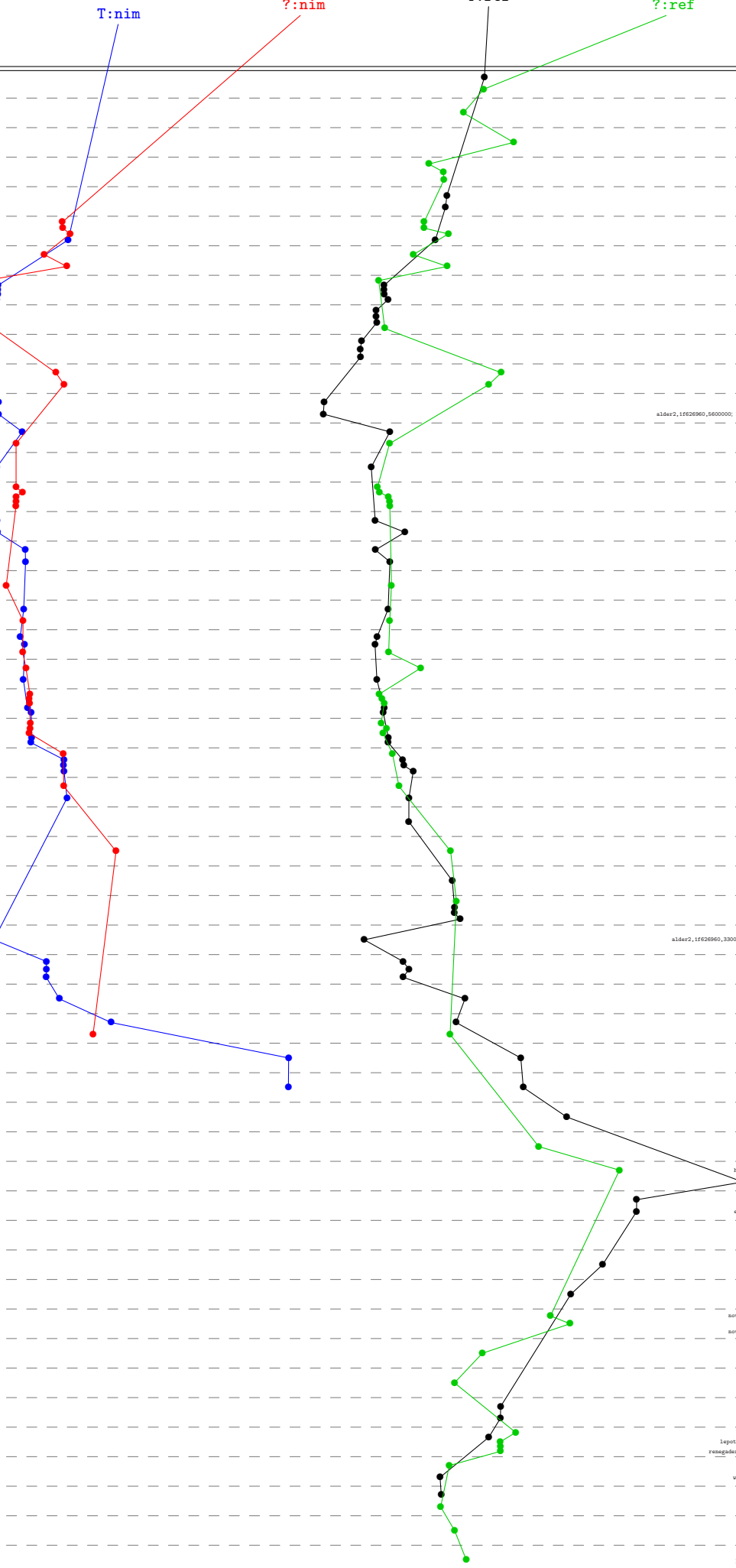


crypto\_aead  
 tiaoxinv2  
 implementations  
 amd64 Bobcat  
 amd64 K8  
 amd64 K10 65nm  
 amd64 K10 45nm  
 amd64 K10 32nm  
 amd64 Bulldozer  
 amd64 Piledriver  
 amd64 Zen  
 amd64 Zen 2  
 amd64 Zen 3  
 amd64 Knights Landing  
 amd64 Golden Cove  
 amd64 Cascade Lake  
 amd64 Tiger Lake  
 amd64 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 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



