DeepLabV3(

(backbone): IntermediateLayerGetter(

(0): ConvBNActivation(

(0): Conv2d(3, 16, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(1): BatchNorm2d(16, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(16, 16, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=16, bias=False)

(1): BatchNorm2d(16, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(16, 16, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(16, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(2): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(16, 64, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(64, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(64, 64, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), groups=64, bias=False)

(1): BatchNorm2d(64, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(2): ConvBNActivation(

(0): Conv2d(64, 24, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(24, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(3): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(24, 72, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(72, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(72, 72, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=72, bias=False)

(1): BatchNorm2d(72, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(2): ConvBNActivation(

(0): Conv2d(72, 24, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(24, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(4): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(24, 72, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(72, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(72, 72, kernel\_size=(5, 5), stride=(2, 2), padding=(2, 2), groups=72, bias=False)

(1): BatchNorm2d(72, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(2): SqueezeExcitation(

(fc1): Conv2d(72, 24, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(24, 72, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(72, 40, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(40, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(5): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(40, 120, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(120, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(120, 120, kernel\_size=(5, 5), stride=(1, 1), padding=(2, 2), groups=120, bias=False)

(1): BatchNorm2d(120, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(2): SqueezeExcitation(

(fc1): Conv2d(120, 32, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(32, 120, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(120, 40, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(40, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(6): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(40, 120, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(120, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(1): ConvBNActivation(

(0): Conv2d(120, 120, kernel\_size=(5, 5), stride=(1, 1), padding=(2, 2), groups=120, bias=False)

(1): BatchNorm2d(120, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): ReLU(inplace=True)

)

(2): SqueezeExcitation(

(fc1): Conv2d(120, 32, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(32, 120, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(120, 40, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(40, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(7): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(40, 240, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(240, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(240, 240, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), groups=240, bias=False)

(1): BatchNorm2d(240, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): ConvBNActivation(

(0): Conv2d(240, 80, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(80, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(8): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(80, 200, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(200, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(200, 200, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=200, bias=False)

(1): BatchNorm2d(200, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): ConvBNActivation(

(0): Conv2d(200, 80, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(80, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(9): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(80, 184, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(184, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(184, 184, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=184, bias=False)

(1): BatchNorm2d(184, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): ConvBNActivation(

(0): Conv2d(184, 80, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(80, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(10): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(80, 184, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(184, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(184, 184, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=184, bias=False)

(1): BatchNorm2d(184, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): ConvBNActivation(

(0): Conv2d(184, 80, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(80, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(11): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(80, 480, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(480, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(480, 480, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=480, bias=False)

(1): BatchNorm2d(480, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): SqueezeExcitation(

(fc1): Conv2d(480, 120, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(120, 480, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(480, 112, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(112, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(12): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(112, 672, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(672, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(672, 672, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), groups=672, bias=False)

(1): BatchNorm2d(672, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): SqueezeExcitation(

(fc1): Conv2d(672, 168, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(168, 672, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(672, 112, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(112, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(13): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(112, 672, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(672, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(672, 672, kernel\_size=(5, 5), stride=(1, 1), padding=(4, 4), dilation=(2, 2), groups=672, bias=False)

(1): BatchNorm2d(672, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): SqueezeExcitation(

(fc1): Conv2d(672, 168, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(168, 672, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(672, 160, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(160, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(14): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(160, 960, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(960, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(960, 960, kernel\_size=(5, 5), stride=(1, 1), padding=(4, 4), dilation=(2, 2), groups=960, bias=False)

(1): BatchNorm2d(960, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): SqueezeExcitation(

(fc1): Conv2d(960, 240, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(240, 960, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(960, 160, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(160, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(15): InvertedResidual(

(block): Sequential(

(0): ConvBNActivation(

(0): Conv2d(160, 960, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(960, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(1): ConvBNActivation(

(0): Conv2d(960, 960, kernel\_size=(5, 5), stride=(1, 1), padding=(4, 4), dilation=(2, 2), groups=960, bias=False)

(1): BatchNorm2d(960, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

(2): SqueezeExcitation(

(fc1): Conv2d(960, 240, kernel\_size=(1, 1), stride=(1, 1))

(relu): ReLU(inplace=True)

(fc2): Conv2d(240, 960, kernel\_size=(1, 1), stride=(1, 1))

)

(3): ConvBNActivation(

(0): Conv2d(960, 160, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(160, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Identity()

)

)

)

(16): ConvBNActivation(

(0): Conv2d(160, 960, kernel\_size=(1, 1), stride=(1, 1), bias=False)

(1): BatchNorm2d(960, eps=0.001, momentum=0.01, affine=True, track\_running\_stats=True)

(2): Hardswish()

)

)

(classifier): DeepLabHead(

(0): ASPP(

(convs): ModuleList(

(0): Sequential(

(0): Conv2d(960, 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)

(2): ReLU()

)

(1): ASPPConv(

(0): Conv2d(960, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(12, 12), dilation=(12, 12), bias=False)

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

(2): ReLU()

)

(2): ASPPConv(

(0): Conv2d(960, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(24, 24), dilation=(24, 24), bias=False)

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

(2): ReLU()

)

(3): ASPPConv(

(0): Conv2d(960, 256, kernel\_size=(3, 3), stride=(1, 1), padding=(36, 36), dilation=(36, 36), bias=False)

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

(2): ReLU()

)

(4): ASPPPooling(

(0): AdaptiveAvgPool2d(output\_size=1)

(1): Conv2d(960, 256, kernel\_size=(1, 1), stride=(1, 1), bias=False)

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

(3): ReLU()

)

)

(project): Sequential(

(0): Conv2d(1280, 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)

(2): ReLU()

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

)

)

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

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

(3): ReLU()

(4): Conv2d(256, 21, kernel\_size=(1, 1), stride=(1, 1))

)

(aux\_classifier): FCNHead(

(0): Conv2d(40, 10, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1), bias=False)

(1): BatchNorm2d(10, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(2): ReLU()

(3): Dropout(p=0.1, inplace=False)

(4): Conv2d(10, 21, kernel\_size=(1, 1), stride=(1, 1))

)

)