

		IrrShape	Half	Latency	ResAlloc	OpenBLAS
MNIST		Time (ms)	Time (ms)	Time (ms)	Time (ms)	Time (ms)
avg fw		567.105	588.082	456.306	463.133	577.453
avg bw		893.551	925.128	700.1	721.521	892.443
avg fw-bw		1460.9	1513.46	1156.66	1184.92	1470.14
mnist	forward:	0.6379	0.74858	0.65728	0.66402	0.73992
mnist	backward:	0.00382	0.00368	0.0041	0.00426	0.00396
conv1	forward:	82.1427	83.5672	70.0164	71.4867	84.2427
conv1	backward:	71.8496	71.3425	60.4915	60.5835	71.5036
pool1	forward:	39.2125	39.1425	39.3205	39.2049	39.1716
pool1	backward:	19.4461	19.1329	18.7064	18.8129	19.1824
conv2	forward:	328.47	352.57	249.294	254.82	344.042
conv2	backward:	622.903	649.87	483.504	501.371	627.029
pool2	forward:	16.4577	16.4013	16.4905	16.5062	16.5277
pool2	backward:	9.93022	9.83388	9.58154	9.55594	9.88252
ip1	forward:	97.5931	93.0654	78.1103	78.0357	90.2199
ip1	backward:	165.487	170.657	124.497	127.782	160.885
relu1	forward:	0.87482	0.87578	0.85868	0.85458	0.85834
relu1	backward:	1.4372	1.43284	1.35666	1.41778	1.42318
ip2	forward:	1.1313	1.14832	0.9504	0.95464	1.05204
ip2	backward:	2.41664	2.78364	1.86154	1.89474	2.45312
loss	forward:	0.50968	0.5038	0.5171	0.51792	0.52312
loss	backward:	0.02338	0.02402	0.02384	0.024	0.02416
Loss		0.0418068	0.0418068	0.0418068	0.041807	0.0418068
accuracy		0.9862	0.9862	0.9862	0.9862	0.9862