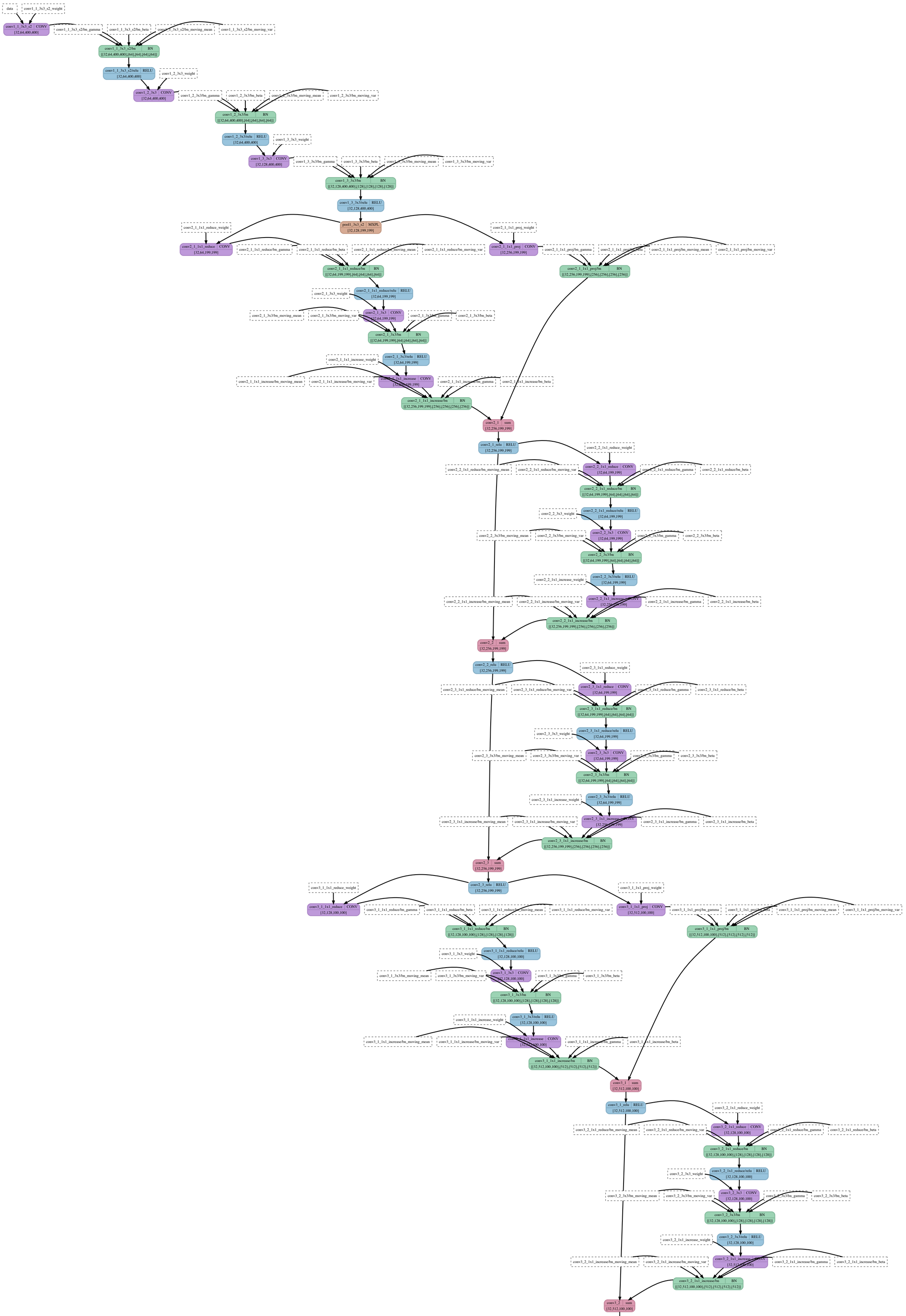
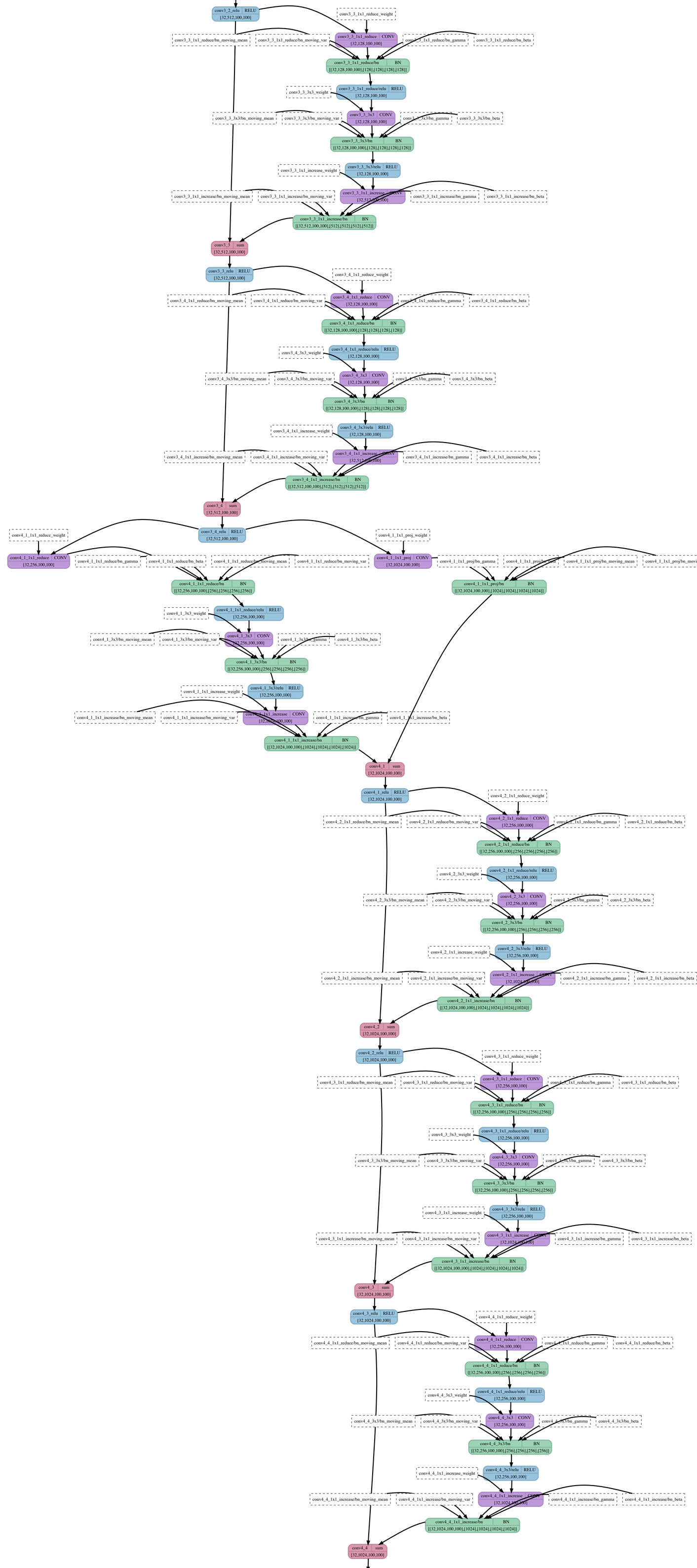
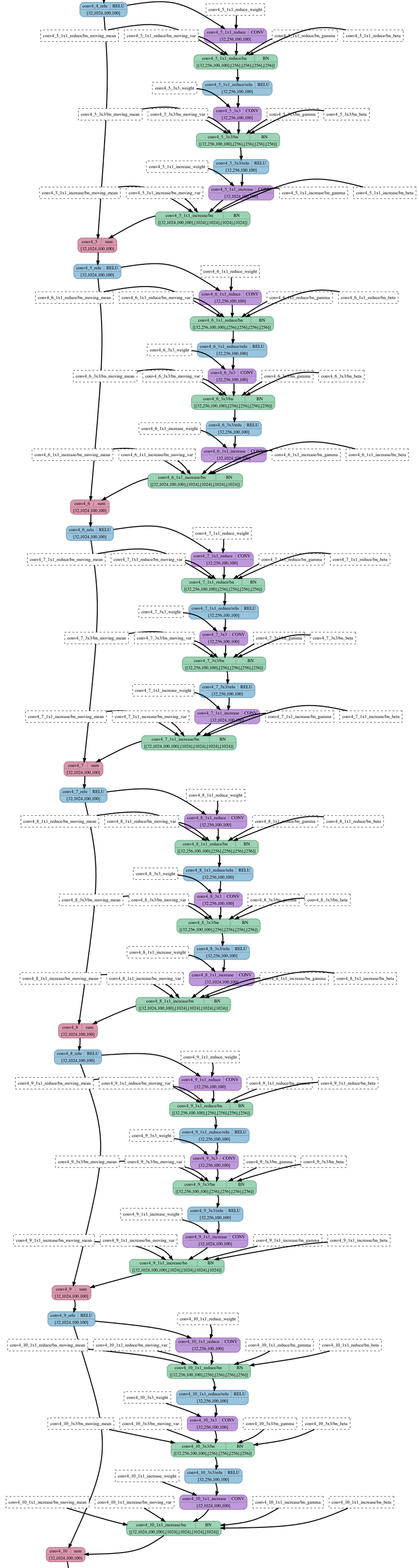
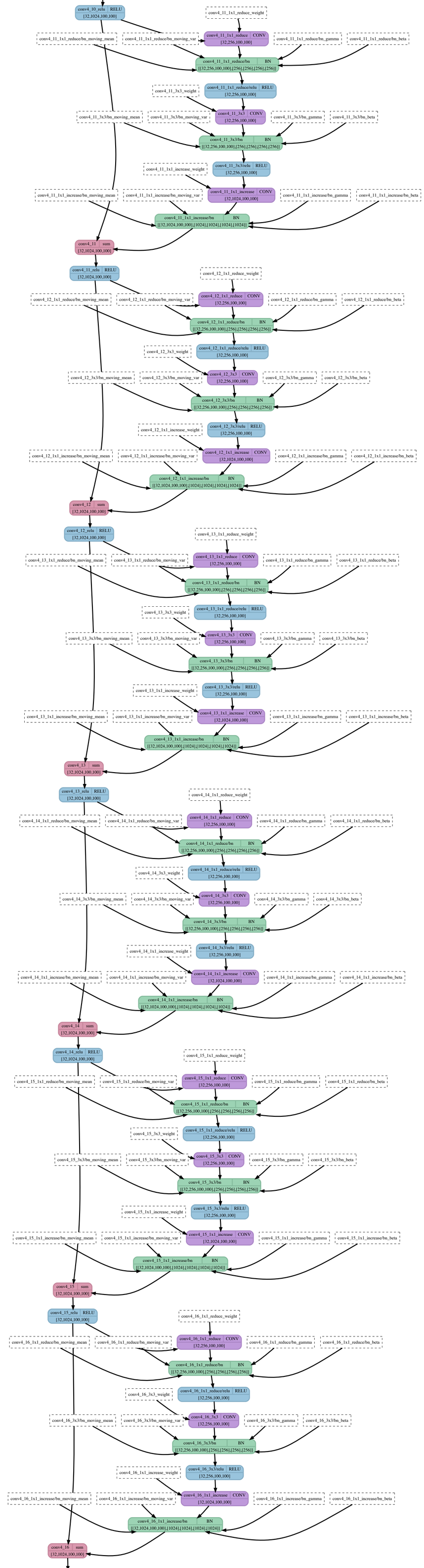
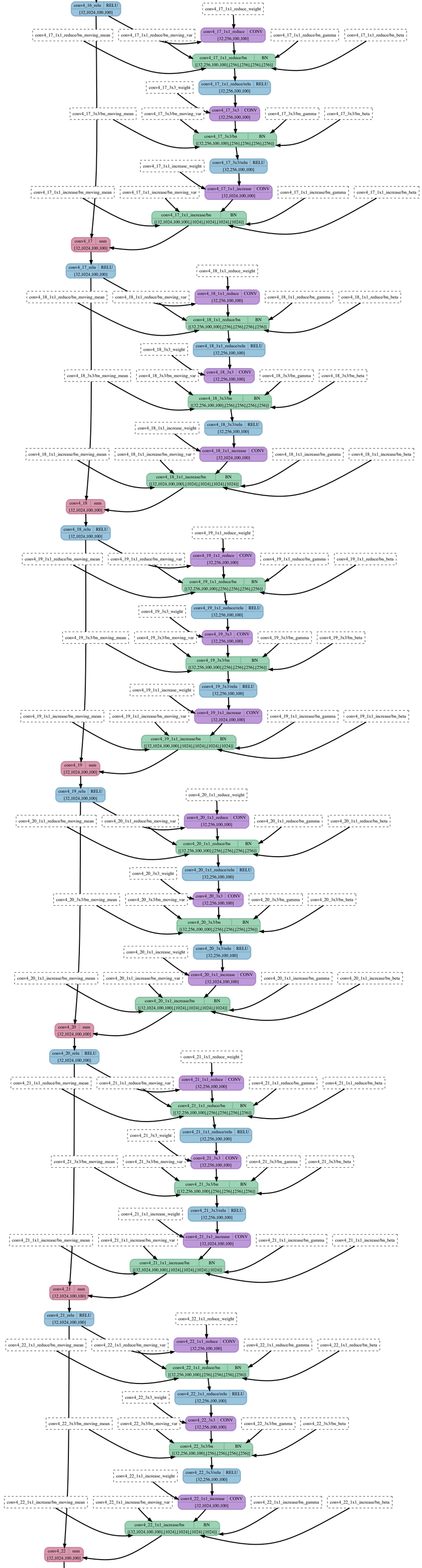
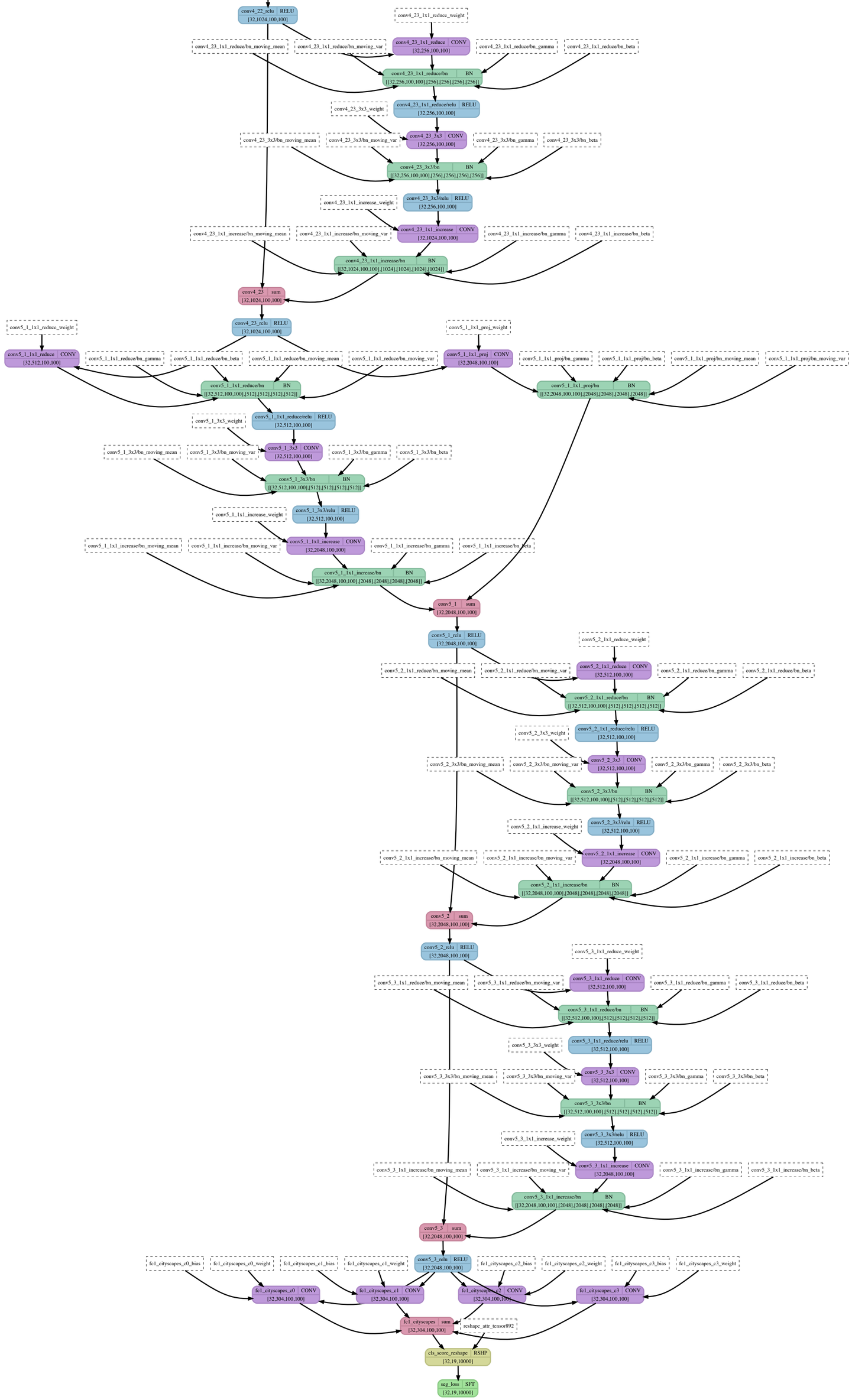

data
conv1_1_3x3_s2_weight
conv1_1_3x3_s2 CONV [32,64,400,400]
conv1_1_3x3_s2/bn_gamma
conv1_1_3x3_s2/bn_beta
conv1_1_3x3_s2/bn_moving_mean
conv1_1_3x3_s2/bn_moving_var
conv1_1_3x3_s2/bn BN [[32,64,400,400],[64],[64],[64],[64]]
conv1_1_3x3_s2/relu RELU [32,64,400,400]
conv1_2_3x3_weight
conv1_2_3x3 CONV [32,64,400,400]
conv1_2_3x3/bn_gamma
conv1_2_3x3/bn_beta
conv1_2_3x3/bn_moving_mean
conv1_2_3x3/bn_moving_var
conv1_2_3x3/bn BN [[32,64,400,400],[64],[64],[64],[64]]
conv1_2_3x3/relu RELU [32,64,400,400]
conv1_3_3x3_weight
conv1_3_3x3 CONV [32,128,400,400]
conv1_3_3x3/bn_gamma
conv1_3_3x3/bn_beta
conv1_3_3x3/bn_moving_mean
conv1_3_3x3/bn_moving_var
conv1_3_3x3/bn BN [[32,128,400,400],[128],[128],[128],[128]]
conv1_3_3x3/relu RELU [32,128,400,400]
pool1_3x3_s2 MXPL [32,128,199,199]
conv2_1_1x1_reduce_weight
conv2_1_1x1_proj_weight
conv2_1_1x1_reduce CONV [32,64,199,199]
conv2_1_1x1_reduce/bn_gamma
conv2_1_1x1_reduce/bn_beta
conv2_1_1x1_reduce/bn_moving_mean
conv2_1_1x1_reduce/bn_moving_var
conv2_1_1x1_proj CONV [32,256,199,199]
conv2_1_1x1_proj/bn_gamma
conv2_1_1x1_proj/bn_beta
conv2_1_1x1_proj/bn_moving_mean
conv2_1_1x1_proj/bn_moving_var
conv2_1_1x1_reduce/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_1_1x1_proj/bn BN [[32,256,199,199],[256],[256],[256],[256]]
conv2_1_1x1_reduce/relu RELU [32,64,199,199]
conv2_1_3x3_weight
conv2_1_3x3 CONV [32,64,199,199]
conv2_1_3x3/bn_moving_mean
conv2_1_3x3/bn_moving_var
conv2_1_3x3/bn_gamma
conv2_1_3x3/bn_beta
conv2_1_3x3/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_1_3x3/relu RELU [32,64,199,199]
conv2_1_1x1_increase_weight
conv2_1_1x1_increase CONV [32,256,199,199]
conv2_1_1x1_increase/bn_moving_mean
conv2_1_1x1_increase/bn_moving_var
conv2_1_1x1_increase/bn_gamma
conv2_1_1x1_increase/bn_beta
conv2_1_1x1_increase/bn BN [[32,256,199,199],[256],[256],[256],[256]]
conv2_1 sum [32,256,199,199]
conv2_1_relu RELU [32,256,199,199]
conv2_2_1x1_reduce_weight
conv2_2_1x1_reduce CONV [32,64,199,199]
conv2_2_1x1_reduce/bn_moving_mean
conv2_2_1x1_reduce/bn_moving_var
conv2_2_1x1_reduce/bn_gamma
conv2_2_1x1_reduce/bn_beta
conv2_2_1x1_reduce/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_2_1x1_reduce/relu RELU [32,64,199,199]
conv2_2_3x3_weight
conv2_2_3x3 CONV [32,64,199,199]
conv2_2_3x3/bn_moving_mean
conv2_2_3x3/bn_moving_var
conv2_2_3x3/bn_gamma
conv2_2_3x3/bn_beta
conv2_2_3x3/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_2_3x3/relu RELU [32,64,199,199]
conv2_2_1x1_increase_weight
conv2_2_1x1_increase CONV [32,256,199,199]
conv2_2_1x1_increase/bn_moving_mean
conv2_2_1x1_increase/bn_moving_var
conv2_2_1x1_increase/bn_gamma
conv2_2_1x1_increase/bn_beta
conv2_2_1x1_increase/bn BN [[32,256,199,199],[256],[256],[256],[256]]
conv2_2 sum [32,256,199,199]
conv2_2_relu RELU [32,256,199,199]
conv2_3_1x1_reduce_weight
conv2_3_1x1_reduce CONV [32,64,199,199]
conv2_3_1x1_reduce/bn_moving_mean
conv2_3_1x1_reduce/bn_moving_var
conv2_3_1x1_reduce/bn_gamma
conv2_3_1x1_reduce/bn_beta
conv2_3_1x1_reduce/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_3_1x1_reduce/relu RELU [32,64,199,199]
conv2_3_3x3_weight
conv2_3_3x3 CONV [32,64,199,199]
conv2_3_3x3/bn_moving_mean
conv2_3_3x3/bn_moving_var
conv2_3_3x3/bn_gamma
conv2_3_3x3/bn_beta
conv2_3_3x3/bn BN [[32,64,199,199],[64],[64],[64],[64]]
conv2_3_3x3/relu RELU [32,64,199,199]
conv2_3_1x1_increase_weight
conv2_3_1x1_increase CONV [32,256,199,199]
conv2_3_1x1_increase/bn_moving_mean
conv2_3_1x1_increase/bn_moving_var
conv2_3_1x1_increase/bn_gamma
conv2_3_1x1_increase/bn_beta
conv2_3_1x1_increase/bn BN [[32,256,199,199],[256],[256],[256],[256]]
conv2_3 sum [32,256,199,199]
conv2_3_relu RELU [32,256,199,199]
conv3_1_1x1_reduce_weight
