

2ª SESIÓN

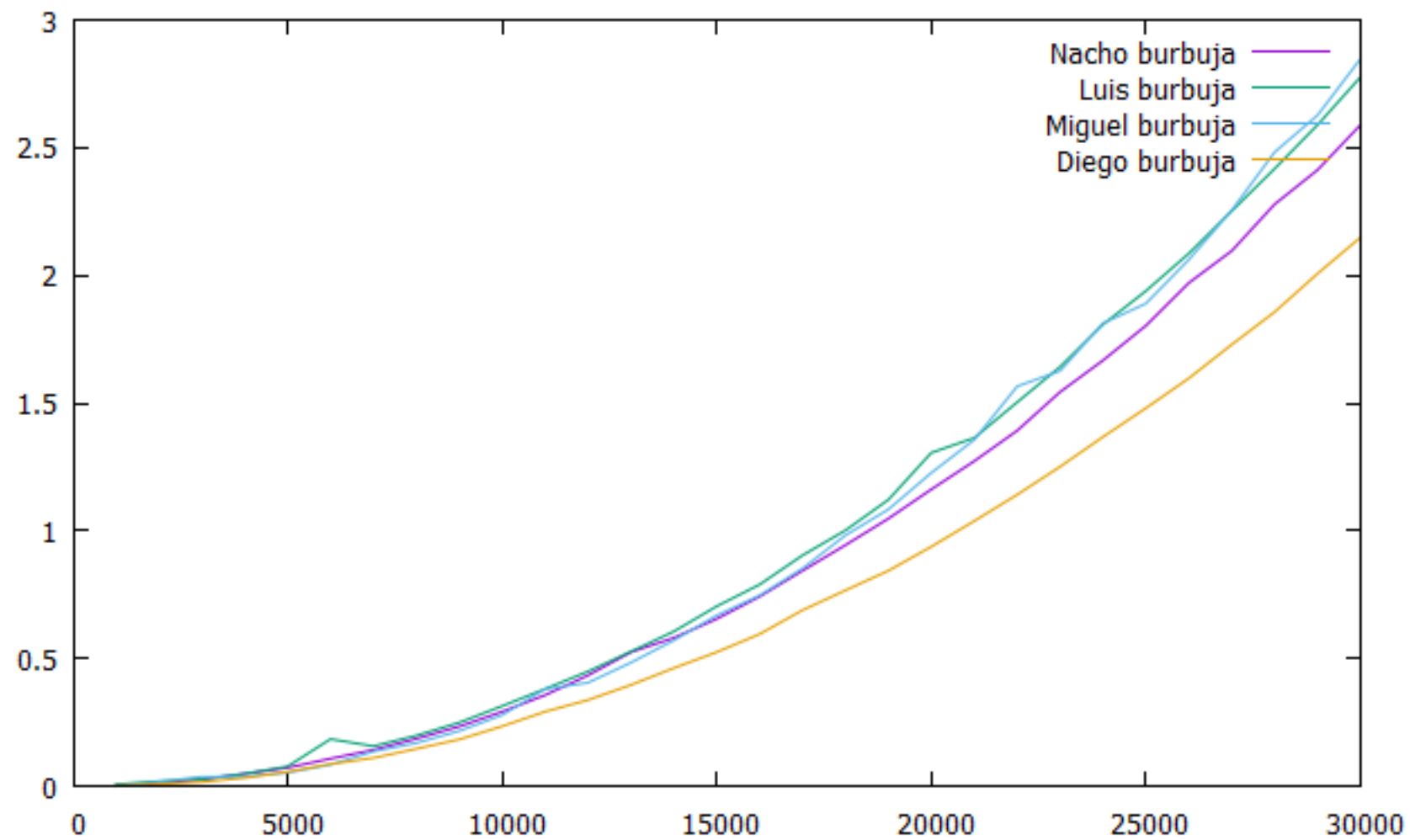
ALGORÍTMICA

ALGORITMOS DE ORDENACIÓN

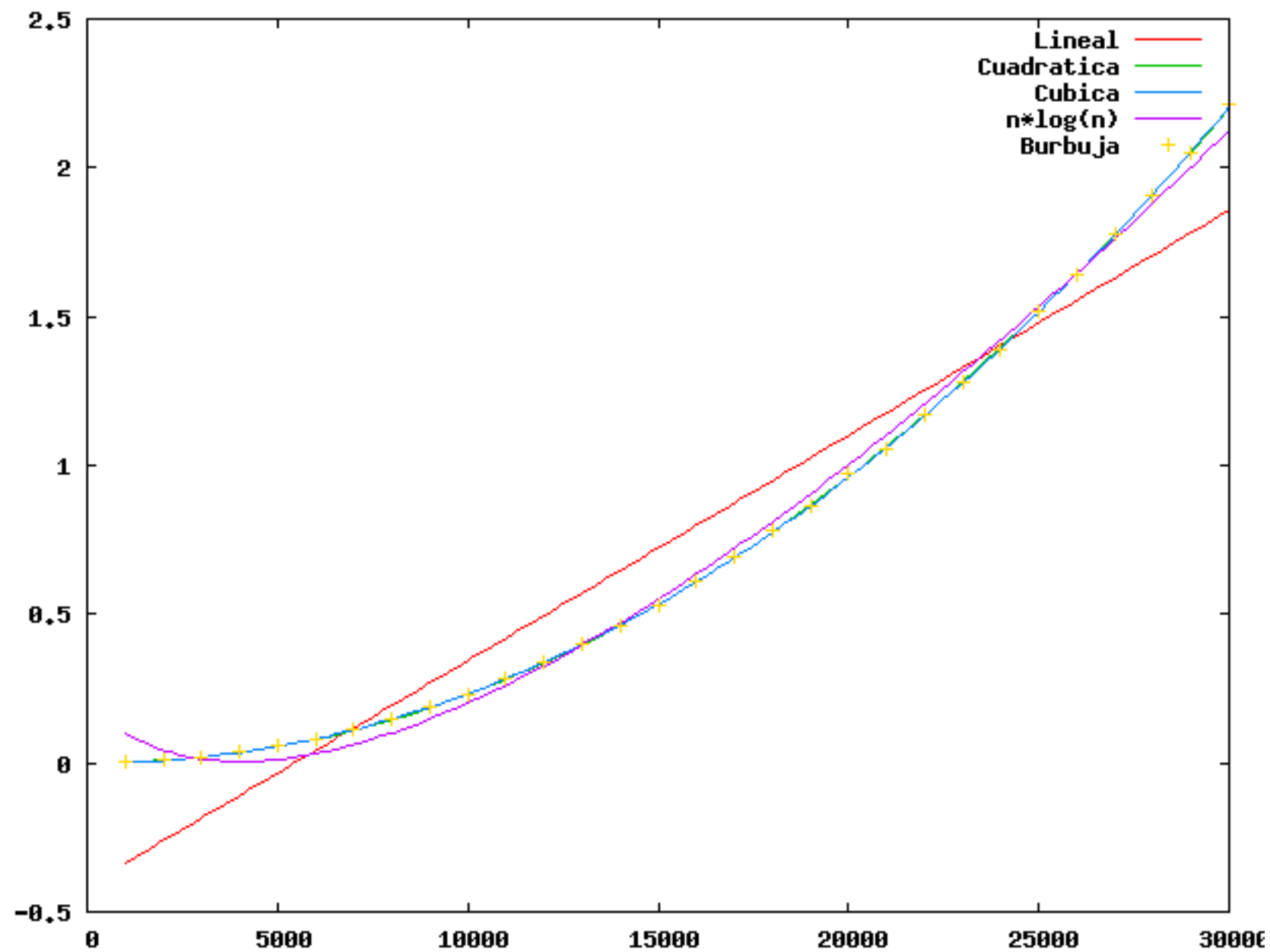
BURBUJA – (ALGORITMO CUADRÁTICO)

	Mac	Fujitsu	Toshiba I	Toshiba II
5000	0.0566537	0.0850352	0.0690438	0.0728696
10000	0.231759	0.324645	0.278338	0.293622
15000	0.529591	0.755142	0.681979	0.654133
20000	0.969623	1.2739	1.20585	1.1646
25000	1.51675	2.00107	1.95989	1.80405
30000	2.21282	2.88364	2.85259	2.61626

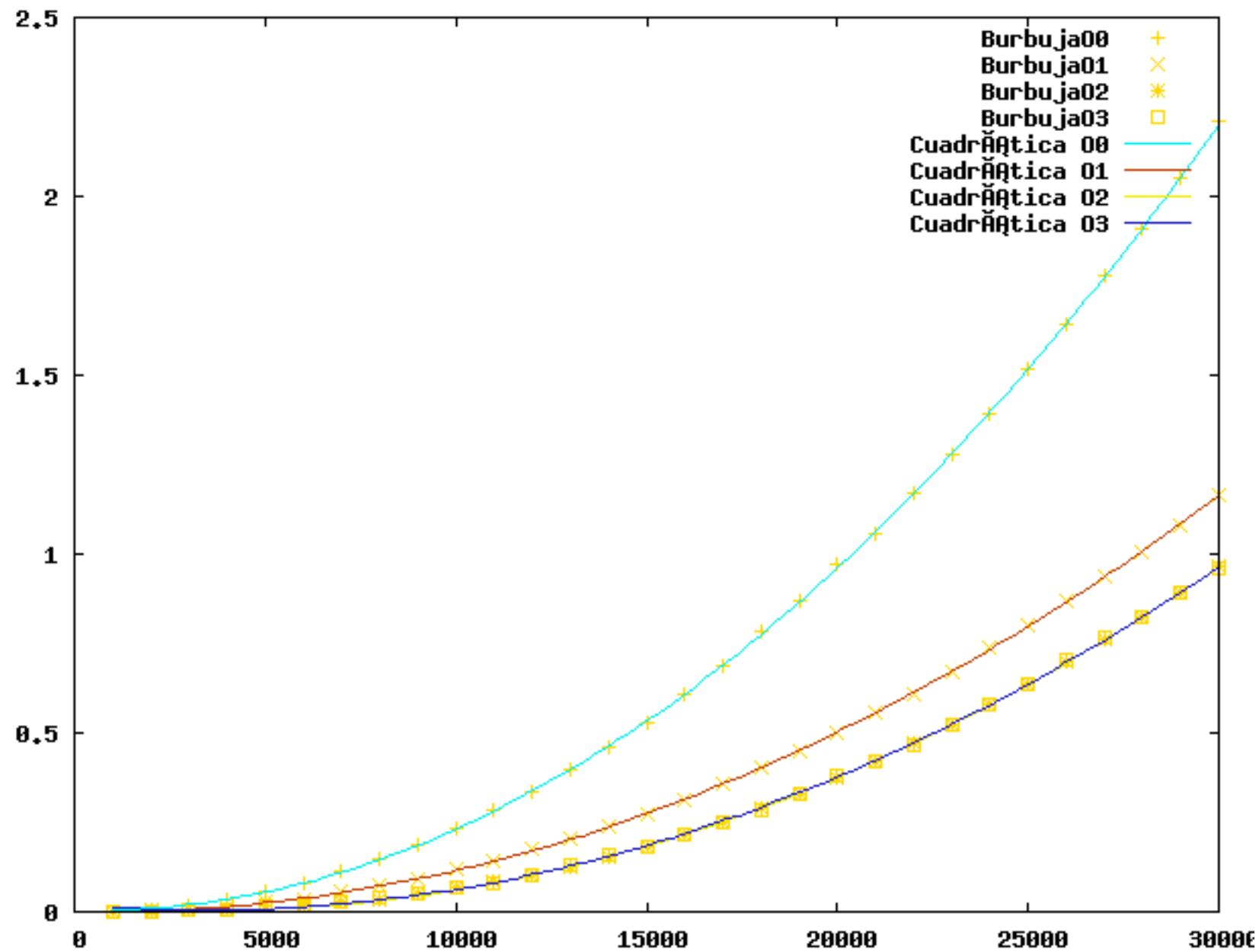
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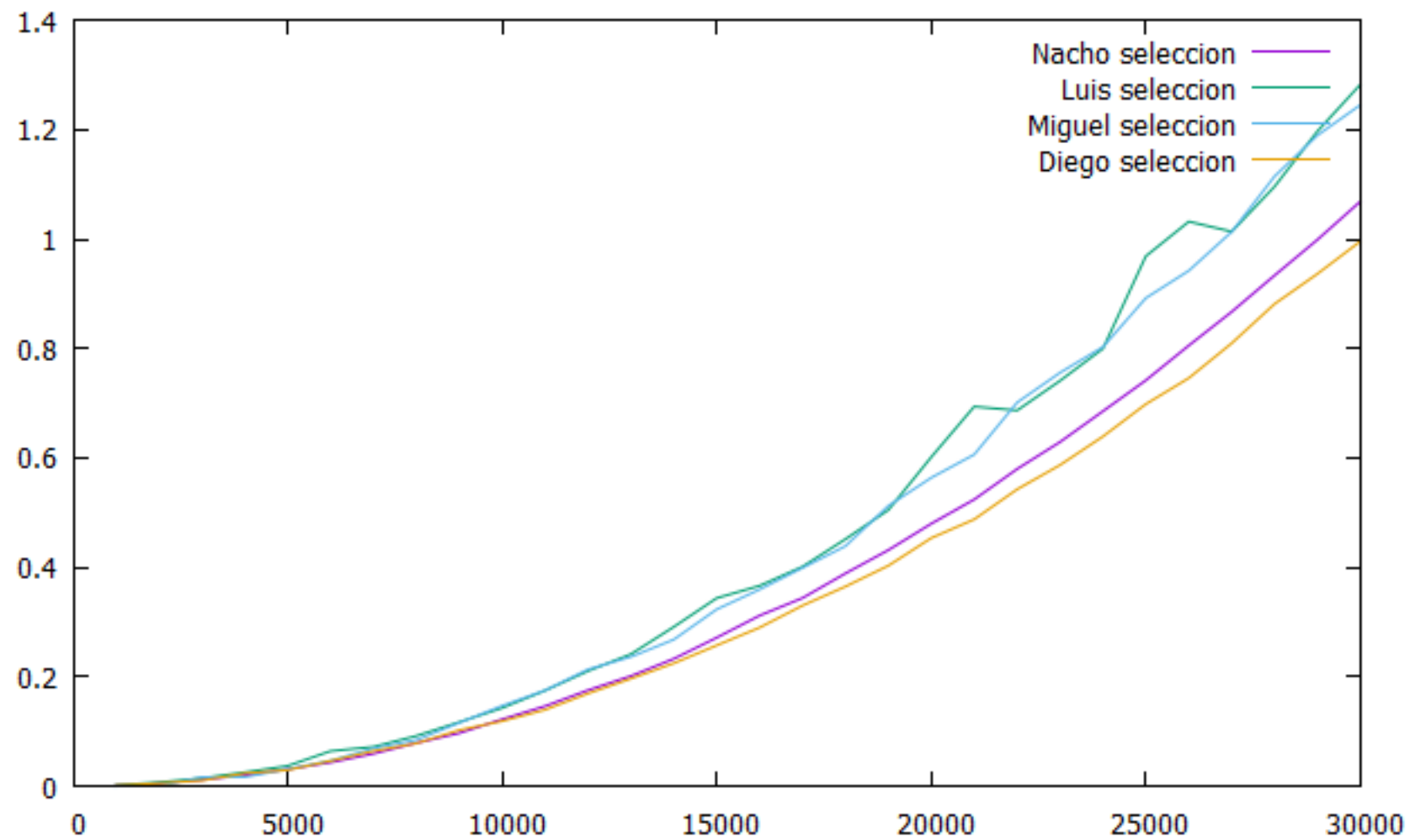
BURBUJA – (ALGORITMO CUADRÁTICO)



