

Sheet1

Arrays.sort løsning

N=20	Kjøring1	Kjøring2	Kjøring3	Kjøring4	Kjøring5	Kjøring6
1000	0.957287	0.757886	1.266833	1.414624	1.309247	1.002405
10000	14.196047	14.612342	6.083714	7.637199	7.840799	5.773258
100000	36.524152	26.500157	28.140286	30.547475	55.775361	26.655307
1000000	189.295105	108.186699	151.689272	149.909251	206.053859	147.592107
10000000	994.452715	994.020673	1047.716218	1153.42904	1243.61759	1215.818259
100000000	10841.52761	11288.51057	10879.18008	10771.91654	10690.8117	10776.41108

Sekvensiell løsning

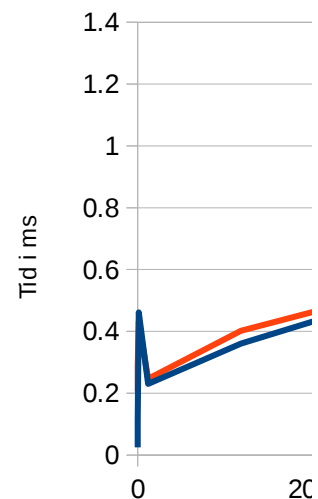
N=20	Kjøring1	Kjøring2	Kjøring3	Kjøring4	Kjøring5	Kjøring6
1000	0.143222	0.139898	0.102733	0.138048	0.112448	0.141533
10000	0.473382	0.643866	0.621344	0.637293	0.476732	0.635937
100000	3.298472	5.993102	4.135669	4.198391	4.209891	3.1743
1000000	9.218676	9.239115	9.11898	9.311638	9.446594	15.996433
10000000	15.153482	18.881327	15.310737	14.914095	15.094632	15.143296
100000000	102.570715	128.216411	98.04168	97.87001	101.735052	99.585086

Parallell løsning

N=20	Kjøring1	Kjøring2	Kjøring3	Kjøring4	Kjøring5	Kjøring6
1000	6.699102	5.90135	4.928036	4.614699	4.005145	5.237466
10000	4.918289	4.90934	5.067715	4.625265	5.196234	5.084122
100000	7.900465	7.586446	9.294457	10.79239	8.372956	7.254807
1000000	46.637759	55.081268	44.967524	47.914566	45.478436	49.074896
10000000	46.534412	39.76939	40.192617	48.326745	48.674708	48.075857
100000000	97.271158	79.823466	77.286955	77.321455	78.801334	77.755253

Speedup = sekvensiell tid/parallell tid

	N=20	N=100
1000	0.024348598	0.205912371
10000	0.112783614	0.287729243
100000	0.461350957	0.431337805
1000000	0.22964764	0.246661057
10000000	0.359846743	0.401212716
100000000	1.283265098	1.188543968



