Type	Name	rpi4b Total	rpi4b Distribution	qemu Total	qemu Distribution	rpi3bp Total	rpi3bp Distribution	graviton2 Total	graviton2 Distribution
amo	MP+po_p_amoswap_pl-coi+addr	0/0		0/0		0/0		0/0	
checks	check1	0/500K		0/0		0/500K		0/26.50M	
checks	check2	0/500K		0/0		0/500K		0/26.50M	
checks	check3	0/6M		0/0		0/500K		0/33.50M	
checks	check4	0/6M		0/0		0/500K		0/33.50M	
checks	check5	0/6M		0/0		0/500K		0/33.50M	
checks	check6	0/5.50M		0/0		0/500K		0/33.50M	
data	LB+pos	0/5M		0/0		0/500K		0/40M	
data	MP+dmb+po	0/0		0/0		0/0		0/0	
data	MP+dmbs	0/5M		0/3.50M		0/500K		0/39.50M	
data	MP+po+dmb	0/0		0/0		0/0		0/0	
data	MP+po-data+dmb	4.99K/4M	623.38/500K ± 189.09/500K	0/0		1.23K/500K	1.23K/500K ± 0.00/500K	431.10K/36M	5.99K/500K ± 2.36K/500K
data	MP+pos	514.11K/5M	51.41K/500K ± 5.20K/500K	0/3.50M		2.17K/500K	2.17K/500K ± 0.00/500K	4.12M/39.50M	52.13K/500K ± 8.85K/500K
data	MP+rfi-data+dmb	2.75K/2M	687.00/500K ± 294.54/500K	0/0		7.31K/500K	7.31K/500K ± 0.00/500K	284.40K/19.50M	7.29K/500K ± 2.70K/500K
data	SB+dmbs	0/5M		0/3.50M		0/500K		0/39.50M	
data	SB+pos	890.96K/5M	89.10K/500K ± 10.98K/500K	0/3.50M		67.40K/500K	67.40K/500K ± 0.00/500K	5.10M/39.50M	64.53K/500K ± 18.46K/500K
data	WRC+addrs	0/4.50M		0/3.50M		0/500K		0/39.50M	
data	WRC+pos	40.77K/4.50M	4.53K/500K ± 1.01K/500K	0/3.50M		2/500K	2.00/500K ± 0.00/500K	44.26K/39.50M	560.25/500K ± 508.94/500K
exc	LB+R-svc-W+R-svc-W	0/7M		0/0		0/3M		0/110M	
exc	MP+W-svc-W+addr	0/7M		0/0		14.70K/3M	2.45K/500K ± 1.86K/500K	107/109.50M	0.49/500K ± 0.79/500K
exc	MP+dmb+R-svc-R	0/2.50M		0/0		0/2.50M		0/76M	
exc	MP+dmb+R-svc-eret-R	0/7M		0/0		0/3M		0/109M	
exc	MP+dmb+eret	0/7.50M		0/6.50M		0/3M		0/109M	
exc	MP+dmb+svc	0/7.50M		0/6.50M		0/3M		0/109M	
exc	MP+dmb+svc-R-eret-R	0/2.50M		0/0		0/2.50M		0/75.50M	
exc	MP+dmb+svc-R-eret-svc-R	0/7.50M		0/0		0/3M		0/109M	
exc	MP+dmb+svc-R-svc-R	0/7.50M		0/0		0/3M		0/108.50M	
exc	MP+dmb+svc-R-svc-eret-R	0/7.50M		0/0		0/3M		0/108.50M	
exc	MP+dmb+svc2-R-eret-R	0/7.50M		0/0		0/3M		0/108M	
exc	MP+svc-W-eret-W+addr	0/7.50M		0/0		2.70K/3M	450.17/500K ± 306.87/500K	1.87K/108M	8.65/500K ± 6.31/500K
exc	SB+W-svc-R+W-svc-R	0/7.50M		0/0		5.30K/3M	883.50/500K ± 1.79K/500K	7.50K/108M	34.73/500K ± 20.67/500K
exc	SB+svc-erets	34/7M	2.43/500K ± 4.05/500K	0/0		5.59K/3M	931.83/500K ± 1.99K/500K	1.81K/108M	8.38/500K ± 5.40/500K