conv3_1_1x1_proj_weight
conv3_1_1x1_reduce CONV [32,128,100,100]
conv3_1_1x1_reduce/bn_gamma
conv3_1_1x1_reduce/bn_beta
conv3_1_1x1_reduce/bn_moving_mean
conv3_1_1x1_reduce/bn_moving_var
conv3_1_1x1_proj CONV [32,512,100,100]
conv3_1_1x1_proj/bn_gamma
conv3_1_1x1_proj/bn_beta
conv3_1_1x1_proj/bn_moving_mean
conv3_1_1x1_proj/bn_moving_var
conv3_1_1x1_reduce/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_1_1x1_proj/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv3_1_1x1_reduce/relu RELU [32,128,100,100]
conv3_1_3x3_weight
conv3_1_3x3 CONV [32,128,100,100]
conv3_1_3x3/bn_moving_mean
conv3_1_3x3/bn_moving_var
conv3_1_3x3/bn_gamma
conv3_1_3x3/bn_beta
conv3_1_3x3/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_1_3x3/relu RELU [32,128,100,100]
conv3_1_1x1_increase_weight
conv3_1_1x1_increase CONV [32,512,100,100]
conv3_1_1x1_increase/bn_moving_mean
conv3_1_1x1_increase/bn_moving_var
conv3_1_1x1_increase/bn_gamma
conv3_1_1x1_increase/bn_beta
conv3_1_1x1_increase/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv3_1 sum [32,512,100,100]
conv3_1_relu RELU [32,512,100,100]
conv3_2_1x1_reduce_weight
conv3_2_1x1_reduce CONV [32,128,100,100]
conv3_2_1x1_reduce/bn_moving_mean
conv3_2_1x1_reduce/bn_moving_var
conv3_2_1x1_reduce/bn_gamma
conv3_2_1x1_reduce/bn_beta
conv3_2_1x1_reduce/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_2_1x1_reduce/relu RELU [32,128,100,100]
conv3_2_3x3_weight
conv3_2_3x3 CONV [32,128,100,100]
conv3_2_3x3/bn_moving_mean
conv3_2_3x3/bn_moving_var
conv3_2_3x3/bn_gamma
conv3_2_3x3/bn_beta
conv3_2_3x3/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_2_3x3/relu RELU [32,128,100,100]
conv3_2_1x1_increase_weight
conv3_2_1x1_increase CONV [32,512,100,100]
conv3_2_1x1_increase/bn_moving_mean
conv3_2_1x1_increase/bn_moving_var
conv3_2_1x1_increase/bn_gamma
conv3_2_1x1_increase/bn_beta
conv3_2_1x1_increase/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv3_2 sum [32,512,100,100]


conv3_2_relu RELU [32,512,100,100]
conv3_3_1x1_reduce_weight
conv3_3_1x1_reduce/bn_moving_mean
conv3_3_1x1_reduce/bn_moving_var
conv3_3_1x1_reduce CONV [32,128,100,100]
conv3_3_1x1_reduce/bn_gamma
conv3_3_1x1_reduce/bn_beta
conv3_3_1x1_reduce/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_3_1x1_reduce/relu RELU [32,128,100,100]
conv3_3_3x3_weight
conv3_3_3x3/bn_moving_mean
conv3_3_3x3/bn_moving_var
conv3_3_3x3 CONV [32,128,100,100]
conv3_3_3x3/bn_gamma
conv3_3_3x3/bn_beta
conv3_3_3x3/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_3_3x3/relu RELU [32,128,100,100]
conv3_3_1x1_increase_weight
conv3_3_1x1_increase/bn_moving_mean
conv3_3_1x1_increase/bn_moving_var
conv3_3_1x1_increase CONV [32,512,100,100]
conv3_3_1x1_increase/bn_gamma
conv3_3_1x1_increase/bn_beta
conv3_3_1x1_increase/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv3_3 sum [32,512,100,100]
conv3_3_relu RELU [32,512,100,100]
conv3_4_1x1_reduce_weight
conv3_4_1x1_reduce/bn_moving_mean
conv3_4_1x1_reduce/bn_moving_var
conv3_4_1x1_reduce CONV [32,128,100,100]
conv3_4_1x1_reduce/bn_gamma
conv3_4_1x1_reduce/bn_beta
conv3_4_1x1_reduce/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_4_1x1_reduce/relu RELU [32,128,100,100]
conv3_4_3x3_weight
conv3_4_3x3/bn_moving_mean
conv3_4_3x3/bn_moving_var
conv3_4_3x3 CONV [32,128,100,100]
conv3_4_3x3/bn_gamma
conv3_4_3x3/bn_beta
conv3_4_3x3/bn BN [[32,128,100,100],[128],[128],[128],[128]]
conv3_4_3x3/relu RELU [32,128,100,100]
conv3_4_1x1_increase_weight
conv3_4_1x1_increase/bn_moving_mean
conv3_4_1x1_increase/bn_moving_var
conv3_4_1x1_increase CONV [32,512,100,100]
conv3_4_1x1_increase/bn_gamma
conv3_4_1x1_increase/bn_beta
conv3_4_1x1_increase/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv3_4 sum [32,512,100,100]
conv3_4_relu RELU [32,512,100,100]
conv4_1_1x1_reduce_weight
conv4_1_1x1_proj_weight
conv4_1_1x1_reduce CONV [32,256,100,100]
conv4_1_1x1_reduce/bn_gamma
conv4_1_1x1_reduce/bn_beta
conv4_1_1x1_reduce/bn_moving_mean
