```
+ Loop Tiling
 yo, xo, ko, yi, xi, ki = s[C].tile(y, x, k, 8, 8, 8)
   for yo in range(128):
      for xo in range(128):
        C[y_0*8:y_0*8+8][x_0*8:x_0*8+8] = 0
        for ko in range(128):
          for yi in range(8):
            for xi in range(8):
              for ki in range(8):
                C[y0*8+yi][x0*8+xi] +=
                   A[ko*8+ki][vo*8+vi] * B[ko*8+ki][xo*8+xi]
+ Cache Data on Accelerator Special Buffer
 CL = s.cache write(C, vta.acc_buffer)
 AL = s.cache read(A, vta.inp buffer)
 # additional schedule steps omitted ...
+ Map to Accelerator Tensor Instructions
 s[CL].tensorize(yi, vta.gemm8x8)
   inp buffer AL[8][8], BL[8][8]
   acc buffer CL[8][8]
   for yo in range(128):
      for xo in range(128):
        VTAPushResetOp(CL)
        for ko in range(128):
          VTALoadBuffer2D(AL, A[ko*8:ko*8+8][yo*8:yo*8+8])
          VTALoadBuffer2D(BL, B[ko*8:ko*8+8][xo*8:xo*8+8])
          VTAPushGEMMOp(CL, AL, BL)
        VTAStoreBuffer2D(C[yo*8:yo*8+8,xo*8:xo*8+8], CL)
                    schedule
                                             corresponding
  schedule
                                             low-level code
                    transformation
```

A = t.placeholder((1024, 1024))
B = t.placeholder((1024, 1024))
k = t.reduce\_axis((0, 1024))

s = t.create schedule(C.op)

for y in range(1024):
 for x in range(1024):

for k in range(1024):

C[y][x] = 0

C = t.compute((1024, 1024), lambda y, x:

C[y][x] += A[k][y] \* B[k][x]

t.sum(A[k, y] \* B[k, x], axis=k))