	Total 0/500K 0/500K	Distribution						Type checks	Name check1	$0/500 { m K}$	Distribution	
check3 check4 check5 check6	0/6M 0/6M 0/6M 0/5.50M							checks checks checks checks	check2 check3 check4 check5 check6	0/500K 0/500K 0/500K		
	0/5M 4.99K/4M 514.11K/5M	623.38/500K 51.41K/500K	$\pm 189.09/500K$ $\pm 5.20K/500K$					data data data data	LB+pos MP+dmbs MP+po-data+dmb MP+pos	0/500K 0/500K 1.23K/500K	1.23K/500K 2.17K/500K	$\pm 0.00/500K$ $\pm 0.00/500K$
WRC+addrs	0/5M 890.96K/5M 0/4.50M	•	$\pm 294.54/500K$ $\pm 10.98K/500K$					data data data data	$\mathrm{MP+rfi\text{-}data+dmb}$ $\mathrm{SB+dmbs}$	7.31K/500K 0/500K 67.40K/500K	7.31K/500K	$\pm 0.00/500K$ $\pm 0.00/500K$
CoRT+dsb-isb.errata.errata CoRT.errata.errata CoTR+addr.errata.errata	7.10 M/61 M $13/24 M$	4.53K/500K 48.69K/500K 58.21K/500K 0.27/500K	$\pm 1.01 \text{K} / 500 \text{K}$ $\pm 24.11 \text{K} / 500 \text{K}$ $\pm 23.26 \text{K} / 500 \text{K}$ $\pm 0.53 / 500 \text{K}$					data errata errata errata	WRC+pos CoRT+dsb-isb.errata.errata CoRT.errata.errata CoTR+addr.errata.errata	2/500K 938.22K/4.50M 1.06M/4.50M	2.00/500K 104.25K/500K 118.27K/500K 0.44/500K	$\begin{array}{l} \pm \ 0.00/500\mathrm{K} \\ \pm \ 5.50\mathrm{K}/500\mathrm{K} \\ \pm \ 12.03\mathrm{K}/500\mathrm{K} \\ \pm \ 0.50/500\mathrm{K} \end{array}$
CoTR+dmb.errata.errata CoTR+dsb-isb.errata.errata CoTR+dsb.errata.errata CoTR.errata.errata	25/57.50M 18/24M	0.25/500K 0.22/500K 0.38/500K 98.07K/500K	$\pm 0.48/500K$ $\pm 0.51/500K$ $\pm 0.60/500K$ $\pm 39.58K/500K$					errata errata	CoTR+dmb.errata.errata CoTR+dsb-isb.errata.errata CoTR+dsb-errata.errata CoTR-dsb-errata.errata	5/4.50M 3/4.50M 4/4.50M	0.56/500K 0.33/500K 0.44/500K	$\pm 0.68/500K$ $\pm 0.68/500K$ $\pm 0.47/500K$ $\pm 0.50/500K$
CoTR.inv+dsb-isb.errata.errata CoTR.inv.errata.errata CoTR1+dsb-dc-dsb-tlbi-dsb-isb.errata.errata CoTR1+dsb-tlbi-dsb-isb.errata.errata	6.94M/24M 16/31M 22/13.50M	$0.26/500 \mathrm{K} \\ 0.81/500 \mathrm{K}$	$\pm 103.13 \text{K} / 500 \text{K}$ $\pm 0.47 / 500 \text{K}$ $\pm 0.94 / 500 \text{K}$					errata errata errata errata errata	CoTR.inv+dsb-isb.errata.errata CoTR.inv.errata.errata CoTR1+dsb-dc-dsb-tlbi-dsb-isb.errata.errata CoTR1+dsb-tlbi-dsb-isb.errata.errata	0/4.50M 0/4.50M 1/4.50M	0.11/500K 0.22/500K	$\pm 0.31/500K$ $\pm 0.42/500K$
CoTR1.broken+dsb-tlbi-dsb-isb.errata.errata CoTR1.tlbi+dsb-isb.errata.errata CoTT.errata.errata CoWT+dsb-isb.errata.errata	23/23.50M 0/500K 49.17M/83.50M	0.16/500K 0.49/500K 294.42K/500K	$\pm 0.37/500K$ $\pm 0.61/500K$ $\pm 35.21K/500K$					errata errata errata errata	CoTR1.tlbi+dsb-isb.errata.errata CoTT.errata.errata CoWR.alias.errata.errata CoWT+dsb-isb.errata.errata	5/4.50M 0/4.50M 0/2M	0.56/500K 248.79K/500K	$\pm 0.68/500 K$
CoWT+dsb-svc-tlbi-dsb.errata.errata CoWT+dsb.errata.errata CoWT.errata.errata CoWT.inv-ldiblerrata.errata	14.92M/24.50M 38.81M/63.50M 0/5M	,	$\begin{array}{l} \pm \ 53.08 \mathrm{K}/500 \mathrm{K} \\ \pm \ 33.63 \mathrm{K}/500 \mathrm{K} \end{array}$					errata errata errata	CoWT+dsb-svc-tlbi-dsb.errata.errata CoWT+dsb.errata.errata CoWT.errata.errata CoWT.inv+dmb.errata.errata	0/4.50M 2.24M/4.50M 3.10M/4.50M	248.66K/500K 344.59K/500K	,