conv4_1_1x1_reduce/bn_moving_var
conv4_1_1x1_proj CONV [32,1024,100,100]
conv4_1_1x1_proj/bn_gamma
conv4_1_1x1_proj/bn_beta
conv4_1_1x1_proj/bn_moving_mean
conv4_1_1x1_proj/bn_moving_var
conv4_1_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_1_1x1_proj/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_1_1x1_reduce/relu RELU [32,256,100,100]
conv4_1_3x3_weight
conv4_1_3x3/bn_moving_mean
conv4_1_3x3/bn_moving_var
conv4_1_3x3 CONV [32,256,100,100]
conv4_1_3x3/bn_gamma
conv4_1_3x3/bn_beta
conv4_1_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_1_3x3/relu RELU [32,256,100,100]
conv4_1_1x1_increase_weight
conv4_1_1x1_increase/bn_moving_mean
conv4_1_1x1_increase/bn_moving_var
conv4_1_1x1_increase CONV [32,1024,100,100]
conv4_1_1x1_increase/bn_gamma
conv4_1_1x1_increase/bn_beta
conv4_1_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_1 sum [32,1024,100,100]
conv4_1_relu RELU [32,1024,100,100]
conv4_2_1x1_reduce_weight
conv4_2_1x1_reduce/bn_moving_mean
conv4_2_1x1_reduce/bn_moving_var
conv4_2_1x1_reduce CONV [32,256,100,100]
conv4_2_1x1_reduce/bn_gamma
conv4_2_1x1_reduce/bn_beta
conv4_2_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_2_1x1_reduce/relu RELU [32,256,100,100]
conv4_2_3x3_weight
conv4_2_3x3/bn_moving_mean
conv4_2_3x3/bn_moving_var
conv4_2_3x3 CONV [32,256,100,100]
conv4_2_3x3/bn_gamma
conv4_2_3x3/bn_beta
conv4_2_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_2_3x3/relu RELU [32,256,100,100]
conv4_2_1x1_increase_weight
conv4_2_1x1_increase/bn_moving_mean
conv4_2_1x1_increase/bn_moving_var
conv4_2_1x1_increase CONV [32,1024,100,100]
conv4_2_1x1_increase/bn_gamma
conv4_2_1x1_increase/bn_beta
conv4_2_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_2 sum [32,1024,100,100]
conv4_2_relu RELU [32,1024,100,100]
conv4_3_1x1_reduce_weight
conv4_3_1x1_reduce/bn_moving_mean
conv4_3_1x1_reduce/bn_moving_var
conv4_3_1x1_reduce CONV [32,256,100,100]
conv4_3_1x1_reduce/bn_gamma
conv4_3_1x1_reduce/bn_beta
conv4_3_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_3_1x1_reduce/relu RELU [32,256,100,100]
conv4_3_3x3_weight
conv4_3_3x3/bn_moving_mean
conv4_3_3x3/bn_moving_var
conv4_3_3x3 CONV [32,256,100,100]
conv4_3_3x3/bn_gamma
conv4_3_3x3/bn_beta
conv4_3_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_3_3x3/relu RELU [32,256,100,100]
conv4_3_1x1_increase_weight
conv4_3_1x1_increase/bn_moving_mean
conv4_3_1x1_increase/bn_moving_var
conv4_3_1x1_increase CONV [32,1024,100,100]
conv4_3_1x1_increase/bn_gamma
conv4_3_1x1_increase/bn_beta
conv4_3_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_3 sum [32,1024,100,100]
conv4_3_relu RELU [32,1024,100,100]
conv4_4_1x1_reduce_weight
conv4_4_1x1_reduce/bn_moving_mean
conv4_4_1x1_reduce/bn_moving_var
conv4_4_1x1_reduce CONV [32,256,100,100]
conv4_4_1x1_reduce/bn_gamma
conv4_4_1x1_reduce/bn_beta
conv4_4_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_4_1x1_reduce/relu RELU [32,256,100,100]
conv4_4_3x3_weight
conv4_4_3x3/bn_moving_mean
conv4_4_3x3/bn_moving_var
conv4_4_3x3 CONV [32,256,100,100]
conv4_4_3x3/bn_gamma
conv4_4_3x3/bn_beta
conv4_4_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_4_3x3/relu RELU [32,256,100,100]
conv4_4_1x1_increase_weight
conv4_4_1x1_increase/bn_moving_mean
conv4_4_1x1_increase/bn_moving_var
conv4_4_1x1_increase CONV [32,1024,100,100]
conv4_4_1x1_increase/bn_gamma
conv4_4_1x1_increase/bn_beta
conv4_4_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_4 sum [32,1024,100,100]


conv4_4_relu RELU [32,1024,100,100]
conv4_5_1x1_reduce_weight
conv4_5_1x1_reduce/bn_moving_mean
conv4_5_1x1_reduce/bn_moving_var
conv4_5_1x1_reduce CONV [32,256,100,100]
conv4_5_1x1_reduce/bn_gamma
conv4_5_1x1_reduce/bn_beta
conv4_5_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_5_1x1_reduce/relu RELU [32,256,100,100]
conv4_5_3x3_weight
conv4_5_3x3 CONV [32,256,100,100]
conv4_5_3x3/bn_moving_mean
conv4_5_3x3/bn_moving_var
conv4_5_3x3/bn_gamma
