

	Name	rpi4b	qemu			rpi3bp	graviton2		
		Total Distribution	Total Distribution	Total Distribution	Total Distribution	Total Distribution	Total Distribution	Total Distribution	Total Distribution
amo	MP+po_p_amoswap_pl-coi+addr	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
checks	check1	0/4M	0/0	0/0	0/3.50M	0/102.50M	0/102.50M	0/102.50M	0/102.50M
checks	check2	0/4M	0/0	0/0	0/3.50M	0/102.50M	0/102.50M	0/102.50M	0/102.50M
checks	check3	0/9.50M	0/0	0/0	0/3.50M	0/109.50M	0/109.50M	0/109.50M	0/109.50M
checks	check4	0/9.50M	0/0	0/0	0/3.50M	0/109.50M	0/109.50M	0/109.50M	0/109.50M
checks	check5	0/9.50M	0/0	0/0	0/3.50M	0/109.50M	0/109.50M	0/109.50M	0/109.50M
checks	check6	0/9M	0/0	0/0	0/3.50M	0/109.50M	0/109.50M	0/109.50M	0/109.50M
data	LB+pos	0/8.50M	0/0	0/0	0/3.50M	0/116M	0/116M	0/116M	0/116M
data	MP+dmb+po	668.30K/3.50M	95.47K/500K ± 17.35K/500K	0/0	783/3M	130.50/500K ± 26.32/500K	10.93M/76M	71.91K/500K ± 6.46K/500K	0/115.50M
data	MP+dmb	0/8.50M	0/0	0/0	0/3.50M	0/115.50M	0/115.50M	0/115.50M	0/115.50M
data	MP+po+dmb	291/3M	48.50/500K ± 10.40/500K	0/0	11.83K/3M	1.97K/500K ± 1.54K/500K	120.00K/76M	789.49/500K ± 1.20K/500K	0/115.50M
data	MP+po-data+dmb	7.57K/7M	540.79/500K ± 190.30/500K	0/0	18.94K/3.50M	2.71K/500K ± 2.17K/500K	710.02K/112M	3.17K/500K ± 2.69K/500K	0/115.50M
data	MP+pos	1.16M/8M	72.44K/500K ± 28.18K/500K	0/0	23.18K/3.50M	3.31K/500K ± 1.49K/500K	20.93M/115.50M	90.62K/500K ± 29.10K/500K	0/115.50M
data	MP+rfi-data+dmb	4.51K/5M	451.20/500K ± 279.78/500K	0/0	22.81K/3.50M	3.26K/500K ± 1.78K/500K	541.95K/95.50M	2.84K/500K ± 2.88K/500K	0/115.50M
data	SB+dmbs	0/8M	0/0	0/0	0/3.50M	0/115.50M	0/115.50M	0/115.50M	0/115.50M
data	SB+pos	1.86M/8M	116.02K/500K ± 36.51K/500K	0/0	212.70K/3.50M	30.39K/500K ± 15.73K/500K	29.84M/115.50M	129.17K/500K ± 53.69K/500K	0/115.50M
data	WRC+addrs	0/7.50M	0/0	0/0	0/3.50M	0/115.50M	0/115.50M	0/115.50M	0/115.50M
data	WRC+pos	67.80K/7.50M	4.52K/500K ± 980.62/500K	0/0	9/3.50M	1.29/500K ± 1.03/500K	261.11K/115M	1.14K/500K ± 1.49K/500K	0/115.50M
exc	LB+R-svc-W+R-svc-W	0/20M	0/0	0/0	0/16M	0/185M	0/185M	0/185M	0/185M
exc	MP+W-svc-W+addr	0/20M	0/0	0/0	117.36K/16M	3.67K/500K ± 2.85K/500K	240/185M	0.65/500K ± 0.91/500K	0/185M
exc	MP+W-svc-eret-W+addr	0/3.50M	0/0	0/0	7.45K/2.50M	1.49K/500K ± 834.11/500K	29/75M	0.19/500K ± 0.47/500K	0/185M
exc	MP+dmb+R-svc-R	0/15.50M	0/0	0/0	0/15M	0/151.50M	0/151.50M	0/151.50M	0/151.50M
exc	MP+dmb+R-svc-eret-R	0/20M	0/0	0/0	0/15.50M	0/185M	0/185M	0/185M	0/185M
exc	MP+dmb+eret	0/20.50M	0/0	0/0	0/15.50M	0/185M	0/185M	0/185M	0/185M
