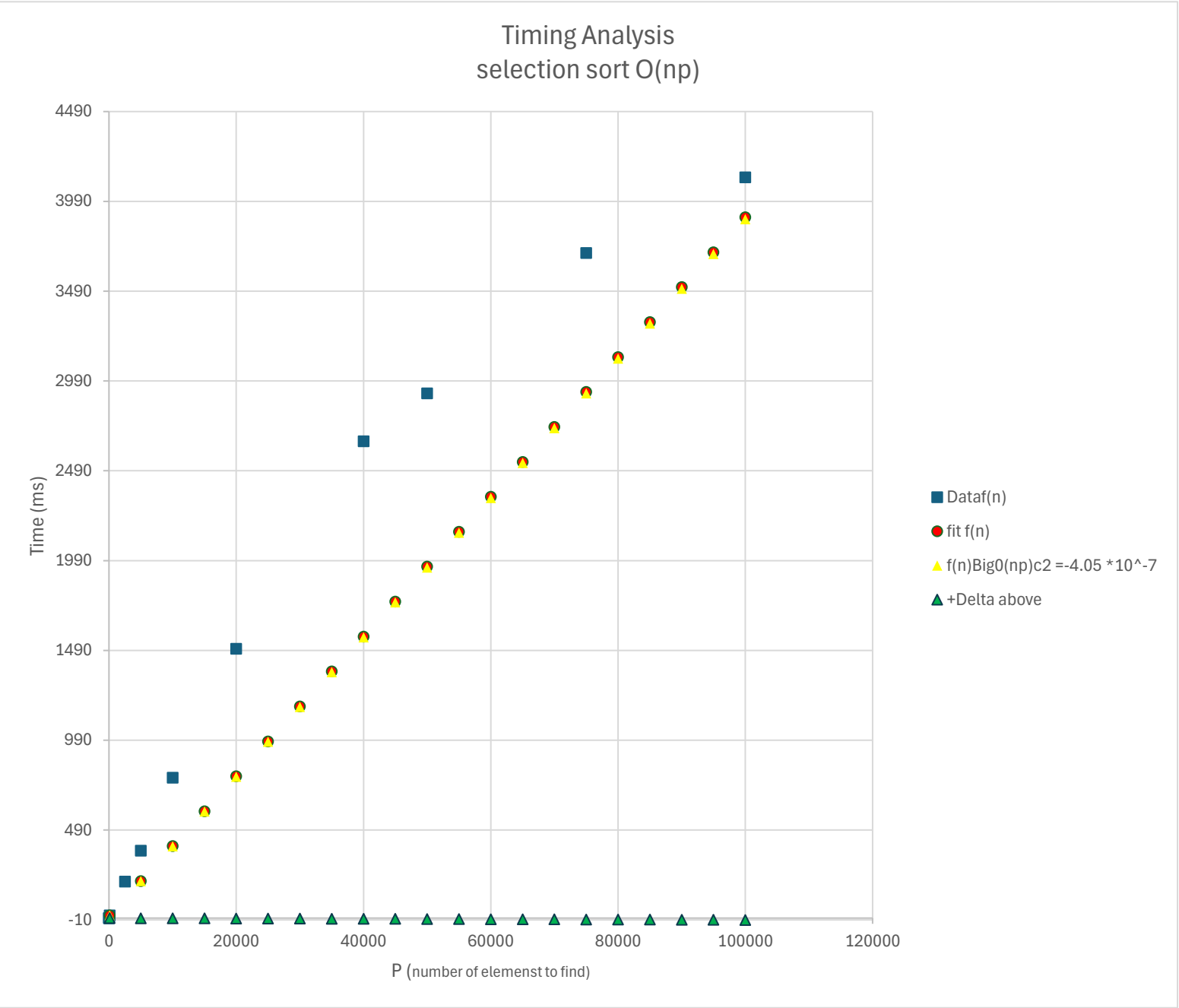


SELECTION SORT TIMING ANALYSIS

P	Dataf(n)	f(n) fit		
1	0	11.55		
8	0	12.11		
50	0	15.42	f(n) = c0 *x^0 + c1*x^1+c2*np	
100	15	19.36	f(n) = c0 *p^0 + c1*p^1+c2*np	
2500	203	206.22		
5000	375	395.97		
10000	781	760.47		
20000	1499	1429.47	c0	11.474
40000	2655	2527.47	c1	0.0789
50000	2921	2956.47	c2	-4.00E-07
75000	3703	3678.97		
100000	4124	3901.47		

