**Example 1:**

tmp\_list = []  
for v in detection\_model.trainable\_variables:  
if v.name.startswith('ResNet50V1\_FPN/bottom\_up\_block5'):  
  tmp\_list.append(v)

**Example 2:**

# Select variables in top layers to fine-tune.

trainable\_variables = detection\_model.trainable\_variables

to\_fine\_tune = []

prefixes\_to\_train = [

'WeightSharedConvolutionalBoxPredictor/WeightSharedConvolutionalBoxHead',

'WeightSharedConvolutionalBoxPredictor/WeightSharedConvolutionalClassHead']

for var in trainable\_variables:

  if any([var.name.startswith(prefix) for prefix in prefixes\_to\_train]):

    to\_fine\_tune.append(var)