Test Results Summary

Successful Test Cases

out_channels	kernel_size	stride	padding	output_sum_diff	nnz_cpp_result	nnz_torch_eval	n	
16	1	1	0	2.514570951461792e-08	2768	2768		
16	1	1	1	4.936009645462036e-08	2048	2048		
16	2	1	0	1.1548399925231934e-07	9280	9280		
16	2	1	1	-1.4528632164001465e-07	8496	8496		
16	3	1	0	3.4458935260772705e-08	18064	18064		
16	3	1	1	1.8998980522155762e-07	18400	18400		
32	1	1	0	-1.210719347000122e-08	4224	4224		
32	1	1	1	-6.658956408500671e-08	3712	3712		
32	2	1	0	-3.91155481338501e-08	16896	16896		
32	2	1	1	-1.1175870895385742e-08	18560	18560		
32	3	1	0	-2.8312206268310547e-07	35936	35936		
32	3	1	1	1.1548399925231934e-07	36608	36608		
16	1	1	0	-1.7881393432617188e-07	63152	63152		
16	1	1	1	-3.725290298461914e-08	62864	62864		
16	2	1	0	-2.2351741790771484e-07	173344	173344		
16	2	1	1	-1.3783574104309082e-06	183440	183440		
16	3	1	0	-2.384185791015625e-07	228432	228432		
16	3	1	1	-5.066394805908203e-07	248928	248928		
32	1	1	0	-2.8312206268310547e-07	127360	127360		
32	1	1	1	2.5331974029541016e-07	128352	128352		
32	2	1	0	1.8998980522155762e-07	349184	349184		
32	2	1	1	-2.2351741790771484e-07	368672	368672		
32	3	1	0	1.4901161193847656e-06	463968	463968		
32	3	1	1	-2.9802322387695312e-08	501120	501120		
16	1	1	0	1.825392246246338e-07	23376	23376		
16	1	1	1	2.384185791015625e-07	22288	22288		
16	2	1	0	-1.9371509552001953e-07	82272	82272		
16	2	1	1	-2.421438694000244e-07	84672	84672		
16	3	1	0	6.109476089477539e-07	183120	183120		
	16 16 16 16 16 16 16 16 32 32 32 32 32 32 16 16 16 16 16 16 16 16 16 16 16 16 16	16 1 16 1 16 2 16 2 16 3 16 3 32 1 32 2 32 2 32 3 32 3 16 1 16 2 16 3 32 1 32 1 32 1 32 1 32 2 32 2 32 3 16 1 16 1 16 1 16 1 16 2 32 3 32 3 32 3 32 3 32 3 32 3 32 3 32 3 32 3 32 3 32 3 33 <td< td=""><td>16 1 1 16 1 1 16 2 1 16 2 1 16 3 1 16 3 1 32 1 1 32 1 1 32 2 1 32 3 1 32 3 1 32 3 1 16 1 1 16 2 1 16 3 1 16 3 1 32 1 1 32 1 1 32 1 1 32 1 1 32 1 1 32 2 1 32 1 1 32 2 1 32 3 1 32 3 1 32 3 1 32 3 1 32 3</td><td>16 1 1 0 16 1 1 1 16 2 1 0 16 2 1 1 16 3 1 0 16 3 1 1 32 1 1 0 32 1 1 1 32 2 1 1 32 2 1 1 32 3 1 0 32 3 1 1 16 1 1 0 16 1 1 1 16 2 1 1 16 3 1 1 32 1 1 0 32 1 1 0 32 1 1 0 32 1 1 0 32 1 1 0 32 2 1 1 32 3 1 0</td><td>16 1 1 0 2.514570951461792e-08 16 1 1 1 4.936009645462036e-08 16 2 1 0 1.1548399925231934e-07 16 2 1 1 -1.4528632164001465e-07 16 3 1 0 3.4458935260772705e-08 16 3 1 1 1.8998980522155762e-07 32 1 1 0 -1.210719347000122e-08 32 1 1 0 -3.91155481338501e-08 32 2 1 0 -3.91155481338501e-08 32 3 1 0 -2.8312206268310547e-07 32 3 1 1 1.548399925231934e-07 <tr< td=""><td>16 1 1 0 2.514570951461792e-08 2768 16 1 1 1 4.936009645462036e-08 2048 16 2 1 0 1.1548399925231934e-07 9280 16 2 1 1 -1.4528632164001465e-07 8496 16 3 1 0 3.4458935260772705e-08 18064 16 3 1 1 1.899890522155762e-07 18400 32 1 1 0 -1.210719347000122e-08 4224 32 1 1 1 -6.658956408500671e-08 3712 32 1 1 1 -6.658956408500671e-08 3712 32 2 1 1 -1.1175870895385742e-08 166896 32 2 1 1 -1.1175870895385742e-07 35936 32 3 1 1 1.1548399925231934e-07 36608 32 3 1 1 1.1548399925231934e-07 3660</td><td>16 1 1 0 2.514570951461792e-08 2768 2768 16 1 1 1 4.936009645462036e-08 2048 2048 