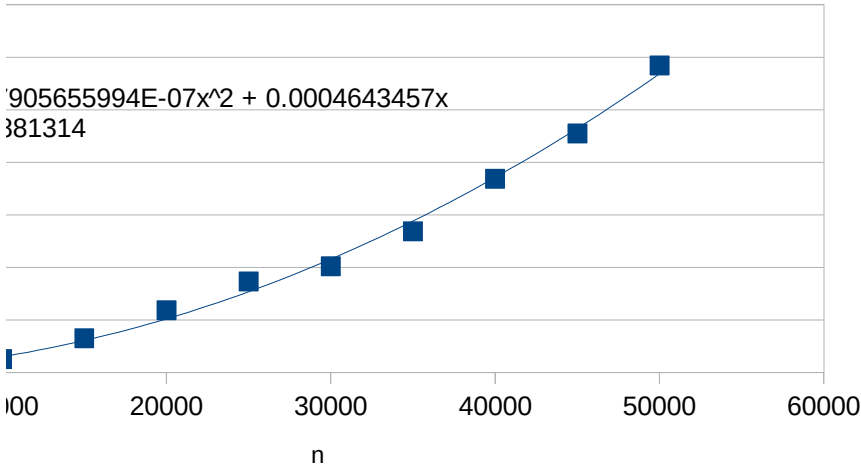


BEST CASE

n  
0  
5000  
10000  
15000  
20000  
25000  
30000  
35000  
40000  
45000  
50000

Insertion Sort

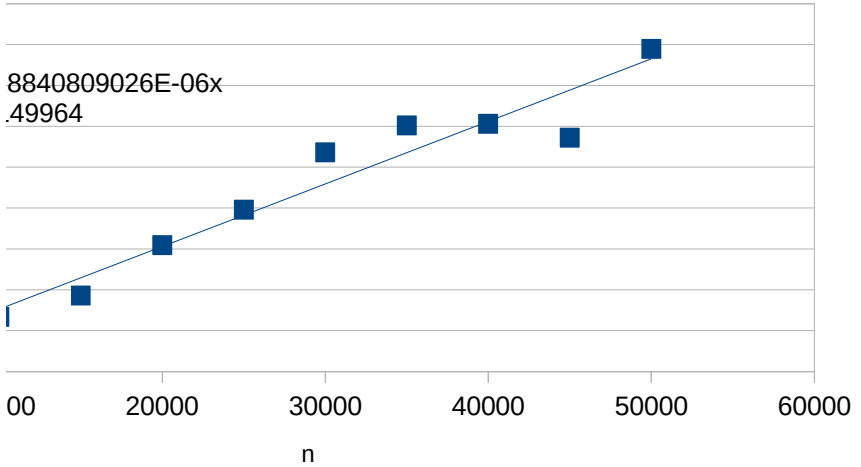
Worst Case



n  
0  
5000  
10000  
15000  
20000  
25000  
30000  
35000  
40000  
45000  
50000

Merge Sort

Worst Case

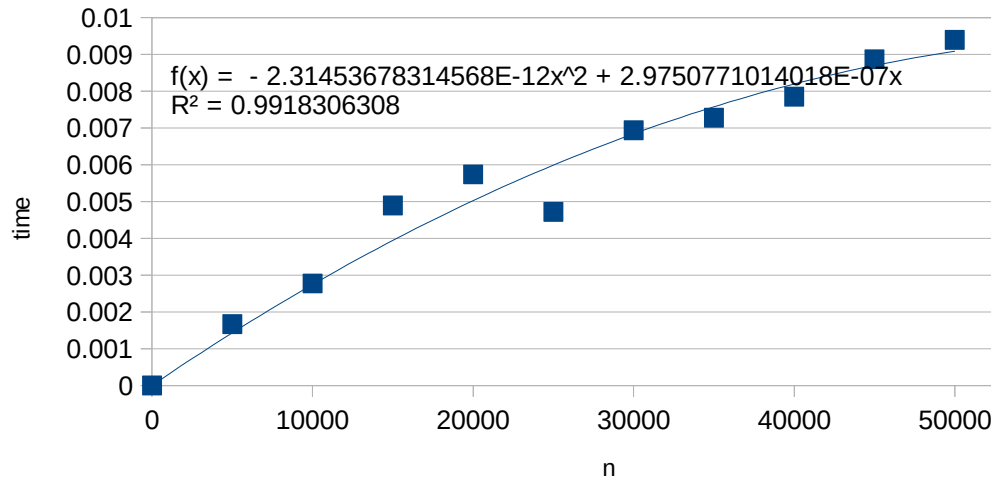


time

0  
0.001669414  
0.002771944  
0.004890879  
0.00573756  
0.004719966  
0.00694124  
0.007280091  
0.007850099  
0.008871858  
0.00939739

## Insertion Sort

Best Case



time

0  
0.042580992  
0.069811496  
0.098148844  
0.113682293  
0.164456995  
0.191417965  
0.291784067  
0.24026071  
0.266580273  
0.329306093

## Merge Sort

Best Case

