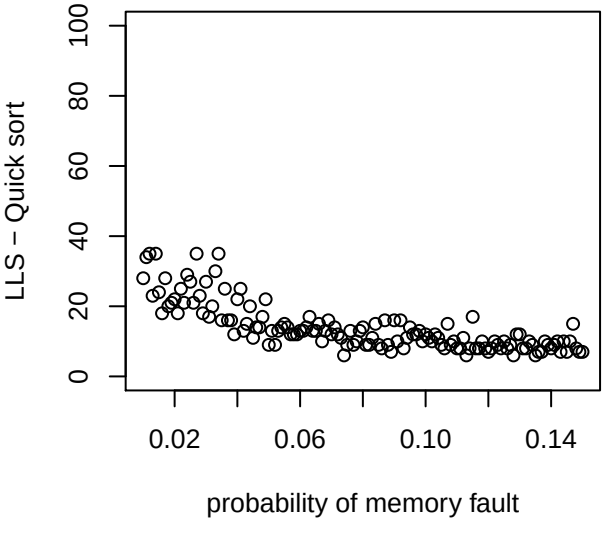
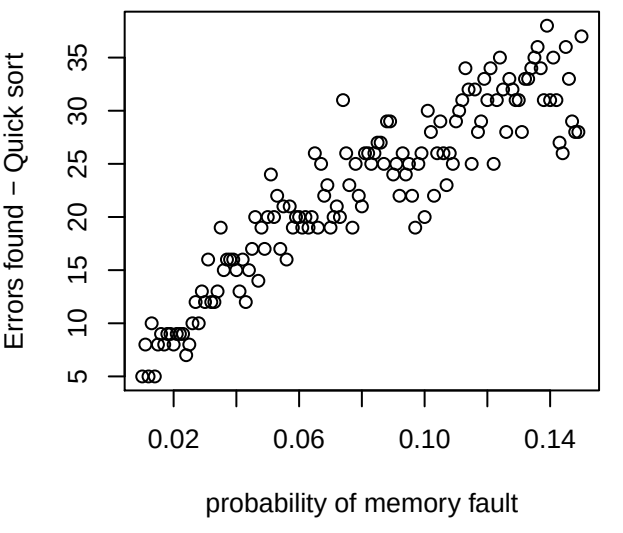
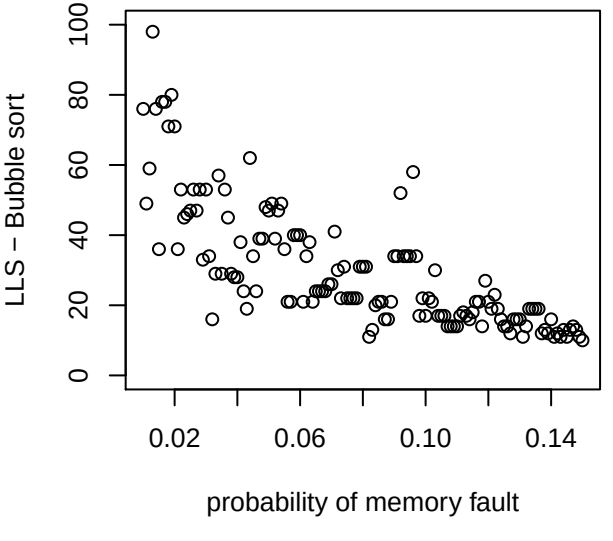
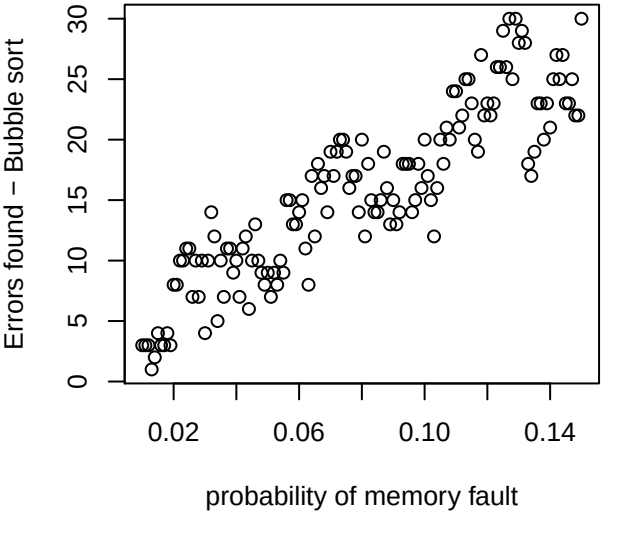
1 − Repetitions:50 || n:100 || eps:1/n || maxr: n