16 2 1 0 1.15483999925231934e-07 9280 9280 16 2 1 1 1.44528632164001465e-07 8496 8496 16 3 1 0 3.4458935260772705e-08 18064 18064 16 3 1 1 1.8998980522155762e-07 18400 18400 32 1 1 0 -1.210719347000122e-08 4224 4224 32 1 1 1 -6.658956408500671e-08 3712 3712 32 2 1 0 -3.91155481338501e-08 16896 16896 32 2 1 1 -1.178780895385742e-08 18560 18560 32 3 1 1 1.154399925231934e-07 35608 36608 32 3</td></tr<></td></td<>	16 1 1 16 1 1 16 2 1 16 2 1 16 3 1 16 3 1 32 1 1 32 1 1 32 2 1 32 3 1 32 3 1 32 3 1 16 1 1 16 2 1 16 3 1 16 3 1 32 1 1 32 1 1 32 1 1 32 1 1 32 1 1 32 2 1 32 1 1 32 2 1 32 3 1 32 3 1 32 3 1 32 3 1 32 3	16 1 1 0 16 1 1 1 16 2 1 0 16 2 1 1 16 3 1 0 16 3 1 1 32 1 1 0 32 1 1 1 32 2 1 1 32 2 1 1 32 3 1 0 32 3 1 1 16 1 1 0 16 1 1 1 16 2 1 1 16 3 1 1 32 1 1 0 32 1 1 0 32 1 1 0 32 1 1 0 32 1 1 0 32 2 1 1 32 3 1 0	16 1 1 0 2.514570951461792e-08 16 1 1 1 4.936009645462036e-08 16 2 1 0 1.1548399925231934e-07 16 2 1 1 -1.4528632164001465e-07 16 3 1 0 3.4458935260772705e-08 16 3 1 1 1.8998980522155762e-07 32 1 1 0 -1.210719347000122e-08 32 1 1 0 -3.91155481338501e-08 32 2 1 0 -3.91155481338501e-08 32 3 1 0 -2.8312206268310547e-07 32 3 1 1 1.548399925231934e-07 <tr< td=""><td>16 1 1 0 2.514570951461792e-08 2768 16 1 1 1 4.936009645462036e-08 2048 16 2 1 0 1.1548399925231934e-07 9280 16 2 1 1 -1.4528632164001465e-07 8496 16 3 1 0 3.4458935260772705e-08 18064 16 3 1 1 1.899890522155762e-07 18400 32 1 1 0 -1.210719347000122e-08 4224 32 1 1 1 -6.658956408500671e-08 3712 32 1 1 1 -6.658956408500671e-08 3712 32 2 1 1 -1.1175870895385742e-08 166896 32 2 1 1 -1.1175870895385742e-07 35936 32 3 1 1 1.1548399925231934e-07 36608 32 3 1 1 1.1548399925231934e-07 3660</td><td>16 1 1 0 2.514570951461792e-08 2768 2768 16 1 1 1 4.936009645462036e-08 2048 2048 16 2 1 0 1.15483999925231934e-07 9280 9280 16 2 1 1 1.44528632164001465e-07 8496 8496 16 3 1 0 3.4458935260772705e-08 18064 18064 16 3 1 1 1.8998980522155762e-07 18400 18400 32 1 1 0 -1.210719347000122e-08 4224 4224 32 1 1 1 -6.658956408500671e-08 3712 3712 32 2 1 0 -3.91155481338501e-08 16896 16896 32 2 1 1 -1.178780895385742e-08 18560 18560 32 3 1 1 1.154399925231934e-07 35608 36608 32 3</td></tr<>	16 1 1 0 2.514570951461792e-08 2768 16 1 1 1 4.936009645462036e-08 2048 16 2 1 0 1.1548399925231934e-07 9280 16 2 1 1 -1.4528632164001465e-07 8496 16 3 1 0 3.4458935260772705e-08 18064 16 3 1 1 1.899890522155762e-07 18400 32 1 1 0 -1.210719347000122e-08 4224 32 1 1 1 -6.658956408500671e-08 3712 32 1 1 1 -6.658956408500671e-08 3712 32 2 1 1 -1.1175870895385742e-08 166896 32 2 1 1 -1.1175870895385742e-07 35936 32 3 1 1 1.1548399925231934e-07 36608 32 3 1 1 1.1548399925231934e-07 3660	16 1 1 0 2.514570951461792e-08 2768 2768 16 1 1 1 4.936009645462036e-08 2048 2048 16 2 1 0 1.15483999925231934e-07 9280 9280 16 2 1 1 1.44528632164001465e-07 8496 8496 16 3 1 0 3.4458935260772705e-08 18064 18064 16 3 1 1 1.8998980522155762e-07 18400 18400 32 1 1 0 -1.210719347000122e-08 4224 4224 32 1 1 1 -6.658956408500671e-08 3712 3712 32 2 1 0 -3.91155481338501e-08 16896 16896 32 2 1 1 -1.178780895385742e-08 18560 18560 32 3 1 1 1.154399925231934e-07 35608 36608 32 3	

