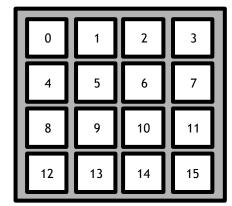
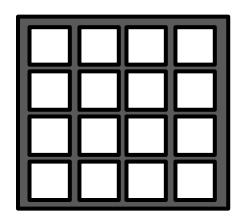
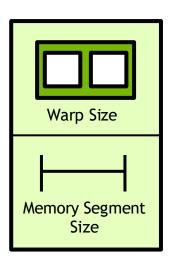
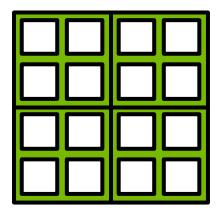


(2, 2) (2, 2) (4,4)

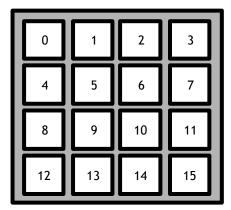


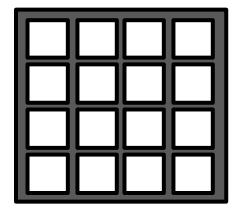


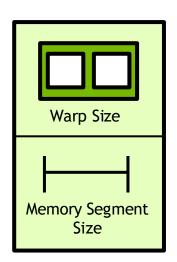


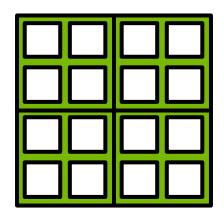


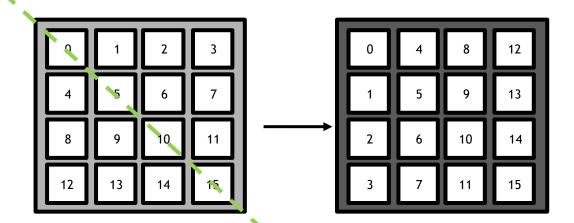
Warp 2 2



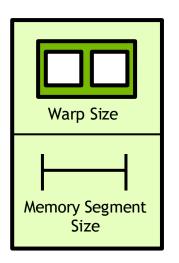


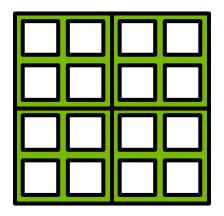








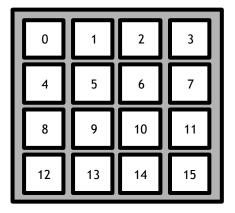


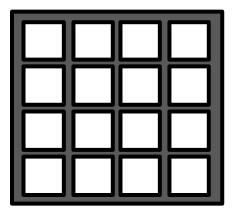


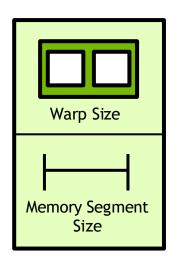
助 1

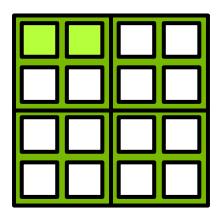
x, y = cuda.grid(2)

out[x][y] = in[y][x]



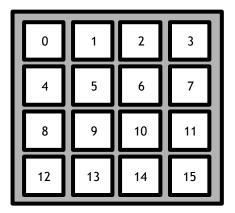


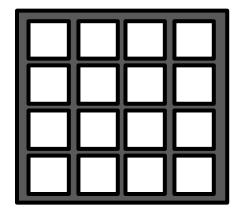


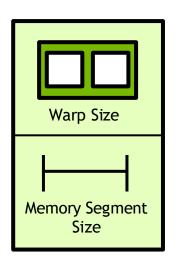


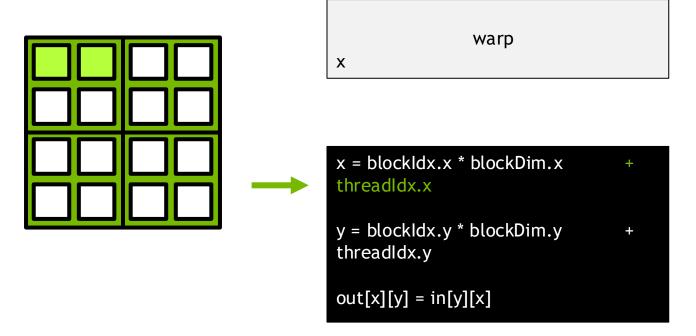
Warp

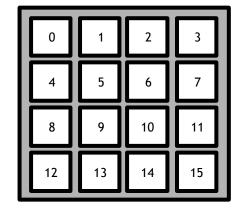
x, y = cuda.grid(2) out[x][y] = in[y][x]