conv4_5_3x3/bn_beta
conv4_5_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_5_3x3/relu RELU [32,256,100,100]
conv4_5_1x1_increase_weight
conv4_5_1x1_increase/bn_moving_mean
conv4_5_1x1_increase/bn_moving_var
conv4_5_1x1_increase CONV [32,1024,100,100]
conv4_5_1x1_increase/bn_gamma
conv4_5_1x1_increase/bn_beta
conv4_5_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_5 sum [32,1024,100,100]
conv4_5_relu RELU [32,1024,100,100]
conv4_6_1x1_reduce_weight
conv4_6_1x1_reduce/bn_moving_mean
conv4_6_1x1_reduce/bn_moving_var
conv4_6_1x1_reduce CONV [32,256,100,100]
conv4_6_1x1_reduce/bn_gamma
conv4_6_1x1_reduce/bn_beta
conv4_6_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_6_1x1_reduce/relu RELU [32,256,100,100]
conv4_6_3x3_weight
conv4_6_3x3 CONV [32,256,100,100]
conv4_6_3x3/bn_moving_mean
conv4_6_3x3/bn_moving_var
conv4_6_3x3/bn_gamma
conv4_6_3x3/bn_beta
conv4_6_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_6_3x3/relu RELU [32,256,100,100]
conv4_6_1x1_increase_weight
conv4_6_1x1_increase/bn_moving_mean
conv4_6_1x1_increase/bn_moving_var
conv4_6_1x1_increase CONV [32,1024,100,100]
conv4_6_1x1_increase/bn_gamma
conv4_6_1x1_increase/bn_beta
conv4_6_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_6 sum [32,1024,100,100]
conv4_6_relu RELU [32,1024,100,100]
conv4_7_1x1_reduce_weight
conv4_7_1x1_reduce/bn_moving_mean
conv4_7_1x1_reduce/bn_moving_var
conv4_7_1x1_reduce CONV [32,256,100,100]
conv4_7_1x1_reduce/bn_gamma
conv4_7_1x1_reduce/bn_beta
conv4_7_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_7_1x1_reduce/relu RELU [32,256,100,100]
conv4_7_3x3_weight
conv4_7_3x3 CONV [32,256,100,100]
conv4_7_3x3/bn_moving_mean
conv4_7_3x3/bn_moving_var
conv4_7_3x3/bn_gamma
conv4_7_3x3/bn_beta
conv4_7_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_7_3x3/relu RELU [32,256,100,100]
conv4_7_1x1_increase_weight
conv4_7_1x1_increase/bn_moving_mean
conv4_7_1x1_increase/bn_moving_var
conv4_7_1x1_increase CONV [32,1024,100,100]
conv4_7_1x1_increase/bn_gamma
conv4_7_1x1_increase/bn_beta
conv4_7_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_7 sum [32,1024,100,100]
conv4_7_relu RELU [32,1024,100,100]
conv4_8_1x1_reduce_weight
conv4_8_1x1_reduce/bn_moving_mean
conv4_8_1x1_reduce/bn_moving_var
conv4_8_1x1_reduce CONV [32,256,100,100]
conv4_8_1x1_reduce/bn_gamma
conv4_8_1x1_reduce/bn_beta
conv4_8_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_8_1x1_reduce/relu RELU [32,256,100,100]
conv4_8_3x3_weight
conv4_8_3x3 CONV [32,256,100,100]
conv4_8_3x3/bn_moving_mean
conv4_8_3x3/bn_moving_var
conv4_8_3x3/bn_gamma
conv4_8_3x3/bn_beta
conv4_8_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_8_3x3/relu RELU [32,256,100,100]
conv4_8_1x1_increase_weight
conv4_8_1x1_increase/bn_moving_mean
conv4_8_1x1_increase/bn_moving_var
conv4_8_1x1_increase CONV [32,1024,100,100]
conv4_8_1x1_increase/bn_gamma
conv4_8_1x1_increase/bn_beta
conv4_8_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_8 sum [32,1024,100,100]
conv4_8_relu RELU [32,1024,100,100]
conv4_9_1x1_reduce_weight
conv4_9_1x1_reduce/bn_moving_mean
conv4_9_1x1_reduce/bn_moving_var
conv4_9_1x1_reduce CONV [32,256,100,100]
conv4_9_1x1_reduce/bn_gamma
conv4_9_1x1_reduce/bn_beta
conv4_9_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_9_1x1_reduce/relu RELU [32,256,100,100]
conv4_9_3x3_weight
conv4_9_3x3 CONV [32,256,100,100]
conv4_9_3x3/bn_moving_mean
conv4_9_3x3/bn_moving_var
conv4_9_3x3/bn_gamma
conv4_9_3x3/bn_beta
conv4_9_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_9_3x3/relu RELU [32,256,100,100]
conv4_9_1x1_increase_weight
conv4_9_1x1_increase/bn_moving_mean
conv4_9_1x1_increase/bn_moving_var
conv4_9_1x1_increase CONV [32,1024,100,100]
conv4_9_1x1_increase/bn_gamma
conv4_9_1x1_increase/bn_beta
conv4_9_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_9 sum [32,1024,100,100]
conv4_9_relu RELU [32,1024,100,100]
conv4_10_1x1_reduce_weight
conv4_10_1x1_reduce/bn_moving_mean
