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y

prueba1

Test Systems:

prueba1

Processor: Intel Core i5-9400F @ 4.10GHz (6 Cores), Motherboard: Gigabyte Z390 M-CF, Chipset: Intel Cannon Lake PCH Shared SRAM, Memory: 2 x 16384 MB DDR4-2666MT/s, Disk: 500GB Western Digital WDS500G2B0B + 2 x 960GB Micron_5200_MTFD, Graphics: Gigabyte NVIDIA GeForce GTX 1050 Ti, Audio: Realtek ALC892, Network: Intel Connection

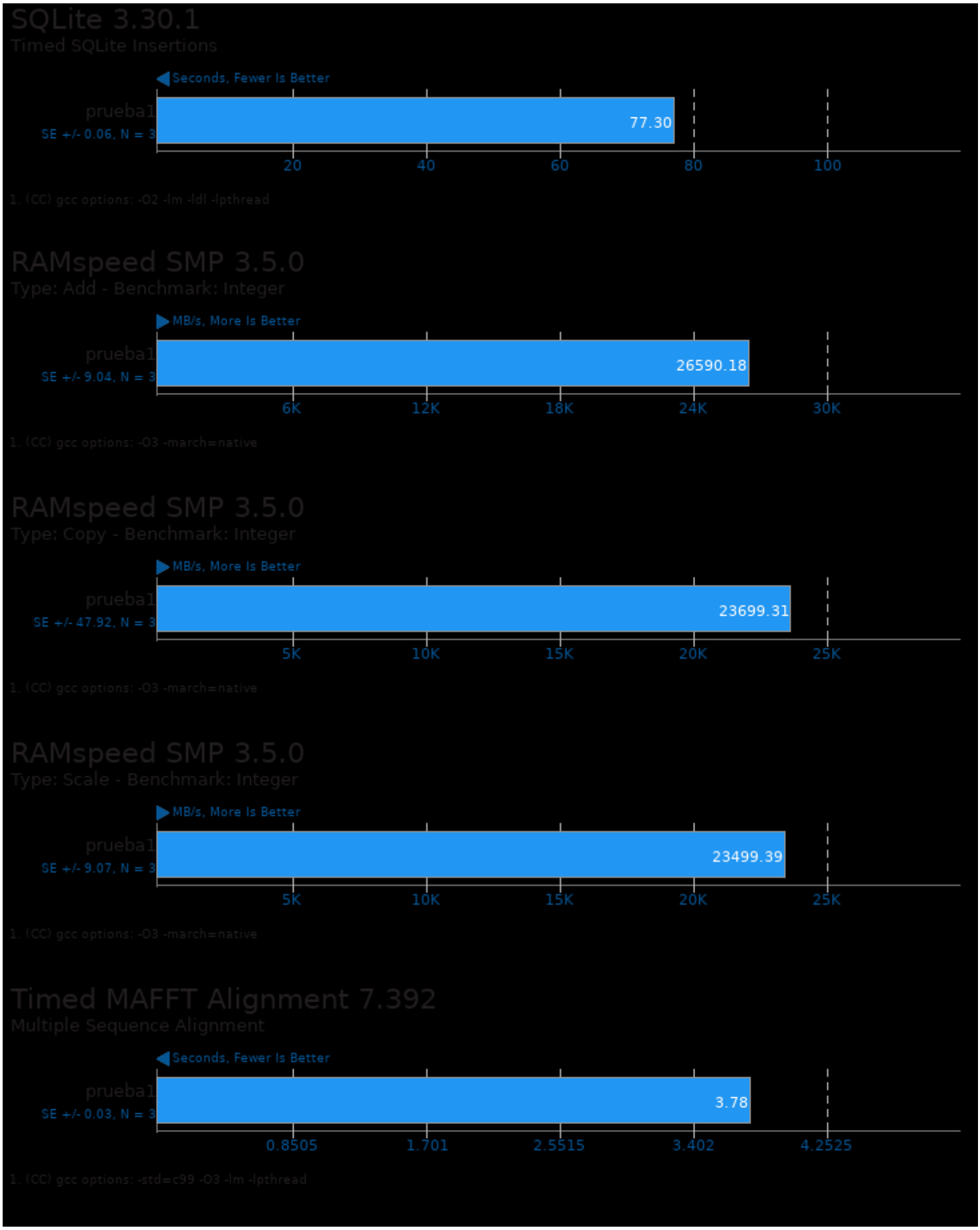
OS: Ubuntu 18.04, Kernel: 4.15.0-101-generic (x86_64), Display Server: X Server ro, File-System: ext4, Screen Resolution: 1366x768