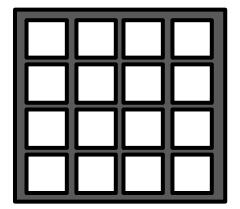


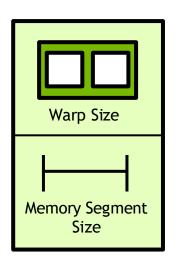


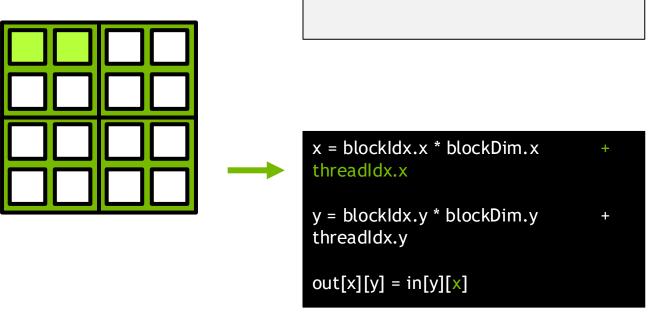


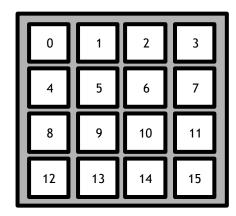


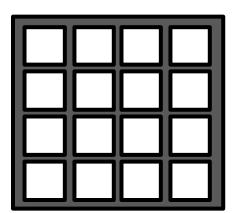




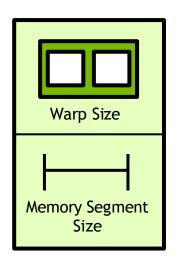


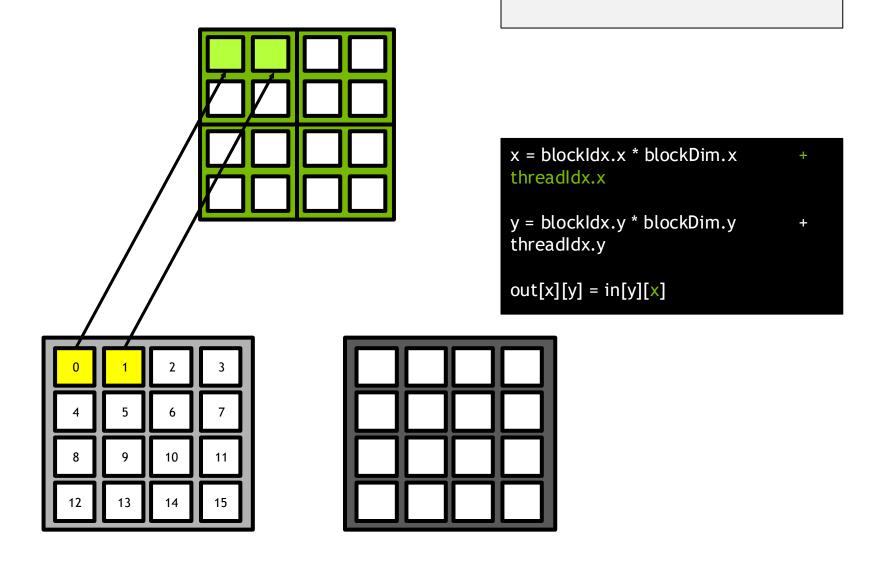


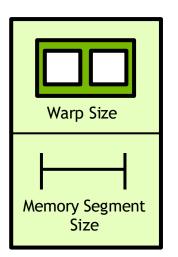


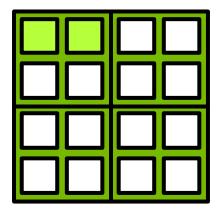










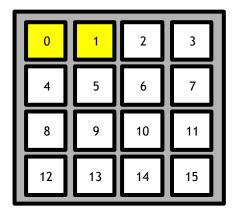


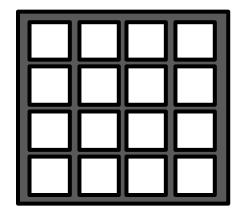
Warp

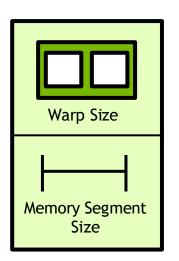
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x = blockIdx.x * blockDim.x +
threadIdx.x

