

	CPU			AVX2			THREADS			FORKS		Supercomputadora	GPU		FPGA zynq7010	FPGA virtex7
	loop unroll	hack 64 bits		loop unroll			cpu x 4 + loopunroll	cpu x 32 + loopunroll	cpu x 4 + avx2 loopunroll	cpu x 4 + avx2 loopunroll	cpu x 16 + loopunroll	loopunroll+ 1x1/64x1/1x64	loopunroll+ 64x64			
letras	4	4	4	4	4	4	5	5	5	5	4	5	6	????	????	
hashes	16M	16M	16M	16M	16M	16M	1G	1G	1G	1G	16M	1G	68G			
Normal	6.84	6.98	6.56	3.7	3.54	137			97	92						
-O1	3.26	1.75	5.06	0.59	0.35	32			7	7						
-O2	2.84	1.75	4.95	0.57	0.35	33			7	7						
-O3	2.95	1.75	4.94	0.59	0.35	33			7	7						
velocidad [MH*s]	5M7	9.6	3.4	28.4	47.9	32.5	179.9	153.4	153.4	15	1.1	33.5	1100	????	????	
frecuencia [Ghz]	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.5	2.5	1			????	????	
precio conjunto	600	600	600	600	600	600	600	12000	600	600	160	600	600	160		
precio parte								3400				33	33			
consumo	15	15	15	15	15	15	15	130	15	15	2	23	23	3	????	
hashes	16777216	16777216	16777216	16777216	16777216	1073741824	1073741824	1073741824	1073741824	1073741824	16777216	1073741824	68719476736			
Mhashes	16.78	16.78	16.78	16.78	16.78	1073.74	1073.74	1073.74	1073.74	1073.74	16.78	1073.74	68719.48			
tiempo [s]	2.95	1.75	4.94	0.59	0.35	33	6	7	7	7	1.1	32	63			
velocidad [Mhashes*s]	5.69	9.59	3.40	28.44	47.93	32.54	178.96	153.39	153.39	15.25	33.55	1090.79				
Mhashes * W	0.38	0.64	0.23	1.90	3.20	2.17	1.38	10.23	10.23	7.63	1.46	47.43				
Mhashes * \$	9.4786531073	15.9783009524	5.6603292848	47.3932655367	79.8915047619	54.2293850505	14.9130808889	255.6528152381	255.6528152381	95.3250909091	55.9240533333	1817.975575026				

5 dígito	segundos o minutos														
6 dígitos	horas														
7 dígitos	semanas			días			días			días			horas		
8 dígitos	años			meses			meses			meses			días		

	cpu	unroll	hack	avx2	avx2+unroll	threads x 4	threads x 32	Threads x 4 + avx	Forks x 4 + avx	cores x 16	gpu x 64	gpu x 4096
Factor	1	1	2	8	8	4	32	32	32	16	64	370
Esperada	5.69	5.69	11.37	45.50	45.50	22.75	181.99	181.99	181.99	91.00	363.98	2104.26
Obtenida	5.69	9.59	3.39	28.44	47.93	32.54	178.96	153.39	153.39	15.25	33.55	1090.79
velocidad [MH*s]	5.69	9.59	3.40	28.44	47.93	32.54	178.96	153.39	153.39	15.25	33.55	1090.79
por watt	0.38	0.64	0.23	1.90	3.20	2.17	1.38	10.23	10.23	7.63	1.46	47.43
por dolar	9.4786531073	15.9783009524	5.6603292848	47.3932655367	79.8915047619	54.2293850505	14.9130808889	255.6528152381	255.6528152381	95.3250909091	55.9240533333	1817.975575026