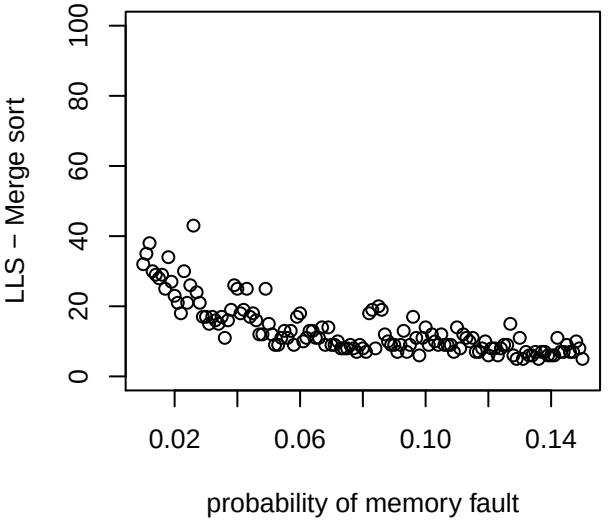
2 − Reducing probability of memory failure eps = [1/n to 15/n] by 0.1/n, n = 100

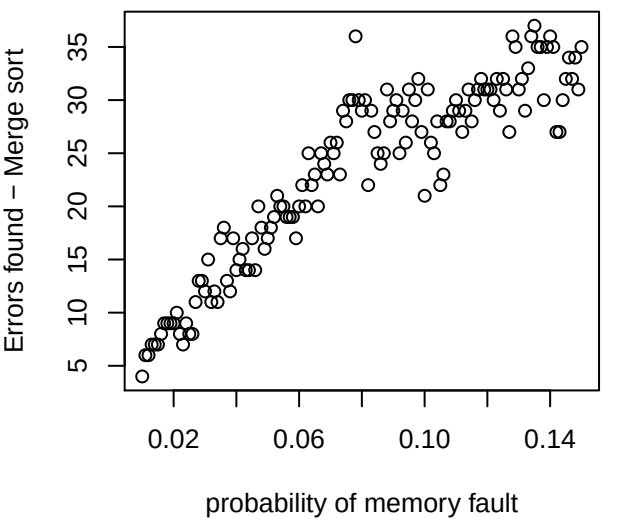


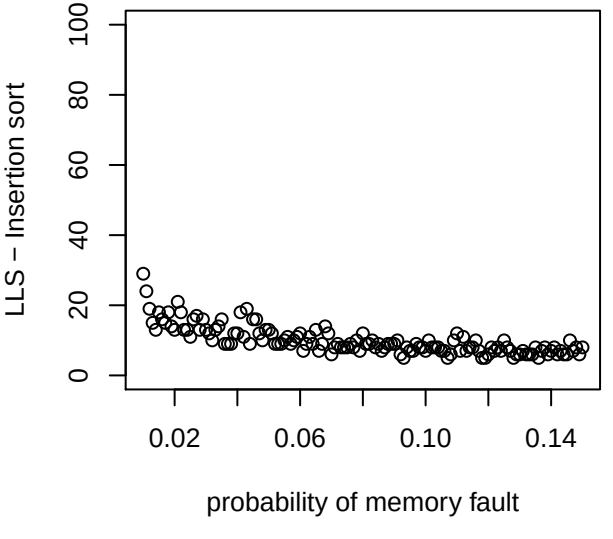


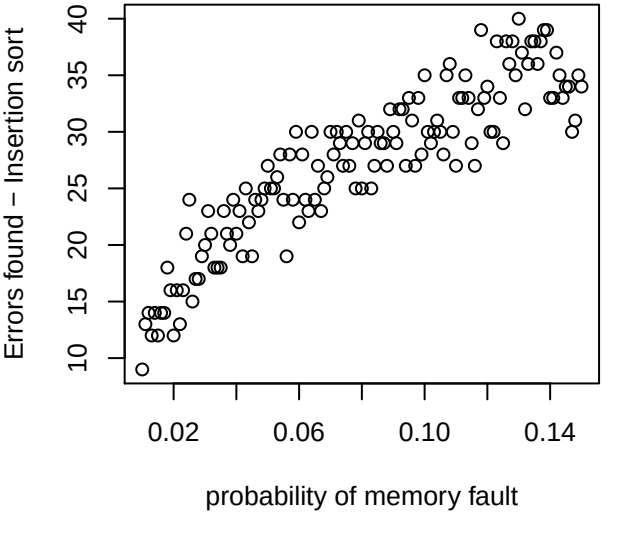




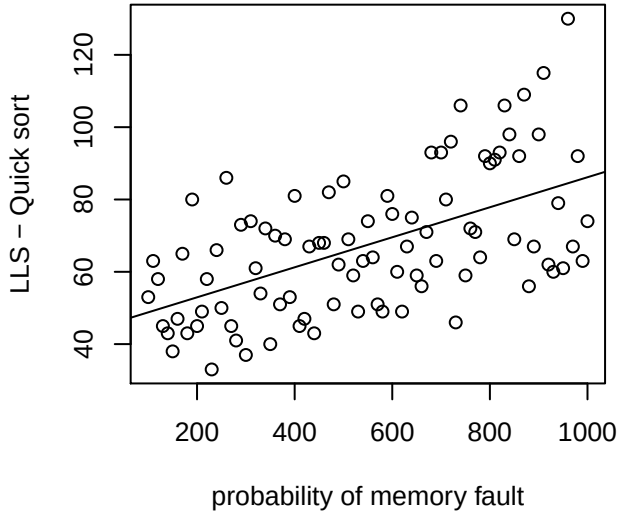

LLS – Merge sort
0
20
40
60
80
100
0.02
0.06
0.10
0.14
probability of memory fault