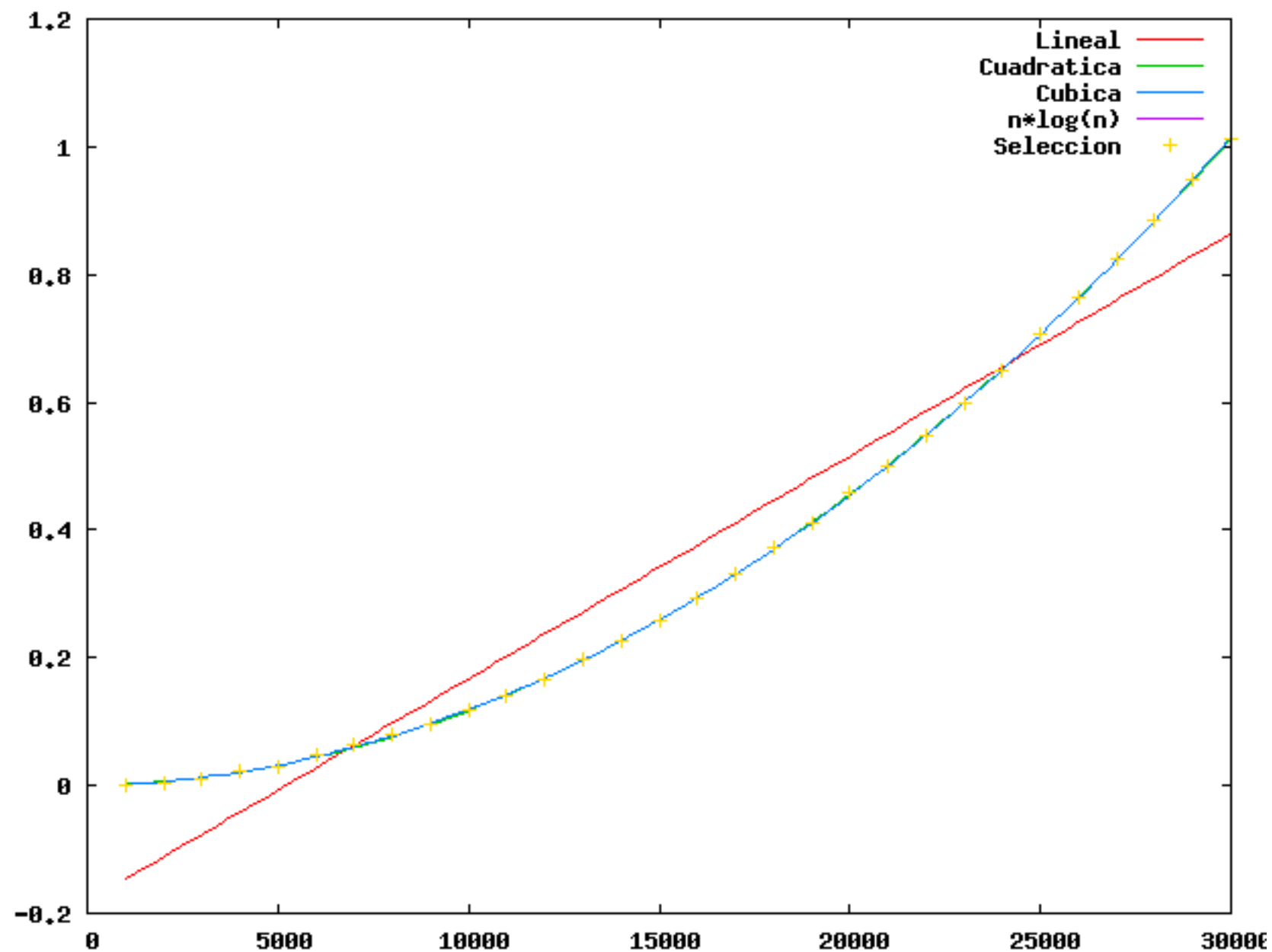
SELECCIÓN – (ALGORITMO CUADRÁTICO)

	Mac	Fujitsu	Toshiba I	Toshiba II
5000	0.0284746	0.0358318	0.0312495	0.030599
10000	0.1117297	0.135138	0.131492	0.120461
15000	0.258216	0.302137	0.316401	0.267336
20000	0.457417	0.535509	0.559725	0.476216
25000	0.705911	0.836132	0.879831	0.74474
30000	1.01369	1.20232	1.27835	1.06273

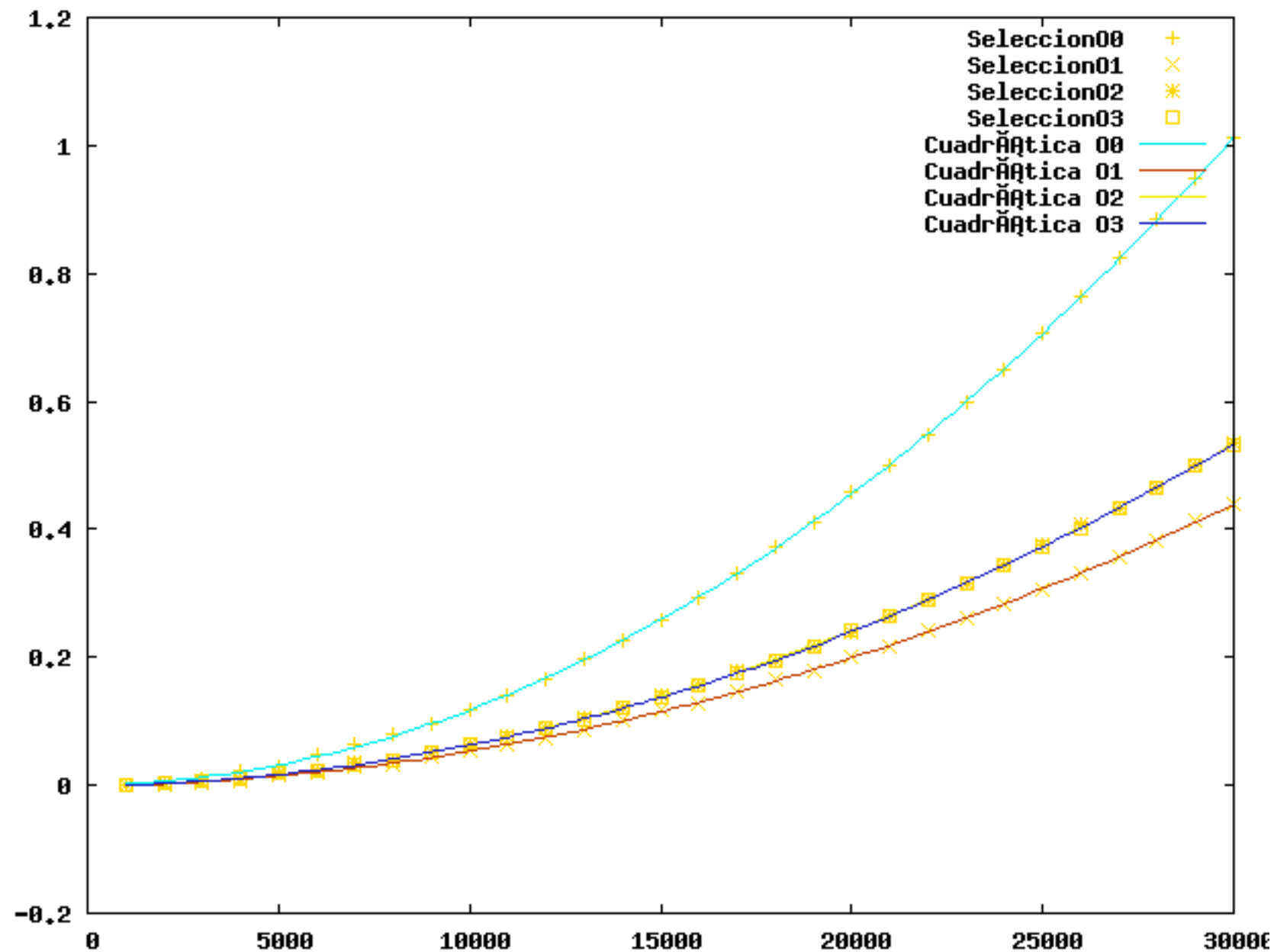
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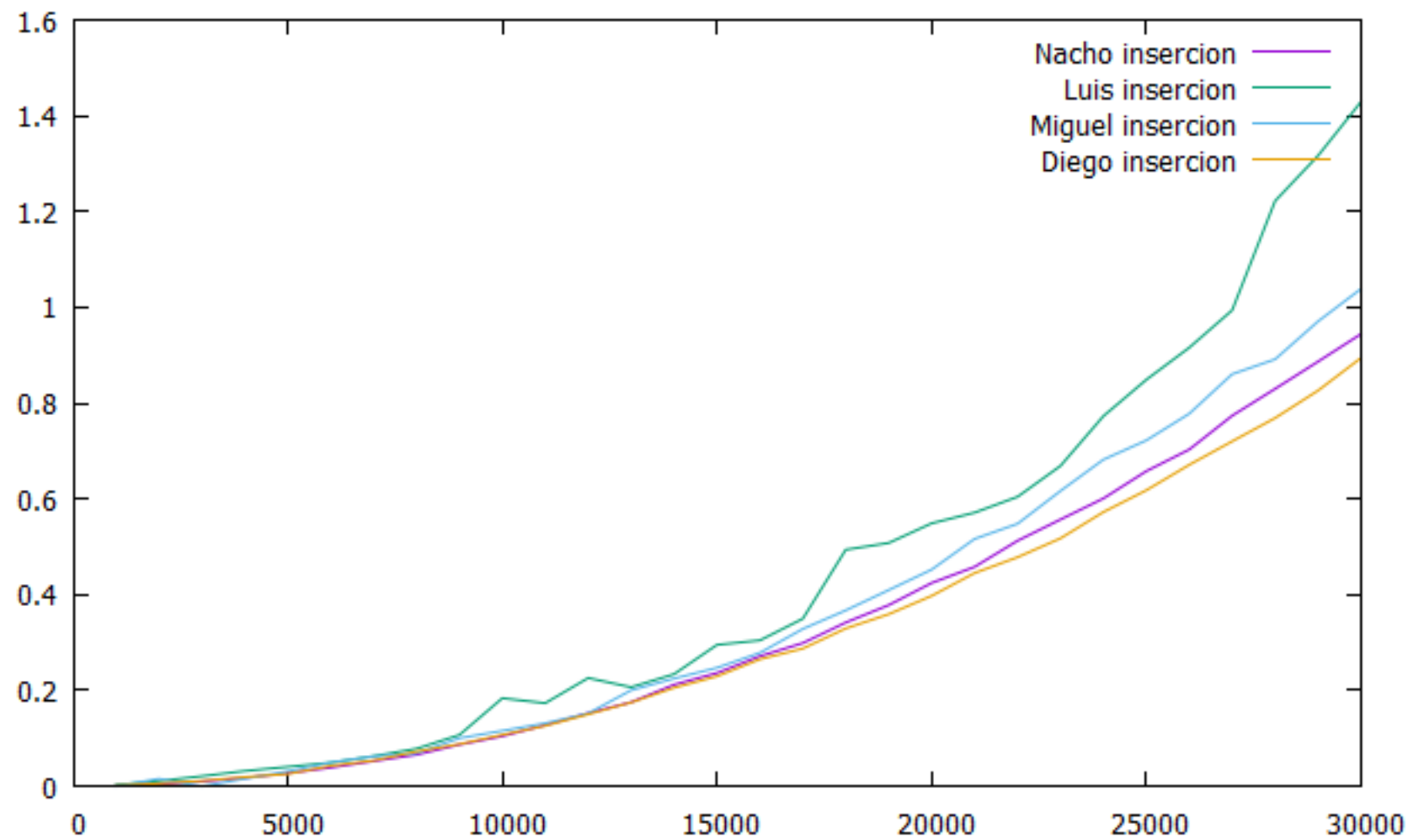
SELECCIÓN – (ALGORITMO CUADRÁTICO)