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

hBobcat: 2 x 1650MHz; 2011 AMD G-T56N; amd64; Bobcat (600F10); supercop-20230630  
 h4450: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (600F20); supercop-20230618

nac: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40f2); supercop-20171015

gcc16: 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  
 sonniagar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100F42); supercop-20170904  
 hbaev: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100F63); supercop-20171015

hydra4: 4 x 2900MHz; 2011 AMD A6-3850; amd64; K10 32nm (300F10); supercop-20230630

bobbae: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20); supercop-20171218  
 calvin: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20); supercop-20171218  
 hydra5: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600P12); supercop-20171218  
 sawer216: 4 x 4000MHz; 2012 AMD FX-8360; amd64; Bulldozer (600P20); supercop-20230630

hydra9: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F01); supercop-20171218

hprairy: 2 x 2000MHz; 2012 AMD A10-6650M; amd64; Piledriver (610F01); supercop-20230618

zebra: 8 x 3000MHz; 2017 AMD Ryzen 3 1700; amd64; Zen (800H11); supercop-20170855  
 rhaba: 8 x 3000MHz; 2017 AMD Ryzen 3 1700; amd64; Zen (800H11); supercop-20211222  
 rhaba3: 4 x 3100MHz; AMD Ryzen 3 3300; amd64; Zen (800H11); supercop-20211222  
 dal: 2 x 2400MHz; 2017 AMD Athlon Silver E3000; amd64; Zen (800H11); supercop-20211222

romo: 64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercop-20230630  
 rozer: 6 x 3000MHz; 2022 AMD Ryzen 5 4500U; amd64; Zen 2 (860H01); supercop-20230630  
 lucasene: 4 x 2000MHz; 2021 AMD Ryzen 3 3300U; amd64; Zen 3 (820F10); supercop-20230630  
 gwj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercop-20191017

bealina: 6 x 4062MHz; 2021 AMD Ryzen 5 5560U; amd64; Zen 3 (a50F00); supercop-20211122  
 saah: 16 x 3400MHz; 2020 AMD Ryzen 9 5950X; amd64; Zen 3 (c20F10); supercop-20230630  
 cesame: 6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (a50F00); supercop-20230630

gwj1291: 68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (50671); supercop-20180818  
 gwj1154: 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 (90644-40); supercop-20230630

avx121ash: 18 x 3000MHz; 2019 Intel Core i9-10980X; amd64; Cascade Lake (50657); supercop-20211126  
 jpmo076: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (50657); supercop-20191017

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

sanmy1004: 18 x 2100MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake+512x2 (80641); supercop-20171015  
 sanmy1005: 8 x 2500MHz; 2017 Intel Core i7-7700; amd64; Skylake+512x2 (80641); supercop-20191123  
 gwj1258: 18 x 2400MHz; 2017 Intel Core i7-7700; amd64; Skylake+512x2 (80641); supercop-20211122  
 gwj1259: 18 x 2400MHz; 2017 Intel Core i7-7700; amd64; Skylake+512x2 (80641); supercop-20191017