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v

y

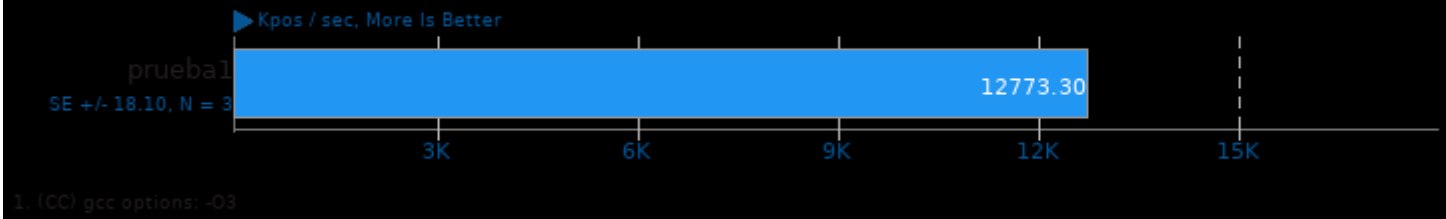
Disk Notes: CFQ / data=ordered,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: CFQ.

	prueba1
SQLite - T.S.I (sec)	77.30
Standard Deviation	0.1%
RAMspeed SMP - Add - Integer (MB/s)	26590
Standard Deviation	0.1%
RAMspeed SMP - Copy - Integer (MB/s)	23699
Standard Deviation	0.4%
RAMspeed SMP - Scale - Integer (MB/s)	23499
Standard Deviation	0.1%
Timed MAFFT Alignment - M.S.A (sec)	3.78
Standard Deviation	1.6%
Fhourstones - C.C.4.S (Kpos / sec)	12773
Standard Deviation	0.2%
BYTE Unix Benchmark - C.D.2 (LPS)	34991494
Standard Deviation	2.3%
BYTE Unix Benchmark - C.I.A (LPS)	1
Standard Deviation	0%
CacheBench - R.M.W (MB/s)	30266
Standard Deviation	0.1%
SciMark - C.F.F.T (Mflops)	208.61
Standard Deviation	1.5%
TSCP - A.C.P (Nodes/s)	1299007
Standard Deviation	0.2%
Himeno Benchmark - P.P.S (MFLOPS)	3376
Standard Deviation	3.2%
7-Zip Compression - C.S.T (MIPS)	23109
Standard Deviation	5.2%
C-Ray - Total Time - 4.1.R.P.P (sec)	136.69
Standard Deviation	0.2%
dcraw - R.T.P.I.C (sec)	41.99
Standard Deviation	0.5%
FLAC Audio Encoding - WAV To FLAC (sec)	9.67
Standard Deviation	1.8%
LAME MP3 Encoding - WAV To MP3 (sec)	29.92
Standard Deviation	0.2%
eSpeak Speech Engine - T.T.S.S (sec)	31.66
Standard Deviation	4.7%
N-Queens - Elapsed Time (sec)	36.62
Standard Deviation	1.4%
Tachyon - Total Time (sec)	208.03
Standard Deviation	1.3%
OpenSSL - R.4.b.P (Signs/sec)	1456
Standard Deviation	0.5%


SQLite 3.30.1
Timed SQLite Insertions
Seconds, Fewer Is Better
prueba1
SE +/- 0.06, N = 3
77.30
20
40
60
80
100
1. (CC) gcc options: -O2 -lm -ldl -lpthread
RAMspeed SMP 3.5.0
Type: Add - Benchmark: Integer
MB/s, More Is Better
prueba1
SE +/- 9.04, N = 3
26590.18
6K
12K
18K
24K
30K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer
MB/s, More Is Better
prueba1
SE +/- 47.92, N = 3
23699.31
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Scale - Benchmark: Integer
MB/s, More Is Better
prueba1
SE +/- 9.07, N = 3
23499.39
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native
Timed MAFFT Alignment 7.392
Multiple Sequence Alignment
Seconds, Fewer Is Better
prueba1
SE +/- 0.03, N = 3
3.78
0.8505
1.701
2.5515
3.402
4.2525
1. (CC) gcc options: -std=c99 -O3 -lm -lpthread