pgtable	CoRT	588.89K/5M	58.89K/500K ± 13.19K/500K			114.28K/500K	114.28K/500K ± 0.00/500K	1.88M/33M	28.45K/500K ± 10.72K/500K
pgtable	CoRT+dsb-isb	557.87K/5M	55.79K/500K ± 9.75K/500K			64.59K/500K	64.59K/500K ± 0.00/500K	3.07M/33M	46.58K/500K ± 41.70K/500K
pgtable	CoTR	1.46M/5M	145.94K/500K ± 21.67K/500K	2/3.50M	0.29/500K ± 0.45/500K	0/500K		7.34M/32.50M	112.98K/500K ± 18.19K/500K
pgtable	CoTR+addr	0/5M		2/3M	0.33/500K ± 0.47/500K	1/500K	1.00/500K ± 0.00/500K	0/32.50M	
pgtable	CoTR+dmb	1/5M	0.10/500K ± 0.30/500K	5/3M	0.83/500K ± 0.69/500K	0/500K		4/32.50M	0.06/500K ± 0.24/500K
pgtable	CoTR+dsb	2/5M	0.20/500K ± 0.40/500K	1/3M	0.17/500K ± 0.37/500K	0/500K		5/32.50M	0.08/500K ± 0.27/500K
pgtable	CoTR+dsb-isb	1/5M	0.10/500K ± 0.30/500K	2/3M	0.33/500K ± 0.47/500K	0/500K		1/32.50M	0.02/500K ± 0.12/500K
pgtable	CoTR.inv	2.67M/5M	266.74K/500K ± 65.29K/500K	0/3.50M		0/500K		26.59M/32.50M	409.09K/500K ± 77.47K/500K
pgtable	CoTR.inv+dsb-isb	0/5M		0/3.50M		0/500K		0/32.50M	
pgtable	CoTR1+dsb-dc-dsb-tlbi-dsb-isb	2/5M	0.20/500K ± 0.40/500K	0/0		0/500K		4/32.50M	0.06/500K ± 0.24/500K
pgtable	CoTR1+dsb-tlbi-dsb-isb	2/5M	0.20/500K ± 0.40/500K	0/0		0/500K		3/32.50M	0.05/500K ± 0.21/500K
pgtable	CoTR1.tlbi+dsb-isb	6/5M	0.60/500K ± 1.02/500K	7/3M	1.17/500K ± 0.69/500K	1/500K	1.00/500K ± 0.00/500K	29/32.50M	0.45/500K ± 0.63/500K
pgtable	CoTT	0/5M		0/0		0/500K		0/32.50M	
pgtable	CoTW	0/5M		0/0		0/500K		0/0	
pgtable	CoWT	2.81M/5M	280.69K/500K ± 10.73K/500K	0/3.50M		369.12K/500K	369.12K/500K ± 0.00/500K	16.30M/32.50M	250.71K/500K ± 1.74K/500K
pgtable	CoWT+dsb	2.79M/5M	279.32K/500K ± 9.16K/500K	0/3.50M		248.71K/500K	248.71K/500K ± 0.00/500K	16.24M/32.50M	249.83K/500K ± 409.71/500K
pgtable	CoWT+dsb-isb	2.81M/5M	280.77K/500K ± 7.54K/500K	0/3.50M		249.23K/500K	249.23K/500K ± 0.00/500K	16.24M/32.50M	249.84K/500K ± 397.95/500K
pgtable	CoWT+dsb-svc-tlbi-dsb	0/5M		0/3.50M		0/500K		0/32M	
pgtable	CoWT.inv	6/5M	0.60/500K ± 1.20/500K	0/3.50M		305.08K/500K	305.08K/500K ± 0.00/500K	22/32M	0.34/500K ± 0.67/500K
pgtable	CoWT.inv+dmb	5/5M	0.50/500K ± 0.67/500K	0/0		45.59K/500K	45.59K/500K ± 0.00/500K	15/32M	0.23/500K ± 0.49/500K
pgtable	CoWT.inv+dsb	1/5M	0.10/500K ± 0.30/500K	0/3.50M		0/500K		22/31.50M	0.35/500K ± 0.67/500K
pgtable	CoWT.inv+dsb-isb	0/5M		0/3M		0/500K		0/31.50M	
