import tensorflow.compat.v1 as tf

class PartitionInitializer(tf.keras.initializers.Initializer):

"""Required to initialize partitioned weight with numpy array for tests"""

def \_\_init\_\_(self, np\_array):

self.np\_array = np\_array

def \_\_call\_\_(self, shape, dtype=None, partition\_info=None):

offset = partition\_info.var\_offset

ix0, ix1 = offset[0], offset[0] + shape[0]

iy0, iy1 = offset[1], offset[1] + shape[1]

return self.np\_array[ix0:ix1, iy0:iy1]