```
fn (%data, %kernel -> %Conv) {
                                                                                                        Produce Conv {
                                     Produce Conv {
nn.conv2d(%data, %kernel,
                                       for (nn, 0, batch size) {
                                                                                                         for (n, 0, batch size//block) {
                                                                                                                                         wmma::mma sync(...)
data lavout="NHWC",
                                        for (yy, 0, out height) {
                                                                                                          for (h, 0, out height) {
                                                                   TVM IR (original)
kernel layout="HWIO")
                                         for (xx, 0, out width) {
                                                                                                            for (w, 0, out width) {
                                          for (ff, 0, out channel) {
                                                                                                             for (o, 0, out channel//block) {
                                                                                                                                                    GPU-TC
                                            Conv[((((nn*out channel*out height*out width) +
                                                                                                              for (rv. 0, kernel h) {
                                      (yy*out width*out channel)) + (xx*out channel)) + ff)] = 0h
                                                                                                               for (rx, 0, kernel w) {
      Relay IR
                                            for (rv. 0, kernel h) {
                                                                                                                 for (i, 0, in channel/block) {
                                             for (rx, 0, kernel w) {
                                                                                                                  for (nn, 0, block) {
                                                                                                                                       TVM IR (opt.)
                                              for (rc. 0, in channel) {
                                                                                                                   for (oo, 0, block) {
                                            Conv[((((nn*out channel*out height*out width) +
                                                                                                                    for (ii, 0, block) {
                                     (yy*out width*out channel)) + (xx*out channel)) + ff)] =
                                                                                                                     Conv[(((((n*out height*out width*out channel*block)
                                      (Conv[((((nn*out channel*out height*out width) +
                                                                                                       + (nn*out_channel*out_height*out_width)) +
                                      (yy*out width*out channel)) + (xx*out channel)) + ff)] +
                                                                                                        (h*out_width*out_channel)) + (w*out_channel)) + (o*block)) + oo)] i
                                     (data[((((((nn*in height*in width*in channel) +
                                                                                                        = (Conv[(((((n*out height*out width*out channel*block) +
                                     (yy*in width*in channel)) + (ry*in width*in channel)) +
                                                                                                        (nn*out_channel*out_height*out_width)) +
                                    I (xx*in channel)) + (rx*in channel)) +
                                                                                                       (h*out width*out channel)) + (w*out channel)) + (o*block)) + oo)]
                                    rc)]*kernel[((((ry*kernel w*in channel*out channel) +
                                                                                                       i+ (data[(((((((n*in height*in width*in channel*block) +
                                     (rx*in channel*out channel)) + (rc*out channel)) + ff)]))
                                                                                                       !(nn*in_height*in_width*in_channel)) + (h*in_width*in_channel)) +
                                      '(ry*in width*in channel)) + (w*in channel)) + (rx*in channel)) +
                                                                                                        [(i*block)) + ii)]*kernel[((((((ry*kernel_w*in_channel*out_channel) + i
                                                                                                        (rx*in_channel*out_channel)) + (i*in_channel*out_channel)) +
                                                                                                        (ii*out_channel)) + (o*block)) + oo)]))
                                      CACC
                                                          conv(...)
```