CoWT.inv+dsb-isb.errata.errata CoWT.inv+dsb.errata.errata CoWT.inv.errata.errata.errata CoWT1+dsb-tlbi-dsb-isb.errata.errata CoWT1+dsb-tlbi-dsb.errata.errata	127/61M 853/20M 0/103.50M	1.04/500K 21.32/500K	$\pm 3.08/500 \text{K}  \pm 41.61/500 \text{K}$					errata errata errata	CoWT.inv+dsb-isb.errata.errata CoWT.inv+dsb.errata.errata.errata CoWT.inv.errata.errata.errata CoWT1+dsb-tlbi-dsb-isb.errata.errata	0/3M 1.26M/3M	209.34K/500K	$\pm~93.74\mathrm{K}/500\mathrm{K}$
CoWinvT+dsb-isb.errata.errata CoWinvT.errata.errata CoWinvT1+dsb-tlbi-dsb.errata.errata CoWinvWT1+dsb-tlbi-dsb-isb.errata.errata	2.11M/4M 12.40M/19.50M 0/90M	,	$\pm 10.55 \text{K} / 500 \text{K}  \pm 55.63 \text{K} / 500 \text{K}$					errata errata errata	CoWT1+dsb-tlbi-dsb.errata.errata CoWinvT+dsb-isb.errata.errata CoWinvT.errata.errata CoWinvT1+dsb-tlbi-dsb.errata.errata	1.70M/3M 1.71M/3M 0/3M	,	$^{\pm~22.47\mathrm{K}/500\mathrm{K}}_{\pm~22.73\mathrm{K}/500\mathrm{K}}$
ISA2.TRR+dmb+po+dmb.errata.errata LB+R-svc-W+R-svc-W.errata.errata LB+pos.errata.errata LB.broken+pos.errata.errata	0/10.50M 0/15M	353.28K/500K	$\pm~39.86\mathrm{K}/500\mathrm{K}$					errata errata errata errata	CoWinvWT1+dsb-tlbi-dsb-dsb-isb.errata.errata ISA2.TRR+dmb+po+dmb.errata.errata LB+R-svc-W+R-svc-W.errata.errata LB+pos.errata.errata MP+W-svc-W+addr.errata.errata	0/3M 0/6M 0/6M	648.75/500K	$\pm 718.07/500$ K
MP+W-svc-W+addr.errata.errata MP+dmb+R-svc-eret-R.errata.errata MP+dmb+eret.errata.errata MP+dmb+svc-R-eret-svc-R.errata.errata	0/24M 0/49.50M 0/22.50M							errata errata errata errata errata	MP+dmb+R-svc-eret-R.errata.errata MP+dmb+eret.errata.errata MP+dmb+svc-R-eret-svc-R.errata.errata MP+dmb+svc-R-svc-R.errata.errata	0/5.50M 0/5.50M 0/5M	040.73/300K	± 118.01/300K
MP+dmb+svc-R-svc-R.errata.errata MP+dmb+svc-R-svc-eret-R.errata.errata MP+dmb+svc.errata.errata MP+dmb+svc2-R-eret-R.errata.errata	0/22M $0/49.50M$ $0/22.50M$							errata errata errata errata	MP+dmb+svc-R-svc-eret-R-errata.errata MP+dmb+svc-errata.errata MP+dmb+svc2-R-eret-R-errata.errata MP+dmb-data+dmb.errata.errata	0/5M 0/5M 0/5M 0/5M		
MP+dmbs.errata.errata MP+pos.errata.errata MP+svc-W-eret-W+addr.errata.errata MP.BBM1+[dmb.ld]-dsb-tlbiis-[dmb.ld]-dsb-dsb+dsb-isb.errata.errata MP.BBM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb.errata.errata	2.66M/27.50M 0/21.50M 0/500K	48.36K/500K 0.03/500K	$\pm 11.70 \text{K} / 500 \text{K}$ $\pm 0.22 / 500 \text{K}$					errata errata errata	$\begin{array}{c} MP+dmbs.errata.errata\\ MP+po\text{-}data+dmb.errata.errata\\ MP+pos.errata.errata\\ MP+svc\text{-}W\text{-}eret\text{-}W+addr.errata.errata\\ \end{array}$	1.47K/1M 10.28K/6M 1.41K/5M	734.00/500K 857.00/500K 141.10/500K	$\pm 164.00/500K$ $\pm 497.53/500K$ $\pm 366.32/500K$
MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb-errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb-errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb-isb-errata.errata	3/56.50M 4/68M 1/17.50M	0.03/500K 0.03/500K 0.03/500K 0.03/500K 0.14/500K	$\pm 0.22/500K$ $\pm 0.16/500K$ $\pm 0.21/500K$ $\pm 0.17/500K$ $\pm 0.35/500K$					errata MP.B errata errata	BM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb.errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb.errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb+dsb.errata.errata MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb-isb.errata.errata	3/14M 0/14M 1/14M	0.04/500K 0.11/500K 0.04/500K	$\pm 0.19/500K$ $\pm 0.31/500K$ $\pm 0.19/500K$