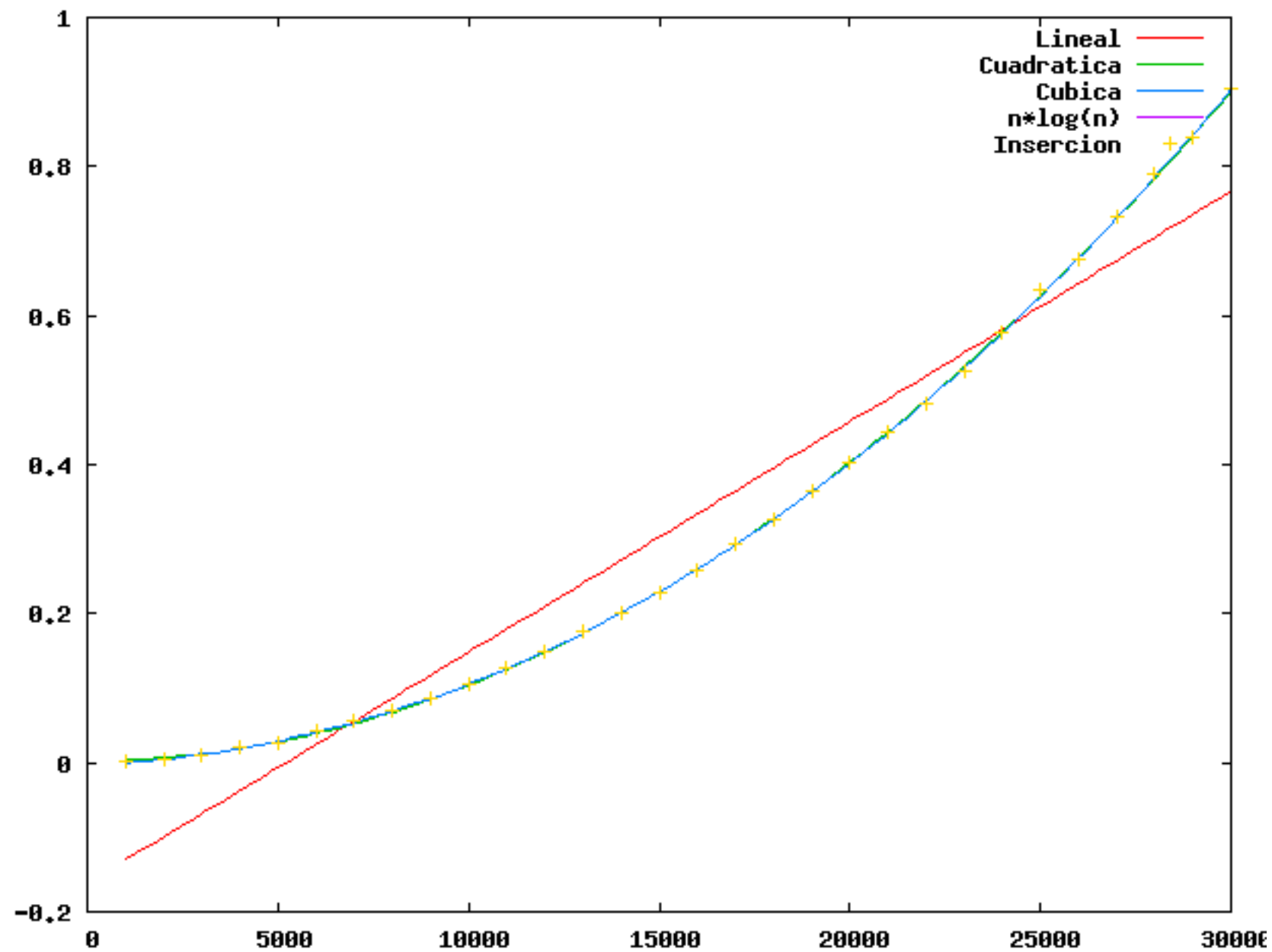
INSERCIÓN – (ALGORITMO CUADRÁTICO)

	Mac	Fujitsu	Toshiba I	Toshiba II
5000	0.0262845	0.030744	0.0312517	0.0274627
10000	0.104901	0.1119957	0.1115884	0.105061
15000	0.228738	0.266293	0.247484	0.238125
20000	0.401515	0.471138	0.459325	0.418411
25000	0.633935	0.8054	0.711882	0.65879
30000	0.903918	1.06134	1.0292	0.935409

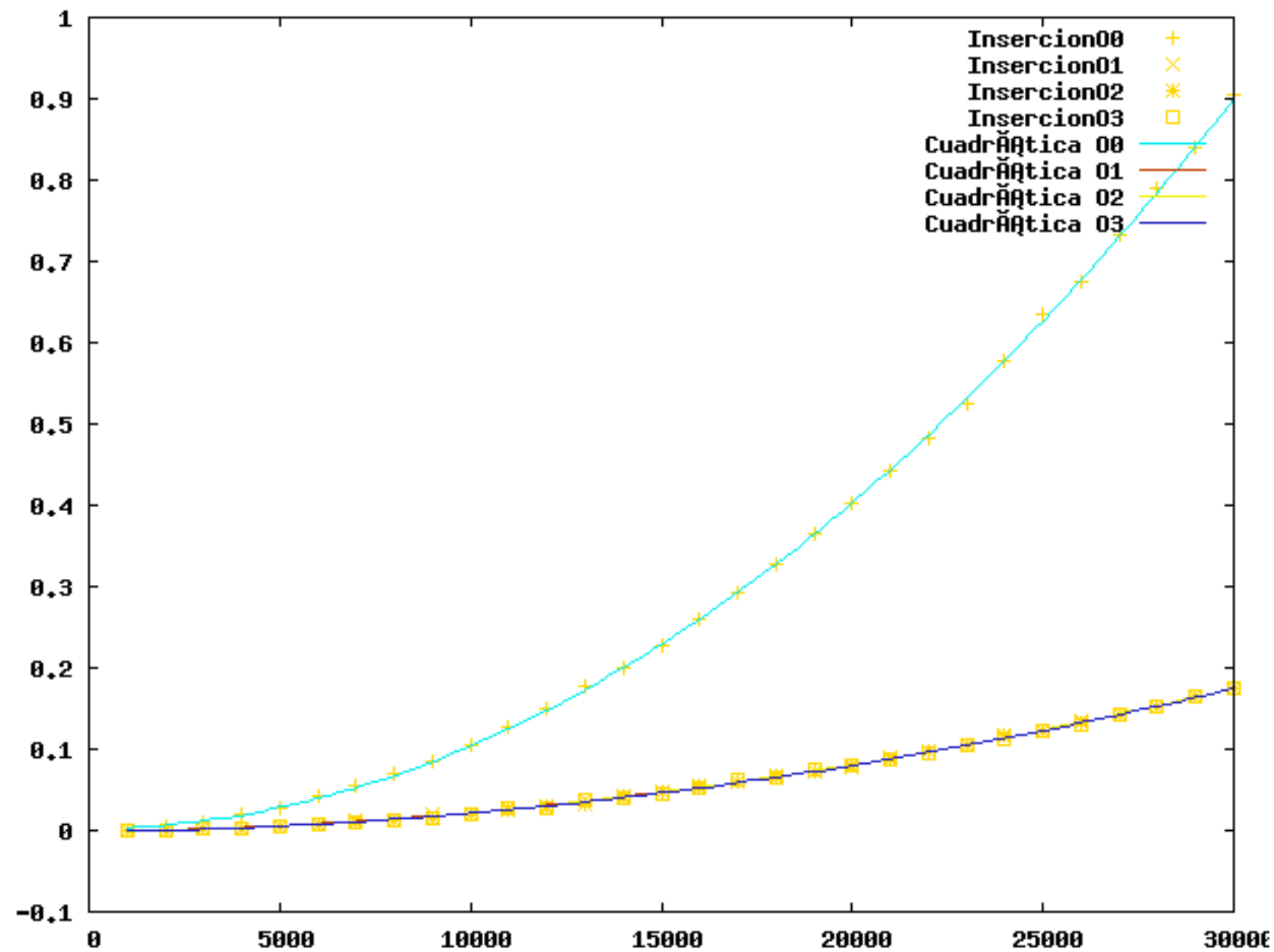
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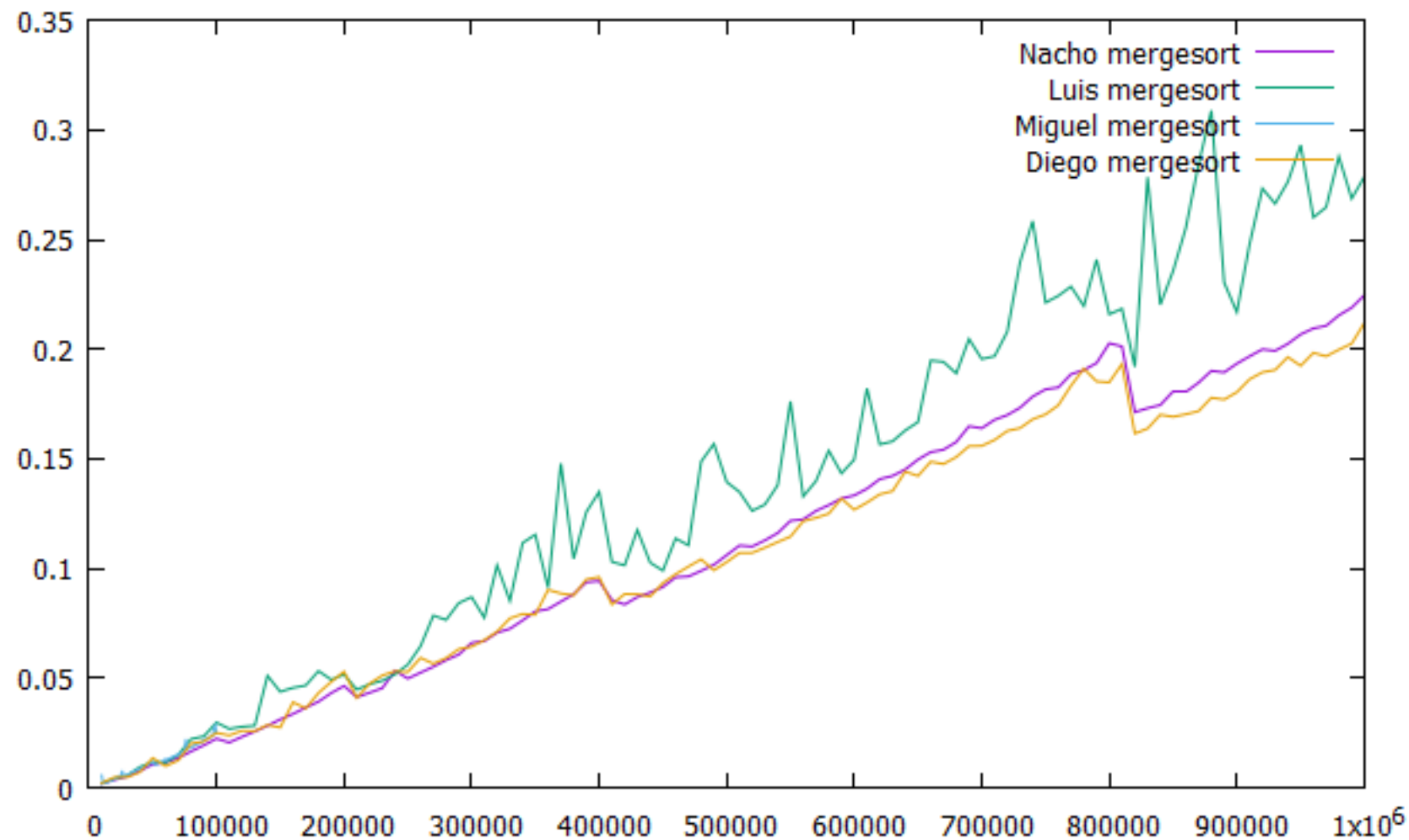
INSERCIÓN - (ALGORITMO CUADRÁTICO)



