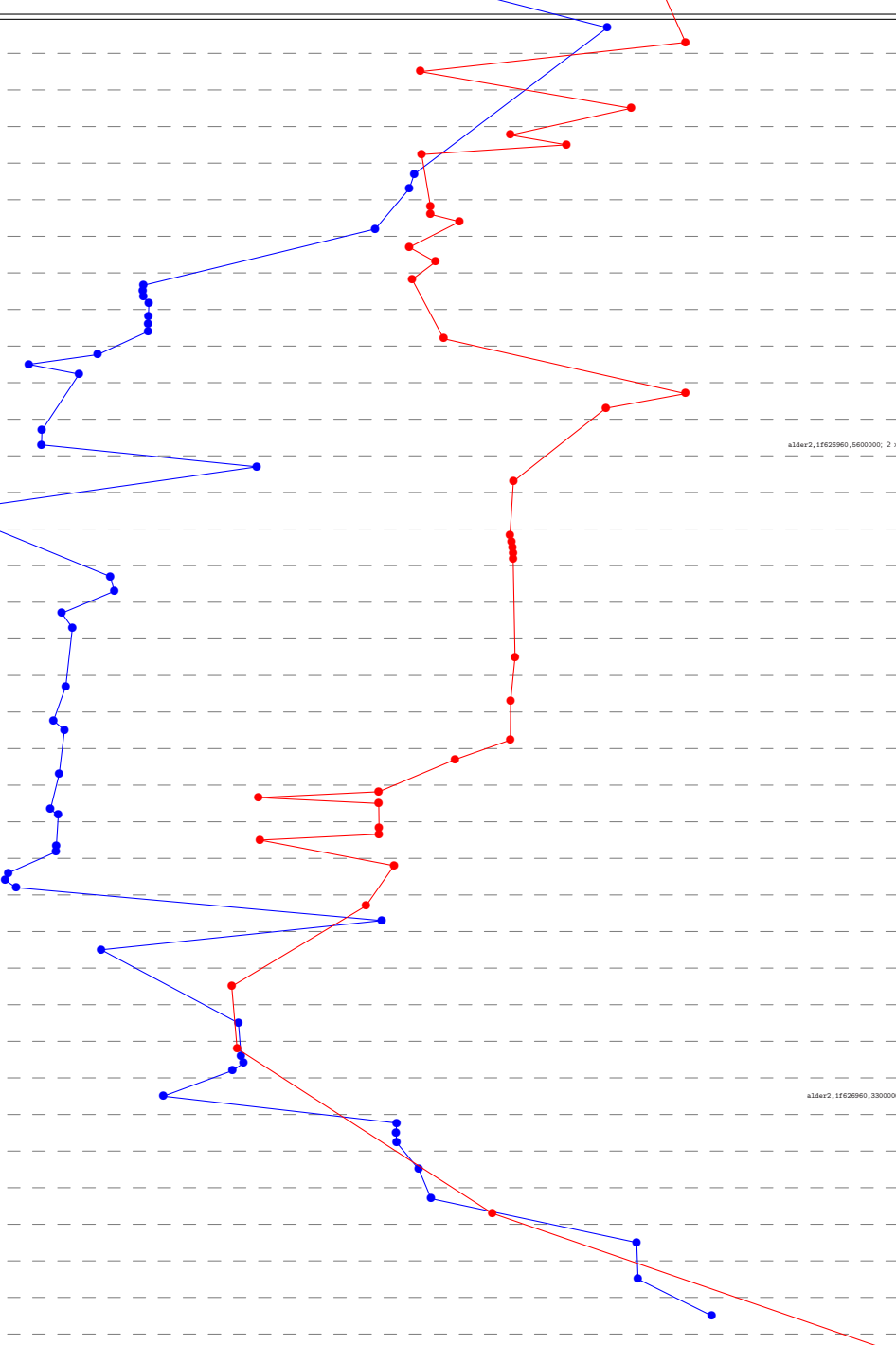


crypto_stream
trivium
implementations
amd64 Bobcat
amd64 K8
amd64 K10 65nm
amd64 K10 45nm
amd64 K10 32nm
amd64 Bulldozer
amd64 Piledriver
amd64 Zen
amd64 Zen 2
amd64 Zen 3
amd64 Knights Landing
amd64 Golden Cove
amd64 Cascade Lake
amd64 Tiger Lake
amd64 Skylake+512x2
amd64 Ice Lake
amd64 Comet Lake
amd64 Cannon Lake
amd64 Coffee Lake
amd64 Kaby Lake
amd64 Skylake
amd64 Broadwell+AES
amd64 Haswell+AES
amd64 Ivy Bridge+AES
amd64 Sandy Bridge+AES
amd64 Sandy Bridge
amd64 Westmere
amd64 Core 2 45nm
amd64 Core 2 65nm
amd64 Gracemont
amd64 Tremont
amd64 Goldmont Plus
amd64 Goldmont
amd64 Airmont
amd64 Silvermont
amd64 Bonnell
ppc32 G3
riscv64 U54
mips32 Octeon II
armeabi Armada
armeabi Cortex-A7
armeabi Cortex-A8
armeabi Cortex-A9+NEON
armeabi Cortex-A15
aarch64 X-Gene
aarch64 Cortex-A53
aarch64 Cortex-A53+crypto
aarch64 Cortex-A57+crypto
aarch64 Cortex-A72
aarch64 Cortex-A72+crypto
aarch64 ThunderX2
Time

