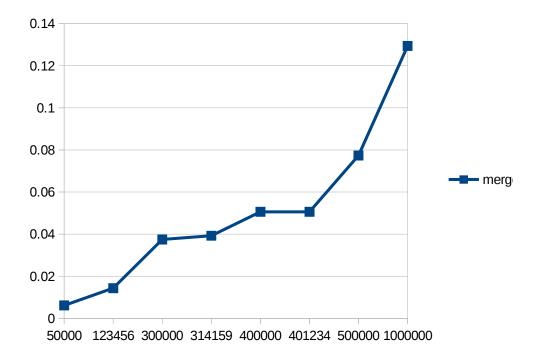
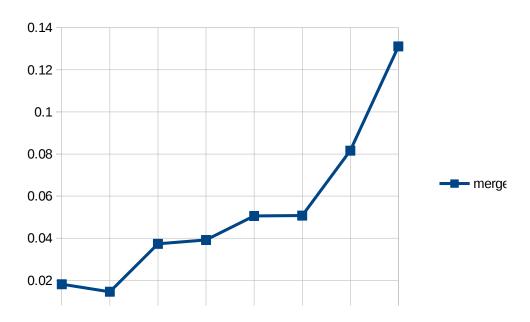
Sheet1

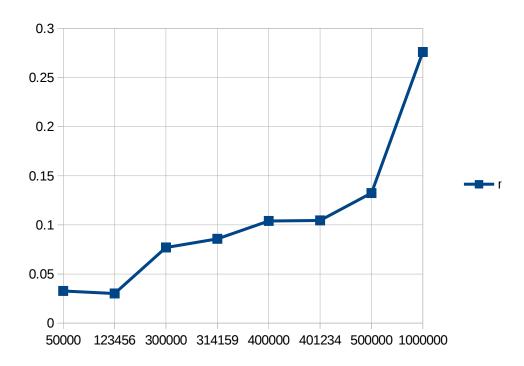
size		bubble ascending time	insertion ascending time	merge ascending time
	50000	0.000543254	0.000789435	0.0061414
	123456	0.000409883	0.00194014	0.0143608
	300000	0.000993579	0.0014503	0.0374766
	314159	0.00103976	0.00151866	0.0392487
	400000	0.00132601	0.0019318	0.0505987
	401234	0.00134209	0.00193896	0.0506145
	500000	0.00166132	0.00241115	0.0773748
	1000000	0.00337572	0.00482162	0.129426