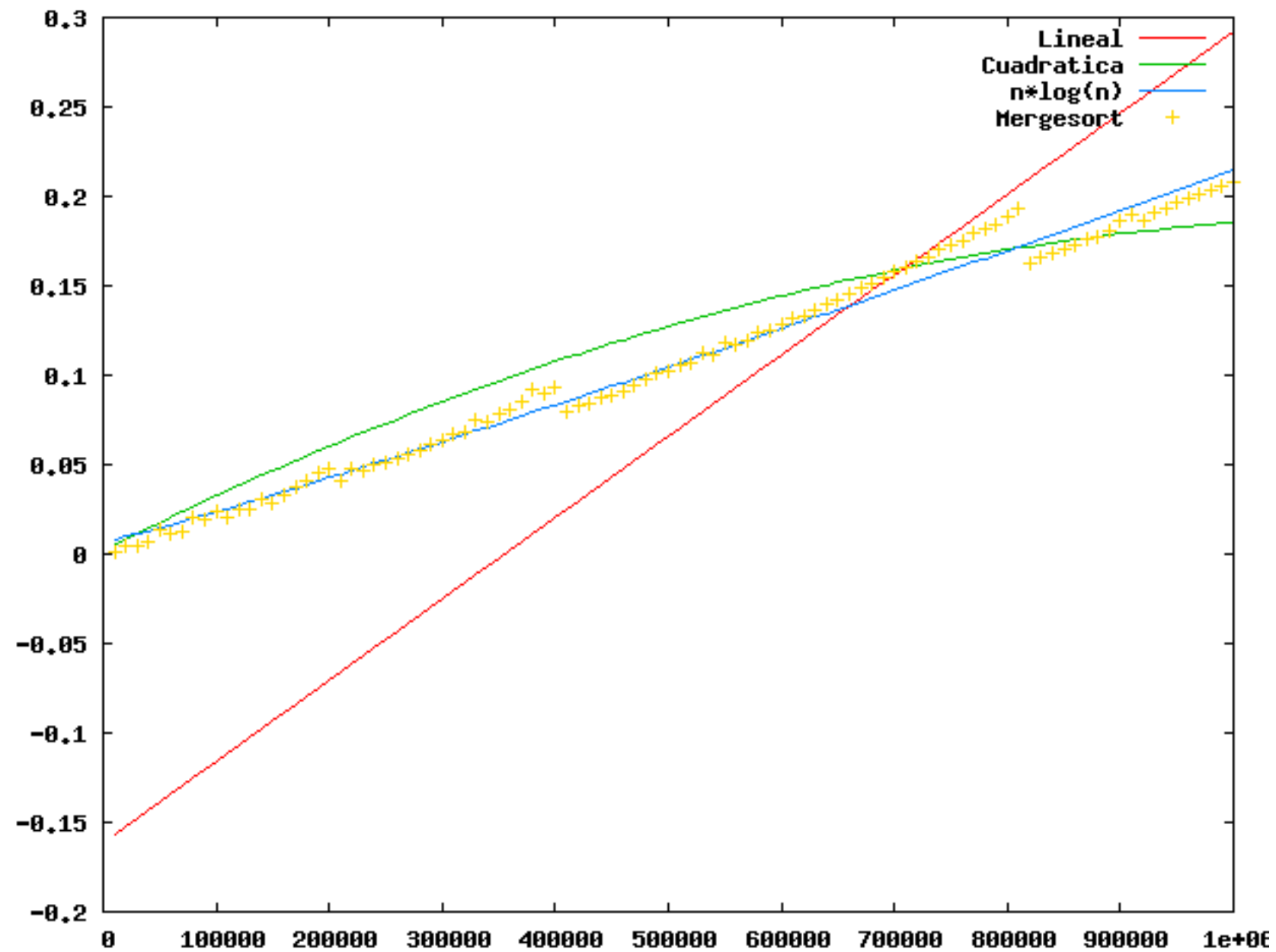
MERGE SORT – (ALGORITMO N·LOG N)

	Mac	Fujitsu	Toshiba I	Toshiba II
200000	0.0477992	0.0496641	0.0520938	0.0454935
360000	0.080902	0.0892253	0.0921153	0.0830836
520000	0.107101	0.1119296	0.125718	0.11081
680000	0.151093	0.170893	0.174132	0.160171
900000	0.186927	0.253734	0.212357	0.194884
1000000	0.208272	0.235429	0.241125	0.219907

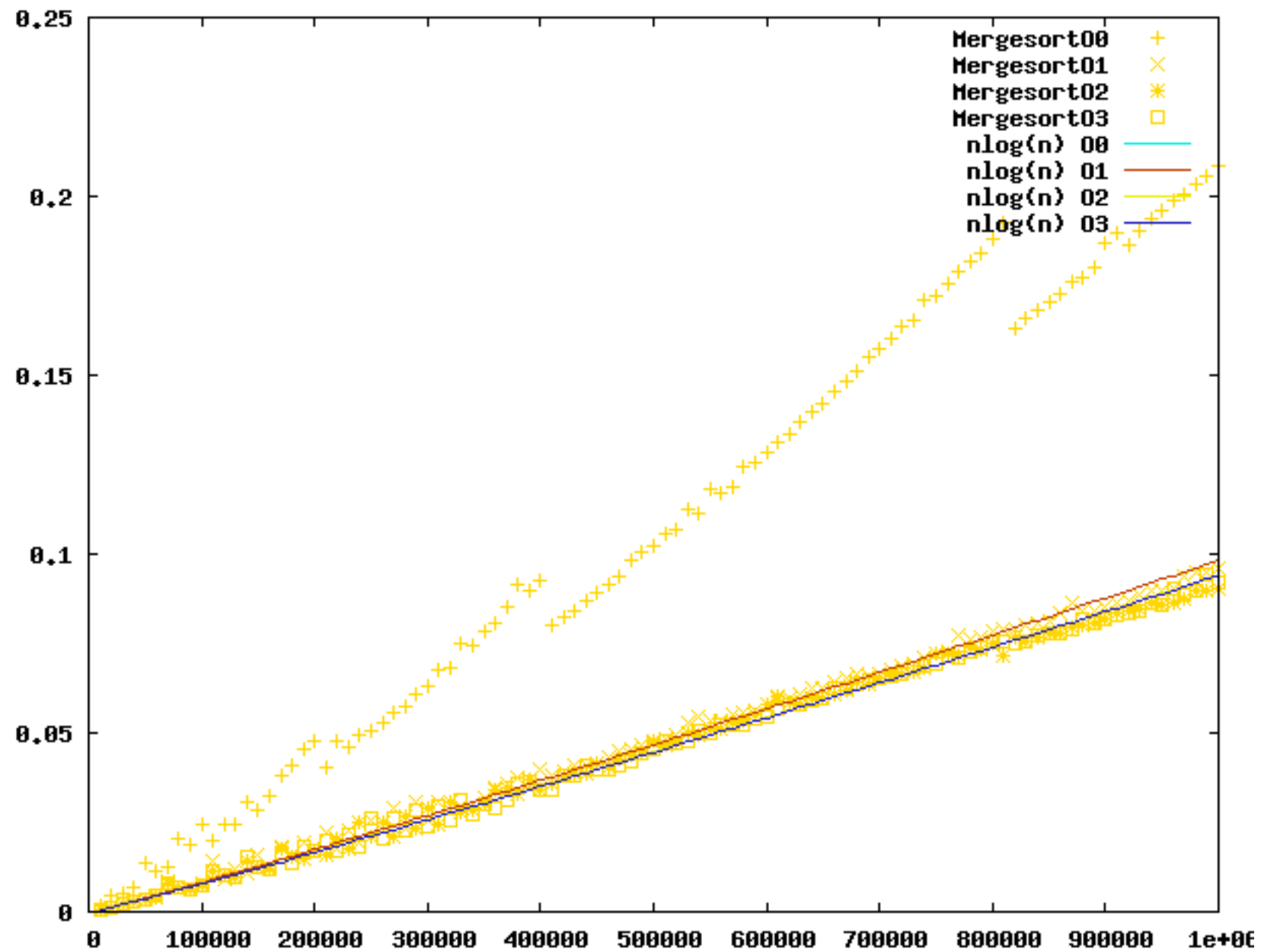
MERGE SORT – (ALGORITMO $N \cdot \log N$)



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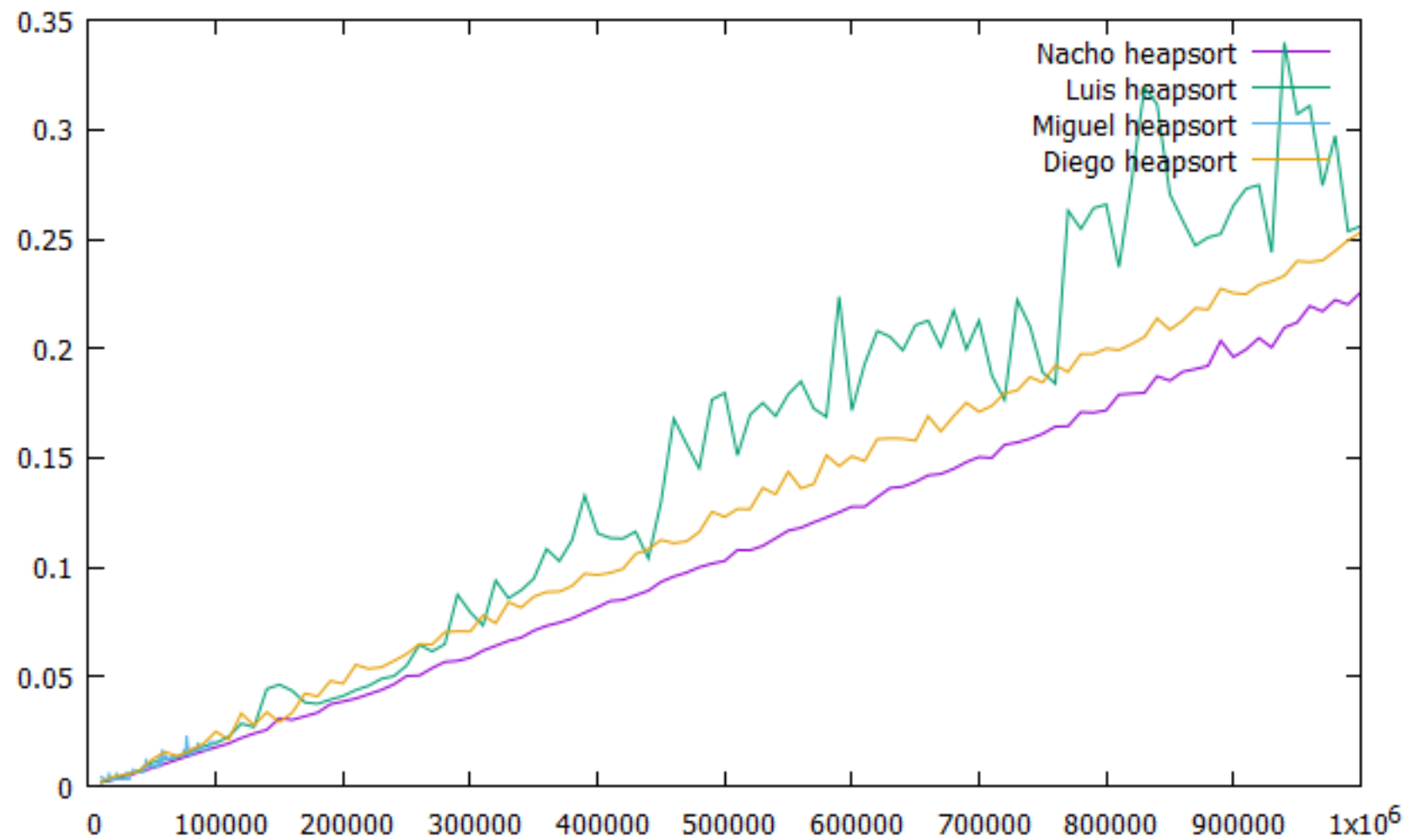
MERGE SORT – (ALGORITMO N·LOG N)