T:e/submissions/trivium

?:e/submissions/trivium

https://bench.cr.y.p.to
20230702



Processor Model	Configuration	SuperCop-20230630	SuperCop-20220618	SuperCop-20171218
bobcat	2 x 1650MHz; 2011 AMD G-T56n; amd64; Bobcat (500F10);	supercop-20230630		
m4650	2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20);	supercop-20230630		
naxc	2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40fb2);	supercop-20171016		
gc16	8 x 2194MHz; 2008 AMD Opteron 8354; amd64; K10 65nm (100F23);	supercop-20171218		
hydra3	6 x 3300MHz; 2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100F40);	supercop-20171218		
sonnigstar	4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100F42);	supercop-20170904		
hdawc	1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100F63);	supercop-20171016		
hydra4	4 x 2600MHz; 2011 AMD A6-3650; amd64; K10 32nm (300F10);	supercop-20230630		
hydra5	4 x 2900MHz; 2011 AMD A8-3850; amd64; K10 32nm (300F10);	supercop-20230630		
bobcat	4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20);	supercop-20171218		
calista	4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20);	supercop-20171218		
hydra4	4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600P12);	supercop-20171218		
hawer15k	4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20);	supercop-20230630		
hydra9	2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F01);	supercop-20171218		
hptriaty	2 x 2000MHz; 2012 AMD A10-4655M; amd64; Piledriver (610F01);	supercop-20200618		
zebra	8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11);	supercop-20170825		
zebra	8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11);	supercop-20221232		
rubus4	4 x 3100MHz; AV10 AMD Ryzen 3 1000G; amd64; Zen (800H11);	supercop-20221232		
dali	2 x 3100MHz; AV10 AMD Ryzen 3 1000G; amd64; Zen (800H11);	supercop-20221232		
rozeo	64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10);	supercop-20230630		
rozeo	64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10);	supercop-20230630		
lactemus	4 x 2600MHz; 2021 AMD Ryzen 9 5900X; amd64; Zen 3 (a50F01);	supercop-20230630		
gaj1346	64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10);	supercop-20191017		
beeline	6 x 4024MHz; 2021 AMD Ryzen 5 5600G; amd64; Zen 3 (a50F00);	supercop-20211221		
sanb	16 x 3400MHz; 2020 AMD Ryzen 9 5900X; amd64; Zen 3 (a50F10);	supercop-20220113		
cezanne	6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (a50F00);	supercop-20230630		
gaj1291	68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (50671);	supercop-20180818		
gaj1154	64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (50671);	supercop-20170228		
alder	4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (90673-00);	supercop-20230630		
alder2	1f62690,5600000; 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40);	supercop-20230630		
avx512math	18 x 3000MHz; 2019 Intel Core i9-10980XE; amd64; Cascade Lake (50657);	supercop-20210126		
panor	20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (50657);	supercop-20191017		
panther	4 x 2800MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1);	supercop-20230630		
nany1024	18 x 2700MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (70604);	supercop-20170804		
nany1024	18 x 2700MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (70604);	supercop-20211121		
gaj1348	50 x 2400MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (70604);	supercop-20230630		
gaj1348	50 x 2400MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (70604);	supercop-20230630		
icelake2	4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5);	supercop-20221005		
icelake	4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5);	supercop-20200626		
cubis10	2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec);	supercop-20230630		
cowat	2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec);	supercop-20230630		
cannon	2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; Cannon Lake (90663);	supercop-20190910		
r3000	4 x 3300MHz; 2018 Intel Xeon E-2134; amd64; Coffee Lake (906e4);	supercop-20230630		
nitrisia	6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906e4);	supercop-20190910		
kizamba	4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9);	supercop-20230630		
shoufara	2 x 2400MHz; 2017 Intel Core i3-7100; amd64; Kaby Lake (906e9);	supercop-20211221		
intalauris1	4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; Kaby Lake (906e9);	supercop-20191017		
saab	2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506e3);	supercop-20171218		
saaba	4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506e3);	supercop-20230630		
gaj1441	28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f1);	supercop-20180818		
gaj1441	28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f1);	supercop-20170228		
gaj1441	28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f1);	supercop-20230630		
bolser	8 x 1700MHz; 2015 Intel Core i3-5005G1; amd64; Broadwell+AES (506e4);	supercop-20230630		