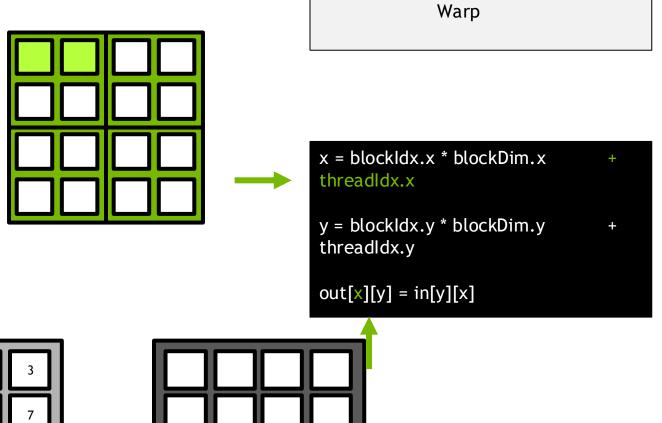
y = blockIdx.y * blockDim.y +
threadIdx.y

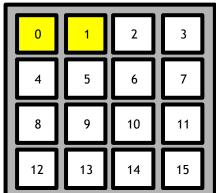
out[x][y] = in[y][x]
```

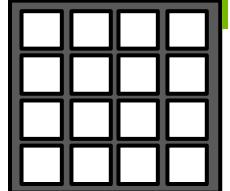


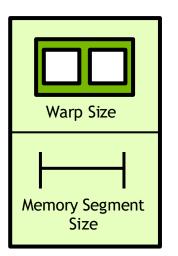


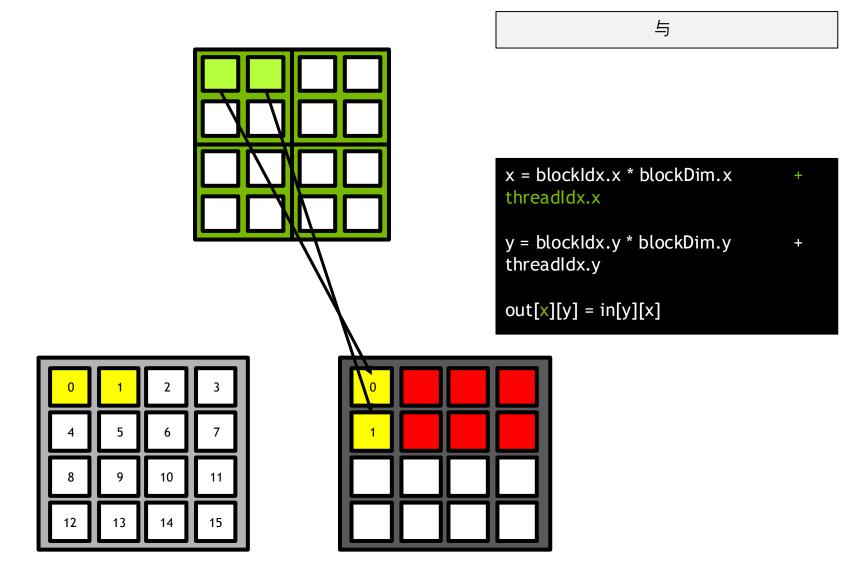


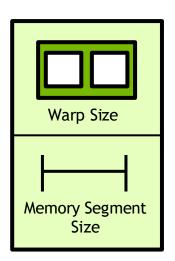