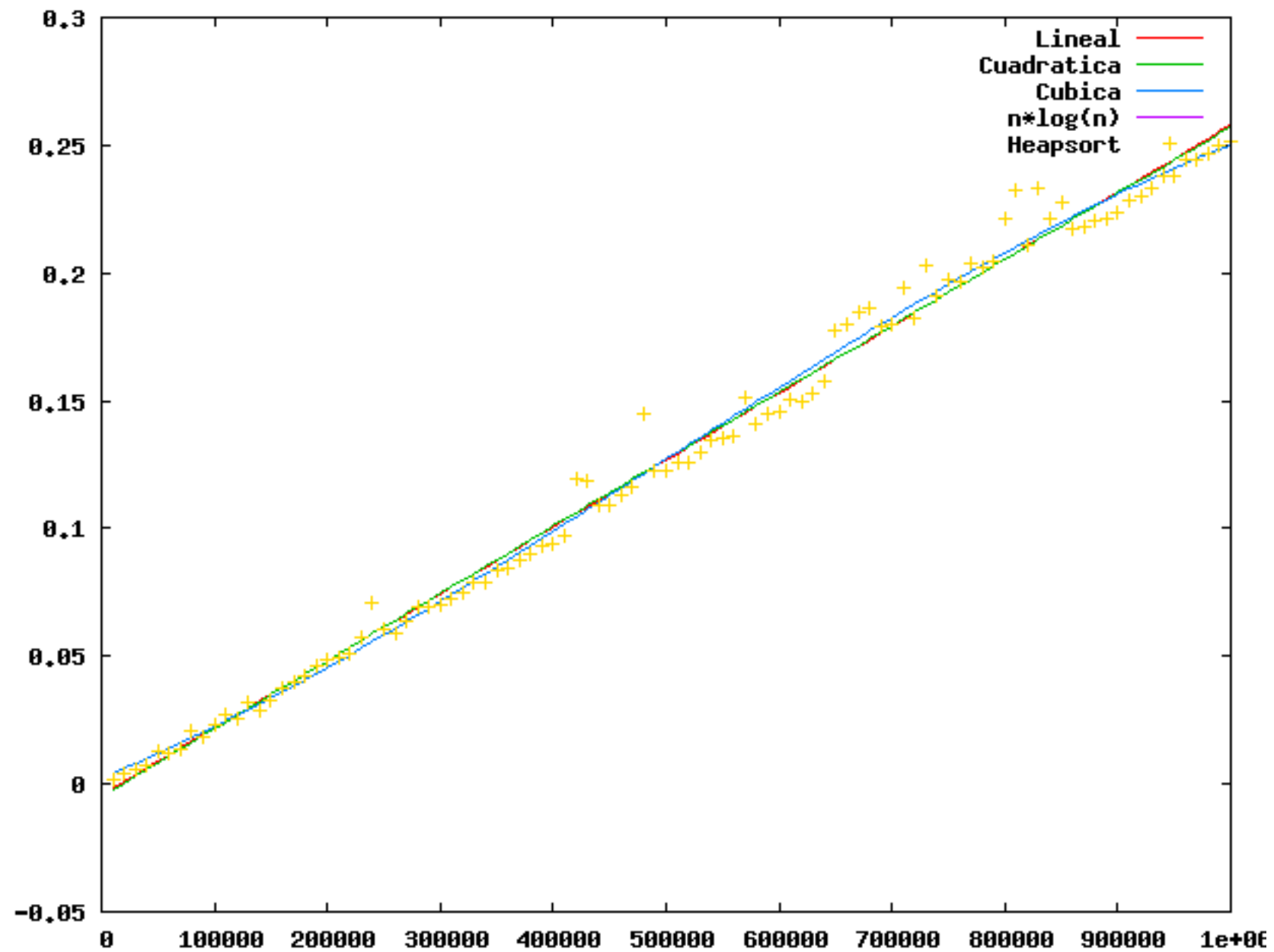
HEAP SORT – (ALGORITMO $N \cdot \log N$)

	Mac	Fujitsu	Toshiba I	Toshiba II
200000	0.0242068	0.0282233	0.0277851	0.0264229
360000	0.0502914	0.0848582	0.0504465	0.0484917
520000	0.075667	0.0801479	0.0714451	0.0720724
680000	0.0938968	0.103451	0.0911523	0.0954178
900000	0.125293	0.139072	0.1111499	0.129451
1000000	0.139386	0.212943	0.120414	0.141572

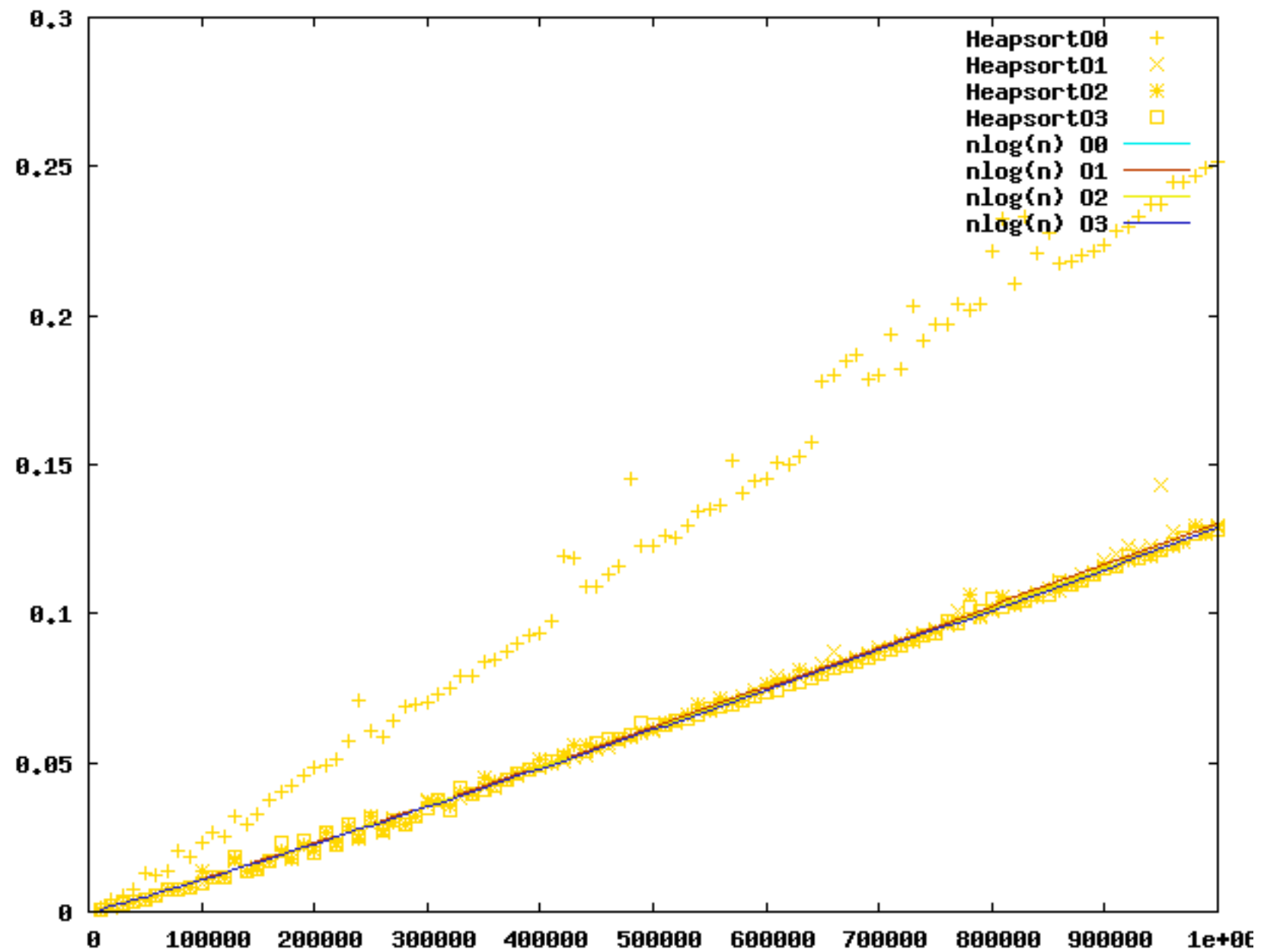
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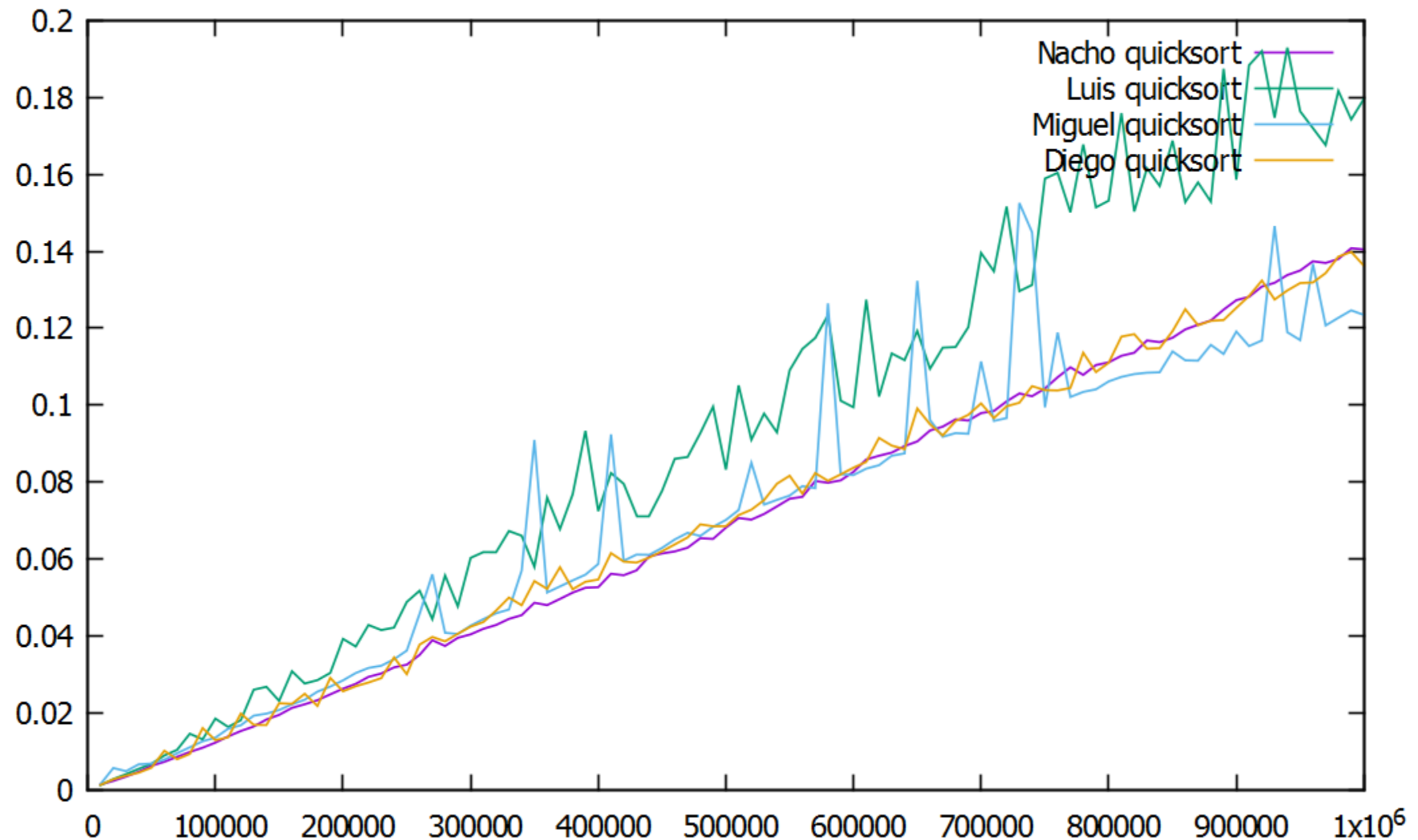
HEAP SORT – (ALGORITMO N·LOG N)