1	16	3	1	1	-7.003545761108398e-07	195968	195968	
1	32	1	1	0	-2.905726432800293e-07	45696	45696	
1	32	1	1	1	-2.0489096641540527e-07	43712	43712	
1	32	2	1	0	1.3783574104309082e-07	170464	170464	
1	32	2	1	1	2.849847078323364e-07	181152	181152	
1	32	3	1	0	5.960464477539063e-08	373792	373792	
1	32	3	1	1	2.0489096641540527e-07	394368	394368	
32	16	1	1	0	8.642673492431641e-07	638944	638944	
32	16	1	1	1	-8.642673492431641e-07	640928	640928	
32	16	2	1	0	-1.1175870895385742e-06	1728736	1728736	
32	16	2	1	1	-8.344650268554688e-07	1842928	1842928	
32	16	3	1	0	-8.344650268554688e-07	2307776	2307776	
32	16	3	1	1	-9.5367431640625e-07	2510432	2510432	
32	32	1	1	0	2.682209014892578e-07	1274688	1274688	
32	32	1	1	1	-4.470348358154297e-07	1278944	1278944	
32	32	2	1	0	1.9073486328125e-06	3449056	3449056	
32	32	2	1	1	-3.5762786865234375e-06	3660768	3660768	
32	32	3	1	0	2.7418136596679688e-06	4624672	4624672	
32	32	3	1	1	5.960464477539063e-08	5025056	5025056	

Failed Test Cases

in_channels	out_channels	kernel_size	stride	padding	output_sum_diff	nnz_cpp_result	nnz_torch_eval	nn
1	16	1	2	0	0.7021881341934204	2288	592	
1	16	1	2	1	0.3651781380176544	2080	576	
1	16	2	2	0	-0.16128063201904297	4448	2256	
1	16	2	2	1	-0.43152719736099243	4560	2112	
1	16	3	2	0	-0.0566292479634285	7920	4704	
1	16	3	2	1	-0.03418858349323273	8016	4624	
1	32	1	2	0	-0.4320717453956604	4832	1280	
1	32	1	2	1	-0.039839208126068115	4992	1120	
1	32	2	2	0	0.2541143298149109	8960	4000	
1	32	2	2	1	-0.2641303539276123	10816	4448	
1	32	3	2	0	1.2162957191467285	16096	9056	
1	32	3	2	1	-1.880796194076538	15648	9120	

32	16	1	2	0	-1.2803881168365479	45120	15360	
32	16	1	2	1	2.339843273162842	46096	15888	
32	16	2	2	0	1.0378429889678955	62432	44960	
32	16	2	2	1	1.9784281253814697	67136	47088	
32	16	3	2	0	6.565918922424316	63152	58160	
32	16	3	2	1	-3.780818462371826	68928	62704	
32	32	1	2	0	0.3182179927825928	92000	33344	
32	32	1	2	1	0.19564288854599	94528	33696	
32	32	2	2	0	0.3838813900947571	124992	90912	
32	32	2	2	1	-1.2023870944976807	131744	92224	
32	32	3	2	0	-9.272660255432129	125728	116160	
32	32	3	2	1	1.2748466730117798	138496	126944	
1	16	1	2	0	1.0466907024383545	23072	5600	
1	16	1	2	1	0.3881438970565796	21600	5216	
1	16	2	2	0	-0.2093294858932495	46816	21760	
1	16	2	2	1	0.04558283090591431	48176	22032	
1	16	3	2	0	-2.0818822383880615	76208	42928	
1	16	3	2	1	2.1086368560791016	79904	45632	
1	32	1	2	0	-0.0341452956199646	45152	11424	
1	32	1	2	1	0.023951224982738495	45472	10944	
1	32	2	2	0	-1.3496034145355225	93728	43648	
1	32	2	2	1	0.23838159441947937	101440	44832	
1	32	3	2	0	0.40606188774108887	157440	91712	
1	32	3	2	1	3.738457441329956	164032	95520	
32	16	1	2	0	0.742663562297821	451200	156432	
32	16	1	2	1	3.6661295890808105	462928	158752	
32	16	2	2	0	-9.900106430053711	627104	452976	
32	16	2	2	1	2.614128589630127	662992	463456	
32	16	3	2	0	7.988638877868652	629168	576224	
32	16	3	2	1	-14.21040153503418	689280	623568	
32	32	1	2	0	-6.783827304840088	902944	319648	
32	32	1	2	1	3.0733816623687744	928576	317952	
32	32	2	2	0	0.18418478965759277	1253536	903776	
32	32	2	2	1	-3.140298843383789	1324192	925376	
32	32	3	2	0	14.377982139587402	1259424	1155936	