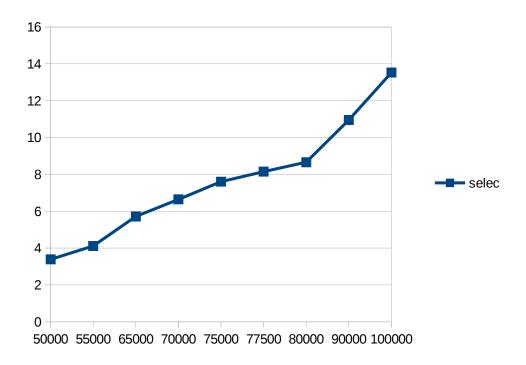




Page 1

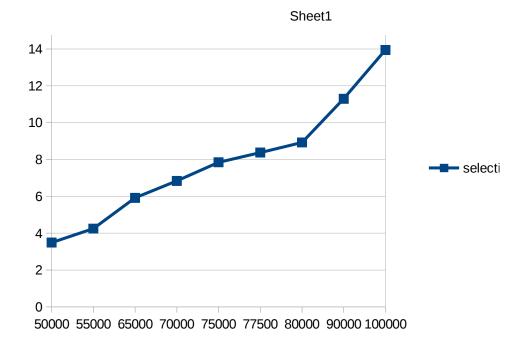


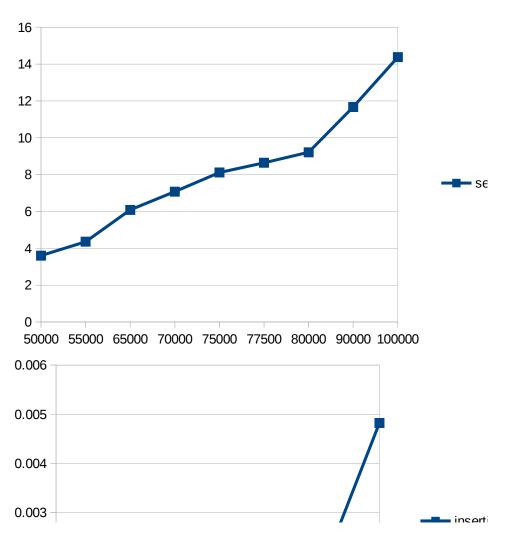




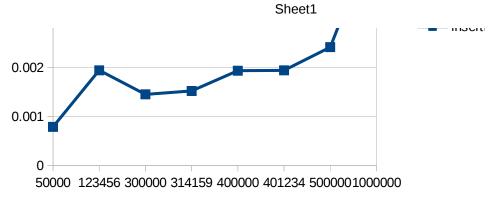


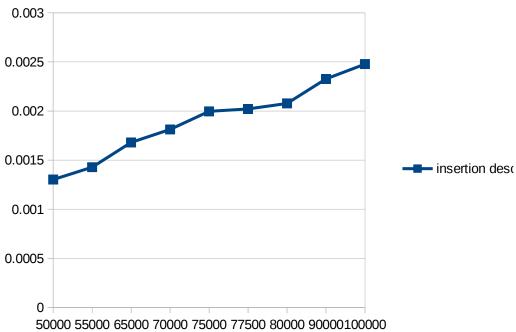
Page 2

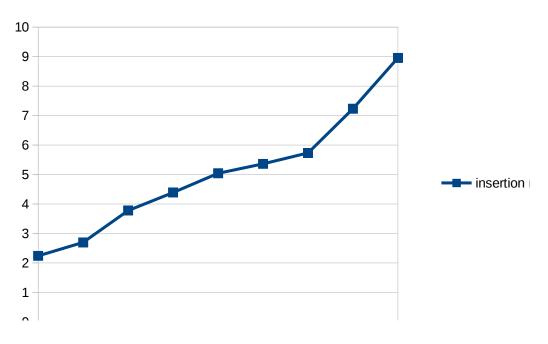




Page 3







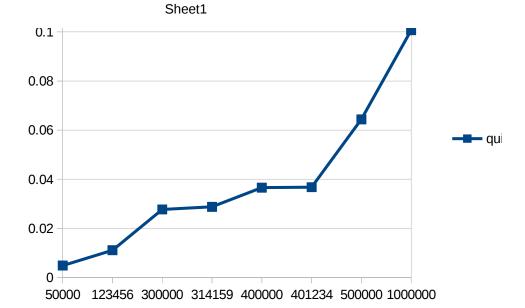
Page 4

# 

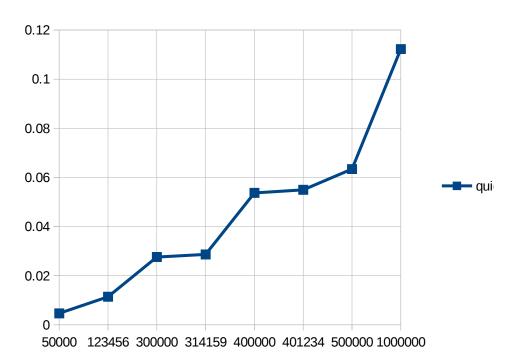
## Sheet1

quick ascending time	merge descending time	merge random time	quick descending time
0.00485555	0.0181525	0.0327376	0.00461833
0.0110998	0.0145877	0.0301882	0.0113998
0.027692	0.0373456	0.0769913	0.0275581
0.0287663	0.0391764	0.085812	0.0286164
0.0365836	0.0505758	0.103939	0.0536731
0.036744	0.0507752	0.104533	0.0549362
0.0643925	0.0816182	0.132411	0.0633876
0.100692	0.131105	0.27598	0.112239
9	size	selection ascending time	selection descending time
`	50000	3.38544	
	55000		
	65000		
	70000		
	75000		
	77500		
	80008		
	90000		
e ascending time	100000		
	size	insertion descending time	insertion random time
	50000	0.00130257	2.23887
	55000	0.00142835	2.69616
	65000	0.00168074	3.77888
	70000	0.00181263	4.3878
	75000	0.00199676	5.04242
	77500	0.00202155	5.36215
