100	6261.9	100	593.3	100
200	24735.5	200	2189.5	200
300	73867.7	300	4877.2	300
400	162528.2	400	8783.9	400
500	300705.1	500	13725	500
600	505867.5	600	19635.1	600
700	780725.5	700	26972.6	700
800	148457.2	800	35435.6	800
900	616648.4	900	44228.8	900
		1000	54605.6	1000
		2000	218886.9	2000
		3000	489750.5	3000
		4000	879412.8	4000
		5000	374976.1	5000
		6000	621234.1	6000
		7000	607509.4	7000
		8000	469320.5	8000
		9000	493247.3	9000

	Alg 1	Alg 2	Alg 3			
100	4303.1	578.1	297.7	100	578.1	100
200	25452.3	2171.2	605.9	200	2171.2	200
300	75433.8	4809	939	300	4809	300
400	167352.6	8679.8	1278.6	400	8679.8	400
500	311126.8	13621.6	1621.9	500	13621.6	500
600	521247.6	19502.3	1971.1	600	19502.3	600
700	809030.1	26344	2313.6	700	26344	700
800	181806.1	34577.8	2669.5	800	34577.8	800
900	662686.4	43979	3026	900	43979	900
1000		54099.3	3362.8	1000	54099.3	1000
2000		216514.9	7006.1	2000	216514.9	2000
3000		487800.7	10711.1	3000	487800.7	3000
4000		863355.1	14470.3	4000	863355.1	4000
5000		368598.4	18148.4	5000	368598.4	5000
6000		581644.8	22018.3	6000	581644.8	6000
7000		553150.9	25806	7000	553150.9	7000
8000		473517.9	29731.5	8000	473517.9	8000
9000		523590.8	33861.6	9000	523590.8	9000

1000000
900000
800000
700000
600000
500000

roseconds)