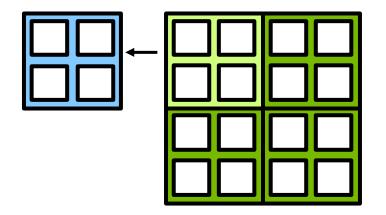






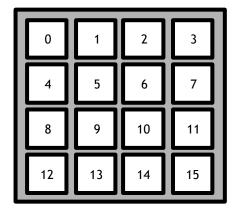


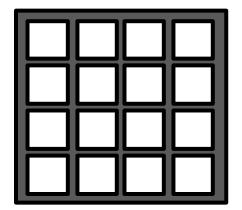




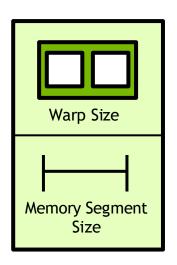
2,2

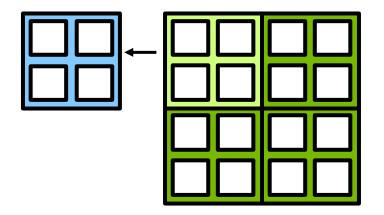
tile = cuda.shared.array(2,2)





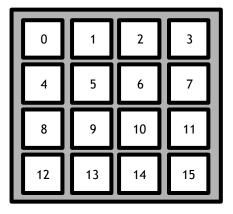