conv4_10_1x1_reduce/bn_moving_var
conv4_10_1x1_reduce CONV [32,256,100,100]
conv4_10_1x1_reduce/bn_gamma
conv4_10_1x1_reduce/bn_beta
conv4_10_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_10_1x1_reduce/relu RELU [32,256,100,100]
conv4_10_3x3_weight
conv4_10_3x3 CONV [32,256,100,100]
conv4_10_3x3/bn_moving_mean
conv4_10_3x3/bn_moving_var
conv4_10_3x3/bn_gamma
conv4_10_3x3/bn_beta
conv4_10_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_10_3x3/relu RELU [32,256,100,100]
conv4_10_1x1_increase_weight
conv4_10_1x1_increase/bn_moving_mean
conv4_10_1x1_increase/bn_moving_var
conv4_10_1x1_increase CONV [32,1024,100,100]
conv4_10_1x1_increase/bn_gamma
conv4_10_1x1_increase/bn_beta
conv4_10_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_10 sum [32,1024,100,100]


conv4_10_relu RELU [32,1024,100,100]
conv4_11_1x1_reduce_weight
conv4_11_1x1_reduce/bn_moving_mean
conv4_11_1x1_reduce/bn_moving_var
conv4_11_1x1_reduce CONV [32,256,100,100]
conv4_11_1x1_reduce/bn_gamma
conv4_11_1x1_reduce/bn_beta
conv4_11_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_11_1x1_reduce/relu RELU [32,256,100,100]
conv4_11_3x3_weight
conv4_11_3x3 CONV [32,256,100,100]
conv4_11_3x3/bn_moving_mean
conv4_11_3x3/bn_moving_var
conv4_11_3x3/bn_gamma
conv4_11_3x3/bn_beta
conv4_11_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_11_3x3/relu RELU [32,256,100,100]
conv4_11_1x1_increase_weight
conv4_11_1x1_increase CONV [32,1024,100,100]
conv4_11_1x1_increase/bn_moving_mean
conv4_11_1x1_increase/bn_moving_var
conv4_11_1x1_increase/bn_gamma
conv4_11_1x1_increase/bn_beta
conv4_11_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_11 sum [32,1024,100,100]
conv4_11_relu RELU [32,1024,100,100]
conv4_12_1x1_reduce_weight
conv4_12_1x1_reduce/bn_moving_mean
conv4_12_1x1_reduce/bn_moving_var
conv4_12_1x1_reduce CONV [32,256,100,100]
conv4_12_1x1_reduce/bn_gamma
conv4_12_1x1_reduce/bn_beta
conv4_12_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_12_1x1_reduce/relu RELU [32,256,100,100]
conv4_12_3x3_weight
conv4_12_3x3 CONV [32,256,100,100]
conv4_12_3x3/bn_moving_mean
conv4_12_3x3/bn_moving_var
conv4_12_3x3/bn_gamma
conv4_12_3x3/bn_beta
conv4_12_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_12_3x3/relu RELU [32,256,100,100]
conv4_12_1x1_increase_weight
conv4_12_1x1_increase CONV [32,1024,100,100]
conv4_12_1x1_increase/bn_moving_mean
conv4_12_1x1_increase/bn_moving_var
conv4_12_1x1_increase/bn_gamma
conv4_12_1x1_increase/bn_beta
conv4_12_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_12 sum [32,1024,100,100]
conv4_12_relu RELU [32,1024,100,100]
conv4_13_1x1_reduce_weight
conv4_13_1x1_reduce/bn_moving_mean
conv4_13_1x1_reduce/bn_moving_var
conv4_13_1x1_reduce CONV [32,256,100,100]
conv4_13_1x1_reduce/bn_gamma
conv4_13_1x1_reduce/bn_beta
conv4_13_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_13_1x1_reduce/relu RELU [32,256,100,100]
conv4_13_3x3_weight
conv4_13_3x3 CONV [32,256,100,100]
conv4_13_3x3/bn_moving_mean
conv4_13_3x3/bn_moving_var
conv4_13_3x3/bn_gamma
conv4_13_3x3/bn_beta
conv4_13_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_13_3x3/relu RELU [32,256,100,100]
conv4_13_1x1_increase_weight
conv4_13_1x1_increase CONV [32,1024,100,100]
conv4_13_1x1_increase/bn_moving_mean
conv4_13_1x1_increase/bn_moving_var
conv4_13_1x1_increase/bn_gamma
conv4_13_1x1_increase/bn_beta
conv4_13_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_13 sum [32,1024,100,100]
conv4_13_relu RELU [32,1024,100,100]
conv4_14_1x1_reduce_weight
conv4_14_1x1_reduce/bn_moving_mean
conv4_14_1x1_reduce/bn_moving_var
conv4_14_1x1_reduce CONV [32,256,100,100]
conv4_14_1x1_reduce/bn_gamma
conv4_14_1x1_reduce/bn_beta
conv4_14_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_14_1x1_reduce/relu RELU [32,256,100,100]
conv4_14_3x3_weight
conv4_14_3x3 CONV [32,256,100,100]
conv4_14_3x3/bn_moving_mean
conv4_14_3x3/bn_moving_var
conv4_14_3x3/bn_gamma
conv4_14_3x3/bn_beta