MP.BBM1.id+dsb-tlbiis-dsb+dsb-isb.errata.errata MP.RT+svc-dsb-tlbi-dsb+dsb-isb.errata.errata MP.RT+svc-dsb-tlbiis-dsb+dsb-isb.errata.errata MP.RT.inv+dmb+addr.errata.errata.errata	23/12M 4/18M 5/19M	0.96/500K 0.11/500K 0.13/500K 6.91K/500K	$\pm 0.20/500K$ $\pm 0.39/500K$ $\pm 0.47/500K$ $\pm 29.74K/500K$					errata errata errata	MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb.errata.errata MP.BBM1.id+dsb-tlbiis-dsb-dsb+dsb-isb.errata.errata MP.RT+svc-dsb-tlbii-dsb+dsb-isb.errata.errata MP.RT+svc-dsb-tlbiis-dsb+dsb-isb.errata.errata	22/14M 0/3M 0/3M	0.11/500K 0.79/500K	$\pm 0.31/500 \text{K}$ $\pm 0.41/500 \text{K}$
MP.RT.inv+dmb+po.errata.errata MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb.errata.errata MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb.errata.errata MP.RT1+dc-dsb-tlbiall-dsb-isb+dsb-isb.errata.errata	0/149.50M 8/47.50M	0.08/500K	$\pm~0.31/500\mathrm{K}$					errata errata errata errata	MP.RT.inv+dmb+addr.errata.errata.errata MP.RT.inv+dmb+po.errata.errata MP.RT1+[dmb.ld]-dmb+dsb-isb.errata.errata MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb.errata.errata MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb.errata.errata	8/3M 23.57K/12.50M 0/12.50M	•	$\pm 1.37/500K$ $\pm 280.44/500K$
MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb.errata.errata MP.RT1+dsb-tlbi-dsb+dsb-isb.errata.errata MP.RT1+dsb-tlbiall-dsb+dsb-isb.errata.errata MP.RT1+dsb-tlbiallis-dsb+dsb-isb.errata.errata	2/18M 11/15M 3/9.50M	0.05/500K 0.06/500K 0.37/500K 0.16/500K	$\pm 0.26/500K$ $\pm 0.23/500K$ $\pm 0.55/500K$ $\pm 0.36/500K$					errata errata errata errata errata	MP.RT1+dc-dsb-tlbiall-dsb-isb+dsb-isb.errata.errata MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb.errata.errata MP.RT1+dsb-tlbi-dsb+dsb-isb.errata.errata	0/12.50M 0/12.50M 2/12.50M 2/12.50M 1/12.50M	0.24/500K 0.08/500K 0.08/500K 0.04/500K	$\pm 0.43/500K$ $\pm 0.27/500K$ $\pm 0.27/500K$ $\pm 0.20/500K$
MP.RT1+dsb-tlbiis-dsb+dsb-isb.errata.errata MP.RT1+dsb-tlbiis-dsb-isb+dmb.errata.errata MP.RT1+dsb-tlbiis-dsb-isb+dsb-isb.errata.errata MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb-isb.errata.errata	0/3.50M 2/14M 6/15M	0.08/500K 0.07/500K 0.20/500K	$\pm 0.34/500K$ $\pm 0.37/500K$ $\pm 0.48/500K$					errata errata errata errata	MP.RT1+dsb-tlbiallis-dsb+dsb-isb.errata.errata MP.RT1+dsb-tlbiis-dsb+dsb-isb.errata.errata MP.RT1+dsb-tlbiis-dsb-isb+dmb.errata.errata	1/12.50M 1/12.50M 3/12.50M 2/12.50M	0.04/500K 0.04/500K 0.12/500K 0.08/500K	$\pm 0.20/500K$ $\pm 0.20/500K$ $\pm 0.32/500K$ $\pm 0.39/500K$