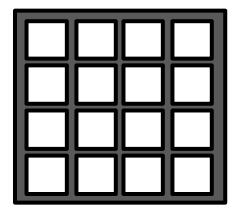




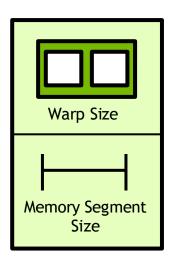
Warp 2 Warp 32

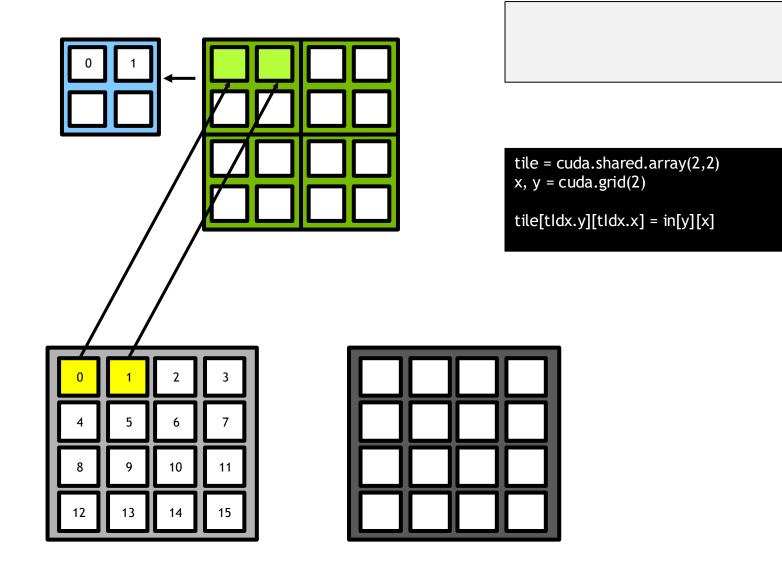
tile = cuda.shared.array(2,2)

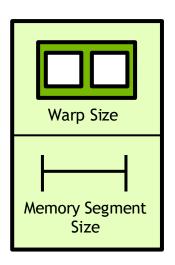


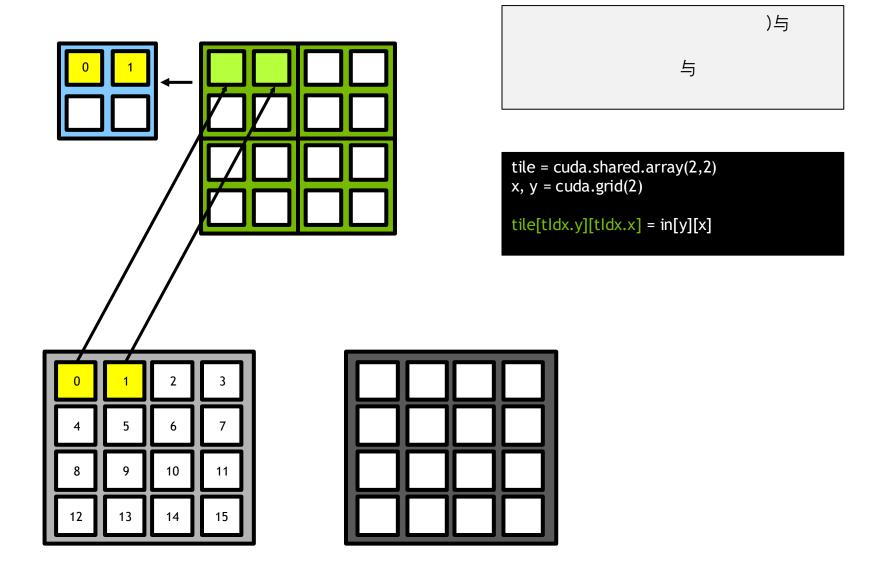


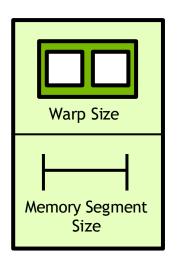


