

List of CPU times:

amount*1000	initial	final
1000	0.005941	0.008989
2000	0.00911	0.019971
5000	0.018798	0.081028
10000	0.034763	0.273655
20000	0.067439	1.02328
500000	0.162829	6.08857
100000	0.323261	25.9875

The sorting method used has an exponential growth of roughly N^2 .