pgtable	CoWT1+dsb-tlbi-dsb	0/5M		0/3.50M		0/500K		0/32M	
pgtable	CoWT1+dsb-tlbi-dsb-isb	0/5M		0/0		0/500K		0/31.50M	
pgtable	CoWinvT	2.67M/5M	266.85K/500K ± 8.75K/500K	0/3.50M		293.49K/500K	293.49K/500K ± 0.00/500K	16.32M/31.50M	259.08K/500K ± 17.15K/500K
pgtable	CoWinvT+dsb-isb	2.69M/5M	268.66K/500K ± 11.77K/500K	0/3.50M		336.81K/500K	336.81K/500K ± 0.00/500K	16.31M/31.50M	258.94K/500K ± 17.86K/500K
pgtable	CoWinvT1+dsb-tlbi-dsb	0/5M		0/3.50M		0/500K		0/31.50M	
pgtable	CoWinvWT1+dsb-tlbi-dsb-dsb-isb	0/5M		0/0		0/500K		0/31.50M	
pgtable	ISA2.TRR+dmb+po+dmb	0/5M		0/3M		0/500K		0/31.50M	
pgtable	MP.BBM1+[dmb.ld]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/107M		0/0		0/0		0/427M	
pgtable	MP.BBM1+[dmb.ld]-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/197M		0/0		0/1.06G		0/119M	
pgtable	MP.BBM1+[po]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/107M		0/0		0/0		0/135M	
pgtable	MP.BBM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/5M		0/0		0/500K		52/125M	0.21/500K ± 0.44/500K
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb+dsb	1/5M	0.10/500K ± 0.30/500K	0/0		0/500K		7/32M	0.11/500K ± 0.36/500K
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb	0/5M		0/0		0/500K		2/32M	0.03/500K ± 0.17/500K
pgtable	MP.BBM1+dsb-tlbiis-dsb-isb+dsb-isb	1/5M	0.10/500K ± 0.30/500K	0/0		0/500K		0/32M	
pgtable	MP.BBM1+dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	2/5M	0.20/500K ± 0.40/500K	0/0		0/500K		3/32M	0.05/500K ± 0.28/500K
pgtable	MP.BBM1+po-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/0		0/0		0/0		9/181M	0.02/500K ± 0.16/500K
pgtable	MP.BBM1.id+dsb-tlbiis-dsb-dsb+dsb-isb	9/5M	0.90/500K ± 0.30/500K	0/0		0/500K		66/32M	1.03/500K ± 0.17/500K
pgtable	MP.RT+svc-dsb-tlbi-dsb+dsb-isb	1/5M	0.10/500K ± 0.30/500K	0/3M		0/500K		3/31.50M	0.05/500K ± 0.21/500K
pgtable	MP.RT+svc-dsb-tlbiis-dsb+dsb-isb	1/5M	0.10/500K ± 0.30/500K	0/3.50M		0/500K		3/31.50M	0.05/500K ± 0.21/500K
pgtable	MP.RT.inv+dmb+addr	0/5M		0/3M		0/500K		0/31.50M	
pgtable	MP.RT.inv+dmb+po	0/5M		0/0		0/500K		0/31.50M	
pgtable	MP.RT1+[dmb.ld]-dmb+dsb-isb	7.14K/5M	714.50/500K ± 129.06/500K	0/0		986/500K	986.00/500K ± 0.00/500K	1.26K/31.50M	19.98/500K ± 35.96/500K
pgtable	MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dmb	0/0		0/0		0/0		0/12.50M	
