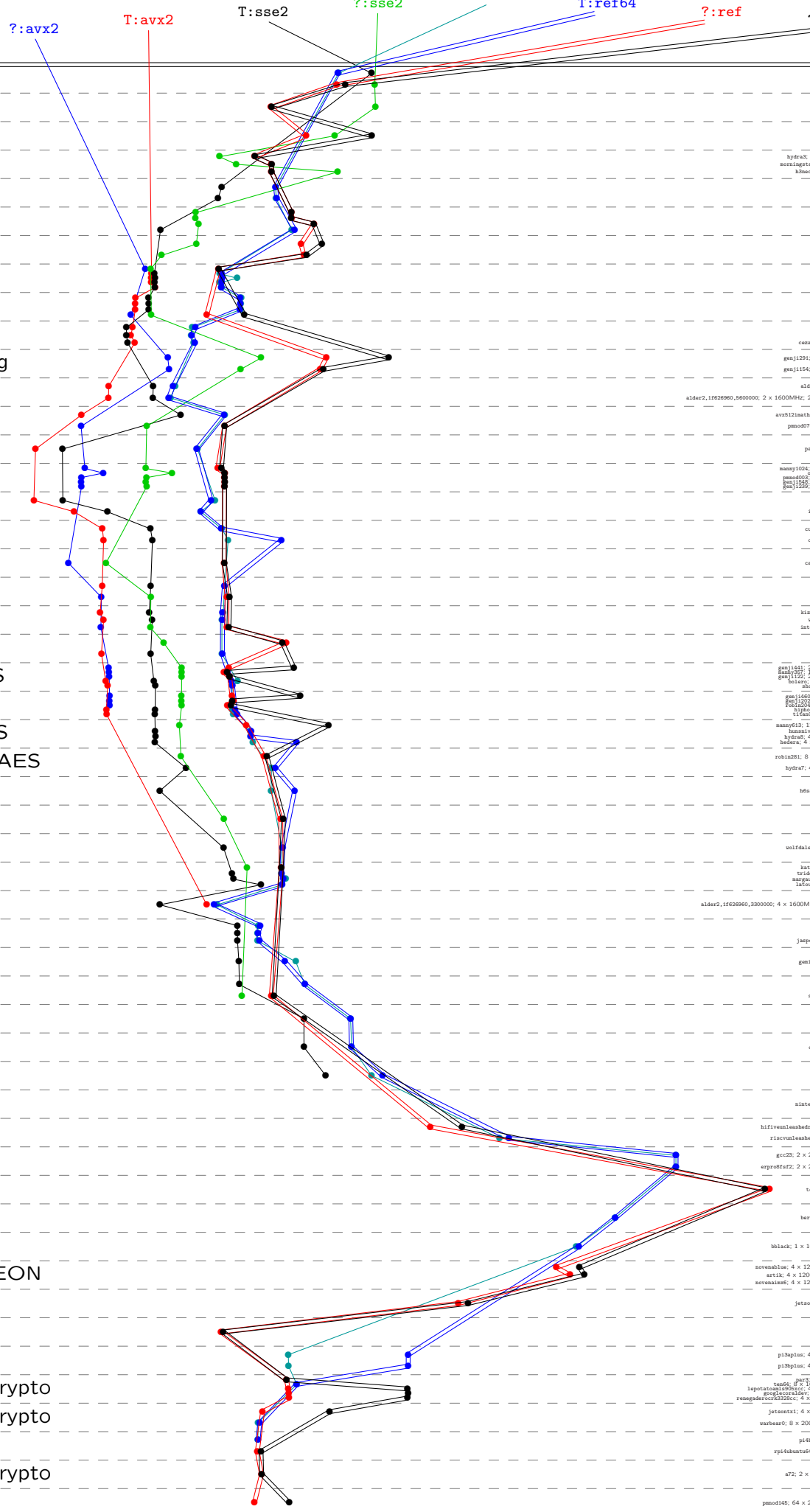


crypto_aead
 morus1280128v1
 implementations
 amd64 Bobcat
 amd64 K8
 amd64 K10 65nm
 amd64 K10 45nm
 amd64 K10 32nm
 amd64 Bulldozer
 amd64 Piledriver
 amd64 Zen
 amd64 Zen 2
 amd64 Zen 3
 amd64 Knights Landing
 amd64 Golden Cove
 amd64 Cascade Lake
 amd64 Tiger Lake
 amd64 Skylake+512x2
 amd64 Ice 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
 mipso32 Oocteon II
 armeabi Armada
 armeabi Cortex-A7
 armeabi Cortex-A8
 armeabi Cortex-A9+NEON
 armeabi Cortex-A15
 aarch64 X-Gen
 aarch64 Cortex-A53
 aarch64 Cortex-A53+crypto
 aarch64 Cortex-A57+crypto
 aarch64 Cortex-A72
 aarch64 Cortex-A72+crypto
 aarch64 ThunderX2
 Time



