input_1: InputLayer   input: [(?, 224, 224, 3)]   output: [(?, 224, 224, 3)]   conv1_pad: ZeroPadding2D   input: (?, 224, 224, 3)   output: (?, 225, 225, 3)
conv1: Conv2D input: (?, 225, 225, 3) output: (?, 112, 112, 32)  conv1 bn: BatchNormalization input: (?, 112, 112, 32)
conv1_relu: ReLU
conv_dw_1: DepthwiseConv2D       input: (?, 112, 112, 32) output: (?, 112, 112, 32)         conv_dw_1_bn: BatchNormalization       input: (?, 112, 112, 32) output: (?, 112, 112, 32) output: (?, 112, 112, 32)
conv_dw_1_relu: ReLU
conv_pw_1_bn: BatchNormalization input: (?, 112, 112, 64) output: (?, 112, 112, 64)  conv_pw_1_relu: ReLU input: (?, 112, 112, 64) output: (?, 112, 112, 64)
conv_pad_2: ZeroPadding2D input: (?, 112, 112, 64) output: (?, 113, 113, 64) input: (?, 113, 113, 64)
conv_dw_2: DepthwiseConv2D
conv_dw_2_relu: ReLU input: (?, 56, 56, 64)  output: (?, 56, 56, 64)  conv_pw_2: Conv2D input: (?, 56, 56, 64)  output: (?, 56, 56, 64)  output: (?, 56, 56, 64)
conv_pw_2_bn: BatchNormalization input: (?, 56, 56, 128)  output: (?, 56, 56, 128)  conv_pw_2_relu: ReLU input: (?, 56, 56, 128)  output: (?, 56, 56, 128)
conv_dw_3: DepthwiseConv2D
conv_dw_3_relu: ReLU input: (?, 56, 56, 128) output: (?, 56, 56, 128) input: (?, 56, 56, 128)
conv_pw_3: Conv2D output: (?, 56, 56, 128)  conv_pw_3_bn: BatchNormalization output: (?, 56, 56, 128)  conv_pw_3_bn: Graph output: (?, 56, 56, 128)  conv_pw_3_bn: BatchNormalization output: (?, 56, 56, 128)
conv_pw_3_relu: ReLU input: (?, 56, 56, 128)  output: (?, 56, 56, 128)  conv_pad_4: ZeroPadding2D output: (?, 56, 56, 128)  output: (?, 56, 56, 128)  output: (?, 56, 56, 128)
conv_dw_4: DepthwiseConv2D       input: (?, 57, 57, 128)         output: (?, 28, 28, 128)         conv_dw_4_bn: BatchNormalization       input: (?, 28, 28, 128)         output: (?, 28, 28, 128)
conv_dw_4_relu: ReLU input: (?, 28, 28, 128) output: (?, 28, 28, 128)  conv_pw_4: Conv2D input: (?, 28, 28, 128)
output: (?, 28, 28, 256)  conv_pw_4_bn: BatchNormalization
conv_pw_4_relu: ReLU
conv_dw_5_bn: BatchNormalization   input: (?, 28, 28, 256)     output: (?, 28, 28, 256)     conv_dw_5_relu: ReLU   input: (?, 28, 28, 256)     output: (?, 28, 28, 256)
conv_pw_5: Conv2D input: (?, 28, 28, 256) output: (?, 28, 28, 256)  conv_pw_5_bn: BatchNormalization input: (?, 28, 28, 256) output: (?, 28, 28, 256) output: (?, 28, 28, 256)
conv_pw_5_relu: ReLU
conv_dw_6: DepthwiseConv2D input: (?, 29, 29, 256) output: (?, 14, 14, 256)
conv_dw_6_bn: BatchNormalization
conv_pw_6: Conv2D input: (?, 14, 14, 256) output: (?, 14, 14, 512)  conv_pw_6_bn: BatchNormalization input: (?, 14, 14, 512) output: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_pw_6_relu: ReLU
conv_dw_7_bn: BatchNormalization input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv_dw_7_relu: ReLU input: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_pw_7: Conv2D input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv pw 7 bn: BatchNormalization input: (?, 14, 14, 512)
