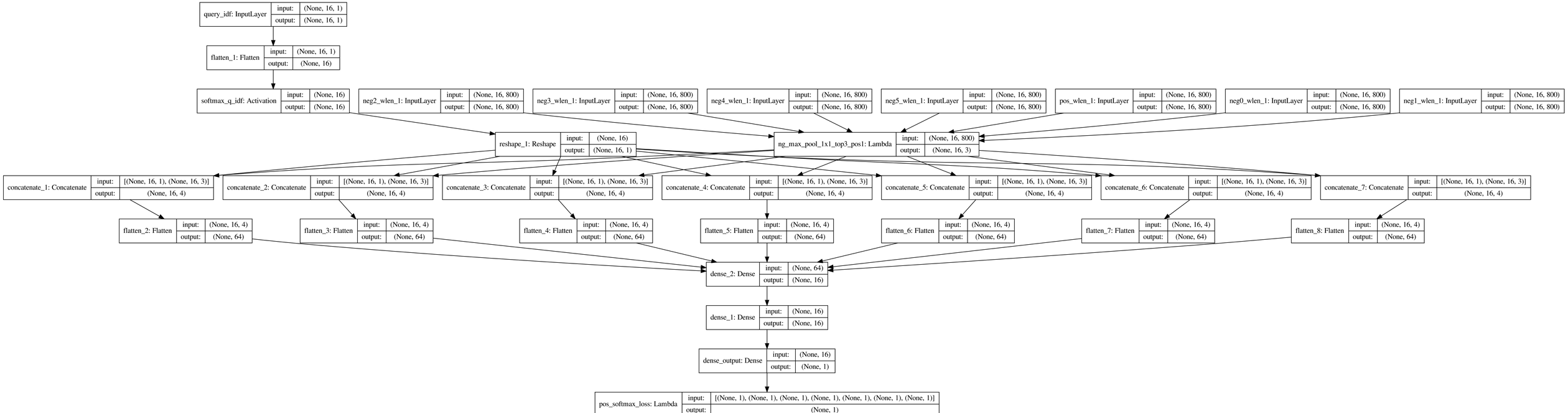
query_idf: InputLayer
input: (None, 16, 1)
output: (None, 16, 1)
flatten_1: Flatten
input: (None, 16, 1)
output: (None, 16)
softmax_q_idf: Activation
input: (None, 16)
output: (None, 16)
neg2_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
neg3_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
neg4_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
neg5_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
pos_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
neg0_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
neg1_wlen_1: InputLayer
input: (None, 16, 800)
output: (None, 16, 800)
reshape_1: Reshape
input: (None, 16)
output: (None, 16, 1)
ng_max_pool_1x1_top3_pos1: Lambda
input: (None, 16, 800)
output: (None, 16, 3)
concatenate_1: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_2: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_3: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_4: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_5: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_6: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
concatenate_7: Concatenate
input: [(None, 16, 1), (None, 16, 3)]
output: (None, 16, 4)
flatten_2: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_3: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_4: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_5: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_6: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_7: Flatten
input: (None, 16, 4)
output: (None, 64)
flatten_8: Flatten
input: (None, 16, 4)
output: (None, 64)
dense_2: Dense
input: (None, 64)
output: (None, 16)
dense_1: Dense
input: (None, 16)
output: (None, 16)
dense_output: Dense
input: (None, 16)
output: (None, 1)
pos_softmax_loss: Lambda
input: [(None, 1), (None, 1), (None, 1), (None, 1), (None, 1), (None, 1), (None, 1)]
output: (None, 1)