MP.invRT+dsb+dsb-isb.errata.errata MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb.errata.errata MP.invRT1+dsb-tlbiis-dsb+dsb-isb.errata.errata MP.invRT1+dsb-tlbiis-dsb+dsb.errata.errata SB+W-svc-R+W-svc-R.errata.errata	3/63.50M 13/110.50M 4/49.50M	71.33K/500K 0.02/500K 0.06/500K 0.04/500K	$\pm 18.06 \text{K} / 500 \text{K}$ $\pm 0.15 / 500 \text{K}$ $\pm 0.29 / 500 \text{K}$ $\pm 0.20 / 500 \text{K}$	<b>Type</b> data data data	Name To MP+dmbs 0/MP+pos 0/SB+dmbs 0/	/3.50M /3.50M		errata errata errata	MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb.errata.errata MP.TT+Winv-dmb-Winv+tpo.errata.errata MP.TT+dmb+dsb-isb.errata.errata MP.TT+dmb+tpo.errata.errata	164.27K/2.50M 242.45K/2.50M 342.87K/2.50M	48.49 K/500 K	$\begin{array}{l} \pm \ 0.32/500\mathrm{K} \\ \pm \ 20.33\mathrm{K}/500\mathrm{K} \\ \pm \ 8.81\mathrm{K}/500\mathrm{K} \\ \pm \ 14.08\mathrm{K}/500\mathrm{K} \end{array}$
SB+dmbs.errata.errata SB+pos.errata.errata SB+svc-erets.errata.errata SB.broken+W-svc-R+W-svc-R.errata.errata	0/27M 5.17M/26.50M 564/32.50M	97.53K/500K 8.68/500K 5.00/500K	$\pm 20.43 \text{K} / 500 \text{K}$ $\pm 18.72 / 500 \text{K}$ $\pm 5.00 / 500 \text{K}$	data data data exc	SB+pos 0/ SB+pos 0/ WRC+addrs 0/ WRC+pos 0/ MP+dmb+eret 0/	/3.50M /3.50M /3.50M		errata errata errata	MP.TT.inv+dmb+dsb-isb.errata.errata.errata MP.TT.inv+dmb+tpo.errata.errata MP.alias+dmbs.errata.errata MP.alias2+dmb-data+dmb.errata.errata	0/2.50M 0/1M 0/1M	0.0017 /20017	1 0017 /2007
$WRC+addrs.errata.errata\\WRC+pos.errata.errata\\WRC.AT+ctrl+dsb.errata.errata\\WRC.TRR+addr+dmb.errata.errata$	177.30K/23.50M 455.28K/19.50M	3.77K/500K 11.67K/500K	$\pm 1.11 \text{K} / 500 \text{K} $ $\pm 4.16 \text{K} / 500 \text{K}$	exc pgtable pgtable pgtable	MP+dmb+svc 0/ CoTR 2/ CoTR+addr 2/ CoTR+dmb 5/	$/3.50M$ 0.29/500K $\pm$ 0 /3M 0.33/500K $\pm$ 0	0.45/500K 0.47/500K 0.69/500K	errata errata errata errata	MP.alias2+po-data+dmb.errata.errata MP.invRT+dsb+dsb-isb.errata.errata MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb.errata.errata MP.invRT1+dsb-tlbiis-dsb+dsb-isb.errata.errata MP.invRT1+dsb-tlbiis-dsb+dsb.errata.errata	131.52K/2.50M 0/2.50M 0/2.50M	2.09K/500K 26.30K/500K	$\pm 1.82 \text{K} / 500 \text{K}$ $\pm 17.15 \text{K} / 500 \text{K}$
WRC.TRR.inv+addrs.errata.errata WRC.TRT+addr+dmb.errata.errata WRC.TRT+dmbs.errata.errata WRC.TRT+dsb-isbs.errata.errata	158.44K/18M 138.48K/18M 117.47K/18M	4.40K/500K 3.85K/500K 3.26K/500K	$\pm 2.70 \text{K} / 500 \text{K}$ $\pm 1.88 \text{K} / 500 \text{K}$ $\pm 1.97 \text{K} / 500 \text{K}$	pgtable pgtable pgtable pgtable	CoTR+dsb 1/ CoTR+dsb-isb 2/ CoTR.inv 0/ CoTR.inv+dsb-isb 0/	$/3M$ 0.33 $/500K$ $\pm$ 0 $/3.50M$ $/3.50M$	0.37/500K 0.47/500K	errata errata errata errata errata	SB+W-svc-R+W-svc-R.errata.errata SB+dmbs.errata.errata SB+pos.errata.errata SB+svc-erets.errata.errata	45.94K/5M 0/6M 501.87K/6M	4.59K/500K 41.82K/500K 3.92K/500K	$\pm 2.56 \text{K} / 500 \text{K}$ $\pm 14.68 \text{K} / 500 \text{K}$ $\pm 2.43 \text{K} / 500 \text{K}$
WRC.TRT.inv+addrs.errata.errata WRC.TRT.inv+dsb-isbs.errata.errata WRC.TRT.inv+po+addr.errata.errata WRC.TRT.inv+po+dmb.errata.errata	0/18M 0/18M 0/17.50M			pgtable pgtable pgtable pgtable	CoWT+dsb-isb = 0	/3.50M /3.50M /3.50M	0.69/500K	errata errata errata errata	SB-lates-dmbs.errata.errata WRC+addrs.errata.errata WRC+pos.errata.errata WRC.AT+ctrl+dsb.errata.errata	0/1M 0/6M 9/6M	0.75/500K	$\pm 0.92/500K$ $\pm 2.64K/500K$