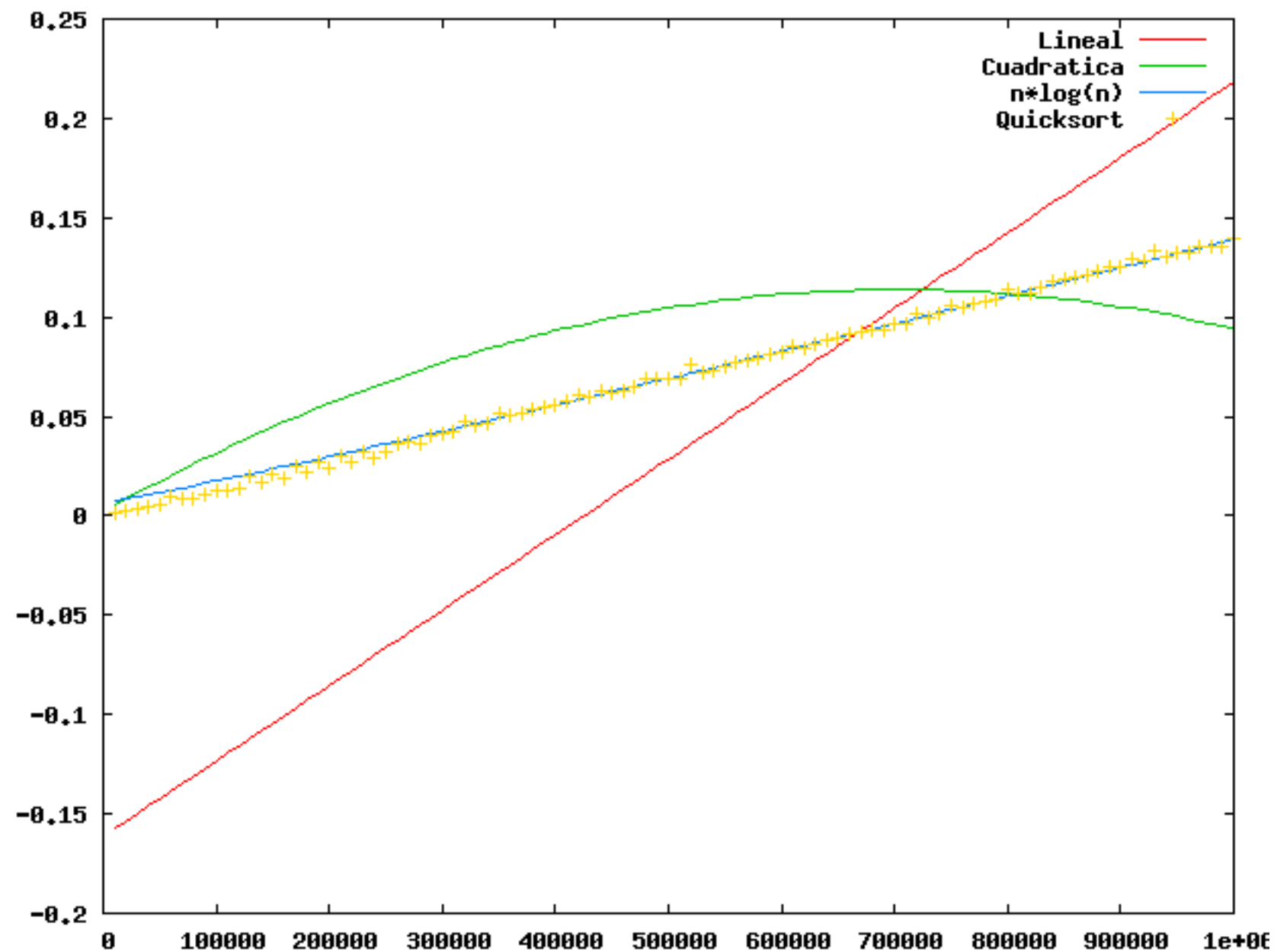
QUICK SORT – (ALGORITMO $N \cdot \log N$)

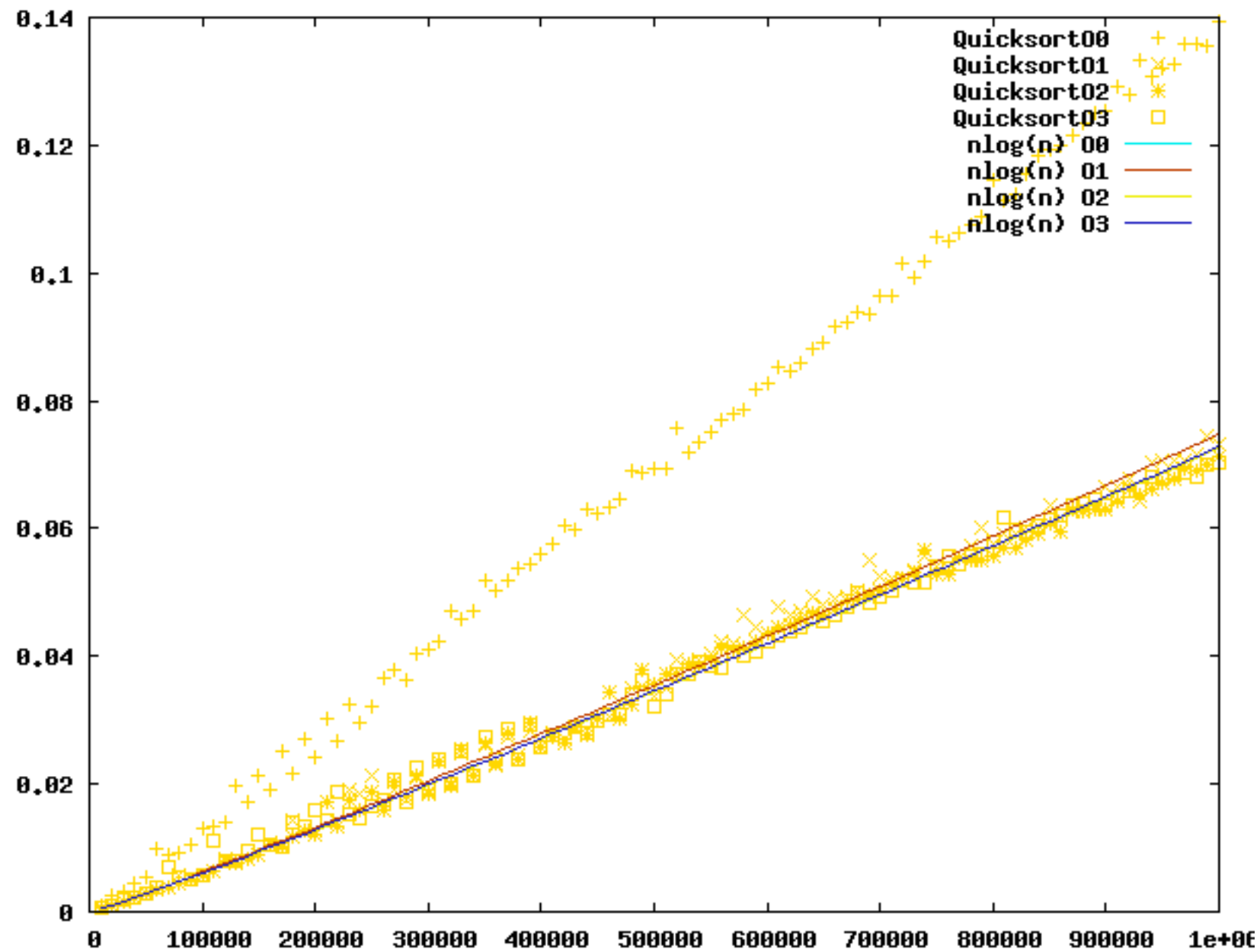
	Mac	Fujitsu	Toshiba I	Toshiba II
200000	0.0242068	0.0282233	0.0277851	0.0264229
360000	0.0502914	0.0848582	0.0504465	0.0484917
520000	0.075667	0.0801479	0.0714451	0.0720724
680000	0.0938968	0.103451	0.0911523	0.0954178
900000	0.125293	0.139072	0.1111499	0.129451
1000000	0.139386	0.212943	0.120414	0.141572

QUICK SORT – (ALGORITMO $N \cdot \log N$)



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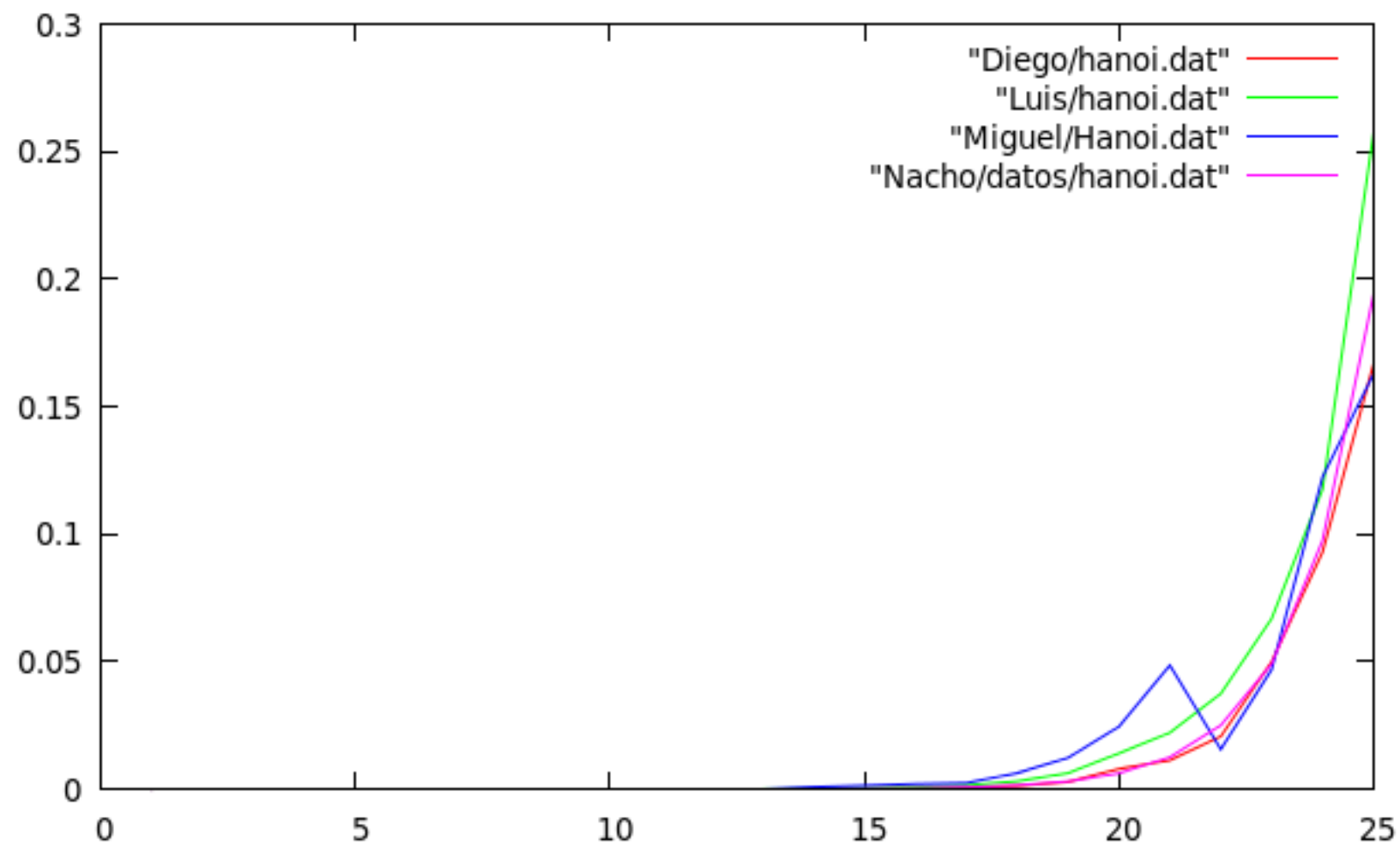


**OTROS
ALGORITMOS**

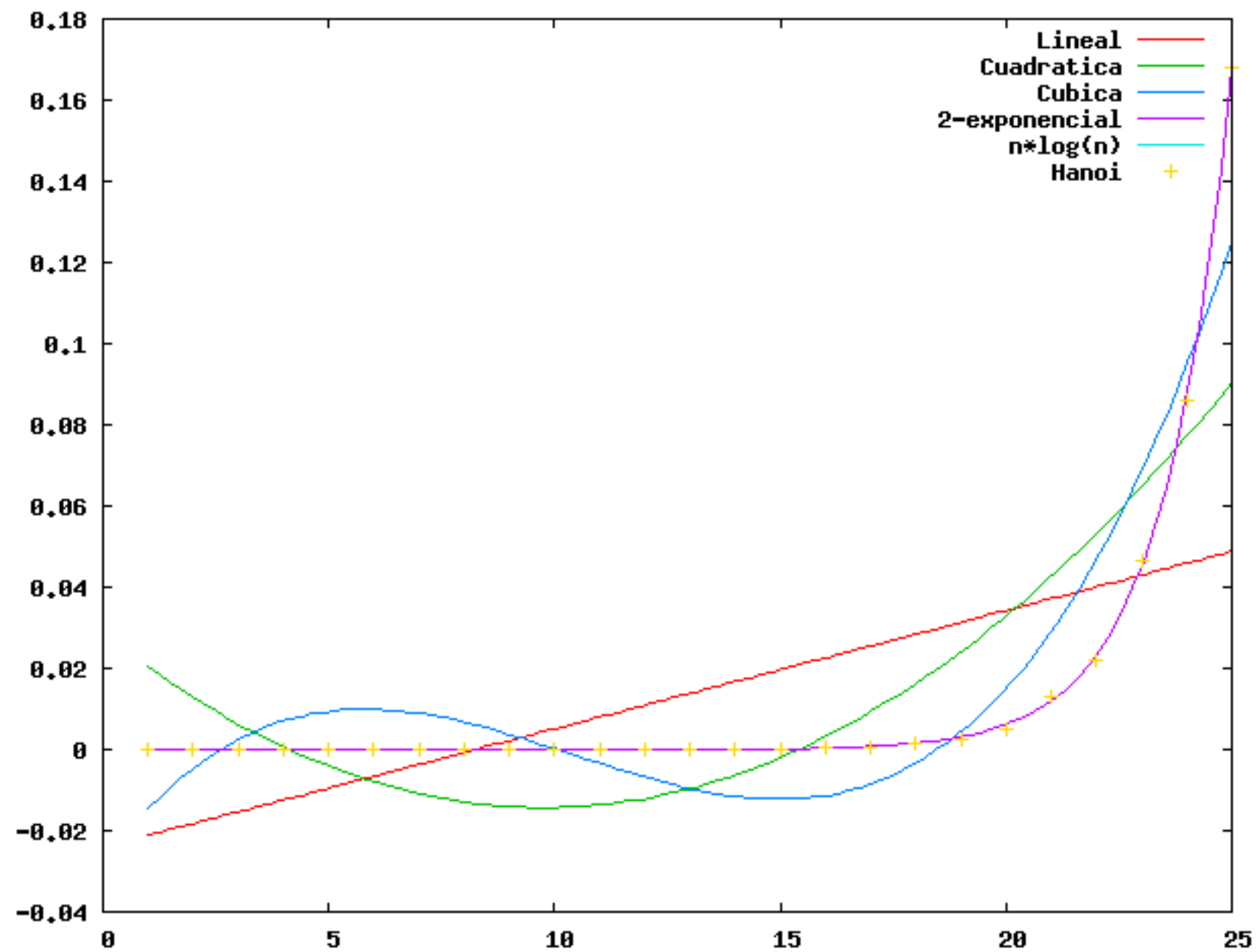
HANOI- (ALGORITMO EXPONENCIAL)

