from twml.contrib.pruning import apply\_mask

from twml.layers import Layer

class MaskLayer(Layer):

"""

This layer corresponds to `twml.contrib.pruning.apply\_mask`.

It applies a binary mask to mask out channels of a given tensor. The masks can be

optimized using `twml.contrib.trainers.PruningDataRecordTrainer`.

"""

def call(self, inputs, \*\*kwargs):

"""

Applies a binary mask to the channels of the input.

Arguments:

inputs:

input tensor

\*\*kwargs:

additional keyword arguments

Returns:

Masked tensor

"""

return apply\_mask(inputs)

def compute\_output\_shape(self, input\_shape):

return input\_shape