	80000		5.73165
	90000	0.00232659	7.23264
	100000	0.00247816	8.95711
9	size	bubble descending time	Bubble random time
	50000	_	16.1847
	55000	19.2637	19.5778
	65000	26.924	27.4871
	70000	31.1875	31.8693
	75000		
	77500		
	11300		
	80000	40.666	41.6359
and a conding time			
e descending time	80000	51.6041	52.818

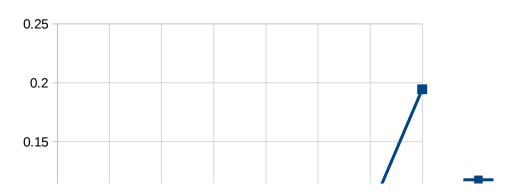




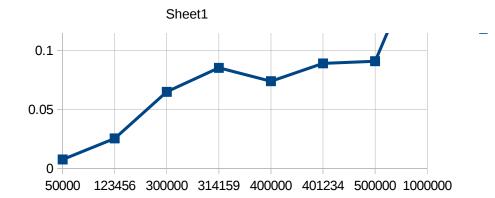
nerge random time



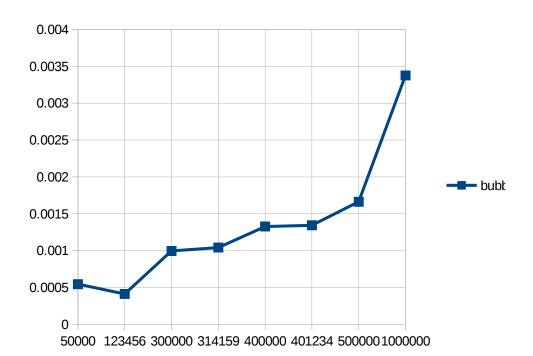
tion ascending time



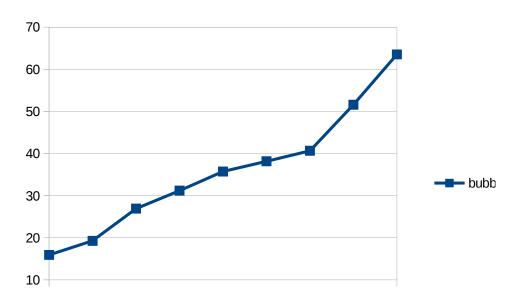
Page 7



ion descending time

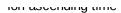


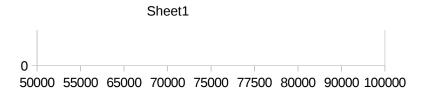
election random time

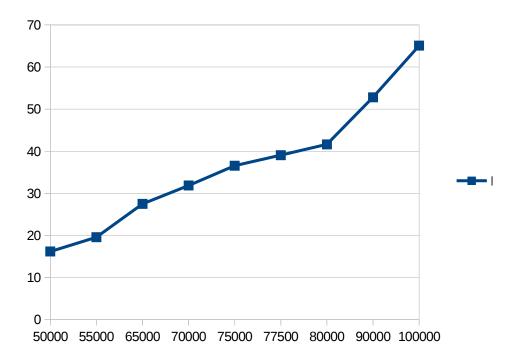


ion ascending time

Page 8







cending time

random time

#### Sheet1

### quick random time

0.00755115

0.025417

0.0649621

0.085276

0.0739445

0.0890593

0.090916 0.194577

#### selection random time

3.60014

4.35819

6.083

7.07407

8.11607

8.64438

9.21032

11.6676

14.3758

$\overline{}$				
Ć.	n	ee	ťΊ	
				Ш

ick ascending time

ck descending time

quick random time

g.....

ole ascending time

le descending time

Sheet1

Bubble random time