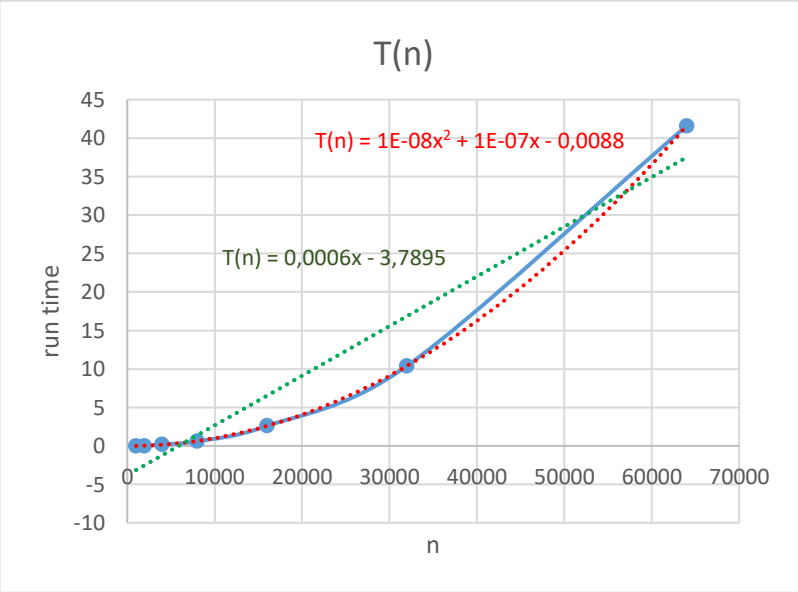
n	run time
1000	0
2000	0,02
4000	0,2
8000	0,6
16000	2,6
32000	10,4
64000	41,6



X n	Y run time	$(X_i - \bar{X})$	$(Y_i - \bar{Y})$	$(X_i - \bar{X})(Y_i - \bar{Y})$	$(X_i - \bar{X})^2$
1000	0	-17142,86	-7,92	135722,45	293877551,02
2000	0,02	-16142,86	-7,90	127482,45	260591836,73
4000	0,2	-14142,86	-7,72	109142,45	200020408,16
8000	0,6	-10142,86	-7,32	74216,73	102877551,02
16000	2,6	-2142,86	-5,32	11393,88	4591836,73
32000	10,4	13857,14	2,48	34405,31	192020408,16
64000	41,6	45857,14	33,68	1544599,59	2102877551,02
SUMA: 127000,00	SUMA: 55,42			SUMA: $\sum_{i=1}^{n}(X_i - \bar{X})(Y_i - \bar{Y})$ 2036962,86	SUMA: $\sum_{i=1}^{n}(X_i - \bar{X})^2$ 3156857142,86
$\bar{X}$ 18142,86	$\bar{Y}$ 7,92				

$$m = a = \frac{\sum_{i=1}^{n}(X_i - \bar{X})(Y_i - \bar{Y})}{\sum_{i=1}^{n}(X_i - \bar{X})^2}$$

0,0006

$$b = v_0 = \bar{Y} - m\bar{X}$$

-3,7895

N	X	Y	X^2	X^3	XY
	n	run time	t [s]^2	t [s]^3	t [s]*x [cm]
1	1000	0	1000000	1000000000	0
2	2000	0,02	4000000	8000000000	40
3	4000	0,2	16000000	6,4E+10	800
4	8000	0,6	64000000	5,12E+11	4800
5	16000	2,6	256000000	4,096E+12	41600
6	32000	10,4	1024000000	3,2768E+13	332800
7	64000	41,6	4096000000	2,6214E+14	2662400
Sumatoria	127000	55,42	5461000000	2,9959E+14	3042440

X^4	Y*X^2
t [s]^4	x [cm]*t [s]^2
1E+12	0
1,6E+13	80000
2,56E+14	3200000
4,096E+15	38400000
6,5536E+16	665600000
1,04858E+18	10649600000
1,67772E+19	1,70394E+11
1,78957E+19	1,8175E+11