array size	async avg time, ns	sync avg time, ns	speedup (sync time / async time)	n*log(n)*15
1,00E+07	1,70E+09	4,29E+09	2,52E+00	3,49E+09
4,00E+07	1,01E+10	2,51E+10	2,47E+00	1,52E+10
7,00E+07	1,92E+10	4,81E+10	2,50E+00	2,74E+10
1,00E+08	3,51E+10	9,38E+10	2,67E+00	3,99E+10