exc	MP+dmb+svc	0/20.50M	0/0	0/0	0/15.50M	0/185M	0/185M	0/185M	0/185M
exc	MP+dmb+svc-R-eret-R	0/15.50M	0/0	0/0	0/15M	0/151.50M	0/151.50M	0/151.50M	0/151.50M
exc	MP+dmb+svc-R-eret-svc-R	0/20.50M	0/0	0/0	0/15.50M	0/185M	0/185M	0/185M	0/185M
exc	MP+dmb+svc-R-svc-R	0/20.50M	0/0	0/0	0/15.50M	0/184M	0/184M	0/184M	0/184M
exc	MP+dmb+svc-R-svc-eret-R	0/20.50M	0/0	0/0	0/15.50M	0/183.50M	0/183.50M	0/183.50M	0/183.50M
exc	MP+dmb+svc2-R-eret-R	0/20.50M	0/0	0/0	0/15.50M	0/183.50M	0/183.50M	0/183.50M	0/183.50M
exc	MP+svc-W-eret-W+addr	0/20.50M	0/0	0/0	21.97K/15.50M	708.71/500K ± 630.49/500K	3.72K/183.50M	10.15/500K ± 6.91/500K	0/183.50M
exc	SB+W-svc-R+W-svc-R	0/20.50M	0/0	0/0	6.88K/15.50M	221.77/500K ± 851.35/500K	15.22K/183.50M	41.48/500K ± 23.47/500K	0/183.50M
exc	SB+svc-erets	34/20M	0.85/500K ± 2.66/500K	0/0	6.45K/15.50M	207.90/500K ± 942.90/500K	3.12K/183.50M	8.51/500K ± 6.38/500K	0/183.50M
orhpan	CoTR1.broken+dsb-tlbi-dsb-isb	7/21.50M	0.16/500K ± 0.37/500K	0/0	0/0	0/0	0/0	0/0	0/0
orhpan	LB.broken+pos	1.06M/1.50M	353.28K/500K ± 39.86K/500K	0/0	0/0	0/0	0/0	0/0	0/0
orhpan	MP.BBM1+[dmb.ld]-dsb-tlbiis-[dmb.ld]-dsb-dsb+dsb-isb	0/500K	0/0	0/0	0/0	0/0	0/0	0/0	0/0
orhpan	SB.broken+W-svc-R+W-svc-R	20/2M	5.00/500K ± 5.00/500K	0/0	0/0	0/0	0/0	0/0	0/0
orhpan	WRC.TRT1.broken+dsb-tlbiis-dsb+dmb	0/55.50M	0/0	0/0	0/0	0/0	0/0	0/0	0/0
pgtable	CoRT	964.72K/8M	60.30K/500K ± 31.30K/500K	0/0	520.06K/3M	86.68K/500K ± 13.08K/500K	2.29M/108M	10.61K/500K ± 14.22K/500K	0/107.50M
pgtable	CoRT+dsb-isb	802.86K/8M	50.18K/500K ± 15.93K/500K	0/0	327.02K/3M	54.50K/500K ± 5.67K/500K	3.41M/108M	15.77K/500K ± 30.96K/500K	0/107.50M
pgtable	CoTR	2.51M/8M	156.63K/500K ± 31.44K/500K	0/0	0/3M	0/3M	21.70M/107.50M	100.92K/500K ± 21.38K/500K	0/107.50M
pgtable	CoTR+addr	0/8M	0/0	0/0	1/3M	0.17/500K ± 0.37/500K	0/107.50M	0/107.50M	0/107.50M
pgtable	CoTR+dmb	1/8M	0.06/500K ± 0.24/500K	0/0	0/3M	0/3M	4/107.50M	0.02/500K ± 0.14/500K	0/107.50M
pgtable	CoTR+dsb	2/8M	0.12/500K ± 0.33/500K	0/0	0/2.50M	0/2.50M	5/107M	0.02/500K ± 0.15/500K	0/107.50M
pgtable	CoTR+dsb-isb	1/8M	0.06/500K ± 0.24/500K	0/0	0/2.50M	0/2.50M	1/107M	0.00/500K ± 0.07/500K	0/107.50M
pgtable	CoTR.inv	3.63M/6.50M	279.43K/500K ± 62.37K/500K	0/0	0/2.50M	0/2.50M	32.28M/43M	375.33K/500K ± 91.32K/500K	0/107.50M
pgtable	CoTR.inv+dsb-isb	0/6.50M	0/0	0/0	0/2.50M	0/2.50M	0/43M	0/43M	0/43M
pgtable	CoTR1+dsb-dc-dsb-tlbi-dsb-isb	2/6.50M	0.15/500K ± 0.36/500K	0/0	0/2.50M	0/2.50M	4/43M	0.05/500K ± 0.21/500K	0/43M
pgtable	CoTR1+dsb-tlbi-dsb-isb	2/6.50M	0.15/500K ± 0.36/500K	0/0	0/2.50M	0/2.50M	3/43M	0.03/500K ± 0.18/500K	0/43M