p^0	N or r^1	p	np	f(n)Big0(np)c2 =-4.05 *10^-7	fit f(n)	+Delta above
1	100000	100	10000000	15.354000	15.364000	-0.010000
1	100000	5000	500000000	205.474000	205.974000	-0.500000
1	100000	10000	1000000000	399.474000	400.474000	-1.000000
1	100000	15000	1500000000	593.474000	594.974000	-1.500000
1	100000	20000	2000000000	787.474000	789.474000	-2.000000
1	100000	25000	2500000000	981.474000	983.974000	-2.500000
1	100000	30000	3000000000	1175.474000	1178.474000	-3.000000
1	100000	35000	3500000000	1369.474000	1372.974000	-3.500000
1	100000	40000	4000000000	1563.474000	1567.474000	-4.000000
1	100000	45000	4500000000	1757.474000	1761.974000	-4.500000
1	100000	50000	5000000000	1951.474000	1956.474000	-5.000000
1	100000	55000	5500000000	2145.474000	2150.974000	-5.500000
1	100000	60000	6000000000	2339.474000	2345.474000	-6.000000
1	100000	65000	6500000000	2533.474000	2539.974000	-6.500000
1	100000	70000	7000000000	2727.474000	2734.474000	-7.000000
1	100000	75000	7500000000	2921.474000	2928.974000	-7.500000
1	100000	80000	8000000000	3115.474000	3123.474000	-8.000000
1	100000	85000	8500000000	3309.474000	3317.974000	-8.500000
1	100000	90000	9000000000	3503.474000	3512.474000	-9.000000
1	100000	95000	9500000000	3697.474000	3706.974000	-9.500000
1	100000	100000	10000000000	3891.474000	3901.474000	-10.000000



SELECTION SORT OPERATIONAL ANALYSIS

P	Dataf(n)	f(n) fit				
1	300034	297060				
8	2400159	2397239				
50	14997999	14995223	f(n) = c0 *x^0 + c1*x^1+c2*np			
100	29988034	29985923	f(n) = c0 *p^0 + c1*p^1+c2*np			
2500	740717748	740719523				
5000	1462687538	1462692023				
10000	2850381402	2850387023				
20000	5400754301	5400777023	c0	-2977.1		
40000	9601478154	9601557023	c1	300039		
50000	11251837547	11251947023	c2	-1.50		
75000	14065222271	14065422023				
100000	15003485208	15003897023				
p^0	N or r^1	p	np	f(n)Big0(np)c2 =-1.55	fit f(n)	+Delta above
1	100000	100	10000000	14500923	15000923	-500000
1	100000	5000	500000000	725192023	750192023	-25000000
1	100000	10000	1000000000	1450387023	1500387023	-50000000
1	100000	15000	1500000000	2175582023	2250582023	-75000000
1	100000	20000	2000000000	2900777023	3000777023	-100000000
1	100000	25000	2500000000	3625972023	3750972023	-125000000
1	100000	30000	3000000000	4351167023	4501167023	-150000000
1	100000	35000	3500000000	5076362023	5251362023	-175000000
1	100000	40000	4000000000	5801557023	6001557023	-200000000
1	100000	45000	4500000000	6526752023	6751752023	-225000000
1	100000	50000	5000000000	7251947023	7501947023	-250000000
1	100000	55000	5500000000	7977142023	8252142023	-275000000
1	100000	60000	6000000000	8702337023	9002337023	-300000000
1	100000	65000	6500000000	9427532023	9752532023	-325000000
1	100000	70000	7000000000	10152727023	10502727023	-350000000
1	100000	75000	7500000000	10877922023	11252922023	-375000000
1	100000	80000	8000000000	11603117023	12003117023	-400000000
1	100000	85000	8500000000	12328312023	12753312023	-425000000
1	100000	90000	9000000000	13053507023	13503507023	-450000000
1	100000	95000	9500000000	13778702023	14253702023	-475000000
1	100000	100000	10000000000	14503897023	15003897023	-500000000