WRC.TRT1+dsb-tlbiis-dsb+dmb.errata.errata WRC.TRT1+dsb-tlbiis-dsb+dsb-isb.errata.errata WRC.TRT1.broken+dsb-tlbiis-dsb+dmb.errata.errata check1.errata	0/155M 0/55.50M 0/5.50M			$\begin{array}{c} \text{pgtable} \\ \text{pgtable} \\ \text{qemu} \\ \end{array}$	CoWT+dsb-svc-tlbi-dsb 0/ CoWT.inv 0/ CoWT.inv+dsb 0/ CoWT.inv+dsb-isb 0/ CoWT1+dsb-tlbi-dsb 0/	/3.50M /3.50M /3M	rpi3bp	errata errata errata	WRC.TRR+addr+dmb.errata.errata WRC.TRR.inv+addrs.errata.errata WRC.TRT+addr+dmb.errata.errata WRC.TRT+dmbs.errata.errata	0/2.50M 68.17K/2.50M 53.80K/2.50M	,	$\pm 8.35 \text{K}/500 \text{K} $ $\pm 3.52 \text{K}/500 \text{K}$
check1.errata.errata check2.errata check2.errata check3.errata.errata check4.errata.errata	0/5.50M 0/12.50M 414.08K/12.50M	16.56K/500K	$\pm~45.46\mathrm{K}/500\mathrm{K}$	pgtable pgtable pgtable pgtable	CoWinvT 0/ CoWinvT1+dsb-tlbi-dsb 0/	/3.50M /3.50M /3M		errata errata errata	WRC.TRT+dsb-isbs.errata.errata WRC.TRT.inv+addrs.errata.errata WRC.TRT.inv+dsb-isbs.errata.errata WRC.TRT.inv+po+addr.errata.errata	0/2.50M 0/2.50M 0/2.50M	9.20 K / 500 K	$\pm$ 3.54K/500K
$\begin{array}{c} check 5. errata. errata \\ check 5. errata. errata \\ check 6. errata. errata \\ LB+R-svc-W+R-svc-W \end{array}$	3.50M/6M 0/12.50M 0/4.50M	291.67K/500K	$\pm\ 246.50{\rm K}/500{\rm K}$	pgtable pgtable pgtable pgtable	MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb 0/ MP.RT1+dsb-tlbi-dsb+dsb-isb 0/	/3M /2.50M /3M		errata errata errata errata errata	WRC.TRT.inv+po+dmb.errata.errata WRC.TRT1+dsb-tlbiis-dsb+dmb.errata.errata WRC.TRT1+dsb-tlbiis-dsb+dsb-isb.errata.errata check1.errata.errata check2.errata.errata	0/2.50M 0/2.50M 0/6M		
MP+W-svc-W+addr MP+dmb+R-svc-eret-R MP+dmb+eret MP+dmb+svc	0/4.50M 0/5M 0/5M			pgtable pgtable pgtable pgtable	MP.RT1+dsb-tlbiis-dsb+dsb-isb 0/ MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb 0/ WRC.AT+ctrl+dsb 0/	/3.50M /3.50M /3.50M		errata errata errata errata	check3.errata.errata check4.errata.errata check5.errata.errata check5.errata.errata	0/6M 0/6M 0/2M		
MP+dmb+svc-R-eret-svc-R MP+dmb+svc-R-svc-R MP+dmb+svc-R-svc-eret-R MP+dmb+svc2-R-eret-R MP+svc-W-eret-W+addr	0/5M 0/5M 0/5M			pgtable pgtable pgtable pgtable pgtable	WRC.TRR+addr+dmb 0/ WRC.TRR.inv+addrs 0/ WRC.TRT+addr+dmb 0/ WRC.TRT+dmbs 0/ WRC.TRT+dsb-isbs 0/	/3M /3M /3M		errata exc exc exc	$\begin{array}{c} check 6.errata.errata \\ LB+R-svc-W+R-svc-W \\ MP+W-svc-W+addr \\ MP+dmb+R-svc-eret-R \end{array}$	0/500K 33/500K 0/500K	33.00/500K	$\pm~0.00/500\mathrm{K}$
SB+W-svc-R+W-svc-R SB+svc-erets	0/5M 34/5M 588.89K/5M	,	$\pm 4.43/500K$ $\pm 13.19K/500K$ $\pm 9.75K/500K$	pgtable pgtable pgtable pgtable	WRC.TRT.inv+dsb-isbs 0/ WRC.TRT.inv+po+addr 0/ WRC.TRT.inv+po+dmb 0/ WRC.TRT1+dsb-tlbiis-dsb+dmb 0/	/3M /3M /3M		exc exc exc	MP+dmb+eret MP+dmb+svc MP+dmb+svc-R-eret-svc-R MP+dmb+svc-R-svc-R	0/500K 0/500K 0/500K		
$ \begin{array}{c} {\rm CoTR+addr} \\ {\rm CoTR+dmb} \\ {\rm CoTR+dsb} \end{array} $	1/5M 2/5M	0.10/500K 0.20/500K	$\pm 21.67 \text{K} / 500 \text{K}$ $\pm 0.30 / 500 \text{K}$ $\pm 0.40 / 500 \text{K}$					exc exc exc exc	MP+dmb+svc-R-svc-eret-R MP+dmb+svc2-R-eret-R MP+svc-W-eret-W+addr SB+W-svc-R+W-svc-R SB+svc-erets	0/500K 3/500K 4.88K/500K	3.00/500K 4.88K/500K 5.37K/500K	$\pm 0.00/500K$ $\pm 0.00/500K$ $\pm 0.00/500K$