pgtable	MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dsb-isb	0/0		0/0		0/0		0/12.50M	
pgtable	MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb	0/5M		0/0		0/500K		0/31.50M	
pgtable	MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb	4/5M	0.40/500K ± 0.49/500K	0/2.50M		1/500K	1.00/500K ± 0.00/500K	5/31.50M	0.08/500K ± 0.27/500K
pgtable	MP.RT1+dc-dsb-tlbiall-dsb-isb	3/5M	0.30/500K ± 0.46/500K	0/0		0/500K		2/31.50M	0.03/500K ± 0.18/500K
pgtable	MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb	0/5M		0/0		0/500K		4/31M	0.06/500K ± 0.25/500K
pgtable	MP.RT1+dsb-tlbi-dsb+dsb-isb	0/5M		0/0		0/500K		2/31M	0.03/500K ± 0.18/500K
pgtable	MP.RT1+dsb-tlbiall-dsb+dsb-isb	5/5M	0.50/500K ± 0.50/500K	0/3.50M		0/500K		6/31M	0.10/500K ± 0.30/500K
pgtable	MP.RT1+dsb-tlbiallis-dsb+dsb-isb	3/5M	0.30/500K ± 0.64/500K	0/0		0/500K		2/31M	0.03/500K ± 0.18/500K
pgtable	MP.RT1+dsb-tlbiis-dsb+dsb-isb	1/5M	0.10/500K ± 0.30/500K	0/3.50M		0/500K		1/31M	0.02/500K ± 0.13/500K
pgtable	MP.RT1+dsb-tlbiis-dsb-isb+dmb	0/5M		0/0		0/500K		1/31M	0.02/500K ± 0.13/500K
pgtable	MP.RT1+dsb-tlbiis-dsb-isb+dsb-isb	0/5M		0/0		0/500K		1/31M	0.02/500K ± 0.13/500K
pgtable	MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb	0/5M		0/3.50M		0/500K		3/31M	0.05/500K ± 0.21/500K
pgtable	MP.TT+Winv-dmb-Winv+tpo	193.79K/5M	19.38K/500K ± 7.02K/500K	0/0		57.63K/500K	57.63K/500K ± 0.00/500K	67.38K/31M	1.09K/500K ± 926.88/500K
pgtable	MP.TT+dmb+dsb-isb	529.09K/4.50M	58.79K/500K ± 12.70K/500K	0/0		59.96K/500K	59.96K/500K ± 0.00/500K	398.74K/31M	6.43K/500K ± 7.43K/500K
pgtable	MP.TT+dmb+tpo	709.98K/4.50M	78.89K/500K ± 12.86K/500K	0/0		58.59K/500K	58.59K/500K ± 0.00/500K	386.32K/31M	6.23K/500K ± 5.93K/500K
pgtable	MP.TT.inv+dmb+dsb-isb	0/4.50M		0/0		0/500K		0/31M	
pgtable	MP.TT.inv+dmb+tpo	0/4.50M		0/0		0/500K		0/31M	
pgtable	MP.invRT+dsb+dsb-isb	570.59K/4M	71.32K/500K ± 11.52K/500K	0/0		20.27K/500K	20.27K/500K ± 0.00/500K	705.96K/30.50M	11.57K/500K ± 5.91K/500K
pgtable	MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb	0/4.50M		0/0		0/500K		1/31M	0.02/500K ± 0.13/500K
pgtable	MP.invRT1+dsb-tlbiis-dsb+dsb	0/4M		0/0		0/500K		2/31M	0.03/500K ± 0.18/500K
pgtable	MP.invRT1+dsb-tlbiis-dsb-isb+dsb-isb	1/3.50M	0.14/500K ± 0.35/500K	0/0		0/500K		1/31M	0.02/500K ± 0.13/500K
