IDIOM REPRESENTATION FOR 100 OPERATORS IN PYTORCH.

operator name	idioms	operator name	idioms
in-place operators: relu_ add_	[0, 1, 0, 0, 0, 0]	Tensor Scaler data	[0, 1, 0, 0, 0, 0]
cat, clone, diag	[0, 0, 0, 0, 0, 0]	transpose	[1, 0, 0, 0, 0, 0]
convolution	[0, 1, 0, 1, 1, 2]	fbgemm	[0, 1, 1, 1, 1, 0]
_convolution _convolution_mode _convolution_nogroup	[0, 1, 0, 1, 2, 2]	avg_pool1d adaptive_avg_pool1d adaptive_max_pool1d	[0, 0, 0, 1, 0, 1]
conv1d conv2d conv3d	[0, 0, 0, 0, 1, 0]	quantized_batch_norm	[0, 1, 0, 1, 0, 0]
conv_tbc conv_tbc_backward	[1, 1, 0, 1, 1, 2]	cudnn_batch_norm(_backward)	[0, 1, 1, 1, 1, 0]
conv_transpose1d conv_transpose2d conv_transpose3d	[1, 1, 0, 1, 2, 2]	max_pool1d(_with_indices) max_pool2d(_with_indices)	[0, 0, 0, 1, 0, 0]
cudnn_convolution cudnn_convolution_backward cudnn_convolution_backward_weight	[0, 1, 0, 1, 2, 2]	mkldnn_max_pool2d(_backward) mkldnn_max_pool3d(_backward)	[0, 0, 0, 1, 0, 1]
cudnn_convolution_transpose cudnn_convolution_transpose_backward*	[1, 1, 0, 1, 2, 2]	quantized_max_pool1d quantized_max_pool2d	[0, 1, 0, 1, 0, 0]
cudnn_convolution_relu	[0, 1, 0, 1, 3, 2]	max_pool3d(_with_indice)	[0, 0, 0, 1, 0, 1]
cudnn_convolution_add_relu	[0, 1, 0, 2, 3, 2]	maximum, elu, dropout	[0, 0, 0, 0, 1, 0]
mkldnn_convolution mkldnn_convolution_backward_input mkldnn_convolution_backward_weights mkldnn_convolution_backward	[0, 1, 0, 1, 2, 2]	gather_backward	[0, 1, 1, 1, 0, 0]
miopen_convolution miopen_convolution_backward	[0, 1, 0, 1, 2, 2]	embedding_backward	[0, 1, 1, 1, 1, 0]
slow_conv_transpose2d(_backward) slow_conv_transpose3d(_backward)	[1, 1, 0, 1, 2, 2]	nll_loss_backward	[0, 1, 0, 0, 0, 0]
thnn_conv2d thnn_conv2d_forward thnn_conv2d_backward	[0, 1, 0, 1, 3, 2]	prelu_backward gelu_backward silu_backward	[0, 0, 0, 1, 1, 0]
thnn_conv_depthwise2d thnn_conv_depthwise2d_forward thnn_conv_depthwise2d_backward	[1, 1, 0, 1, 3, 2]	mse_loss_backward	[0, 1, 1, 1, 1, 0]
conv_depthwise3d conv_depthwise3d_backward	[1, 1, 0, 1, 2, 2]	l1_loss_backward	[0, 1, 1, 1, 0, 0]
slow_conv3d slow_conv3d_forward slow_conv3d_backward	[0, 1, 0, 1, 2, 3]	sigmoid_backward logit_backward tanh_backward	[0, 0, 0, 1, 1, 0]
slow_conv_dilated2d(_backward) slow_conv_dilated3d(_backward)	[0, 1, 0, 1, 2, 2]	col2im_backward im2col_backward	[1, 0, 0, 1, 1, 1]