CoTR+dsb-isb CoTR.inv CoTR.inv+dsb-isb CoTR1+dsb-dc-dsb-tlbi-dsb-isb	2.67M/5M 0/5M 2/5M	$0.20/500 { m K}$	$\pm 0.30/500K$ $\pm 65.29K/500K$ $\pm 0.40/500K$					pgtable pgtable pgtable pgtable		114.28K/500K 64.59K/500K 0/500K	114.28K/500K 64.59K/500K	$\pm 0.00/500K$ $\pm 0.00/500K$ $\pm 0.00/500K$ $\pm 0.00/500K$
	6/5M 0/5M 2.81M/5M	,	$\pm 0.40/500K$ $\pm 1.02/500K$ $\pm 10.73K/500K$					pgtable pgtable pgtable pgtable	CoTR+dmb CoTR+dsb CoTR+dsb-isb CoTR.inv	0/500K 0/500K 0/500K	1100/ 00011	± 0.007 00011
CoWT+dsb CoWT+dsb-isb CoWT+dsb-svc-tlbi-dsb CoWT.inv CoWT.inv+dmb	2.81M/5M 0/5M 6/5M	,	$\pm 9.16 \text{K} / 500 \text{K}$ $\pm 7.54 \text{K} / 500 \text{K}$ $\pm 1.20 / 500 \text{K}$ $\pm 0.67 / 500 \text{K}$					pgtable pgtable pgtable pgtable	CoTR.inv+dsb-isb CoTR1+dsb-dc-dsb-tlbi-dsb-isb CoTR1+dsb-tlbi-dsb-isb CoTR1.tlbi+dsb-isb	0/500K 0/500K 0/500K	1.00/500K	$\pm~0.00/500\mathrm{K}$
CoWT.inv+dsb CoWT.inv+dsb-isb CoWT1+dsb-tlbi-dsb CoWT1+dsb-tlbi-dsb-isb	1/5M 0/5M 0/5M	0.10/500K	$\pm 0.30/500 \text{K}$					pgtable pgtable pgtable pgtable	$\begin{array}{c} { m CoWT+dsb} \\ { m CoWT+dsb-isb} \end{array}$	369.12K/500K 248.71K/500K 249.23K/500K	369.12K/500K 248.71K/500K 249.23K/500K	$\pm~0.00/500\mathrm{K}$
CoWinvT+dsb-isb CoWinvT1+dsb-tlbi-dsb CoWinvWT1+dsb-tlbi-dsb-dsb-isb	0/5M 0/5M	,	$\pm 8.75 \text{K} / 500 \text{K}  \pm 11.77 \text{K} / 500 \text{K}$					pgtable pgtable pgtable pgtable pgtable	CoWT+dsb-svc-tlbi-dsb CoWT.inv CoWT.inv+dmb CoWT.inv+dsb CoWT.inv+dsb-isb	305.08K/500K 45.59K/500K 0/500K	305.08K/500K 45.59K/500K	,
ISA2.TRR+dmb+po+dmb MP.BBM1+[dmb.ld]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb MP.BBM1+[dmb.ld]-tlbiis-dsb-isb-dsb-isb+dsb-isb MP.BBM1+[po]-dsb-tlbiis-dsb-isb-dsb-isb+dsb-isb	0/107M 0/197M 0/107M							pgtable pgtable pgtable pgtable pgtable	${ m CoWT1+dsb-tlbi-dsb}$ ${ m CoWT1+dsb-tlbi-dsb-isb}$	0/500K 0/500K 293.49K/500K	293.49K/500K 336.81K/500K	,
MP.BBM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb MP.BBM1+dsb-tlbiis-dsb-dsb+dsb MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb-isb	1/5M 0/5M 1/5M	0.10/500K 0.10/500K 0.20/500K	$\pm 0.30/500 K$ $\pm 0.30/500 K$ $\pm 0.40/500 K$					pgtable pgtable pgtable pgtable	$ \begin{array}{c} {\rm CoWinvT1+dsb-tlbi-dsb} \\ {\rm CoWinvWT1+dsb-tlbi-dsb-isb} \\ {\rm ISA2.TRR+dmb+po+dmb} \\ {\rm MP.BBM1+[dmb.ld]-tlbiis-dsb-isb-dsb-isb+dsb-isb} \end{array}$	0/500K 0/500K 0/1.06G	,	,
MP.RT+svc-dsb-tlbiis-dsb+dsb-isb MP.RT+svc-dsb-tlbiis-dsb+dsb-isb MP.RT+svc-dsb-tlbiis-dsb+dsb-isb MP.RT.inv+dmb+addr	9/5M 1/5M 1/5M	0.90/500K 0.10/500K 0.10/500K	$\pm 0.30/500K$ $\pm 0.30/500K$ $\pm 0.30/500K$ $\pm 0.30/500K$					pgtable pgtable pgtable pgtable	MP.BBM1+dsb-isb-tlbiis-dsb-isb-dsb-isb+dsb-isb MP.BBM1+dsb-tlbiis-dsb-dsb+dsb MP.BBM1+dsb-tlbiis-dsb-dsb+dsb-isb MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb	0/500K 0/500K 0/500K		
MP.RT.inv+dmb+po MP.RT1+[dmb.ld]-dmb+dsb-isb MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb	0/5M 7.14K/5M 0/5M	714.50/500K 0.40/500K	$\pm 129.06/500K$ $\pm 0.49/500K$					pgtable pgtable pgtable pgtable pgtable	MP.BBM1+dsb-tlbiis-dsb-dsb-isb+dsb-isb MP.BBM1.id+dsb-tlbiis-dsb-dsb+dsb-isb MP.RT+svc-dsb-tlbi-dsb+dsb-isb MP.RT+svc-dsb-tlbiis-dsb+dsb-isb MP.RT.inv+dmb+addr	0/500K 0/500K 0/500K		
