```
ConvolutionBackward0 AccumulateGrad AccumulateGrad
                                                     layer1.0.downsample.0.weight (256, 64, 1, 1)
                                                                                                          layer1.0.conv1.weight (64, 64, 1, 1)
                                                                                     ReluBackward0
layer1.0.downsample.1.weight (256)
                             layer1.0.downsample.1.bias (256)
                                                                                                                               layer1.0.bn1.weight (64) layer1.0.bn1.bias
                                                              AccumulateGrad MaxPool2DWithIndicesBackward0 AccumulateGrad
                                                                                                           ConvolutionBackward0
                                                                                                                                 AccumulateGrad
                                         AccumulateGrad
                AccumulateGrad
                                                                                                                  CudnnBatchNormBackward0
                                              CudnnBatchNormBackward0
                                                                                                                                            layer1.0.conv2.weight (64, 64, 3, 3)
                                                                                                                                                         layer1.0.bn2.weight (64) (64)
                                                                                                                                        AccumulateGrad
                                                                                                                                                            AccumulateGrad
                                                                                                                                             CudnnBatchNormBackward0 layer1.0.conv3.weight (256, 64, 1, 1)
                                                                                                                                                                                   layer1.0.bn3.weight (256) (256)
                                                                                                                                                                   AccumulateGrad
                                                                                                                                                                 ConvolutionBackward0 AccumulateGrad
                                                                                                               AddBackward0 layer1.1.conv1.weight (64, 256, 1, 1)
                                                                                                                ReluBackward0 | layer1.1.bn1.weight (64) | layer1.1.bn1.bias (64)
                                                                                                                              ConvolutionBackward0 AccumulateGrad AccumulateGrad
                                                                                                                              CudnnBatchNormBackward0 layer1.1.conv2.weight (64, 64, 3, 3)
                                                                                                                                  ReluBackward0 | layer1.1.bn2.weight (64) | layer1.1.bn2.bias (64)
                                                                                                                                                ConvolutionBackward0 AccumulateGrad AccumulateGrad
                                                                                                                                                         CudnnBatchNormBackward0 layer1.1.conv3.weight (256, 64, 1, 1)
                                                                                                                                                             ReluBackward0 | layer1.1.bn3.weight | layer1.1.bn3.bias (256) | (256)
                                                                                                                                                                           ConvolutionBackward0 AccumulateGrad
                                                                                                                                                                                                                  AccumulateGrad
                                                                                                                                          AddBackward0 layer1.2.conv1.weight (64, 256, 1, 1)
                                                                                                                                                                              layer1.2.bn1.weight (64) (64)
                                                                                                                                             ReluBackward0 AccumulateGrad
                                                                                                                                                                                                      (64)
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                                                                                                                                                                 CudnnBatchNormBackward0 layer1.2.conv2.weight (64, 64, 3, 3)
                                                                                                                                                                      ReluBackward0 | layer1.2.bn2.weight (64) | layer1.2.bn2.bias (64)
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                                                                                                                                                                                             CudnnBatchNormBackward0 layer1.2.conv3.weight (256, 64, 1, 1)
                                                                                                                                                                                                                                    layer1.2.bn3.weight (256) (256)
                                                                                                                                                                                                                   AccumulateGrad
                                                                                                                                                                                                                ConvolutionBackward0 AccumulateGrad
                                                                                                                                                       layer2.0.downsample.0.weight (512, 256, 1, 1)
                                                                                                                                                                                      AddBackward0 layer2.0.conv1.weight (128, 256, 1, 1)
                                                                                                           layer2.0.downsample.1.weight layer2.0.downsample.1.bias (512)
                                                                                                                                                                                                                        layer2.0.bn1.weight layer2.0.bn1.bias (128)
                                                                                                                                                                                     ReluBackward0 AccumulateGrad
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                                                                                                                                                                                                                                     layer2.0.conv2.weight (128, 128, 3, 3)
                                                                                                                                                                                                           CudnnBatchNormBackward0
                                                                                                                                                                                                                                AccumulateGrad layer2.0.bn2.weight (128) layer2.0.bn2.bias (128)
                                                                                                                                                                                                                             ConvolutionBackward0 AccumulateGrad
                                                                                                                                                                                                                                     CudnnBatchNormBackward0 layer2.0.conv3.weight (512, 128, 1, 1)
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                                                                                                                                                                                                                                                                              layer2.0.bn3.weight (512)
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                                                                                                                                                                                                                                  ReluBackward0 | layer2.1.bn2.weight (128) | layer2.1.bn2.bias (128)
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                                                                                                                                                                                                                                                                              layer2.2.bn1.weight (128) layer2.2.bn1.bias
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                                                                                                                                                                                                                                                                                                               ConvolutionBackward0 AccumulateGrad
                                                                                                                                                                                                                                                                                     layer2.3.conv1.weight (128, 512, 1, 1)
                                                                                                                                                                                                                                                                       ReluBackward0 AccumulateGrad layer2.3.bn1.weight (128) layer2.3.bn1.bias (128)
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                                                                                                                                                                                                                                                                                    CudnnBatchNormBackward0 layer2.3.conv2.weight (128, 128, 3, 3)
                                                                                                                                                                                                                                                                                         ReluBackward0 | layer2.3.bn2.weight | layer2.3.bn2.bias (128)
                                                                                                                                                                                                                                                                                                      ConvolutionBackward0 AccumulateGrad AccumulateGrad
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                                                                                                                                                                                                                                                                              layer3.0.downsample.0.weight (1024, 512, 1, 1)
                                                                                                                                                                                                                                                                                                           AddBackward0 layer3.0.conv1.weight (256, 512, 1, 1)
                                                                                                                                                                                                                                                                                                                                             layer3.0.bn1.weight (256) (256)
                                                                                                                                                                                                                                layer3.0.downsample.1.weight layer3.0.downsample.1.bias (1024)
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                                                                                                                                                                                                                                                                                                                                            layer3.1.conv1.weight (256, 1024, 1, 1)
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                                                                                                                                                                                                                                                                                                                                                                  ReluBackward0 | layer3.2.bn1.weight (256) | layer3.2.bn1.bias (256)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ReluBackward0 | layer3.3.bn3.weight (1024) | layer3.3.bn3.bias (1024)
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                                                                                                                                                                                                                                                                                                                                                                                                                        ReluBackward0 | layer3.4.bn1.weight (256) | layer3.4.bn1.bias (256)
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AddBackward0 layer4.0.conv1.weight (512, 1024, 1, 1)
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conv1.weight (64, 12, 7, 7)