conv4_14_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_14_3x3/relu RELU [32,256,100,100]
conv4_14_1x1_increase_weight
conv4_14_1x1_increase CONV [32,1024,100,100]
conv4_14_1x1_increase/bn_moving_mean
conv4_14_1x1_increase/bn_moving_var
conv4_14_1x1_increase/bn_gamma
conv4_14_1x1_increase/bn_beta
conv4_14_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_14 sum [32,1024,100,100]
conv4_14_relu RELU [32,1024,100,100]
conv4_15_1x1_reduce_weight
conv4_15_1x1_reduce/bn_moving_mean
conv4_15_1x1_reduce/bn_moving_var
conv4_15_1x1_reduce CONV [32,256,100,100]
conv4_15_1x1_reduce/bn_gamma
conv4_15_1x1_reduce/bn_beta
conv4_15_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_15_1x1_reduce/relu RELU [32,256,100,100]
conv4_15_3x3_weight
conv4_15_3x3 CONV [32,256,100,100]
conv4_15_3x3/bn_moving_mean
conv4_15_3x3/bn_moving_var
conv4_15_3x3/bn_gamma
conv4_15_3x3/bn_beta
conv4_15_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_15_3x3/relu RELU [32,256,100,100]
conv4_15_1x1_increase_weight
conv4_15_1x1_increase CONV [32,1024,100,100]
conv4_15_1x1_increase/bn_moving_mean
conv4_15_1x1_increase/bn_moving_var
conv4_15_1x1_increase/bn_gamma
conv4_15_1x1_increase/bn_beta
conv4_15_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_15 sum [32,1024,100,100]
conv4_15_relu RELU [32,1024,100,100]
conv4_16_1x1_reduce_weight
conv4_16_1x1_reduce/bn_moving_mean
conv4_16_1x1_reduce/bn_moving_var
conv4_16_1x1_reduce CONV [32,256,100,100]
conv4_16_1x1_reduce/bn_gamma
conv4_16_1x1_reduce/bn_beta
conv4_16_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_16_1x1_reduce/relu RELU [32,256,100,100]
conv4_16_3x3_weight
conv4_16_3x3 CONV [32,256,100,100]
conv4_16_3x3/bn_moving_mean
conv4_16_3x3/bn_moving_var
conv4_16_3x3/bn_gamma
conv4_16_3x3/bn_beta
conv4_16_3x3/bn BN [[32,256,100,100],[256],[256],[256]]
conv4_16_3x3/relu RELU [32,256,100,100]
conv4_16_1x1_increase_weight
conv4_16_1x1_increase CONV [32,1024,100,100]
conv4_16_1x1_increase/bn_moving_mean
conv4_16_1x1_increase/bn_moving_var
conv4_16_1x1_increase/bn_gamma
conv4_16_1x1_increase/bn_beta
conv4_16_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024]]
conv4_16 sum [32,1024,100,100]


conv4_16_relu RELU [32,1024,100,100]
conv4_17_1x1_reduce_weight
conv4_17_1x1_reduce/bn_moving_mean
conv4_17_1x1_reduce/bn_moving_var
conv4_17_1x1_reduce CONV [32,256,100,100]
conv4_17_1x1_reduce/bn_gamma
conv4_17_1x1_reduce/bn_beta
conv4_17_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_17_1x1_reduce/relu RELU [32,256,100,100]
conv4_17_3x3_weight
conv4_17_3x3/bn_moving_mean
conv4_17_3x3/bn_moving_var
conv4_17_3x3 CONV [32,256,100,100]
conv4_17_3x3/bn_gamma
conv4_17_3x3/bn_beta
conv4_17_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_17_3x3/relu RELU [32,256,100,100]
conv4_17_1x1_increase_weight
conv4_17_1x1_increase/bn_moving_mean
conv4_17_1x1_increase/bn_moving_var
conv4_17_1x1_increase CONV [32,1024,100,100]
conv4_17_1x1_increase/bn_gamma
conv4_17_1x1_increase/bn_beta
conv4_17_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_17 sum [32,1024,100,100]
conv4_17_relu RELU [32,1024,100,100]
conv4_18_1x1_reduce_weight
conv4_18_1x1_reduce/bn_moving_mean
conv4_18_1x1_reduce/bn_moving_var
conv4_18_1x1_reduce CONV [32,256,100,100]
conv4_18_1x1_reduce/bn_gamma
conv4_18_1x1_reduce/bn_beta
conv4_18_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_18_1x1_reduce/relu RELU [32,256,100,100]
conv4_18_3x3_weight
conv4_18_3x3/bn_moving_mean
conv4_18_3x3/bn_moving_var
conv4_18_3x3 CONV [32,256,100,100]
conv4_18_3x3/bn_gamma
conv4_18_3x3/bn_beta
conv4_18_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_18_3x3/relu RELU [32,256,100,100]
conv4_18_1x1_increase_weight
conv4_18_1x1_increase/bn_moving_mean
conv4_18_1x1_increase/bn_moving_var
conv4_18_1x1_increase CONV [32,1024,100,100]
conv4_18_1x1_increase/bn_gamma
conv4_18_1x1_increase/bn_beta
conv4_18_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_18 sum [32,1024,100,100]