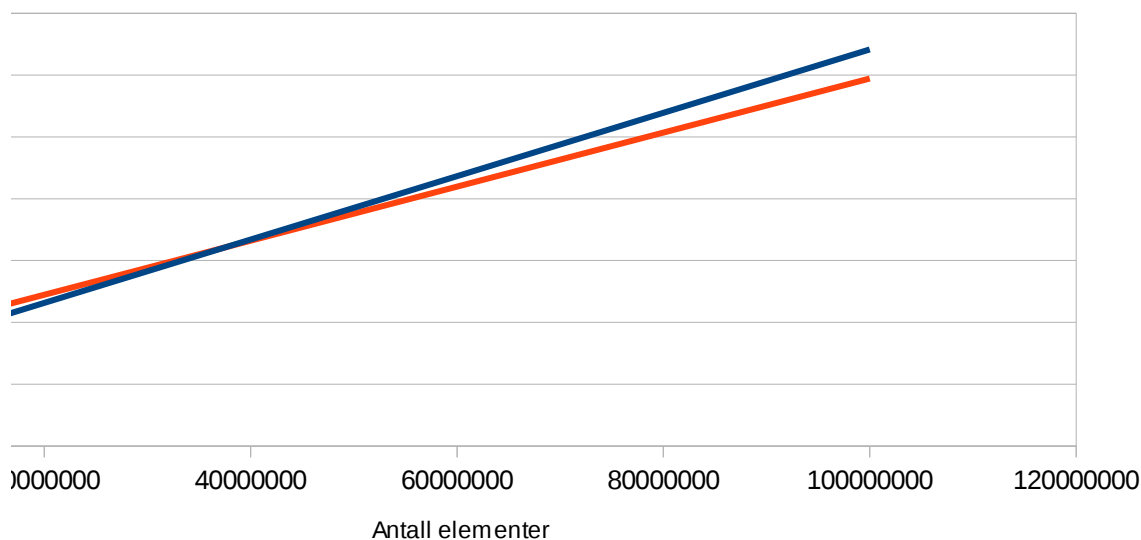
Sheet1

Kjøring7	Gjennomsnitt	N=100	Kjøring1	Kjøring2	Kjøring3
1.002405	1.101526714	1000	0.755392	1.293447	0.992139
8.101347	9.177815143	10000	6.089542	7.588378	7.825318
48.220797	36.05193357	100000	67.246416	68.447257	31.49979
164.858392	159.654955	1000000	144.560248	151.586154	194.995773
1288.697273	1133.964538	10000000	1212.897152	1055.425773	1038.645689
10407.06713	10807.91781	100000000	10763.09278	10504.68539	10627.04642

Kjøring7	Gjennomsnitt	N=100	Kjøring1	Kjøring2	Kjøring3
0.107662	0.126506286	1000	0.873256	1.214813	1.761526
0.828026	0.616654286	10000	1.949507	2.589406	3.881876
3.203577	4.030486	100000	8.130433	6.630907	8.202678
13.748483	10.86855986	1000000	10.4209	13.229445	10.066661
17.980455	16.06828914	10000000	18.168245	15.727261	19.591606
98.903414	103.8460526	100000000	105.292213	99.401861	99.851424

Kjøring7	Gjennomsnitt	N=100	Kjøring1	Kjøring2	Kjøring3
4.983606	5.195629143	1000	7.957626	5.475677	5.559416
8.472148	5.467587571	10000	7.959765	10.922139	7.612359
9.952361	8.736268857	100000	15.614842	16.750334	14.008109
42.135343	47.32711314	1000000	59.15567	58.086695	41.091873
40.998293	44.653146	10000000	53.4407	43.484494	42.874783
78.203512	80.92330471	100000000	79.747232	128.395294	79.301038

Speedup



Arrays.sort løsning

Kjøring4	Kjøring5	Kjøring6	Kjøring7	Gjennomsnitt
1.008056	0.913243	0.74525	1.020569	0.961156571
5.672945	6.436425	7.07307	6.990058	6.810819429
26.4503	25.369168	73.256447	26.893276	45.59466486
159.945839	140.812906	184.692854	155.253893	161.6925239
1065.863753	1083.334081	1157.371462	968.101823	1083.09139
10398.24716	10514.87514	10682.04333	10390.47182	10554.35172

Sekvensiell løsning

Kjøring4	Kjøring5	Kjøring6	Kjøring7	Gjennomsnitt
0.859729	1.261842	1.788971	1.194692	1.279261286
2.013308	2.084005	1.956973	2.603735	2.43983
5.675923	4.349553	5.683355	4.497537	6.167198
9.988032	10.323254	10.632261	19.668321	12.046982
19.922528	19.178792	19.468054	15.444792	18.21446829
98.913294	102.024104	105.094977	98.721925	101.3285426

Parallell løsning

Kjøring4	Kjøring5	Kjøring6	Kjøring7	Gjennomsnitt
6.223433	6.25206	5.473506	6.546825	6.212649
7.507799	8.255709	8.031438	9.068018	8.479603857
13.414557	13.044226	14.001056	13.251741	14.29783786
52.294917	46.143892	44.082432	41.02611	48.840227
42.28561	51.262543	43.734802	40.706791	45.39853186
78.545571	77.678805	76.830832	76.281673	85.25434929

— N=20

— N=100