Fhourstones 3.1

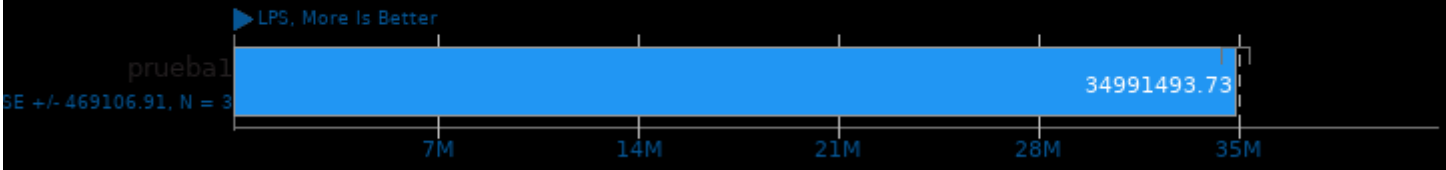
Complex Connect-4 Solving



1. (CC) gcc options: -O3

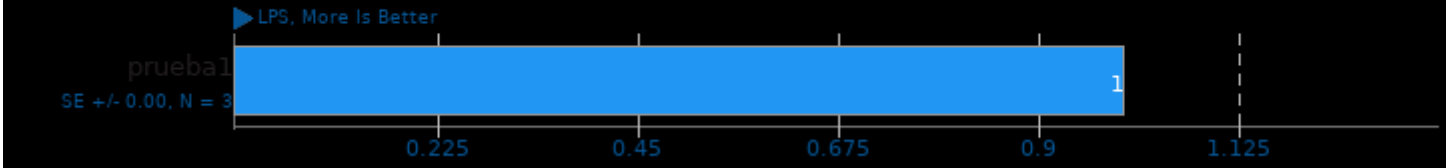
BYTE Unix Benchmark 3.6

Computational Dhrystone 2



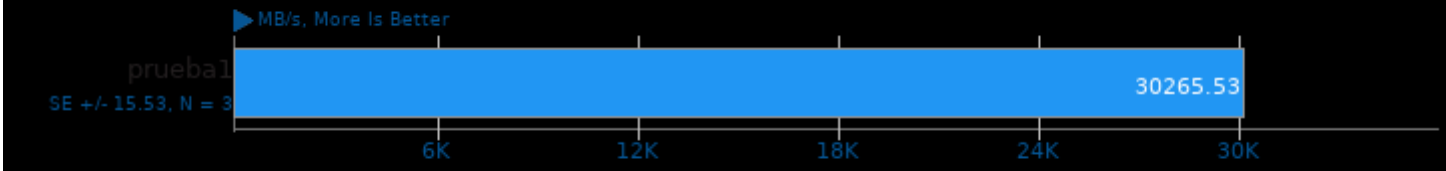
BYTE Unix Benchmark 3.6

Computational Integer Arithmetic



CacheBench

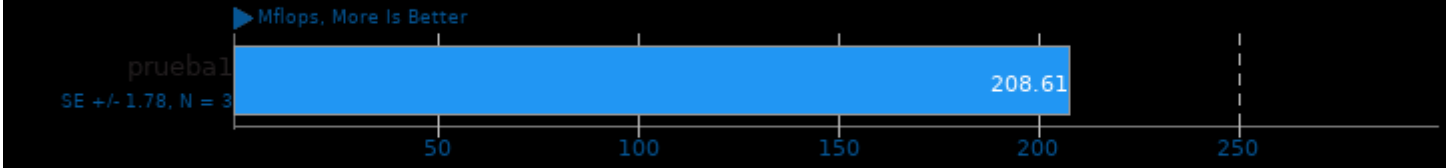
Read / Modify / Write



1. (CC) gcc options: -lrt

SciMark 2.0