conv4_18_relu RELU [32,1024,100,100]
conv4_19_1x1_reduce_weight
conv4_19_1x1_reduce/bn_moving_mean
conv4_19_1x1_reduce/bn_moving_var
conv4_19_1x1_reduce CONV [32,256,100,100]
conv4_19_1x1_reduce/bn_gamma
conv4_19_1x1_reduce/bn_beta
conv4_19_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_19_1x1_reduce/relu RELU [32,256,100,100]
conv4_19_3x3_weight
conv4_19_3x3/bn_moving_mean
conv4_19_3x3/bn_moving_var
conv4_19_3x3 CONV [32,256,100,100]
conv4_19_3x3/bn_gamma
conv4_19_3x3/bn_beta
conv4_19_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_19_3x3/relu RELU [32,256,100,100]
conv4_19_1x1_increase_weight
conv4_19_1x1_increase/bn_moving_mean
conv4_19_1x1_increase/bn_moving_var
conv4_19_1x1_increase CONV [32,1024,100,100]
conv4_19_1x1_increase/bn_gamma
conv4_19_1x1_increase/bn_beta
conv4_19_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_19 sum [32,1024,100,100]
conv4_19_relu RELU [32,1024,100,100]
conv4_20_1x1_reduce_weight
conv4_20_1x1_reduce/bn_moving_mean
conv4_20_1x1_reduce/bn_moving_var
conv4_20_1x1_reduce CONV [32,256,100,100]
conv4_20_1x1_reduce/bn_gamma
conv4_20_1x1_reduce/bn_beta
conv4_20_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_20_1x1_reduce/relu RELU [32,256,100,100]
conv4_20_3x3_weight
conv4_20_3x3/bn_moving_mean
conv4_20_3x3/bn_moving_var
conv4_20_3x3 CONV [32,256,100,100]
conv4_20_3x3/bn_gamma
conv4_20_3x3/bn_beta
conv4_20_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_20_3x3/relu RELU [32,256,100,100]
conv4_20_1x1_increase_weight
conv4_20_1x1_increase/bn_moving_mean
conv4_20_1x1_increase/bn_moving_var
conv4_20_1x1_increase CONV [32,1024,100,100]
conv4_20_1x1_increase/bn_gamma
conv4_20_1x1_increase/bn_beta
conv4_20_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_20 sum [32,1024,100,100]
conv4_20_relu RELU [32,1024,100,100]
conv4_21_1x1_reduce_weight
conv4_21_1x1_reduce/bn_moving_mean
conv4_21_1x1_reduce/bn_moving_var
conv4_21_1x1_reduce CONV [32,256,100,100]
conv4_21_1x1_reduce/bn_gamma
conv4_21_1x1_reduce/bn_beta
conv4_21_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_21_1x1_reduce/relu RELU [32,256,100,100]
conv4_21_3x3_weight
conv4_21_3x3/bn_moving_mean
conv4_21_3x3/bn_moving_var
conv4_21_3x3 CONV [32,256,100,100]
conv4_21_3x3/bn_gamma
conv4_21_3x3/bn_beta
conv4_21_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_21_3x3/relu RELU [32,256,100,100]
conv4_21_1x1_increase_weight
conv4_21_1x1_increase/bn_moving_mean
conv4_21_1x1_increase/bn_moving_var
conv4_21_1x1_increase CONV [32,1024,100,100]
conv4_21_1x1_increase/bn_gamma
conv4_21_1x1_increase/bn_beta
conv4_21_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_21 sum [32,1024,100,100]
conv4_21_relu RELU [32,1024,100,100]
conv4_22_1x1_reduce_weight
conv4_22_1x1_reduce/bn_moving_mean
conv4_22_1x1_reduce/bn_moving_var
conv4_22_1x1_reduce CONV [32,256,100,100]
conv4_22_1x1_reduce/bn_gamma
conv4_22_1x1_reduce/bn_beta
conv4_22_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_22_1x1_reduce/relu RELU [32,256,100,100]
conv4_22_3x3_weight
conv4_22_3x3/bn_moving_mean
conv4_22_3x3/bn_moving_var
conv4_22_3x3 CONV [32,256,100,100]
conv4_22_3x3/bn_gamma
conv4_22_3x3/bn_beta
conv4_22_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_22_3x3/relu RELU [32,256,100,100]
conv4_22_1x1_increase_weight
conv4_22_1x1_increase/bn_moving_mean
conv4_22_1x1_increase/bn_moving_var
conv4_22_1x1_increase CONV [32,1024,100,100]
conv4_22_1x1_increase/bn_gamma
conv4_22_1x1_increase/bn_beta
conv4_22_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_22 sum [32,1024,100,100]


conv4_22_relu RELU [32,1024,100,100]
conv4_23_1x1_reduce_weight
conv4_23_1x1_reduce/bn_moving_mean
conv4_23_1x1_reduce/bn_moving_var
conv4_23_1x1_reduce CONV [32,256,100,100]
conv4_23_1x1_reduce/bn_gamma
conv4_23_1x1_reduce/bn_beta
conv4_23_1x1_reduce/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_23_1x1_reduce/relu RELU [32,256,100,100]
conv4_23_3x3_weight
conv4_23_3x3/bn_moving_mean
conv4_23_3x3/bn_moving_var