https://bench.cr.yp.to
 20230702

bBobcat: 2 x 1650MHz; 2011 AMD G-T56n; amd64; Bobcat (500F10); supercup-20230630
 h4450: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20); supercup-20230618

haca: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40f2); supercup-201710105

gcc16: 8 x 2194MHz; 2008 AMD Opteron 8354; amd64; K10 65nm (100f23); supercup-20171218

hydra3: 6 x 3300MHz; 2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100f40); supercup-20171218
 somnigstar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100f42); supercup-20170904
 h3aw: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100f63); supercup-20171218

hydra4: 4 x 2600MHz; 2011 AMD A6-3650; amd64; K10 32nm (300f10); supercup-20230630
 hydra5: 4 x 2900MHz; 2011 AMD A8-3850; amd64; K10 32nm (300f10); supercup-20230630

bobcat: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercup-20171218
 calvin: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercup-20171218
 hydra4: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600F12); supercup-20171218
 sawer216: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercup-20230630

hydra9: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F11); supercup-20171218
 piledriver: 2 x 2000MHz; 2012 AMD A10-6650M; amd64; Piledriver (610F11); supercup-20200818

ryzen8: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercup-20170805
 ryzen8: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercup-20211222
 ryzen8: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercup-20211222
 ryzen8: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercup-20211222
 dall: 2 x 3000MHz; 2017 AMD Ryzen 3 3000; amd64; Zen (800H11); supercup-20211222

ryzen6: 6 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercup-20230630
 ryzen6: 6 x 3000MHz; 2022 AMD Ryzen 5 4500U; amd64; Zen 2 (860H01); supercup-20230630
 lacienne: 4 x 2600MHz; 2021 AMD Ryzen 3 3300U; amd64; Zen 2 (830F11); supercup-20211222
 gwj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercup-20191017

bealix: 6 x 4062MHz; 2021 AMD Ryzen 5 5560U; amd64; Zen 3 (a50F00); supercup-20211222
 sand: 16 x 3400MHz; 2020 AMD Ryzen 9 5950X; amd64; Zen 3 (a20F10); supercup-20211222
 cesame: 6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (a50F00); supercup-20230630

gwj1291: 68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (50671); supercup-20180818
 gwj1154: 64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (50671); supercup-20170228

alder: 4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (90673-00); supercup-20230630
 alder2:1f2e2960,5600000; 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40); supercup-20230630

avx512max: 18 x 3000MHz; 2019 Intel Core i9-10980XE; amd64; Cascade Lake (50657); supercup-20210126
 jemo476: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (50657); supercup-20191017

panther: 4 x 2800MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercup-20230630

sanjay1024: 18 x 2100MHz; 2017 Intel Xeon Core i7-9150U; amd64; Skylake-E (906A1); supercup-20170824
 sanjay1024: 18 x 2100MHz; 2017 Intel Xeon Core i7-9150U; amd64; Skylake-E (906A1); supercup-20171218
 sanjay1024: 18 x 2100MHz; 2017 Intel Xeon Core i7-9150U; amd64; Skylake-E (906A1); supercup-20211222
 gwj1258: 20 x 2100MHz; 2017 Intel Xeon Gold 6148; amd64; Skylake-E (906A1); supercup-20191017
 gwj1258: 20 x 2100MHz; 2017 Intel Xeon Gold 6148; amd64; Skylake-E (906A1); supercup-20211222

icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5); supercup-20221005
 icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5); supercup-20200426

cus10: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercup-20230630
 coast: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercup-20230630

cannon: 2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; Cannon Lake (90663); supercup-20190910

r4000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a); supercup-20230630
 n13v16: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906a); supercup-20190910

kabylake: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9); supercup-20230630
 shoushara: 2 x 2400MHz; 2017 Intel Core i3-7100; amd64; Kaby Lake (906e9); supercup-20211222
 instalauc1: 4 x 3100MHz; 2018 Intel Core i7-8089G; amd64; Kaby Lake (906e9); supercup-20191017

saad: 2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506e3); supercup-20171218
 saaba: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506e3); supercup-20230630

gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20180818
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20170228
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222

gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20191017
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222
 gwj1144: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercup-20211222