	Mac	Fujitsu	Toshiba I	Toshiba II
5	5.06e-07	1.297e-06	4.2765e-7	5.35e-07
9	3.247e-06	9.724e-06	2.9935e-6	3.537e-06
13	4.0957e-5	0.0001398	4.2765e-5	4.9636e-5
17	0.0006280	0.0009199	0.0006786	0.0008064
21	0.0130899	0.0155172	0.0111062	0.0125927
25	0.168027	0.232212	0.176533	0.195187

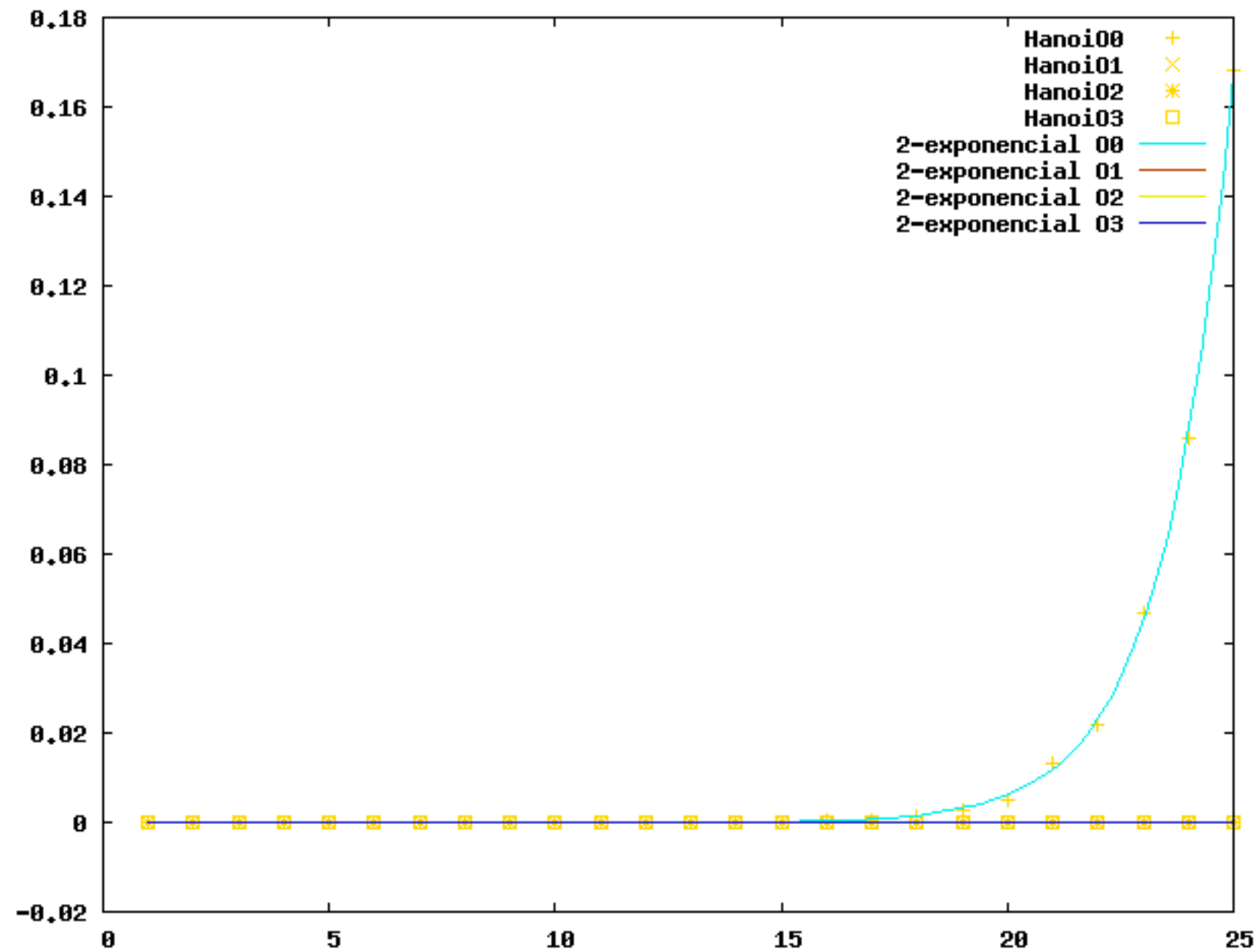
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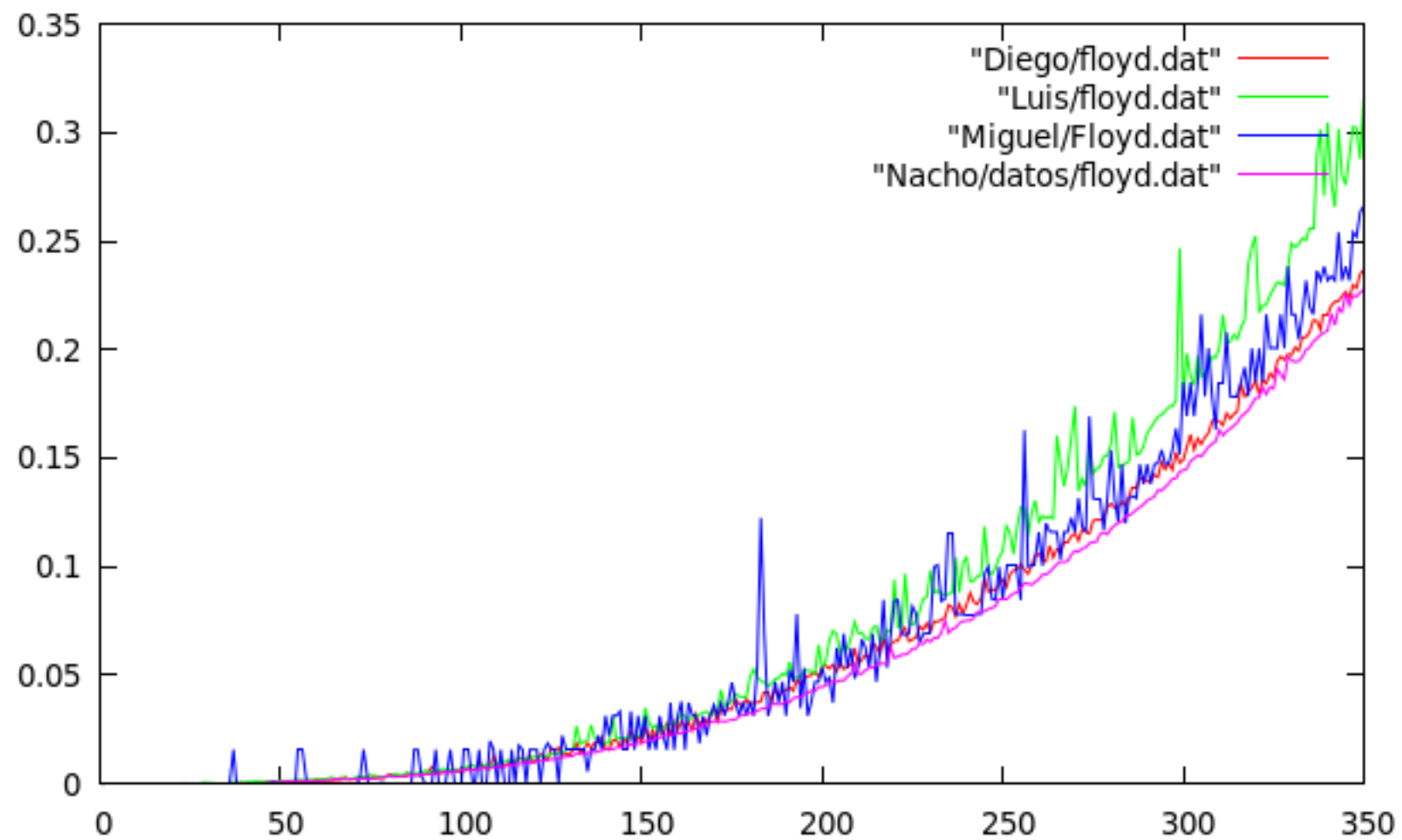
HANOI- (ALGORITMO EXPONENCIAL)



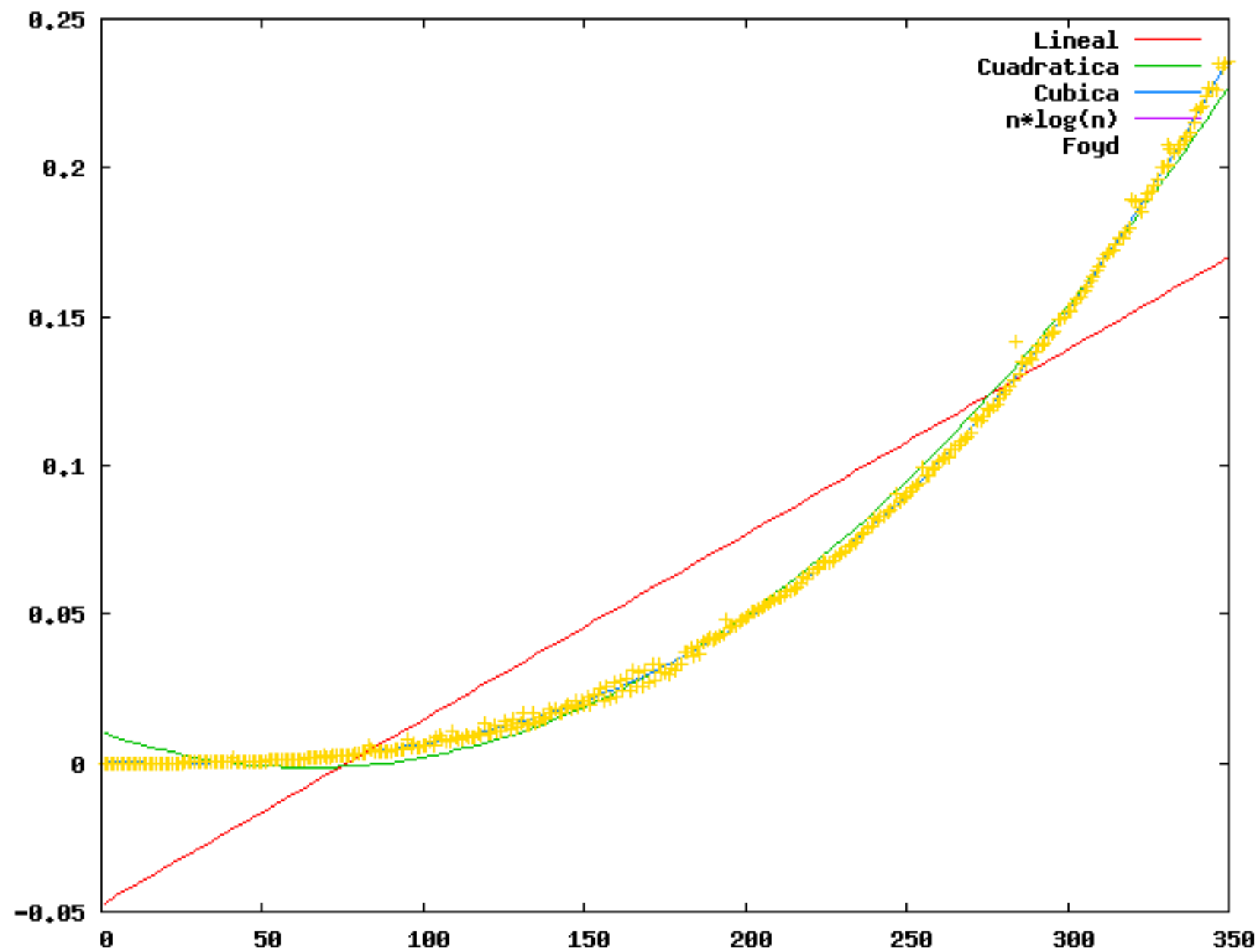
FLOYD- (ALGORITMO CUBICA)