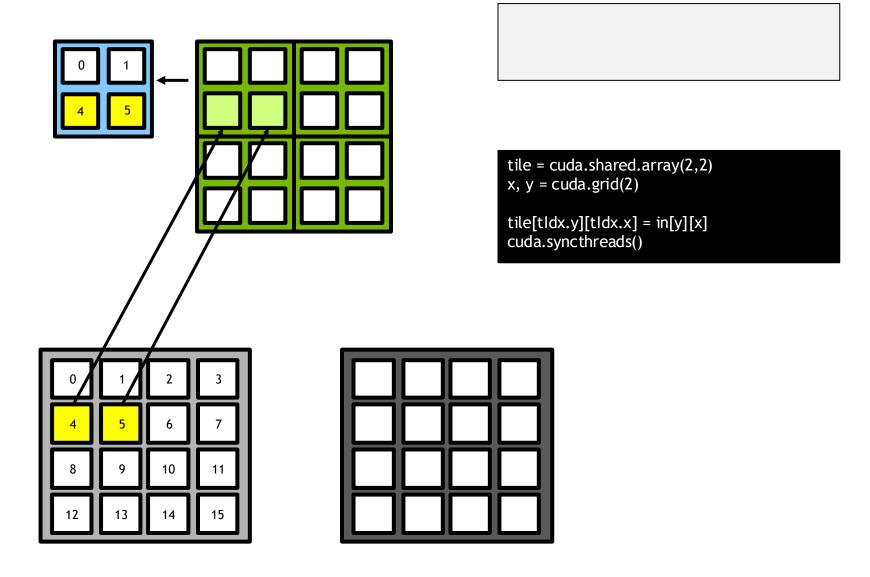


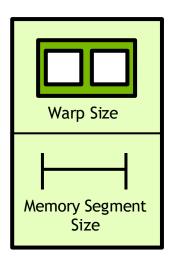


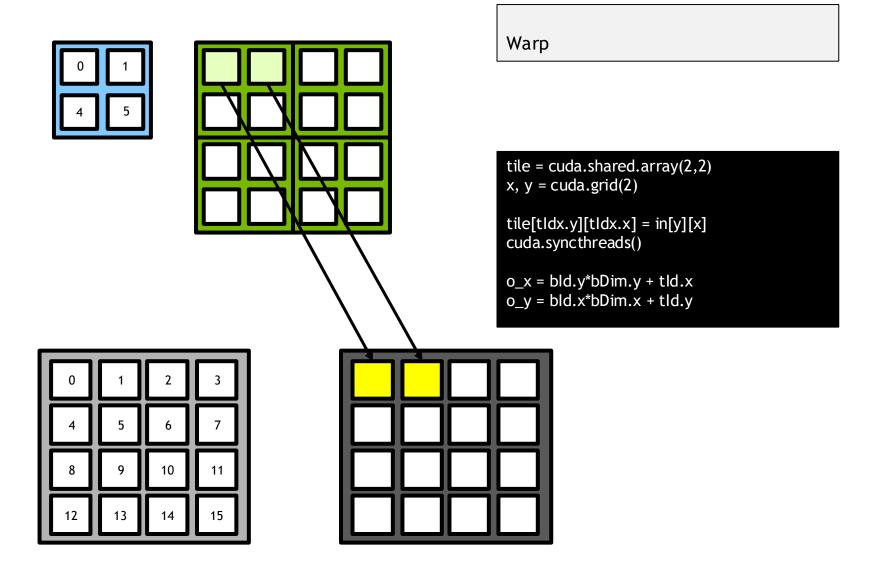


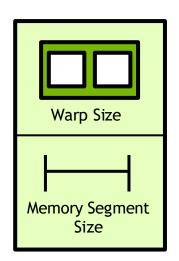


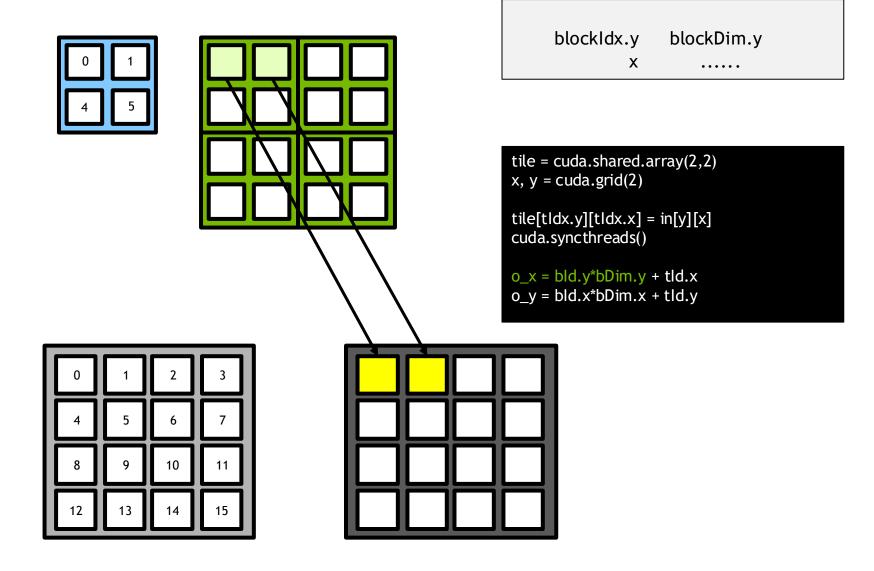


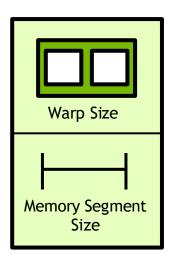


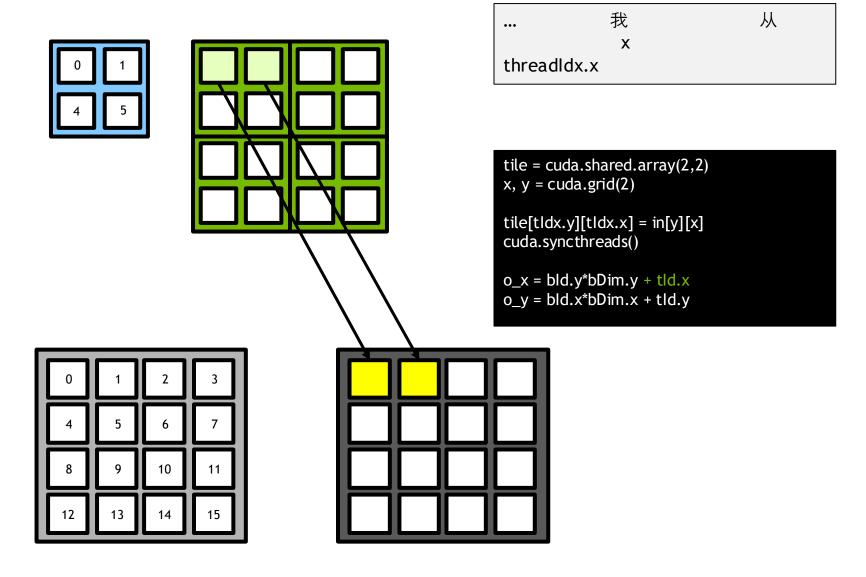