pgtable	CoTR1.tlbi+dsb-isb	6/6.50M	0.46/500K ± 0.93/500K	0/0	1/2.50M	0.20/500K ± 0.40/500K	29/43M	0.34/500K ± 0.58/500K	0/43M
pgtable	CoTT	0/6.50M	0/0	0/0	0/2M	0/2M	0/43M	0/43M	0/43M
pgtable	CoTW	0/1.50M	0/0	0/0	0/1.50M	0/1.50M	0/10.50M	0/10.50M	0/10.50M
pgtable	CoWT	3.77M/6.50M	289.86K/500K ± 19.23K/500K	0/0	1.85M/2M	462.33K/500K ± 53.82K/500K	22.64M/43M	263.28K/500K ± 22.56K/500K	0/10.50M
pgtable	CoWT+dsb	3.76M/6.50M	289.17K/500K ± 19.74K/500K	0/0	995.06K/2M	248.76K/500K ± 159.86/500K	21.50M/43M	250.05K/500K ± 561.54/500K	0/10.50M
pgtable	CoWT+dsb-isb	3.78M/6.50M	290.59K/500K ± 19.12K/500K	0/0	995.77K/2M	248.94K/500K ± 228.37/500K	21.50M/43M	250.04K/500K ± 521.08/500K	0/10.50M
pgtable	CoWT+dsb-svc-tlbi-dsb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42.50M	0/42.50M	0/42.50M
pgtable	CoWT.inv	10/6.50M	0.77/500K ± 1.42/500K	0/0	1.73M/2M	432.85K/500K ± 73.79K/500K	169/42.50M	1.99/500K ± 3.39/500K	0/42.50M
pgtable	CoWT.inv+dmb	8/6.50M	0.62/500K ± 0.92/500K	0/0	69.38K/2M	17.35K/500K ± 16.32K/500K	42/42.50M	0.49/500K ± 0.85/500K	0/42.50M
pgtable	CoWT.inv+dsb	1/6.50M	0.08/500K ± 0.27/500K	0/0	0/2M	0/2M	57/42M	0.68/500K ± 1.00/500K	0/42.50M
pgtable	CoWT.inv+dsb-isb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42M	0/42M	0/42M
pgtable	CoWT1+dsb-tlbi-dsb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42.50M	0/42.50M	0/42.50M
pgtable	CoWT1+dsb-tlbi-dsb-isb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42.50M	0/42.50M	0/42.50M
pgtable	CoWinvT	4.17M/6.50M	320.63K/500K ± 98.49K/500K	0/0	1.79M/2M	447.54K/500K ± 88.94K/500K	26.81M/42M	319.17K/500K ± 105.14K/500K	0/42.50M
pgtable	CoWinvT+dsb-isb	4.19M/6.50M	321.95K/500K ± 97.84K/500K	0/0	1.83M/2M	458.52K/500K ± 70.27K/500K	26.80M/42M	319.06K/500K ± 105.27K/500K	0/42.50M
pgtable	CoWinvT1+dsb-tlbi-dsb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42M	0/42M	0/42M
pgtable	CoWinvWT1+dsb-tlbi-dsb-dsb-isb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42M	0/42M	0/42M
pgtable	ISA2.TRR+dmb+po+dmb	0/6.50M	0/0	0/0	0/2M	0/2M	0/42M	0/42M	0/42M
pgtable	MP.BBM1+[dmb.ld]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/108.50M	0/0	0/0	0/1.50M	0/1.50M	0/437.50M	0/437.50M	0/437.50M
pgtable	MP.BBM1+[dmb.ld]-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/198.50M	0/0	0/0	0/1.06G	0/1.06G	0/129.50M	0/129.50M	0/129.50M
pgtable	MP.BBM1+[po]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/108.50M	0/0	0/0	0/1.50M	0/1.50M	0/145.50M	0/145.50M	0/145.50M
