main

VarParam)
name_hint: resnet.embedder.embedder.convolution.weight
shape: (64, 3, 7, 7)
dtype: float32

VarInput)
name_hint: input0
shape: (1, 3, 224, 224)
dtype: float32

Call nn.conv2d
strides: (2, 2)
padding: (3, 3, 3, 3)
dilation: (1, 1)
groups: 1
channels: 64
kernel_size: (7, 7)
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.embedder.embedder.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.embedder.embedder.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.embedder.embedder.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.embedder.embedder.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call nn.relu

Call nn.max_pool2d
pool_size: [3, 3]
strides: [2, 2]
dilation: [1, 1]
padding: [1, 1, 1, 1]
layout: NCHW
out_layout:
ceil_mode: 0

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.shortcut.convolution.weight
shape: (64, 64, 1, 1)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [0, 0, 0, 0]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [1, 1]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.shortcut.normalization.running_var
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.shortcut.normalization.running_mean
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.shortcut.normalization.bias
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.shortcut.normalization.weight
shape: (32,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.0.convolution.weight
shape: (32, 64, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 32
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.0.normalization.running_var
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.0.normalization.running_mean
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.0.normalization.bias
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.0.normalization.weight
shape: (32,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.1.convolution.weight
shape: (32, 32, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 32
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.1.normalization.running_var
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.1.normalization.running_mean
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.1.normalization.bias
shape: (32,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.0.layers.0.layer.1.normalization.weight
shape: (32,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call add

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.convolution.weight
shape: (64, 32, 3, 3)
dtype: float32

Call nn.conv2d
strides: [2, 2]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.convolution.weight
shape: (64, 64, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call add

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.shortcut.convolution.weight
shape: (64, 32, 1, 1)
dtype: float32

Call nn.conv2d
strides: [2, 2]
padding: [0, 0, 0, 0]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [1, 1]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.shortcut.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.shortcut.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.shortcut.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.shortcut.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.convolution.weight
shape: (64, 32, 3, 3)
dtype: float32

Call nn.conv2d
strides: [2, 2]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.0.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.1.convolution.weight
shape: (64, 64, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.1.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.1.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.1.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.0.layer.1.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call add

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.0.convolution.weight
shape: (64, 64, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.0.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.0.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.0.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.0.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call nn.relu

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.convolution.weight
shape: (64, 64, 3, 3)
dtype: float32

Call nn.conv2d
strides: [1, 1]
padding: [1, 1, 1, 1]
dilation: [1, 1]
groups: 1
channels: 64
kernel_size: [3, 3]
data_layout: NCHW
kernel_layout: OIHW
out_layout:
out_dtype:

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.running_var
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.running_mean
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.bias
shape: (64,)
dtype: float32

VarParam)
name_hint: resnet.encoder.stages.1.layers.1.layer.1.normalization.weight
shape: (64,)
dtype: float32

Call nn.batch_norm
axis: 1
epsilon: 1e-05
center: 1
scale: 1

TupleGetItem
idx: 0

Call add

Call nn.relu

Call nn.adaptive_avg_pool2d
output_size: [1, 1]
layout: NCHW
out_layout:

Call reshape
newshape: [0, -1, 1, 1]
allowzero: 0

VarParam)
name_hint: classifier.1.weight
shape: (3, 64)
dtype: float32

Call squeeze
axis: [2, 3]

VarParam)
name_hint: classifier.1.bias
shape: (3,)
dtype: float32

Call nn.dense
units: None
out_dtype:

Call nn.bias_add
axis: -1

Func