	Mac	Fujitsu	Toshiba I	Toshiba II
36	0.0002904	0.0003284	0.0002843	0.0003053
72	0.0022137	0.0025780	0.0021971	0.0025184
108	0.0072182	0.0082553	0.0078265	0.0086920
144	0.0186484	0.0206543	0.023453	0.0201562
200	0.0490384	0.0505123	0.0443424	0.04778
350	0.2368	0.264915	0.226081	0.268789

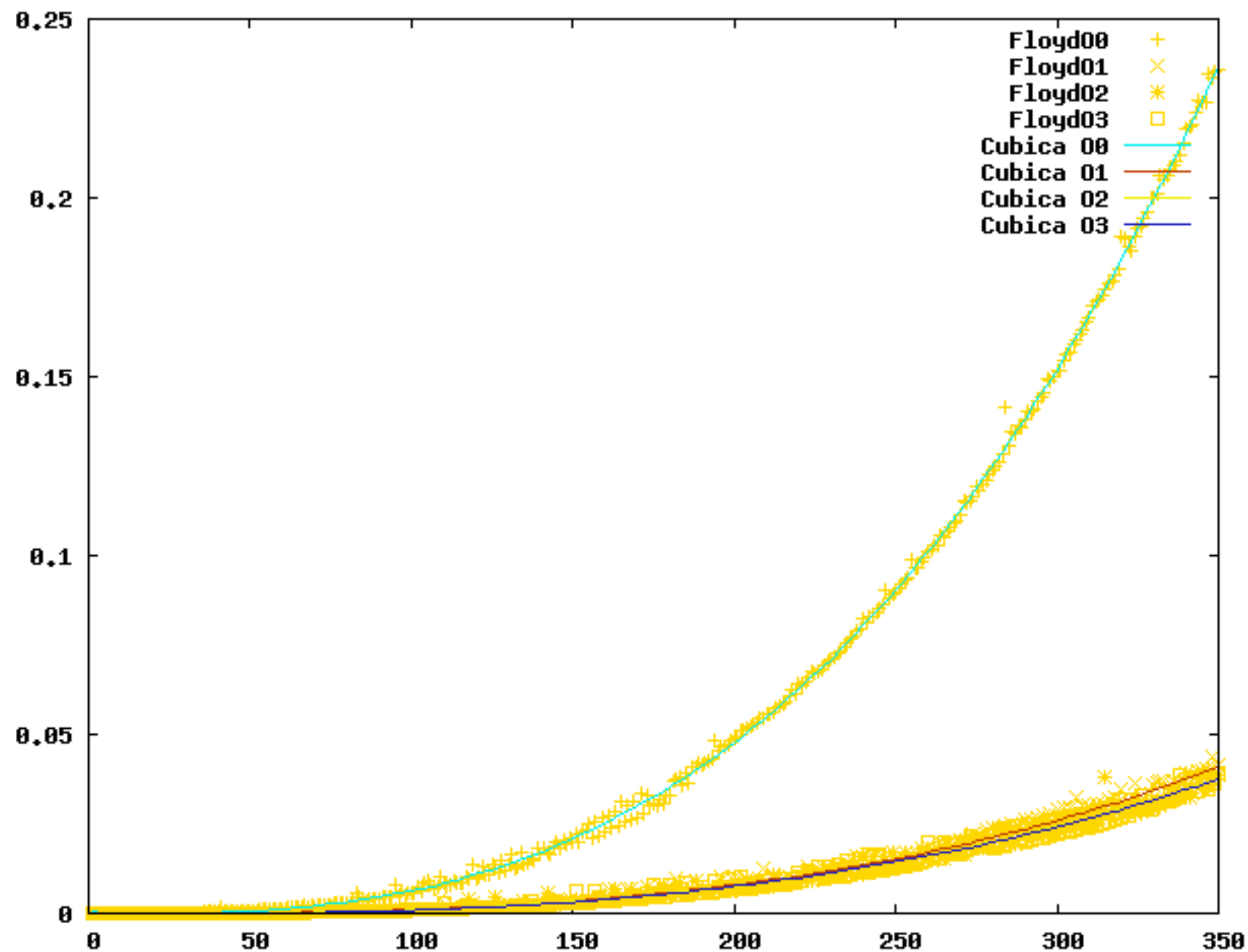
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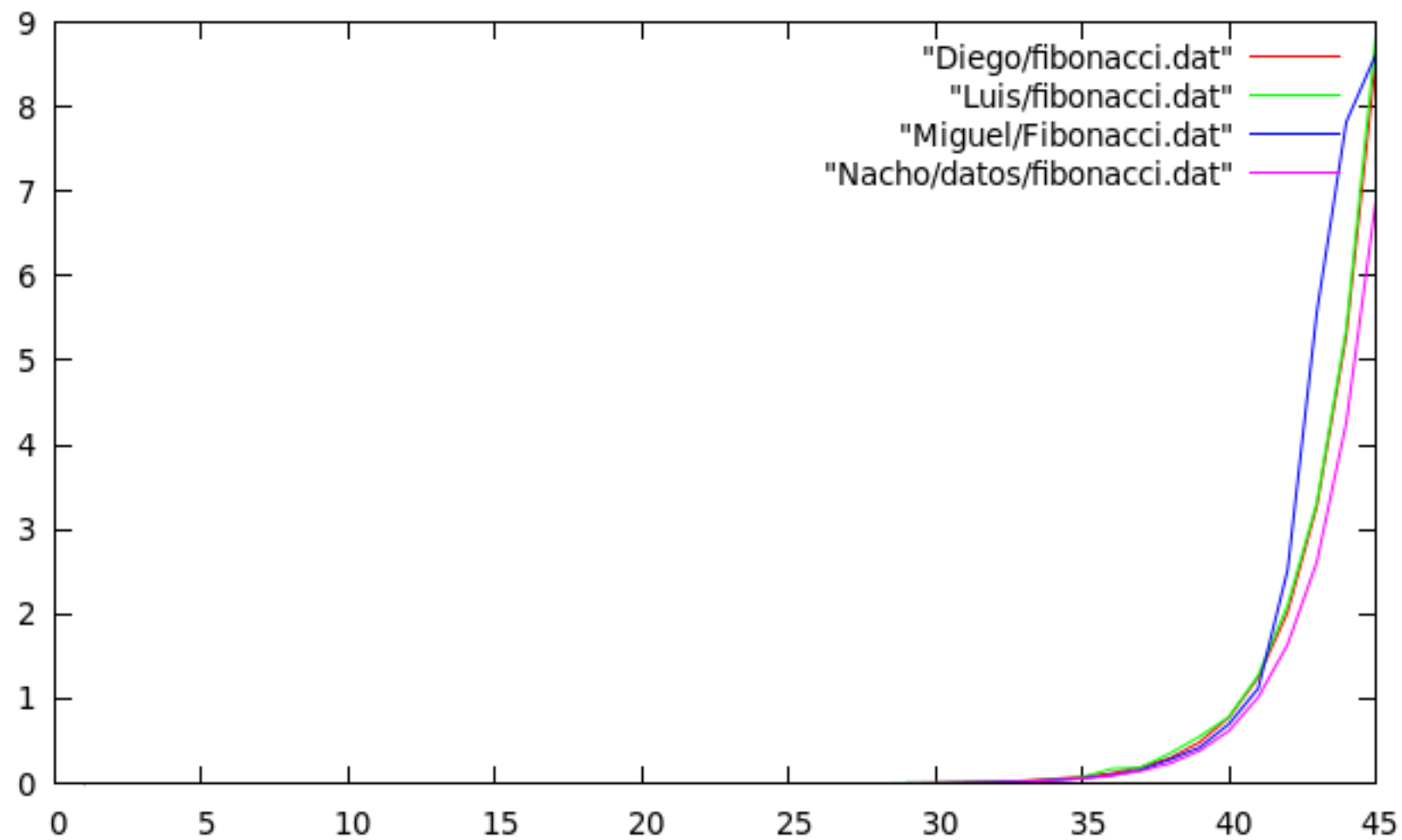
FLOYD- (ALGORITMO CUBICA)



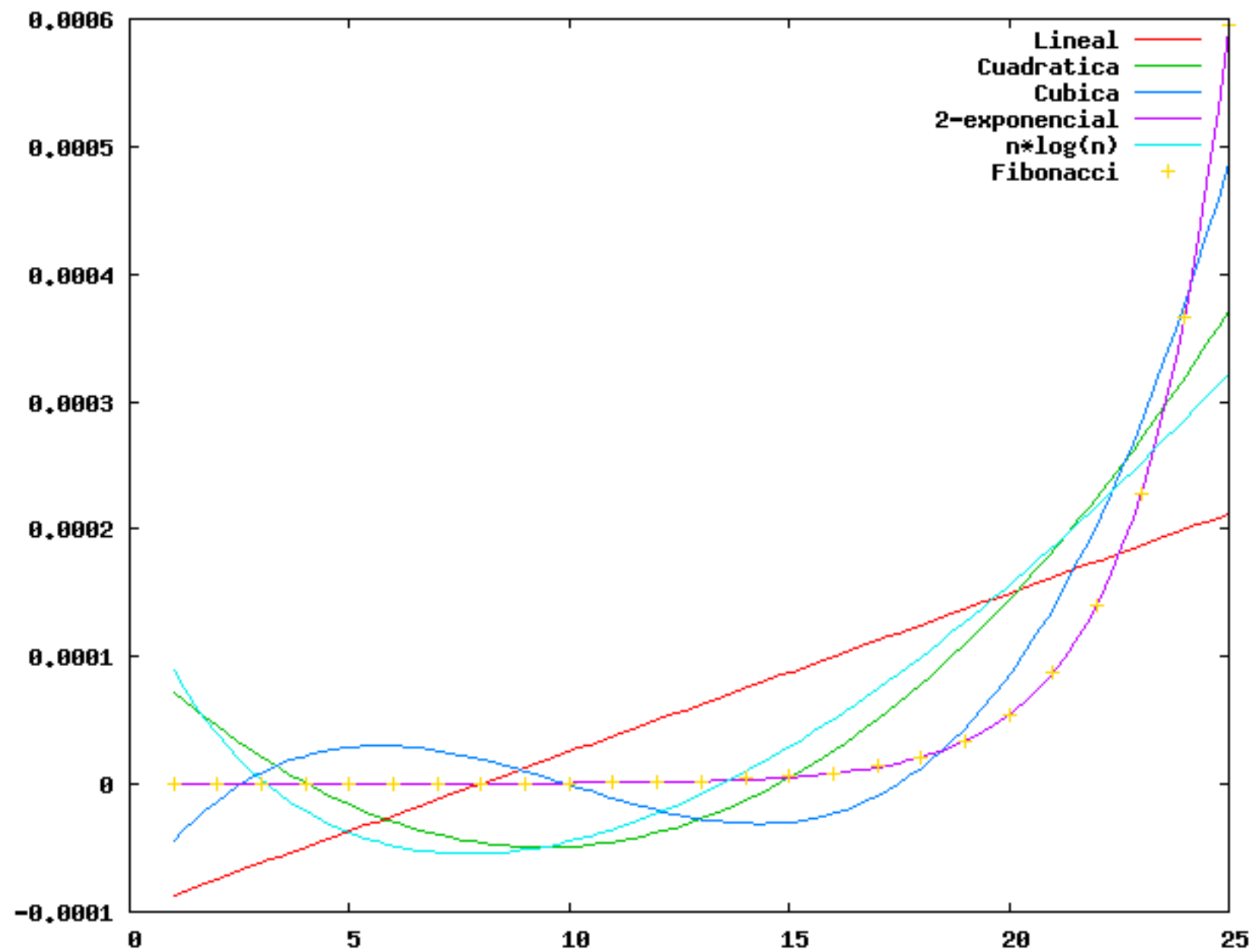
FIBONACI- (ALGORITMO 2 ELEVADO A ENE)

	Mac	Fujitsu	Toshiba I	Toshiba II
5	2.42e-07	6.64e-07	4.2765e-7	6.64e-07
9	7.3e-07	1.737e-06	4.2765e-7	1.737e-06
13	2.45e-06	5.45e-06	2.1382e-6	5.45e-06
17	1.3923e-5	3.9642e-5	1.1546e-5	3.9642e-5
21	8.7884e-5	0.0001177	7.5694e-5	0.0001177
25	0.0005945	0.0008323	0.0008257	0.0008323

FIBONACI- (ALGORITMO 2 ELEVADO A ENE)



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