32 3 2 1 -21.573287963867188 1377760 1254304

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 16

Kernel Size: 1 Stride: 2 Padding: 0

Output Sum Difference: 0.7021881341934204

nnz Cpp Result: 2288 nnz Torch Eval: 592

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 16 Kernel Size: 1

Stride: 2 Padding: 1

Output Sum Difference: 0.3651781380176544

nnz Cpp Result: 2080 nnz Torch Eval: 576

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 0

Output Sum Difference: -0.16128063201904297

nnz Cpp Result: 4448 nnz Torch Eval: 2256

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: -0.43152719736099243

nnz Cpp Result: 4560 nnz Torch Eval: 2112

Batch Size: 10 Input Channels: 1 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: -0.0566292479634285

nnz Cpp Result: 7920 nnz Torch Eval: 4704

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 16 Kernel Size: 3 Stride: 2

Padding: 1

Output Sum Difference: -0.03418858349323273

nnz Cpp Result: 8016 nnz Torch Eval: 4624

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32

Kernel Size: 1 Stride: 2 Padding: 0

Output Sum Difference: -0.4320717453956604

nnz Cpp Result: 4832 nnz Torch Eval: 1280

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32

Kernel Size: 1 Stride: 2 Padding: 1

Output Sum Difference: -0.039839208126068115

nnz Cpp Result: 4992 nnz Torch Eval: 1120

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32 Kernel Size: 2 Stride: 2 Padding: 0

Output Sum Difference: 0.2541143298149109

nnz Cpp Result: 8960 nnz Torch Eval: 4000

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: -0.2641303539276123

nnz Cpp Result: 10816 nnz Torch Eval: 4448

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: 1.2162957191467285

nnz Cpp Result: 16096 nnz Torch Eval: 9056

Difference Detected:

Batch Size: 10 Input Channels: 1 Output Channels: 32 Kernel Size: 3 Stride: 2

Stride: 2 Padding: 1

Output Sum Difference: -1.880796194076538

nnz Cpp Result: 15648 nnz Torch Eval: 9120

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 16 Kernel Size: 1

Stride: 2 Padding: 0

Output Sum Difference: -1.2803881168365479

nnz Cpp Result: 45120 nnz Torch Eval: 15360

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 16

Kernel Size: 1 Stride: 2 Padding: 1

Output Sum Difference: 2.339843273162842

nnz Cpp Result: 46096 nnz Torch Eval: 15888

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 0

Output Sum Difference: 1.0378429889678955

nnz Cpp Result: 62432 nnz Torch Eval: 44960

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: 1.9784281253814697

nnz Cpp Result: 67136 nnz Torch Eval: 47088

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: 6.565918922424316

nnz Cpp Result: 63152 nnz Torch Eval: 58160

Batch Size: 10 Input Channels: 32 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 1

Output Sum Difference: -3.780818462371826

nnz Cpp Result: 68928 nnz Torch Eval: 62704

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32 Kernel Size: 1

Stride: 2 Padding: 0

Output Sum Difference: 0.3182179927825928

nnz Cpp Result: 92000 nnz Torch Eval: 33344

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32

Kernel Size: 1 Stride: 2 Padding: 1

Output Sum Difference: 0.19564288854599

nnz Cpp Result: 94528 nnz Torch Eval: 33696

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32 Kernel Size: 2

Stride: 2 Padding: 0

Output Sum Difference: 0.3838813900947571

nnz Cpp Result: 124992 nnz Torch Eval: 90912

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32 Kernel Size: 2 Stride: 2 Padding: 1

