Backbone layer

| (backbone): ResNetBackbone( |  |
| --- | --- |
|  | (layers): ModuleList( |
|  | (0): 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) |
|  | ) |
|  | ) |
|  |  |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | ) |
|  | (1): 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) |
|  | ) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | ) |
|  | (2): 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) |
|  | ) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | (6): 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) |
|  | ) |
|  | (7): 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) |
|  | ) |
|  | (8): 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) |
|  | ) |
|  | (9): 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) |
|  | ) |
|  | (10): 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) |
|  | ) |
|  | (11): 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) |
|  | ) |
|  | (12): 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) |
|  | ) |
|  | (13): 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) |
|  | ) |
|  | (14): 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) |
|  | ) |
|  | (15): 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) |
|  | ) |
|  | (16): 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) |
|  | ) |
|  | (17): 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) |
|  | ) |
|  | (18): 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) |
|  | ) |
|  | (19): 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) |
|  | ) |
|  | (20): 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) |
|  | ) |
|  | (21): 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) |
|  | ) |
|  | (22): 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) |
|  | ) |
|  | ) |
|  | (3): 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) |
|  | ) |
|  | ) |
|  | (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) |
|  | ) |
|  | (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) |
|  | ) |
|  | ) |
|  | ) |
|  | (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) |
|  | ) |