pgtable	MP.BBM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/6.50M	0/0	0/0	0/2M	0/2M	52/135.50M	0.19/500K ± 0.43/500K	0/2M
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb+dsb	1/6.50M	0.08/500K ± 0.27/500K	0/0	0/2M	0/2M	7/42.50M	0.08/500K ± 0.31/500K	0/2M
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb	0/6.50M	0/0	0/0	0/2M	0/2M	2/42.50M	0.02/500K ± 0.15/500K	0/2M
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb	1/6M	0.08/500K ± 0.28/500K	0/0	0/2M	0/2M	3/42.50M	0.04/500K ± 0.24/500K	0/2M
pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb-isb	2/6M	0.17/500K ± 0.37/500K	0/0	0/2M	0/2M	0/42.50M	0.04/500K ± 0.15/500K	0/2M
pgtable	MP.BBM1+po-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/1M	0/0	0/0	0/1.50M	0/1.50M	9/191.50M	0.02/500K ± 0.15/500K	0/1.50M
pgtable	MP.BBM1.id+dsb-tlbiis-dsb-dsb+dsb-isb	10/6M	0.83/500K ± 0.37/500K	0/0	2/2M	0.50/500K ± 0.50/500K	87/42.50M	1.02/500K ± 0.15/500K	0/2M
pgtable	MP.RT+svc-dsb-tlbi-dsb+dsb-isb	1/6M	0.08/500K ± 0.28/500K	0/0	0/2M	0/2M	3/42M	0.04/500K ± 0.19/500K	0/2M
pgtable	MP.RT+svc-dsb-tlbiis-dsb+dsb-isb	1/6M	0.08/500K ± 0.28/500K	0/0	0/2M	0/2M	3/42M	0.04/500K ± 0.19/500K	0/2M
pgtable	MP.RT.inv+dmb+addr	0/6M	0/0	0/0	0/2M	0/2M	0/42M	0/42M	0/42M
pgtable	MP.RT.inv+dmb+po	0/6M	0/0	0/0	6/1.50M	2.00/500K ± 2.16/500K	0/42M	0/42M	0/42M
pgtable	MP.RT1+[dmb.ld]-dmb+dsb-isb	7.15K/6M	595.58/500K ± 290.84/500K	0/0	986/1.50M	328.67/500K ± 464.80/500K	1.26K/42M	15.01/500K ± 32.31/500K	0/1.50M
pgtable	MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dmb	0/1M	0/0	0/0	0/1M	0/1M	0/23M	0/23M	0/23M
pgtable	MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dsb-isb	0/1M	0/0	0/0	0/1M	0/1M	0/23M	0/23M	0/23M
pgtable	MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb	0/6M	0/0	0/0	0/1.50M	0/1.50M	0/42M	0/42M	0/42M
pgtable	MP.RT1+dc-dsb-tlbiiall-dsb+dsb-isb	4/6M	0.33/500K ± 0.47/500K	0/0	1/1.50M	0.33/500K ± 0.47/500K	5/41.50M	0.06/500K ± 0.24/500K	0/1.50M
pgtable	MP.RT1+dc-dsb-tlbiiall-dsb-isb+dsb-isb	3/6M	0.25/500K ± 0.43/500K	0/0	0/1.50M	0/1.50M	2/41.50M	0.02/500K ± 0.15/500K	0/1.50M
pgtable	MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb	0/6M	0/0	0/0	0/1.50M	0/1.50M	4/41M	0.05/500K ± 0.22/500K	0/1.50M
pgtable	MP.RT1+dsb-tlbi-dsb+dsb-isb	0/6M	0/0	0/0	0/1.50M	0/1.50M	2/41M	0.02/500K ± 0.15/500K	0/1.50M
pgtable	MP.RT1+dsb-tlbiiall-dsb+dsb-isb	5/6M	0.42/500K ± 0.49/500K	0/0	0/1.50M	0/1.50M	6/41M	0.07/500K ± 0.26/500K	0/1.50M
pgtable	MP.RT1+dsb-tlbiiallis-dsb+dsb-isb	3/6M	0.25/500K ± 0.60/500K	0/0	0/1.50M	0/1.50M	2/41M	0.02/500K ±	