TransferSEResNet(

(resnet): ResNet(

(conv1): Conv2d(3, 64, kernel\_size=(7, 7), stride=(2, 2), padding=(3, 3), bias=False)

(bn1): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

(maxpool): MaxPool2d(kernel\_size=3, stride=2, padding=1, dilation=1, ceil\_mode=False)

(layer1): Sequential(

(0): Bottleneck(

(conv1): Conv2d(64, 64, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(64, 64, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(64, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

(downsample): Sequential(

(0): Conv2d(64, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

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(1): Bottleneck(

(conv1): Conv2d(256, 64, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(64, 64, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(64, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(2): Bottleneck(

(conv1): Conv2d(256, 64, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(64, 64, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(64, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(layer2): Sequential(

(0): Bottleneck(

(conv1): Conv2d(256, 128, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(128, 128, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(128, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

(downsample): Sequential(

(0): Conv2d(256, 512, kernel\_size=(1, 1), stride=(2, 2), bias=False)

(1): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

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(1): Bottleneck(

(conv1): Conv2d(512, 128, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(128, 128, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(128, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(2): Bottleneck(

(conv1): Conv2d(512, 128, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(128, 128, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(128, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(3): Bottleneck(

(conv1): Conv2d(512, 128, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(128, 128, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(128, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(128, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(layer3): Sequential(

(0): Bottleneck(

(conv1): Conv2d(512, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

(downsample): Sequential(

(0): Conv2d(512, 1024, kernel\_size=(1, 1), stride=(2, 2), bias=False)

(1): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

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(1): Bottleneck(

(conv1): Conv2d(1024, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(2): Bottleneck(

(conv1): Conv2d(1024, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(3): Bottleneck(

(conv1): Conv2d(1024, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(4): Bottleneck(

(conv1): Conv2d(1024, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(5): Bottleneck(

(conv1): Conv2d(1024, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(256, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(256, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(256, 1024, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(layer4): Sequential(

(0): Bottleneck(

(conv1): Conv2d(1024, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(512, 512, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(512, 2048, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(2048, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

(downsample): Sequential(

(0): Conv2d(1024, 2048, kernel\_size=(1, 1), stride=(2, 2), bias=False)

(1): BatchNorm2d(2048, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

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(1): Bottleneck(

(conv1): Conv2d(2048, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(512, 512, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(512, 2048, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(2048, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(2): Bottleneck(

(conv1): Conv2d(2048, 512, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn1): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv2): Conv2d(512, 512, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(bn2): BatchNorm2d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(conv3): Conv2d(512, 2048, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(bn3): BatchNorm2d(2048, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(relu): ReLU(inplace=True)

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(avgpool): AdaptiveAvgPool2d(output\_size=(1, 1))

(fc): Identity()

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(fc1): Linear(in\_features=2048, out\_features=1024, bias=True)

(dropout1): Dropout(p=0.5, inplace=False)

(bn1): BatchNorm1d(1024, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(fc2): Linear(in\_features=1024, out\_features=512, bias=True)

(dropout2): Dropout(p=0.5, inplace=False)

(bn2): BatchNorm1d(512, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(fc\_out): Linear(in\_features=512, out\_features=100, bias=True)

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