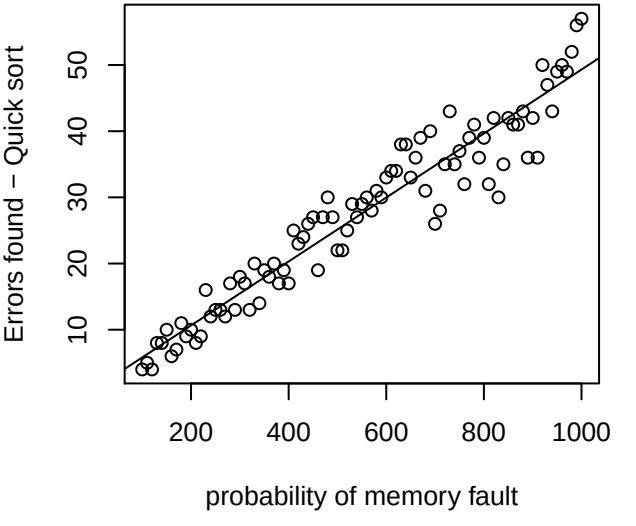

Errors found – Merge sort
5
10
15
20
25
30
35
0.02
0.06
0.10
0.14
probability of memory fault

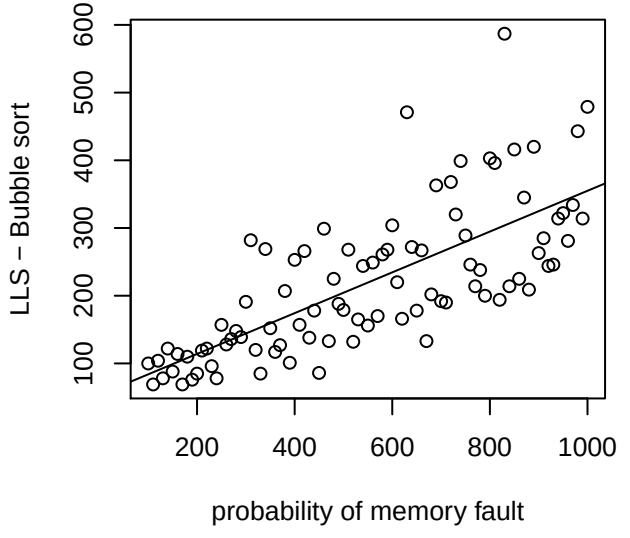

LLS – Insertion sort
0
20
40
60
80
100
0.02
0.06
0.10
0.14
probability of memory fault

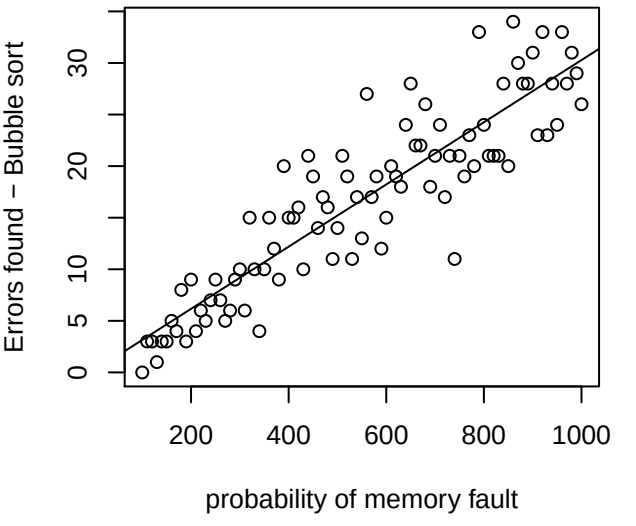

Errors found – Insertion sort
10
15
20
25
30
35
40
0.02
0.06
0.10
0.14
probability of memory fault