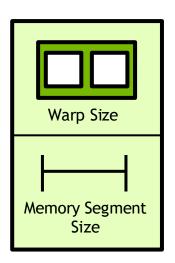


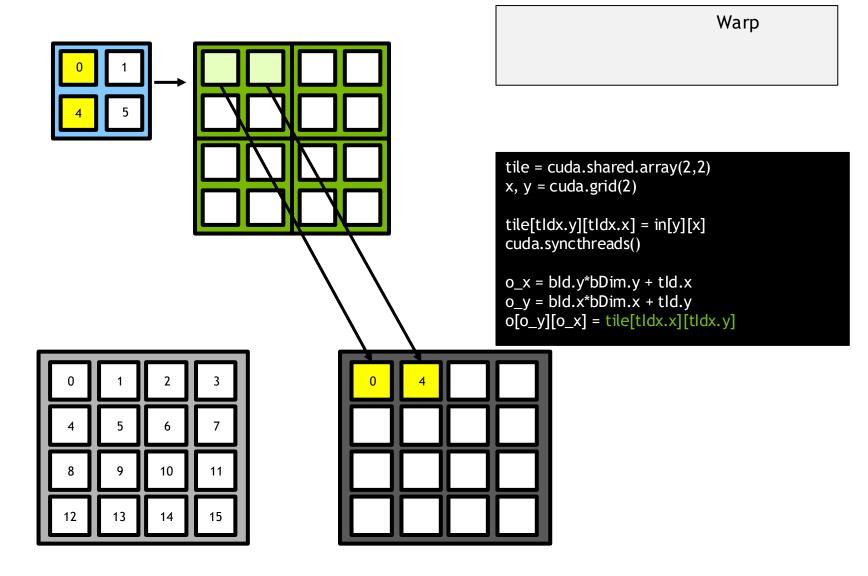


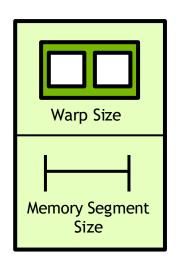


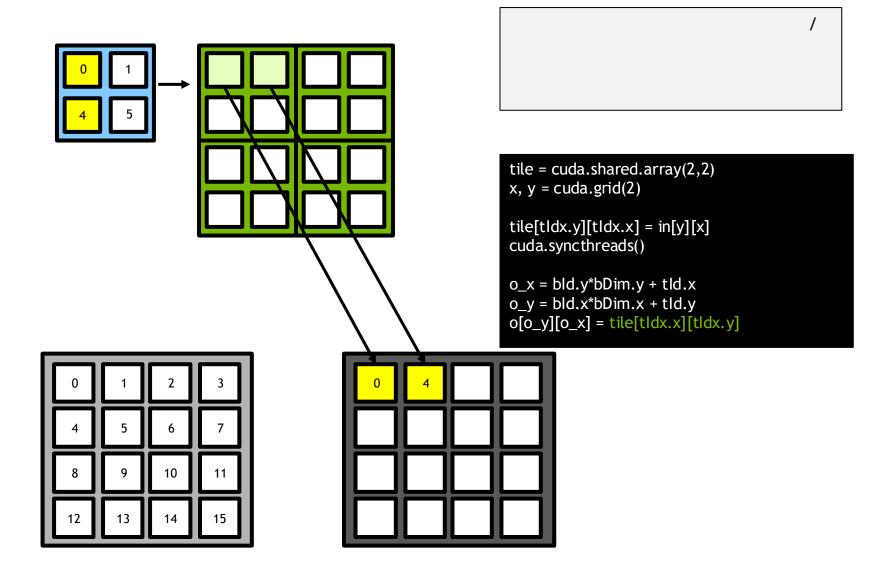


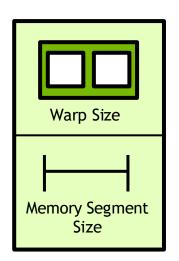


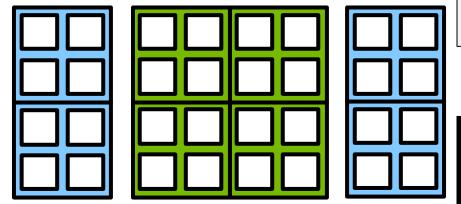


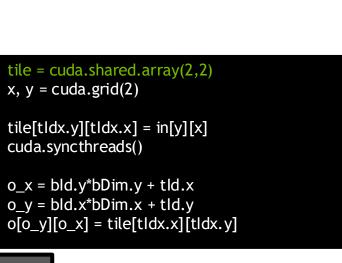