conv_pw_7_relu: ReLU
conv_dw_8: DepthwiseConv2D       input: (?, 14, 14, 512)         output: (?, 14, 14, 512)         conv_dw_8_bn: BatchNormalization       input: (?, 14, 14, 512)         output: (?, 14, 14, 512)         output: (?, 14, 14, 512)
conv_dw_8_relu: ReLU input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv_pw_8: Conv2D input: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_pw_8_bn: BatchNormalization input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv_pw_8_relu: ReLU input: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_dw_9: DepthwiseConv2D
conv_dw_9_relu: ReLU input: (?, 14, 14, 512) output: (?, 14, 14, 512) input: (?, 14, 14, 512)
conv_pw_9: Conv2D output: (?, 14, 14, 512)  conv_pw_9_bn: BatchNormalization output: (?, 14, 14, 512)  output: (?, 14, 14, 512)
conv_pw_9_relu: ReLU input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv_dw_10: DepthwiseConv2D input: (?, 14, 14, 512) output: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_dw_10_bn: BatchNormalization
conv_pw_10: Conv2D input: (?, 14, 14, 512) output: (?, 14, 14, 512)  conv_pw_10_bn: BatchNormalization output: (?, 14, 14, 512) output: (?, 14, 14, 512) output: (?, 14, 14, 512)
conv_pw_10_relu: ReLU
conv_dw_11_bn: BatchNormalization
conv_pw_11: Conv2D   input: (?, 14, 14, 512)   output: (?, 14, 14, 512)
conv_pw_11_bn: BatchNormalization   input:   (?, 14, 14, 512)   output:   (?, 14, 14, 512)   conv_pw_11_relu: ReLU   input:   (?, 14, 14, 512)   output:   (?, 14, 14, 512)   output:   (?, 14, 14, 512)
conv_pad_12: ZeroPadding2D       input: (?, 14, 14, 512)         output: (?, 15, 15, 512)         conv_dw_12: DepthwiseConv2D       input: (?, 15, 15, 512)         output: (?, 7, 7, 512)
conv_dw_12_bn: BatchNormalization
conv_pw_12: Conv2D input: (?, 7, 7, 512) output: (?, 7, 7, 1024)  conv_pw_12_bn: BatchNormalization input: (?, 7, 7, 1024)
conv_pw_12_relu: ReLU input: (?, 7, 7, 1024)  output: (?, 7, 7, 1024)  output: (?, 7, 7, 1024)  input: (?, 7, 7, 1024)
conv_dw_13: DepthwiseConv2D output: (?, 7, 7, 1024)  conv_dw_13_bn: BatchNormalization output: (?, 7, 7, 1024)  output: (?, 7, 7, 1024)  output: (?, 7, 7, 1024)
conv_dw_13_relu: ReLU input: (?, 7, 7, 1024) output: (?, 7, 7, 1024)  conv_pw_13: Conv2D input: (?, 7, 7, 1024) output: (?, 7, 7, 1024)
conv_pw_13_bn: BatchNormalization   input: (?, 7, 7, 1024)   output: (?, 7, 7, 1024)   conv_pw_13_relu: ReLU   input: (?, 7, 7, 1024)   output: (?, 7, 7, 1024)
global_average_pooling2d: GlobalAveragePooling2D
dropout: Dropout input: (?, 1, 1, 1024) output: (?, 1, 1, 1024) conv preds: Conv2D input: (?, 1, 1, 1024)
reshape_2: Reshape input: (?, 1, 1, 1000)    input: (?, 1, 1, 1000)     input: (?, 1000)
predictions: Activation input: (?, 1000) output: (?, 1000)