bolser	8 x 1700MHz; 2015 Intel Core i3-5005G1; amd64; Broadwell+AES (506e4);	supercop-20230630		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20191017		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20230630		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20230630		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20230630		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20230630		
gaj1465	20 x 2000MHz; 2014 Intel Xeon E5-2650 v3; amd64; Haswell+AES (306e2);	supercop-20230630		
nanyv13	12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (306e4);	supercop-20180818		
nanyv13	12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (306e4);	supercop-20230630		
hydra6	4 x 3500MHz; 2012 Intel Xeon E3-1275 V2; amd64; Ivy Bridge+AES (306e9);	supercop-20230630		
bedera	4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; Ivy Bridge+AES (306e9);	supercop-20210326		
robis281	8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (206d7);	supercop-20170228		
hydra7	4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (206a7);	supercop-20230630		
h6saandy	2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7);	supercop-20211122		
g1ysw	2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652);	supercop-20171016		
voifdalc	2 x 3060MHz; 2009 Intel Core 2 Duo E7600; amd64; Core 2 45nm (1067a);	supercop-20230630		
katana	2 x 2137MHz; 2006 Intel Core 2 Duo E6400; amd64; Core 2 65nm (6f6);	supercop-20171016		
tridant	2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (6f6);	supercop-20230630		
nargat	4 x 2404MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6);	supercop-20230630		
lalour	4 x 2394MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6);	supercop-20201130		
alder2	1f62690,3300000; 4 x 1600MHz; 2022 Intel Core i3-1215U efficiency cores; amd64; Gracemont (906A4-20);	supercop-20230630		
jasper2	2 x 1100MHz; 2021 Intel Celeron N4500; amd64; Tremont (906c0);	supercop-20230630		
jasper3	4 x 2000MHz; 2021 Intel Celeron N5105; amd64; Tremont (906c0);	supercop-20230630		
jasper	4 x 1100MHz; 2021 Intel Pentium Silver N6000; amd64; Tremont (906c0);	supercop-20230630		
genisi	2 x 1100MHz; 2019 Intel Celeron N4020; amd64; Goldmont Plus (706a8);	supercop-20230630		
wooden	4 x 1500MHz; 2016 Intel Celeron J3455; amd64; Goldmont (506c9);	supercop-20230630		
sov1M8h1	16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1);	supercop-20191017		
muccm	4 x 1600MHz; 2015 Intel Pentium N3700; amd64; Airmont (406c3);	supercop-20230630		
cherry	4 x 1440MHz; 2016 Intel Atom i5-Z8350; amd64; Silvermont (406c4);	supercop-20230630		
hbaton	2 x 1866MHz; 2011 Intel Atom D2500; amd64; Bonnell (306f1);	supercop-20230630		
alntendosilllaurang	1 x 729MHz; 2006 IBM PowerPC Broadway; ppc32; G3 (G3);	supercop-20191221		
hifiveunleashedriscv	4 x 1400MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc);	supercop-20191221		
riscvunleashed000	4 x 1000MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc);	supercop-20210326		
gcc23	2 x 2000MHz; 2011 Cavium Octeon II CN6120; mips32; Octeon II (cmnips64v2);	supercop-20230630		
expf0afz72	2 x 2000MHz; 2011 Cavium Octeon II CN6120; mips32; Octeon II (cmnips64v2);	supercop-20220113		
teside	1 x 1200MHz; 2010 Marvell Armada 310; armeabi; Armada (562f311);	supercop-20170718		
berry2	4 x 900MHz; 2016 Broadcom BCM2836; armeabi; Cortex-A7 (410fc075);	supercop-20230630		
black	1 x 1000MHz; 2012 TI Sitara XAM3359AZC12100; armeabi; Cortex-A8 (413fc082);	supercop-20230630		
noventblue	4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a);	supercop-20200702		
artix	4 x 1200MHz; 2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413fc090);	supercop-20191221		
noventblue4	4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a);	supercop-20191221		
jtsosst1	4 x 2065MHz; 2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3);	supercop-20170728		
gcc16	8 x 1600MHz; 2014 APM 88320B-X1; aarch64; X-Gene (500F000);	supercop-20171218		
pi3hplus	4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410fc034);	supercop-20230630		
pi3hplus	4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410fc034);	supercop-20211122		
leeds	4 x 1500MHz; 2015 ARMv8-A; aarch64; Cortex-A53+crypto (410fc034);	supercop-20170718		
leeds	4 x 1500MHz; 2015 ARMv8-A; aarch64; Cortex-A53+crypto (410fc034);	supercop-20230630		
goglacraslav	4 x 1500MHz; 2015 NXP i.MX 8M; aarch64; Cortex-A53+crypto (410fc034);	supercop-20191221		
reegadelc000000	4 x 1820MHz; 2017 Rockchip RK3288; aarch64; Cortex-A53+crypto (410fc034);	supercop-20191221		
jtsosst1	4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; Cortex-A57+crypto (418f071);	supercop-20191017		
warbear	8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; Cortex-A57+crypto (411f0072);	supercop-20200626		
pi4h	4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083);	supercop-20211122		
rp16banu64	4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083);	supercop-20191221		
a72	2 x 2100MHz; 2015 Mediatek MT8173; aarch64; Cortex-A72+crypto (418f080);	supercop-20190904		
pmo4145	64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1);	supercop-20191017		

4096

8192

16384