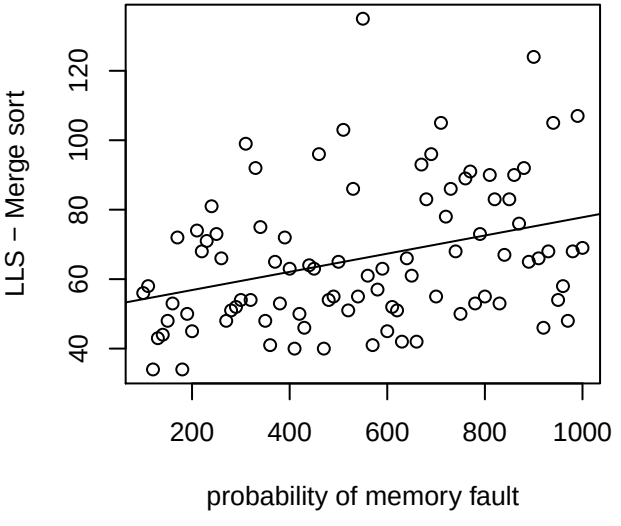
3 − Raise array size n=[100 to 1000] by 10

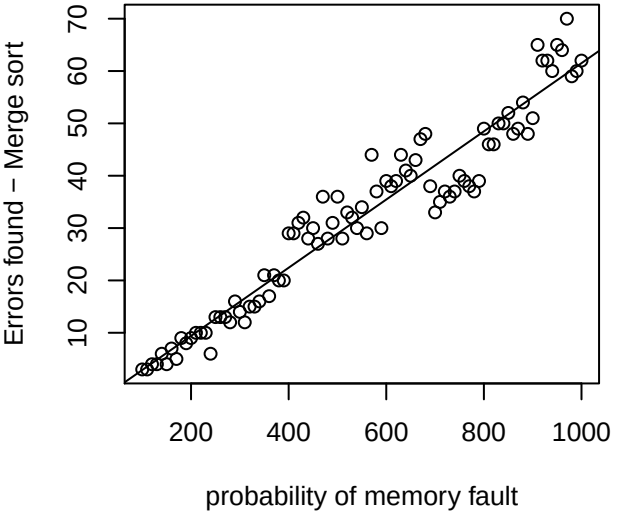


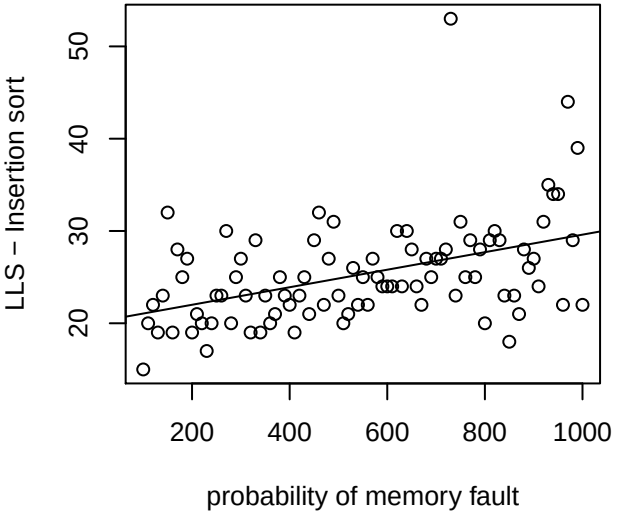


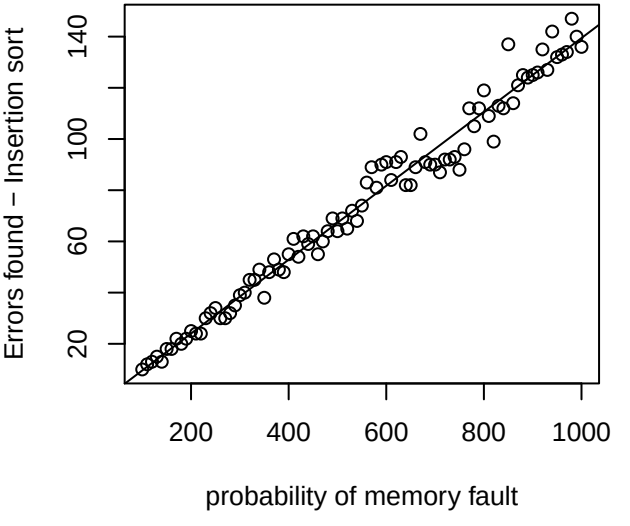





LLS – Merge sort
40
60
80
100
120
200
400
600
800
1000
probability of memory fault


Errors found – Merge sort
10
20
30
40
50
60
70
200
400
600
800
1000
probability of memory fault


LLS – Insertion sort
20
30
40
50
200
400
600
800
1000
probability of memory fault


Errors found – Insertion sort
20
60
100
140
200
400
600
800
1000
probability of memory fault