pgtable	WRC.AT+ctrl+dsb	107.79K/3.50M	15.40K/500K ± 2.85K/500K	0/3.50M		19.30K/500K	19.30K/500K ± 0.00/500K	183.32K/30.50M	3.01K/500K ± 3.13K/500K
pgtable	WRC.TRR+addr+dmb	0/3.50M		0/3M		0/500K		0/30.50M	
pgtable	WRC.TRR.inv+addrs	0/3.50M		0/3M		0/500K		0/30.50M	
pgtable	WRC.TRT+addr+dmb	29.28K/3.50M	4.18K/500K ± 970.04/500K	0/3M		17.92K/500K	17.92K/500K ± 0.00/500K	57.00K/30.50M	934.38/500K ± 416.32/500K
pgtable	WRC.TRT+dmbs	26.13K/3.50M	3.73K/500K ± 1.47K/500K	0/3M		22.64K/500K	22.64K/500K ± 0.00/500K	74.68K/30.50M	1.22K/500K ± 444.60/500K
pgtable	WRC.TRT+dsb-isbs	14.43K/3.50M	2.06K/500K ± 994.53/500K	0/3M		11.79K/500K	11.79K/500K ± 0.00/500K	72.31K/30.50M	1.19K/500K ± 435.00/500K
pgtable	WRC.TRT.inv+addrs	0/3M		0/3M		0/500K		0/29.50M	
pgtable	WRC.TRT.inv+dsb-isbs	0/3M		0/3M		0/0		0/29M	
pgtable	WRC.TRT.inv+po+addr	0/3M		0/3M		0/0		0/28.50M	
pgtable	WRC.TRT.inv+po+dmb	0/3M		0/3M		0/0		0/28M	
pgtable	WRC.TRT1+dsb-tlbiis-dsb+dmb	0/3.50M		0/3M		0/0		0/29M	
pgtable	WRC.TRT1+dsb-tlbiis-dsb+dsb-isb	0/3.50M		0/3M		0/0		0/29M	
aliasing	CoWR.alias	0/6M		0/0		0/1.50M		0/36M	
aliasing	MP+dmb-data+dmb	0/5M		0/0		0/1.50M		0/36M	
aliasing	MP.alias+dmbs	0/5M		0/0		0/1.50M		0/36M	
aliasing	MP.alias2+dmb-data+dmb	0/5M		0/0		0/1.50M		0/36M	
aliasing	MP.alias2+dmbs	0/5M		0/0		0/0		0/19.50M	
aliasing	MP.alias2+po-data+dmb	2.23K/5M	222.60/500K ± 44.19/500K	0/0		3.17K/1.50M	1.06K/500K ± 107.89/500K	407.36K/36M	5.66K/500K ± 1.83K/500K
aliasing	MP.alias3+rfi-data+dmb	51/3M	8.50/500K ± 2.36/500K	0/0		16/1.50M	5.33/500K ± 2.05/500K	36.35K/19.50M	932.18/500K ± 337.68/500K
aliasing	SB.alias+dmbs	0/5M		0/0		0/1M		0/35.50M	
aliasing	WRC.alias2+addrs	0/4M		0/0		0/43M		0/19M	
aliasing	WRC.alias2+dmbs	0/4M		0/0				0/18.50M	
pmds	CoWT.L23+dsb-isb	1.76M/2M	438.98K/500K ± 359.83/500K	0/0		1.25M/2.50M	249.10K/500K ± 391.40/500K	44.11M/75M	294.08K/500K ± 9.09K/500K
pmds	CoWT.L23+po	1.99M/2M	497.08K/500K ± 2.10K/500K	0/0		2.48M/2.50M	496.01K/500K ± 1.19K/500K	71.13M/75M	474.23K/500K ± 44.25K/500K
pmds	CoWT1.L23+dsb-tlbi-dsb-isb	0/2M		0/0		0/2.50M		0/75M	
pmds	ROT+dsb-dsb	0/2M		0/0		0/2.50M		0/75M	
pmds	ROT+po-po	0/2M		0/0		0/2.50M		0/75M	
pmds	ROT1+dsb-dsb-tlbi-dsb	0/2M		0/0		0/2M		0/75M	
pmds	ROT1+dsb-dsb-tlbivaa-dsb	0/2M		0/0		0/2M		0/75M	
same_page	CoTT+po-popage	0/2M		0/0		0/2M		0/75M	
timing	MP.times+pos	0/0		0/0		0/0		0/0	