MP.RT1+dc-dsb-tlbiall-dsb-isb+dsb-isb MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb MP.RT1+dsb-tlbi-dsb+dsb-isb MP.RT1+dsb-tlbi-dsb+dsb-isb	0/5M 0/5M 5/5M	0.30/500K 0.50/500K	$\pm 0.46/500K$ $\pm 0.50/500K$					pgtable pgtable pgtable pgtable	MP.RT.inv+dmb+po MP.RT1+[dmb.ld]-dmb+dsb-isb MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb	0/500K 986/500K 0/500K	986.00/500K 1.00/500K	$\pm 0.00/500 \text{K}$ $\pm 0.00/500 \text{K}$
MP.RT1+dsb-tlbiallis-dsb+dsb-isb MP.RT1+dsb-tlbiis-dsb-isb+dmb MP.RT1+dsb-tlbiis-dsb-isb+dmb MP.RT1+dsb-tlbiis-dsb-isb+dsb-isb	1/5M 0/5M 0/5M	0.30/500K 0.10/500K	$\pm 0.64/500K$ $\pm 0.30/500K$					pgtable pgtable pgtable pgtable	MP.RT1+dc-dsb-tlbiall-dsb-isb+dsb-isb MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb MP.RT1+dsb-tlbi-dsb+dsb-isb MP.RT1+dsb-tlbiall-dsb+dsb-isb	0/500K 0/500K 0/500K	1.00, 00011	= 0.00,0001
MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb MP.TT+Winv-dmb-Winv+tpo MP.TT+dmb+dsb-isb MP.TT+dmb+tpo MP.TT.inv+dmb+dsb-isb	193.79K/5M 529.09K/4.50M 709.98K/4.50M	58.79 K / 500 K	$\pm 7.02 \text{K} / 500 \text{K}  \pm 12.70 \text{K} / 500 \text{K}  \pm 12.86 \text{K} / 500 \text{K}$					pgtable pgtable pgtable pgtable	$\begin{array}{c} \mathrm{MP.RT1+dsb-tlbiallis-dsb+dsb-isb} \\ \mathrm{MP.RT1+dsb-tlbiis-dsb+dsb-isb} \\ \mathrm{MP.RT1+dsb-tlbiis-dsb-isb+dmb} \\ \mathrm{MP.RT1+dsb-tlbiis-dsb-isb+dsb-isb} \end{array}$	0/500K 0/500K 0/500K		
MP.TT.inv+dmb+tpo MP.invRT+dsb+dsb-isb MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb MP.invRT1+dsb-tlbiis-dsb+dsb	0/4.50M 570.59K/4M 0/4.50M	71.32K/500K	$\pm~11.52\mathrm{K}/500\mathrm{K}$					pgtable pgtable pgtable pgtable	MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb MP.TT+Winv-dmb-Winv+tpo MP.TT+dmb+dsb-isb MP.TT+dmb+tpo	57.63K/500K 59.96K/500K 58.59K/500K	57.63K/500K 59.96K/500K 58.59K/500K	$\pm 0.00/500 K$
$ \begin{aligned} \text{MP.invRT1+dsb-tlbiis-dsb+dsb-isb} \\ \text{WRC.AT+ctrl+dsb} \\ \text{WRC.TRR+addr+dmb} \\ \text{WRC.TRR.inv+addrs} \end{aligned} $	1/3.50M 107.79K/3.50M 0/3.50M 0/3.50M	,	$\pm~2.85\mathrm{K}/500\mathrm{K}$					pgtable pgtable pgtable pgtable pgtable	MP.TT.inv+dmb+dsb-isb MP.TT.inv+dmb+tpo MP.invRT+dsb+dsb-isb MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb MP.invRT1+dsb-tlbiis-dsb+dsb	0/500K 20.27K/500K 0/500K	20.27K/500K	$\pm~0.00/500\mathrm{K}$
WRC.TRT+addr+dmb WRC.TRT+dmbs WRC.TRT+dsb-isbs WRC.TRT.inv+addrs WRC.TRT.inv+dsb-isbs	26.13K/3.50M 14.43K/3.50M 0/3M	4.18K/500K 3.73K/500K 2.06K/500K	$\pm 970.04/500K$ $\pm 1.47K/500K$ $\pm 994.53/500K$					pgtable pgtable pgtable pgtable	$ \begin{array}{c} \mathrm{MP.invRT1+dsb-tlbiis-dsb+dsb-isb} \\ \mathrm{WRC.AT+ctrl+dsb} \\ \mathrm{WRC.TRR+addr+dmb} \\ \mathrm{WRC.TRR.inv+addrs} \end{array} $	0/500K 19.30K/500K 0/500K 0/500K	19.30K/500K	,
WRC.TRT.inv+dsb-isbs  WRC.TRT.inv+po+addr  WRC.TRT.inv+po+dmb  WRC.TRT1+dsb-tlbiis-dsb+dmb  WRC.TRT1+dsb-tlbiis-dsb+dsb-isb	0/3M 0/3M 0/3.50M							pgtable pgtable pgtable pgtable	$ \begin{array}{c} WRC.TRT + addr + dmb \\ WRC.TRT + dmbs \\ WRC.TRT + dsb-isbs \\ WRC.TRT.inv + addrs \end{array} $	17.92K/500K 22.64K/500K 11.79K/500K 0/500K	17.92K/500K 22.64K/500K 11.79K/500K	$\pm 0.00/500 K$