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

cub10: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercop-20230630  
 coast: 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 (80663); supercop-20190910

r4000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a3); supercop-20230630

nlvisia: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906a3); supercop-20190910

kabyaa: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906a9); supercop-20230630  
 shouhara: 2 x 2400MHz; 2017 Intel Core i3-7100; amd64; Kaby Lake (906a9); supercop-20211122  
 istalucis1: 4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; Kaby Lake (906a9); supercop-20191017

saad: 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

gwj1441: 28 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercop-20180818  
 gwj1442: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercop-20170228  
 gwj1443: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercop-20211122  
 gwj1444: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercop-20230630

gwj1450: 20 x 2800MHz; 2014 Intel Xeon E5-2690 v3; amd64; Haswell+AES (306e1); supercop-20191017  
 gwj1451: 20 x 2800MHz; 2014 Intel Xeon E5-2690 v3; amd64; Haswell+AES (306e1); supercop-20211122  
 gwj1452: 20 x 2800MHz; 2014 Intel Xeon E5-2690 v3; amd64; Haswell+AES (306e1); supercop-20230630  
 gwj1453: 20 x 2800MHz; 2014 Intel Xeon E5-2690 v3; amd64; Haswell+AES (306e1); supercop-20230630

gwj1454: 20 x 2800MHz; 2014 Intel Xeon E5-2690 v3; amd64; Haswell+AES (306e1); supercop-20230630

gwj1455: 12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (306e4); supercop-20180818  
 gwj1456: 2 x 1800MHz; 2012 Intel Core i5-3427U; amd64; Ivy Bridge+AES (306e4); supercop-20230630  
 gwj1457: 4 x 3300MHz; 2012 Intel Xeon E3-1275 V2; amd64; Ivy Bridge+AES (306e4); supercop-20230630  
 gwj1458: 4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; Ivy Bridge+AES (306e4); supercop-20210326

robin281: 8 x 2000MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (206d7); supercop-20170228  
 gwj1459: 4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (206d7); supercop-20230630

hbsandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7); supercop-20211122

g15w: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercop-20171015

voirdale: 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 (606); supercop-20171015  
 trsdant: 2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (606); supercop-20230630  
 nargus: 4 x 2040MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (606); supercop-20230630  
 lafour: 4 x 2394MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (606); supercop-20201130

alder2.1f62690.3300000: 4 x 1600MHz; 2022 Intel Core i3-1215U efficiency cores; amd64; Gracemont (906a4-20); supercop-20230630

jaaper2: 2 x 1100MHz; 2021 Intel Celeron N4500; amd64; Tremont (906c0); supercop-20230630  
 jaaper1: 4 x 2000MHz; 2021 Intel Celeron N5105; amd64; Tremont (906c0); supercop-20230630  
 jaaper: 4 x 1100MHz; 2021 Intel Pentium Silver N6000; amd64; Tremont (906c0); supercop-20230630

gestis: 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

soviM8h1: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercop-20191017

miccc: 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

alntendosilluaxng: 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  
 scrvalsaah8000: 4 x 1000MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercop-20210326

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

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

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

hblack: 1 x 1000MHz; 2012 TI Sitara XAM3359AZCZ100; armeabi; Cortex-A8 (413fc082); supercop-20230630

noverblue: 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  
 noverblue2: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a); supercop-20191221

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

gcc16: 8 x 1600MHz; 2014 ARM 883208-X1; aarch64; X-Gene (500f0000); supercop-20171218

pi3hpa1: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f034); supercop-20230630  
 pi3hpa: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f034); supercop-20211122

leeds: 4 x 1500MHz; 2015 ARMv8-A Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20170728  
 leptostomatids: 4 x 1500MHz; 2015 ARMv8-A Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20191221  
 gogiacraslav: 4 x 1500MHz; 2015 NXP i.MX 8M; aarch64; Cortex-A53+crypto (410f034); supercop-20191221  
 rneagdelack330c: 4 x 1812MHz; 2011 Rockchip RK3288; aarch64; Cortex-A53+crypto (410f034); supercop-20191221

jetsonati2: 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 (411f072); supercop-20200626

pi4h: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercop-20211122  
 rpi4bun64: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercop-20191221

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

pmo4145: 64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1); supercop-20191017

2048 8192 32768 131072