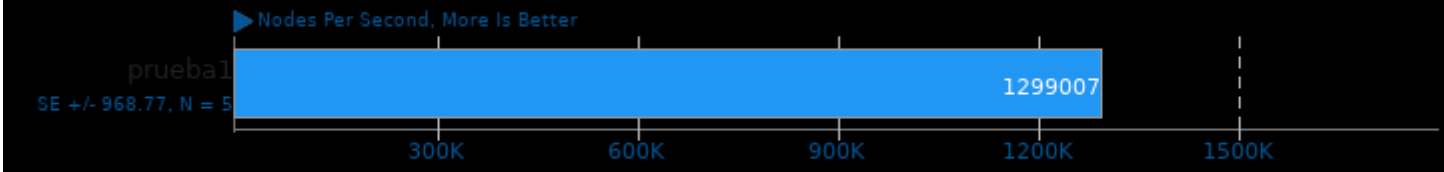
Computational Fast Fourier Transform



1. (CC) gcc options: -lm

TSCP 1.81

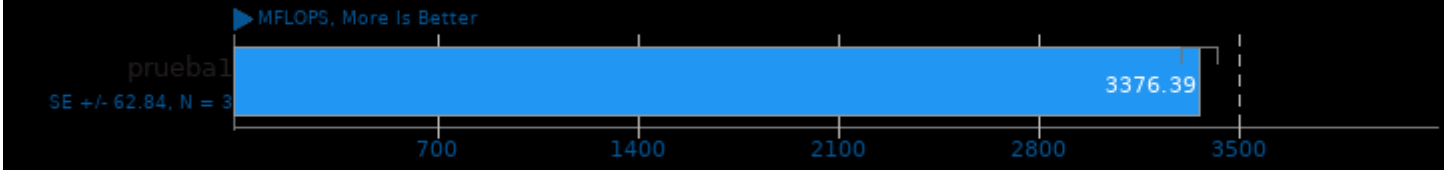
AI Chess Performance



1. (CC) gcc options: -O3 -march=native

Himeno Benchmark 3.0

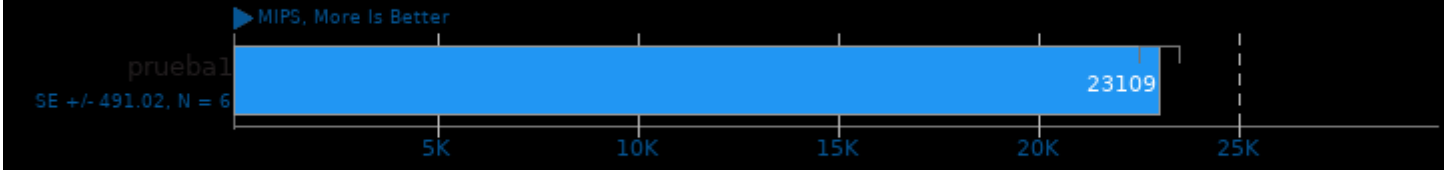
Poisson Pressure Solver



1. (CC) gcc options: -O3 -mavx2

7-Zip Compression 16.02

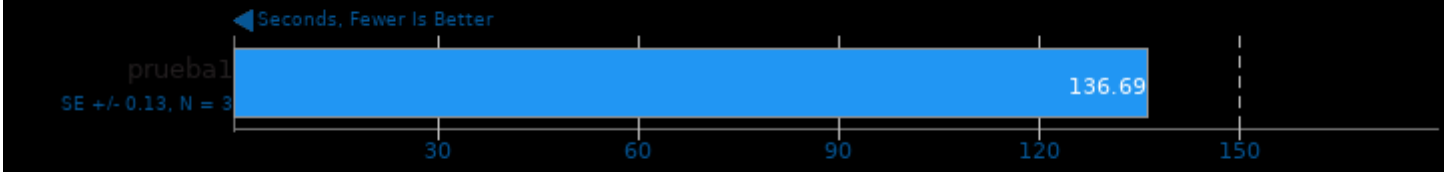
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