Output Sum Difference: -1.2023870944976807

nnz Cpp Result: 131744 nnz Torch Eval: 92224

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: -9.272660255432129

nnz Cpp Result: 125728 nnz Torch Eval: 116160

Difference Detected:

Batch Size: 10 Input Channels: 32 Output Channels: 32 Kernel Size: 3

Stride: 2 Padding: 1

Output Sum Difference: 1.2748466730117798

nnz Cpp Result: 138496 nnz Torch Eval: 126944

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16

Kernel Size: 1 Stride: 2 Padding: 0

Output Sum Difference: 1.0466907024383545

nnz Cpp Result: 23072 nnz Torch Eval: 5600

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16 Kernel Size: 1

Stride: 2 Padding: 1

Output Sum Difference: 0.3881438970565796

nnz Cpp Result: 21600 nnz Torch Eval: 5216

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 0

Output Sum Difference: -0.2093294858932495

nnz Cpp Result: 46816 nnz Torch Eval: 21760

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: 0.04558283090591431

nnz Cpp Result: 48176 nnz Torch Eval: 22032

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: -2.0818822383880615

nnz Cpp Result: 76208 nnz Torch Eval: 42928

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 1

Output Sum Difference: 2.1086368560791016

nnz Cpp Result: 79904 nnz Torch Eval: 45632

Batch Size: 100 Input Channels: 1 Output Channels: 32 Kernel Size: 1

Stride: 2 Padding: 0

Output Sum Difference: -0.0341452956199646

nnz Cpp Result: 45152 nnz Torch Eval: 11424

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 32 Kernel Size: 1

Stride: 2 Padding: 1

Output Sum Difference: 0.023951224982738495

nnz Cpp Result: 45472 nnz Torch Eval: 10944

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 32

Kernel Size: 2 Stride: 2 Padding: 0

Output Sum Difference: -1.3496034145355225

nnz Cpp Result: 93728 nnz Torch Eval: 43648

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 32 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: 0.23838159441947937

nnz Cpp Result: 101440 nnz Torch Eval: 44832

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 32 Kernel Size: 3 Stride: 2 Padding: 0

Output Sum Difference: 0.40606188774108887

nnz Cpp Result: 157440 nnz Torch Eval: 91712

Difference Detected:

Batch Size: 100 Input Channels: 1 Output Channels: 32 Kernel Size: 3

Stride: 2 Padding: 1

Output Sum Difference: 3.738457441329956

nnz Cpp Result: 164032 nnz Torch Eval: 95520

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16

Kernel Size: 1 Stride: 2 Padding: 0

Output Sum Difference: 0.742663562297821

nnz Cpp Result: 451200 nnz Torch Eval: 156432

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16 Kernel Size: 1

Stride: 2 Padding: 1

Output Sum Difference: 3.6661295890808105

nnz Cpp Result: 462928 nnz Torch Eval: 158752

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 0

Output Sum Difference: -9.900106430053711

nnz Cpp Result: 627104 nnz Torch Eval: 452976

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: 2.614128589630127

nnz Cpp Result: 662992 nnz Torch Eval: 463456

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: 7.988638877868652

nnz Cpp Result: 629168 nnz Torch Eval: 576224

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 16 Kernel Size: 3

Stride: 2 Padding: 1

Output Sum Difference: -14.21040153503418

nnz Cpp Result: 689280 nnz Torch Eval: 623568

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 1

Stride: 2 Padding: 0

Output Sum Difference: -6.783827304840088

nnz Cpp Result: 902944 nnz Torch Eval: 319648

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 1

Stride: 2 Padding: 1

Output Sum Difference: 3.0733816623687744

nnz Cpp Result: 928576 nnz Torch Eval: 317952

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 2 Stride: 2

Padding: 0

Output Sum Difference: 0.18418478965759277

nnz Cpp Result: 1253536 nnz Torch Eval: 903776

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 2

Stride: 2 Padding: 1

Output Sum Difference: -3.140298843383789

nnz Cpp Result: 1324192 nnz Torch Eval: 925376

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 3

Stride: 2 Padding: 0

Output Sum Difference: 14.377982139587402

nnz Cpp Result: 1259424 nnz Torch Eval: 1155936

Difference Detected:

Batch Size: 100 Input Channels: 32 Output Channels: 32 Kernel Size: 3 Stride: 2

Padding: 1
Output Sum Difference: -21.573287963867188
nnz Cpp Result: 1377760
nnz Torch Eval: 1254304