DeepSpeech
25 tensors total (3.5 GB)
29464616 params total (112.4 MB)

output_1_24
12x2000x40 (3.7 MB)

logsoftmax_1_23
12x2000x40 (3.7 MB)

permute_1_22
12x2000x40 (3.7 MB)

linear_5_21
2000x12x40 (3.7 MB)
params: x1, 40x2048
@out

@fc4
(FullyConnected)

hardtanh_4_20
2000x12x2048 (187.5 MB)

relu_4_19
2000x12x2048 (187.5 MB)

linear_4_18
2000x12x2048 (187.5 MB)
params: x1, 2048x2048
@fc4.fc

add_1_17
2000x12x2048 (187.5 MB)

getitem_1_15
2000x12x2048 (187.5 MB)

getitem_2_16
2000x12x2048 (187.5 MB)

@bi_rnn
(RNN)

rnnrelu_1_14:1
2000x12x4096 (375.0 MB)
params: x1, x1, 2048x2048, 2048x2048, x1, x1, 2048x2048, 2048x2048

rnnrelu_1_14:2
2x12x2048 (192.1 KB)
params: x1, x1, 2048x2048, 2048x2048, x1, x1, 2048x2048, 2048x2048

arg 0
arg 0
arg 1
arg 1

transpose_1_12
2000x12x2048 (187.5 MB)

zeros_1_13
2x12x2048 (192.1 KB)

squeeze_1_11
12x2000x2048 (187.5 MB)

@fc3
(FullyConnected)

hardtanh_3_10
12x2000x2048 (187.5 MB)

relu_3_9
12x2000x2048 (187.5 MB)

linear_3_8
12x2000x2048 (187.5 MB)
params: x1, 2048x2048
@fc3.fc

@fc2
(FullyConnected)

hardtanh_2_7
12x2000x2048 (187.5 MB)

relu_2_6
12x2000x2048 (187.5 MB)

linear_2_5
12x2000x2048 (187.5 MB)
params: x1, 2048x2048
@fc2.fc

@fc1
(FullyConnected)

hardtanh_1_4
12x2000x2048 (187.5 MB)

relu_1_3
12x2000x2048 (187.5 MB)

linear_1_2
12x2000x2048 (187.5 MB)
params: x1, 2048x3
@fc1.fc

input_1_1
12x2000x3 (281.4 KB)