conv4_23_3x3 CONV [32,256,100,100]
conv4_23_3x3/bn_gamma
conv4_23_3x3/bn_beta
conv4_23_3x3/bn BN [[32,256,100,100],[256],[256],[256],[256]]
conv4_23_3x3/relu RELU [32,256,100,100]
conv4_23_1x1_increase_weight
conv4_23_1x1_increase/bn_moving_mean
conv4_23_1x1_increase/bn_moving_var
conv4_23_1x1_increase CONV [32,1024,100,100]
conv4_23_1x1_increase/bn_gamma
conv4_23_1x1_increase/bn_beta
conv4_23_1x1_increase/bn BN [[32,1024,100,100],[1024],[1024],[1024],[1024]]
conv4_23 sum [32,1024,100,100]
conv4_23_relu RELU [32,1024,100,100]
conv5_1_1x1_reduce_weight
conv5_1_1x1_proj_weight
conv5_1_1x1_reduce CONV [32,512,100,100]
conv5_1_1x1_reduce/bn_gamma
conv5_1_1x1_reduce/bn_beta
conv5_1_1x1_reduce/bn_moving_mean
conv5_1_1x1_reduce/bn_moving_var
conv5_1_1x1_proj CONV [32,2048,100,100]
conv5_1_1x1_proj/bn_gamma
conv5_1_1x1_proj/bn_beta
conv5_1_1x1_proj/bn_moving_mean
conv5_1_1x1_proj/bn_moving_var
conv5_1_1x1_reduce/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_1_1x1_proj/bn BN [[32,2048,100,100],[2048],[2048],[2048],[2048]]
conv5_1_1x1_reduce/relu RELU [32,512,100,100]
conv5_1_3x3_weight
conv5_1_3x3 CONV [32,512,100,100]
conv5_1_3x3/bn_moving_mean
conv5_1_3x3/bn_moving_var
conv5_1_3x3/bn_gamma
conv5_1_3x3/bn_beta
conv5_1_3x3/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_1_3x3/relu RELU [32,512,100,100]
conv5_1_1x1_increase_weight
conv5_1_1x1_increase CONV [32,2048,100,100]
conv5_1_1x1_increase/bn_moving_mean
conv5_1_1x1_increase/bn_moving_var
conv5_1_1x1_increase/bn_gamma
conv5_1_1x1_increase/bn_beta
conv5_1_1x1_increase/bn BN [[32,2048,100,100],[2048],[2048],[2048],[2048]]
conv5_1 sum [32,2048,100,100]
conv5_1_relu RELU [32,2048,100,100]
conv5_2_1x1_reduce_weight
conv5_2_1x1_reduce/bn_moving_mean
conv5_2_1x1_reduce/bn_moving_var
conv5_2_1x1_reduce CONV [32,512,100,100]
conv5_2_1x1_reduce/bn_gamma
conv5_2_1x1_reduce/bn_beta
conv5_2_1x1_reduce/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_2_1x1_reduce/relu RELU [32,512,100,100]
conv5_2_3x3_weight
conv5_2_3x3/bn_moving_mean
conv5_2_3x3/bn_moving_var
conv5_2_3x3 CONV [32,512,100,100]
conv5_2_3x3/bn_gamma
conv5_2_3x3/bn_beta
conv5_2_3x3/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_2_3x3/relu RELU [32,512,100,100]
conv5_2_1x1_increase_weight
conv5_2_1x1_increase/bn_moving_mean
conv5_2_1x1_increase/bn_moving_var
conv5_2_1x1_increase CONV [32,2048,100,100]
conv5_2_1x1_increase/bn_gamma
conv5_2_1x1_increase/bn_beta
conv5_2_1x1_increase/bn BN [[32,2048,100,100],[2048],[2048],[2048],[2048]]
conv5_2 sum [32,2048,100,100]
conv5_2_relu RELU [32,2048,100,100]
conv5_3_1x1_reduce_weight
conv5_3_1x1_reduce/bn_moving_mean
conv5_3_1x1_reduce/bn_moving_var
conv5_3_1x1_reduce CONV [32,512,100,100]
conv5_3_1x1_reduce/bn_gamma
conv5_3_1x1_reduce/bn_beta
conv5_3_1x1_reduce/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_3_1x1_reduce/relu RELU [32,512,100,100]
conv5_3_3x3_weight
conv5_3_3x3/bn_moving_mean
conv5_3_3x3/bn_moving_var
conv5_3_3x3 CONV [32,512,100,100]
conv5_3_3x3/bn_gamma
conv5_3_3x3/bn_beta
conv5_3_3x3/bn BN [[32,512,100,100],[512],[512],[512],[512]]
conv5_3_3x3/relu RELU [32,512,100,100]
conv5_3_1x1_increase_weight
conv5_3_1x1_increase/bn_moving_mean
conv5_3_1x1_increase/bn_moving_var
conv5_3_1x1_increase CONV [32,2048,100,100]
conv5_3_1x1_increase/bn_gamma
conv5_3_1x1_increase/bn_beta
conv5_3_1x1_increase/bn BN [[32,2048,100,100],[2048],[2048],[2048],[2048]]
conv5_3 sum [32,2048,100,100]
conv5_3_relu RELU [32,2048,100,100]
fc1_cityscapes_c0_bias
fc1_cityscapes_c0_weight
fc1_cityscapes_c1_bias
fc1_cityscapes_c1_weight
fc1_cityscapes_c2_bias
fc1_cityscapes_c2_weight
fc1_cityscapes_c3_bias
fc1_cityscapes_c3_weight
fc1_cityscapes_c0 CONV [32,304,100,100]
fc1_cityscapes_c1 CONV [32,304,100,100]
fc1_cityscapes_c2 CONV [32,304,100,100]
fc1_cityscapes_c3 CONV [32,304,100,100]
fc1_cityscapes sum [32,304,100,100]
reshape_attr_tensor892
cls_score_reshape RSHP [32,19,10000]
seg_loss SFT [32,19,10000]