sanjay613: 12 x 2700MHz; 2013 Intel Core E5-2697 v2; amd64; Ivy Bridge+AES (306e4); supercup-20180818
 sanjay613: 12 x 2700MHz; 2013 Intel Core E5-2697 v2; amd64; Ivy Bridge+AES (306e4); supercup-20230630
 hydra6: 4 x 3500MHz; 2012 Intel Xeon E3-1275 V2; amd64; Ivy Bridge+AES (306e4); supercup-20230630
 bedera: 4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; Ivy Bridge+AES (306e4); supercup-20210326

robia281: 8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (206d7); supercup-20170228
 hydra7: 4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (206a7); supercup-20230630

h6sandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7); supercup-20221122

glysw: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercup-20171016

voifdale: 2 x 3060MHz; 2009 Intel Core 2 Duo E7600; amd64; Core 2 45nm (1067a); supercup-20230630

katana: 2 x 2137MHz; 2006 Intel Core 2 Duo E6400; amd64; Core 2 65nm (6f6); supercup-20171016
 trsdant: 2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (6f6); supercup-20230630
 aargad: 4 x 2604MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6); supercup-20230630
 lafour: 4 x 2394MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6); supercup-20201130

alder2:1f2e2960,3300000; 4 x 1600MHz; 2022 Intel Core i3-1215U efficiency cores; amd64; Gracemont (906A4-20); supercup-20230630

jasper2: 2 x 1100MHz; 2021 Intel Celeron N4500; amd64; Tremont (906c0); supercup-20230630
 jasper3: 4 x 2000MHz; 2021 Intel Celeron N5105; amd64; Tremont (906c0); supercup-20230630
 jasper: 4 x 1100MHz; 2021 Intel Pentium Silver N6000; amd64; Tremont (906c0); supercup-20230630

gemini: 2 x 1100MHz; 2019 Intel Celeron N4020; amd64; Goldmont Plus (706a8); supercup-20230630

wooden: 4 x 1500MHz; 2016 Intel Celeron J3455; amd64; Goldmont (506c9); supercup-20230630
 sov1M3h1: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercup-20191017

mccmc: 4 x 1600MHz; 2015 Intel Pentium N3700; amd64; Airmont (406c3); supercup-20230630

cherry: 4 x 1440MHz; 2016 Intel Atom i5-Z8350; amd64; Silvermont (406a4); supercup-20230630

h8ato: 2 x 1866MHz; 2011 Intel Atom D2500; amd64; Bonnell (306f1); supercup-20230630

alntendosilluaxng: 1 x 720MHz; 2006 IBM PowerPC Broadway; ppc32; G3 (03); supercup-20191221

hifiveunleashedriscv: 4 x 1400MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercup-20191221
 riscvunleashed000: 4 x 1000MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercup-20210326

gcc23: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mipso32; Octeon II (cmnips64v2); supercup-20230630
 erpf0afz2: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mipso32; Octeon II (cmnips64v2); supercup-20220213

teside: 1 x 1200MHz; 2010 Marvell Armada 310; armeabi; Armada (562f311); supercup-20170718

berry2: 4 x 900MHz; 2016 Broadcom BCM2836; armeabi; Cortex-A7 (410f075); supercup-20230630

black: 1 x 1000MHz; 2012 TI Sitara XAM3359AZC12100; armeabi; Cortex-A8 (413fc082); supercup-20230630

november4: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercup-20200702
 artix: 4 x 1200MHz; 2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413f09d); supercup-20191221
 november4: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercup-20191221

jetsonati: 4 x 2065MHz; 2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3); supercup-20170728

gcc16: 8 x 1600MHz; 2014 APM 88320B-X1; aarch64; X-Gen (500F000); supercup-20171218

pi3bplus: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f034); supercup-20230630
 pi3bplus: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f034); supercup-20221122

leuf: 4 x 1500MHz; 2015 ARMv8-A Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercup-20170728
 leptostomatid6: 4 x 1500MHz; 2015 ARMv8-A Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercup-20191221
 gogolacraslav: 4 x 1500MHz; 2015 NXP i.MX 8M; aarch64; Cortex-A53+crypto (410f034); supercup-20191221
 renegeadec6300c: 4 x 1812MHz; 2017 Rockchip RK3288; aarch64; Cortex-A53+crypto (410f034); supercup-20211222

jetsonati: 4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; Cortex-A57+crypto (418f071); supercup-20191017

warbear: 8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; Cortex-A57+crypto (411f072); supercup-20200626

pi4b: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercup-20221122
 rpi4bunleashed: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercup-20191221

a7: 2 x 2100MHz; 2015 Mediatek MT8173; aarch64; Cortex-A72+crypto (418f080); supercup-20170904

jetsonati: 64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1); supercup-20191017

4096 16384 65536 262144