

T:avx2

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T:ref

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- 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-Gen
- aarch64 Cortex-A53
- aarch64 Cortex-A53+crypto
- aarch64 Cortex-A57+crypto
- aarch64 Cortex-A72
- aarch64 Cortex-A72+crypto
- aarch64 ThunderX2

hbbocat: 2 x 1650MHz; 2011 AMD G-T56N; amd64; Bobcat (500F10); supercop-20230630  
h4450: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20); supercop-20200618  
haca: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40f2b); supercop-20170105  
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 (100fA); supercop-20171218  
sonnigar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100f42); supercop-20170904  
hbae: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100f63); supercop-20171005  
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 (600F20); supercop-20171218  
calista: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercop-20171218  
hydra4: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600F12); supercop-20171218  
saber216: 4 x 4000MHz; 2012 AMD FX-8300; amd64; Bulldozer (600F20); supercop-20230630  
hydra9: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F11); supercop-20171218  
piledriver: 2 x 2000MHz; 2012 AMD A10-6650M; amd64; Piledriver (610F11); supercop-20200618  
zen2: 8 x 3000MHz; 2017 AMD Ryzen 3 1700; amd64; Zen (800H11); supercop-20170625  
zen2: 8 x 3000MHz; 2017 AMD Ryzen 3 1700; amd64; Zen (800H11); supercop-20170625  
zen3: 4 x 3100MHz; 2019 AMD Ryzen 3 3300X; amd64; Zen 3 (800H31); supercop-20211222  
zen3: 4 x 3100MHz; 2019 AMD Ryzen 3 3300X; amd64; Zen 3 (800H31); supercop-20211222  
dal: 1 x 1800MHz; 2017 AMD Athlon 7000; amd64; Zen 2 (830F10); supercop-20191017  
zeno: 64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercop-20230630  
zeno: 64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercop-20230630  
laclenax: 4 x 2000MHz; 2021 AMD Ryzen 9 9950X; amd64; Zen 3 (a50F10); supercop-20230630  
gaj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercop-20191017  
bealina: 6 x 4062MHz; 2021 AMD Ryzen 5 5650U; amd64; Zen 3 (a50F00); supercop-20211222  
saw: 16 x 3400MHz; 2020 AMD Ryzen 9 9950X; amd64; Zen 3 (a50F10); supercop-20230630  
cezanna: 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 (506711); supercop-20180818  
gaj1154: 64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (506711); supercop-20170228  
alder: 4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (90673-00); supercop-20230630  
alder2:1f6c2960,560000: 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40); supercop-20230630  
avx512lake: 18 x 3000MHz; 2019 Intel Core i9-10980XE; amd64; Cascade Lake (50657); supercop-20210126  
peno476: 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  
sandy1024: 18 x 2100MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (50654); supercop-20191017  
panther: 8 x 2500MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercop-20230630  
gaj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercop-20191017  
gaj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercop-20191017  
icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5); supercop-20210505  
icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5); supercop-20200626  
cubio: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercop-20230630  
covax: 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  
t3000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (9066a); supercop-20230630  
l3vixie: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (9066a); supercop-20190910  
kabyana: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9); supercop-20230630  
shasthana: 2 x 2400MHz; 2021 Intel Core i3-12100; amd64; Golden Cove (90673-00); supercop-20211222  
istanbul: 4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; Kaby Lake (906e9); supercop-20191017  
sana: 2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506e3); supercop-20171218  
sana: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506e3); supercop-20230630  
gaj1154: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (30661); supercop-20180818  
sanjay: 18 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (30661); supercop-20170228  
gaj1154: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (30661); supercop-20170228  
boba: 4 x 1900MHz; 2016 Intel Xeon E3-1200 v2; amd64; Haswell+AES (30664); supercop-20230630  
boba: 4 x 1900MHz; 2016 Intel Xeon E3-1200 v2; amd64; Haswell+AES (30664); supercop-20230630  
gaj1154: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Haswell+AES (30661); supercop-20191017  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-2650 v3; amd64; Haswell+AES (30661); supercop-20230630  
sanjay: 12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (30664); supercop-20180818  
hori: 16 x 1500MHz; 2012 Intel Xeon E5-3427U; amd64; Ivy Bridge+AES (30664); supercop-20230630  
hydra8: 4 x 3500MHz; 2012 Intel Xeon E3-1275 v2; amd64; Ivy Bridge+AES (30664); supercop-20230630  
hedera: 4 x 2500MHz; 2012 Intel Xeon E3-1265L v2; amd64; Ivy Bridge+AES (30664); supercop-20210326  
robia281: 8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (20647); supercop-20170228  
hydra7: 4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (20647); supercop-20230630  
hsandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (20647); supercop-20211222  
glys: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercop-20170105  
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 (6f6); supercop-20170105  
trdsant: 2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (6f6); supercop-20230630  
nagraal: 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-20210113  
alder2:1f6c2960,330000: 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  
gemini: 2 x 1100MHz; 2019 Intel Celeron M4020; amd64; Goldmont Plus (706a8); supercop-20230630  
wooden: 4 x 1500MHz; 2016 Intel Celeron J3455; amd64; Goldmont (506c9); supercop-20230630  
soviM3h1: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercop-20191017  
mucca: 4 x 1600MHz; 2015 Intel Pentium N3700; amd64; Airmont (406c3); supercop-20230630  
cherry: 4 x 1440MHz; 2016 Intel Atom i5-28350; amd64; Silvermont (406c4); supercop-20230630  
hbaton: 2 x 1866MHz; 2011 Intel Atom D2500; amd64; Bonnell (30661); 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  
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  
xprroffaz2: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mips32; 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  
artix: 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  
novaaaxs: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a); supercop-20191221  
jtsosaxi: 4 x 2065MHz; 2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3); supercop-20170728  
gcc16: 8 x 1600MHz; 2014 APM 88320B-X1; aarch64; X-Gen (500F000); supercop-20171218  
p3hpa1a: 4 x 1400MHz; 2018 Broadcom BCM20837B0; aarch64; Cortex-A53 (410f034); supercop-20230630  
p3hpa1a: 4 x 1400MHz; 2018 Broadcom BCM20837B0; aarch64; Cortex-A53 (410f034); supercop-20211222  
leafe: 8 x 1500MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20170404  
leafe: 8 x 1500MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20170404  
leafe: 8 x 1500MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20170404  
leafe: 8 x 1500MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f034); supercop-20170404  
jtsosaxi: 4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; Cortex-A57+crypto (418f071); supercop-20191017  
varbear: 8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; Cortex-A57+crypto (411f072); supercop-20200626  
pi4b: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercop-20211222  
rpi4bunleashed: 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  
jms0145: 64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1); supercop-20191017