C-Ray 1.1

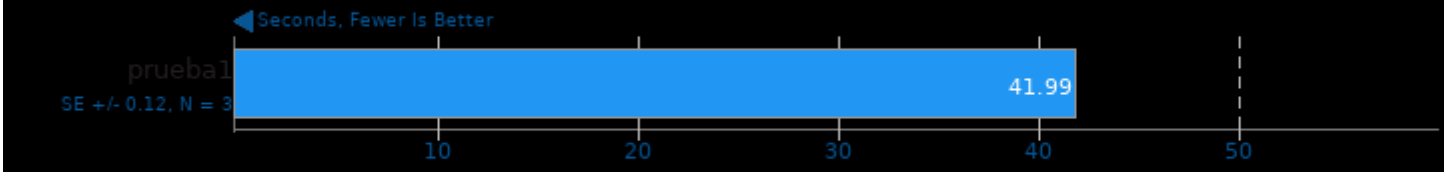
Total Time - 4K, 16 Rays Per Pixel



1. (CC) gcc options: -lm -lpthread -O3

dcraw

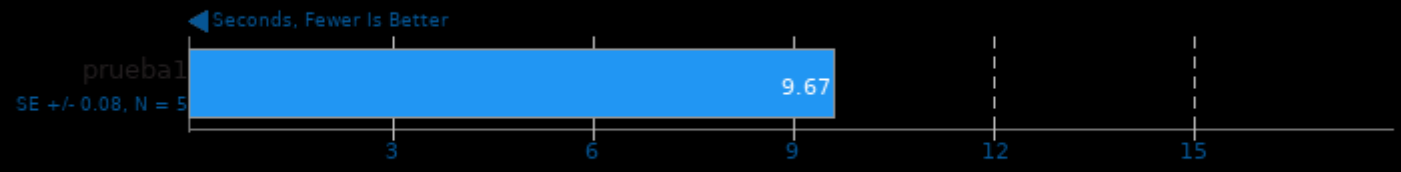
RAW To PPM Image Conversion



1. (CC) gcc options: -lm

FLAC Audio Encoding 1.3.2

WAV To FLAC



1. (CXX) g++ options: -O2 -fvisibility=hidden -lm

LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -lm

eSpeak Speech Engine 1.48.04

Text-To-Speech Synthesis



1. (CXX) g++ options: -lstdc++ -lespeak -O2 -fpic -fvisibility=hidden -pedantic -fno-exceptions

N-Queens 1.0

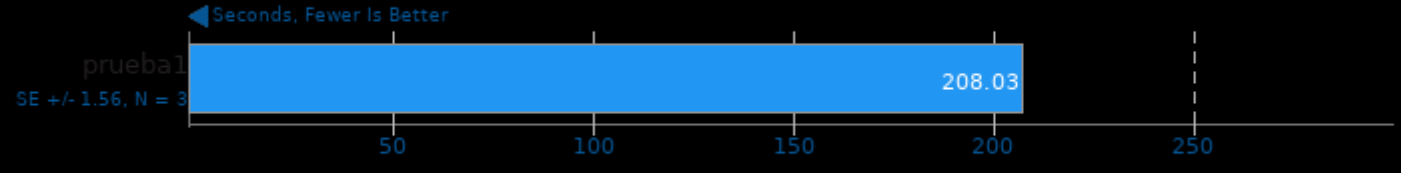
Elapsed Time



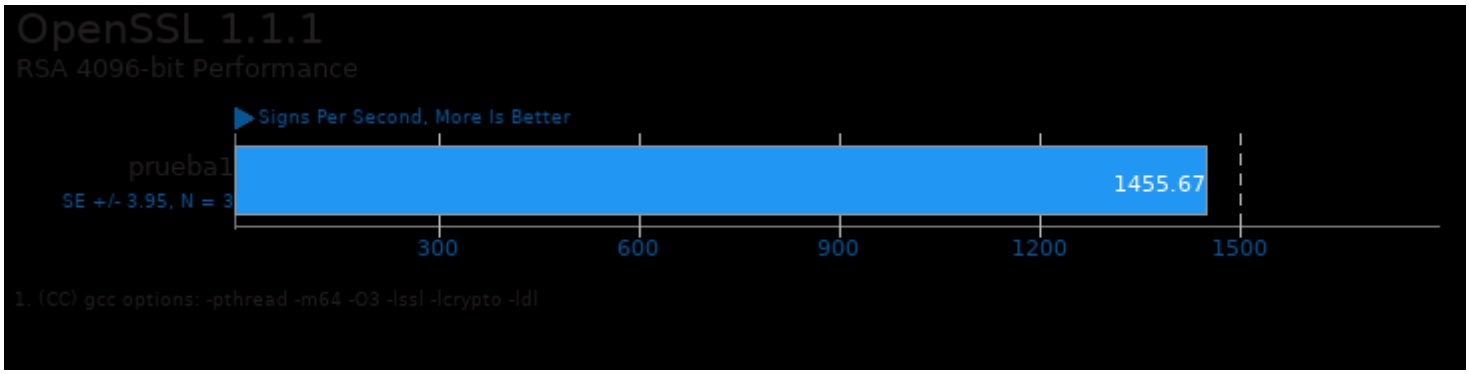
1. (CC) gcc options: -static -fopenmp -O3 -march=native

Tachyon 0.99b6

Total Time



1. (CC) gcc options: -m64 -O3 -fomit-frame-pointer -ffast-math -ltachyon -lm -lpthread



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