Sheet1

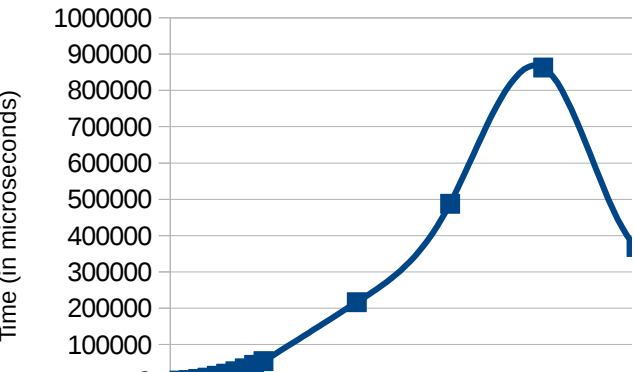Time (in mic

400000
300000
200000
100000
0

0   1000   2000

Sheet1
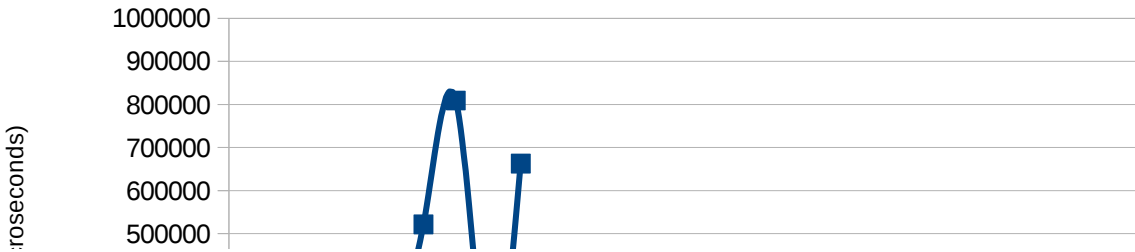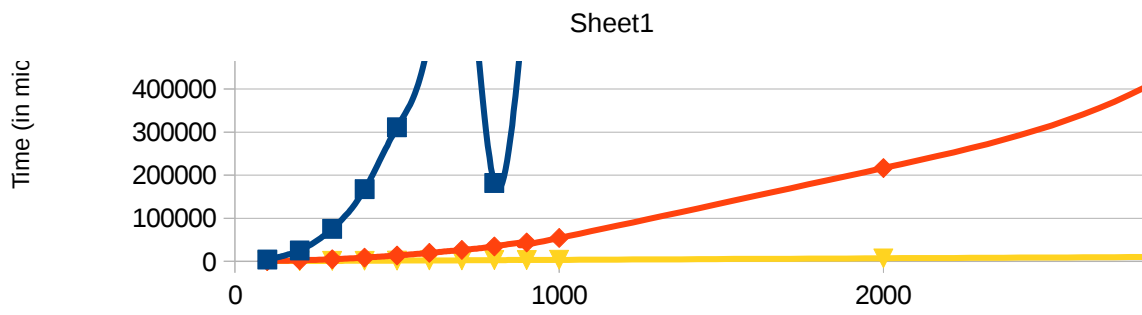
299.3
616.7
952.8
1295.9
1651
2001.4
2369.3
2717.4
3089.4
3470.9
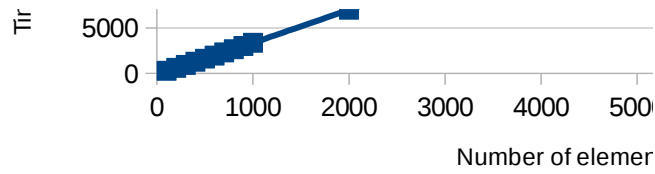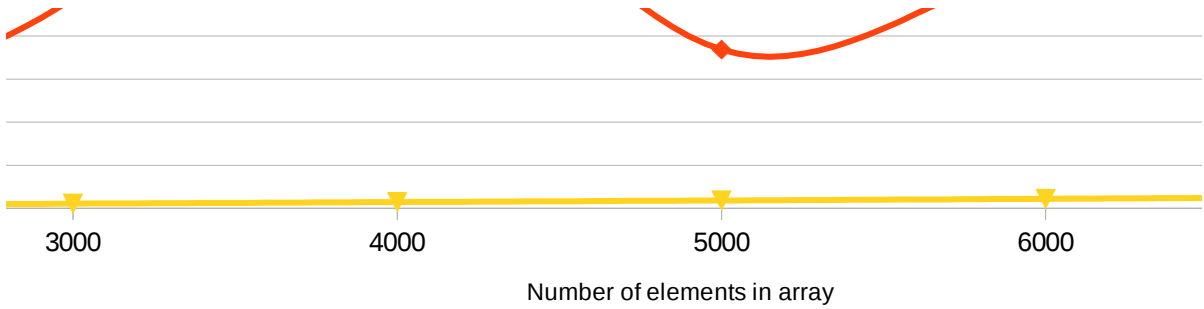7109.3
10848.6
14664.7
18433.1
22570.9
26379.9
30344.1
34326.4
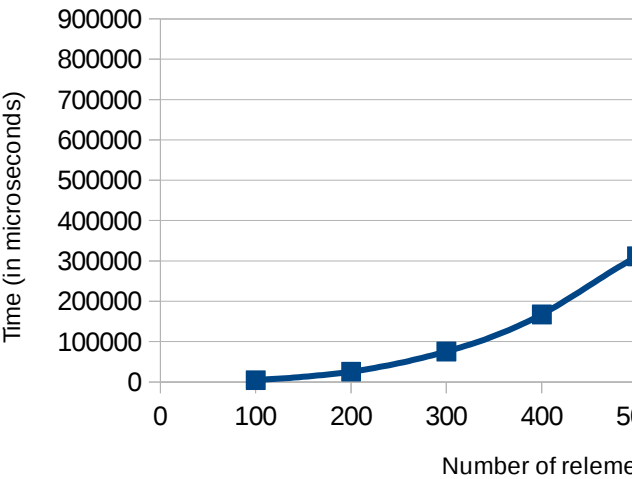
297.7
605.9
939
1278.6
1621.9
1971.1
2313.6
2669.5
3026
3362.8
7006.1
10711.1
14470.3
18148.4
22018.3
25806
29731.5
33861.6

Algorithm

Enumeration
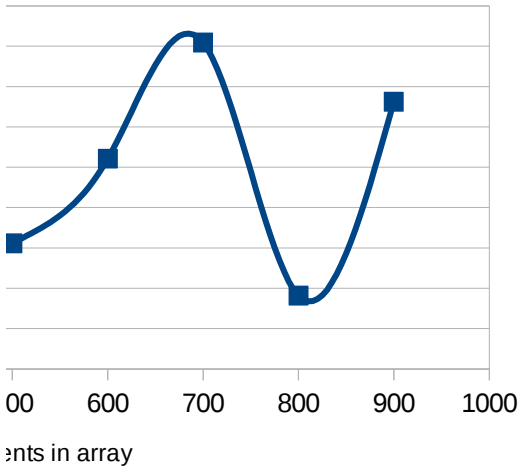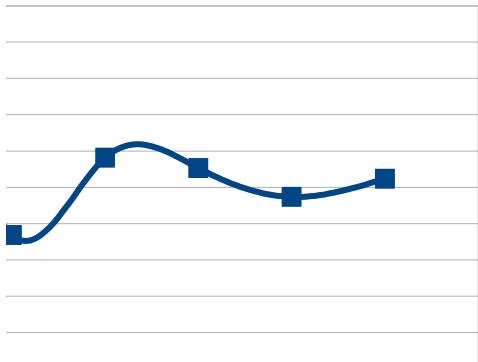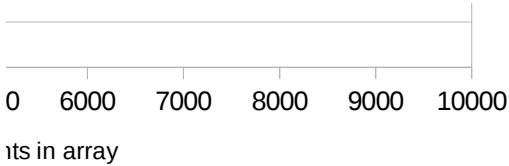
Time (in microseconds) vs Number of relements

900000
800000
700000
600000
500000
400000
300000
200000
100000
0

0   100   200   300   400   5

Algorithm 2

Better Enumera

1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000

Comparison of Algorithms

Page 3

Sheet1

Number of elements in array

Tir

5000

0

0   1000   2000   3000   4000   500(

Number of elemer

1

n

00   600   700   800   900   1000

ents in array

2

ation

Sheet1

7000   8000   9000   10000

0   6000   7000   8000   9000   10000

its in array

Alg 1
Alg 2

Alg 2
Alg 3