CoWR.alias  MP+dmb-data+dmb  MP.alias+dmbs  MP.alias2+dmb-data+dmb	0/6M 0/5M 0/5M							aliasing aliasing aliasing aliasing	CoWR.alias MP+dmb-data+dmb MP.alias+dmbs MP.alias2+dmb-data+dmb	0/1.50M 0/1.50M 0/1.50M		
MP.alias2+dmbs MP.alias2+po-data+dmb MP.alias3+rfi-data+dmb SB.alias+dmbs	0/3M 2.23K/5M 51/3M 0/5M	,	$\pm 44.19/500 \mathrm{K}  \pm 2.36/500 \mathrm{K}$					aliasing aliasing aliasing aliasing	MP.alias2+dmbs MP.alias2+po-data+dmb MP.alias3+rfi-data+dmb SB.alias+dmbs WRC alias2+addrs	3.17K/1.50M 16/1.50M 0/1M	'	$\pm 107.89/500K$ $\pm 2.05/500K$
WRC.alias2+addrs WRC.alias2+dmbs	0/4M		_					aliasing aliasing	WRC.alias2+addrs WRC.alias2+dmbs	,		

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m K}$ MP.RT.inv+dmb+addr = 0/31.50MMP.RT.inv+dmb+po 0/31.50MMP.RT1+[dmb.ld]-dmb+dsb-isb 1.26K/31.50M 19.98/500K  $\pm 35.96/500$ K pgtable MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dmb 0/12.50M pgtable MP.RT1+[dmb.ld]-dsb-isb-tlbiis-dsb-isb+dsb-isb 0/12.50M MP.RT1+[dmb.ld]-dsb-tlbiis-dsb-isb+dmb 0/31.50M MP.RT1+dc-dsb-tlbiall-dsb+dsb-isb 5/31.50M  $\pm 0.27/500 K$ 0.08/500 KMP.RT1+dc-dsb-tlbiall-dsb-isb+dsb-isb 2/31.50M 0.03/500 K $\pm 0.18/500 K$ MP.RT1+dsb-isb-tlbiis-dsb-isb+dsb-isb 4/31M  $\pm 0.25/500 K$  $0.06/500 {
m K}$ MP.RT1+dsb-tlbi-dsb+dsb-isb 2/31M 0.03/500 K $\pm 0.18/500 K$ MP.RT1+dsb-tlbiall-dsb+dsb-isb 6/31M 0.10/500 K $\pm 0.30/500 K$ MP.RT1+dsb-tlbiallis-dsb+dsb-isb 2/31M 0.03/500 K $\pm 0.18/500 K$ MP.RT1+dsb-tlbiis-dsb+dsb-isb 1/31M  $0.02/500 {
m K}$  $\pm 0.13/500 K$ MP.RT1+dsb-tlbiis-dsb-isb+dmb 1/31M 0.02/500 K $\pm 0.13/500 K$ MP.RT1+dsb-tlbiis-dsb-isb+dsb-isb 1/31M 0.02/500 K $\pm 0.13/500 K$ MP.RT1+dsb-tlbiis-dsb-tlbiis-dsb+dsb-isb 3/31M pgtable 0.05/500 K $\pm 0.21/500 K$ pgtable MP.TT+Winv-dmb-Winv+tpo 67.38K/31M  $\pm 926.88/500 \mathrm{K}$ 1.09 K/500 KMP.TT+dmb+dsb-isb 398.74K/31M  $\pm 7.43 K/500 K$ pgtable 6.43 K/500 K $\pm 5.93 \text{K} / 500 \text{K}$ MP.TT+dmb+tpo 386.32K/31M6.23 K/500 Kpgtable MP.TT.inv+dmb+dsb-isb = 0/31Mpgtable MP.TT.inv+dmb+tpo 0/31Mpgtable MP.invRT+dsb+dsb-isb 705.96K/30.50M 11.57K/500K  $\pm 5.91K/500K$ MP.invRT1+dsb-isb-tlbiis-dsb-isb+dsb-isb 1/31M pgtable  $\pm 0.13/500 K$  $0.02/500 {
m K}$ pgtable MP.invRT1+dsb-tlbiis-dsb+dsb 2/31M  $0.03/500 {
m K}$  $\pm 0.18/500 K$ pgtable MP.invRT1+dsb-tlbiis-dsb+dsb-isb 1/31M 0.02/500 K $\pm 0.13/500 \text{K}$ pgtable WRC.AT+ctrl+dsb = 183.32K/30.50M = 3.01K/500K $\pm 3.13 K/500 K$ WRC.TRR+addr+dmb 0/30.50MWRC.TRR.inv+addrs 0/30.50M WRC.TRT+addr+dmb 57.00K/30.50M 934.38/500K  $\pm 416.32/500K$ WRC.TRT+dmbs 74.68K/30.50M 1.22K/500K  $\pm 444.60/500K$ WRC.TRT+dsb-isbs 72.31K/30.50M 1.19K/500K  $\pm 435.00/500K$ WRC.TRT.inv+addrs 0/29.50MWRC.TRT.inv+dsb-isbs 0/29MWRC.TRT.inv+po+addr 0/28.50M pgtable pgtable WRC.TRT.inv+po+dmb 0/28MWRC.TRT1+dsb-tlbiis-dsb+dmb 0/29M pgtable WRC.TRT1+dsb-tlbiis-dsb+dsb-isb 0/29M pgtable CoWR.alias 0/36M MP+dmb-data+dmb = 0/36MMP.alias+dmbs 0/36MMP.alias2+dmb-data+dmb 0/36M aliasing MP.alias2+dmbs 0/19.50MMP.alias2+po-data+dmb 407.36K/36M 5.66 K / 500 K  $\pm 1.83 \text{K} / 500 \text{K}$ aliasing MP.alias3+rfi-data+dmb  $36.35 \text{K}/19.50 \text{M} = 932.18/500 \text{K} \pm 337.68/500 \text{K}$ aliasing SB.alias+dmbs 0/35.50Maliasing WRC.alias2+addrs = 0/19MWRC.alias2+dmbs 0/18.50M