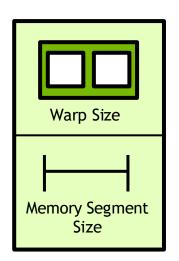


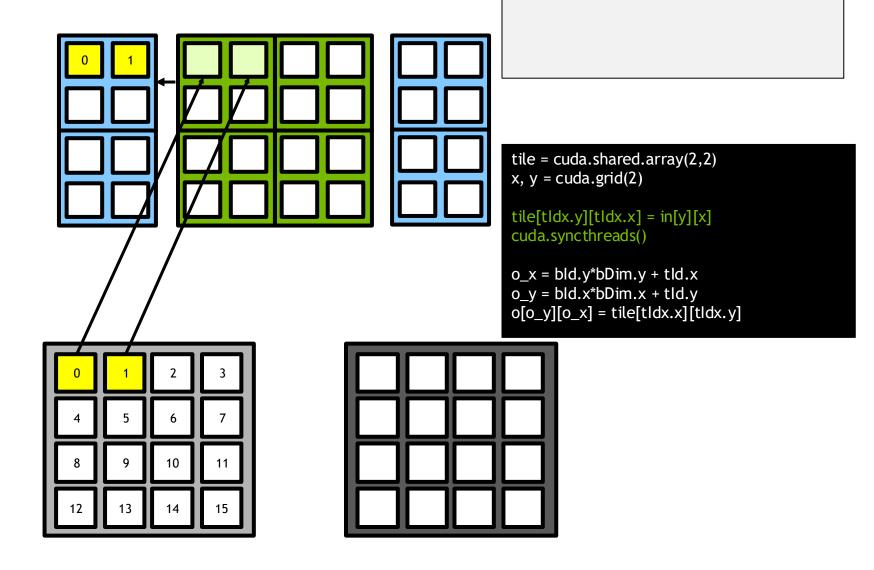


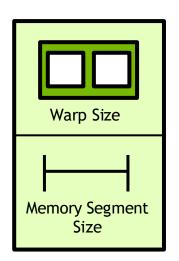


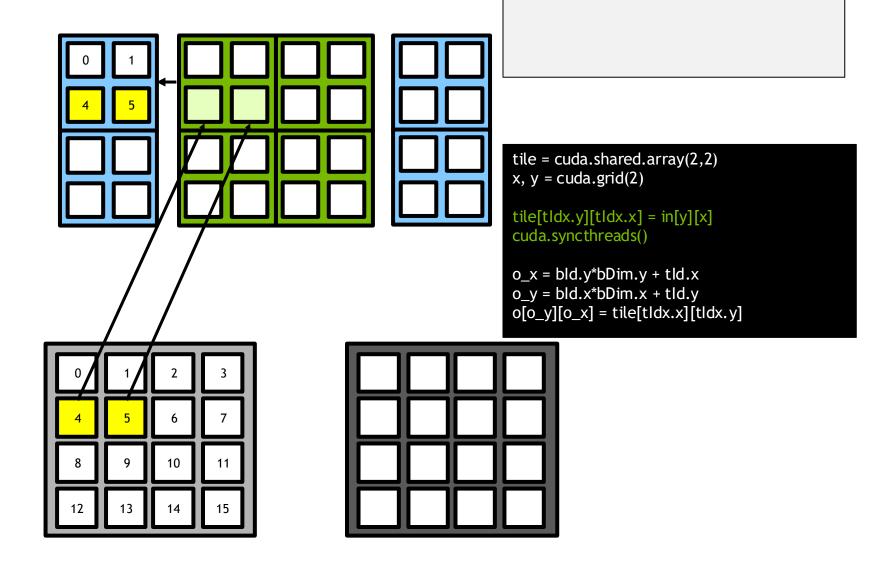


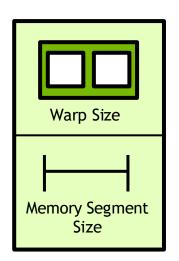


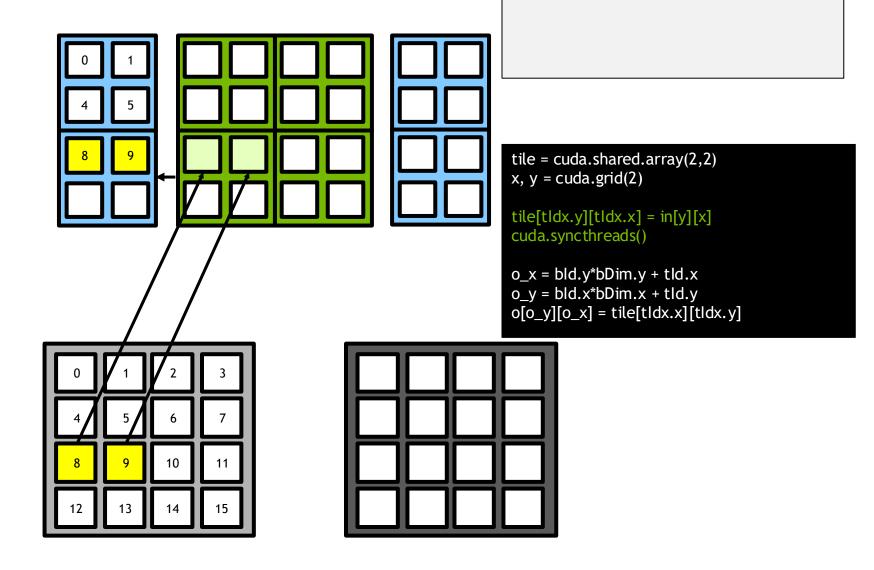


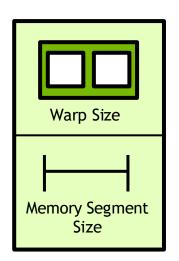


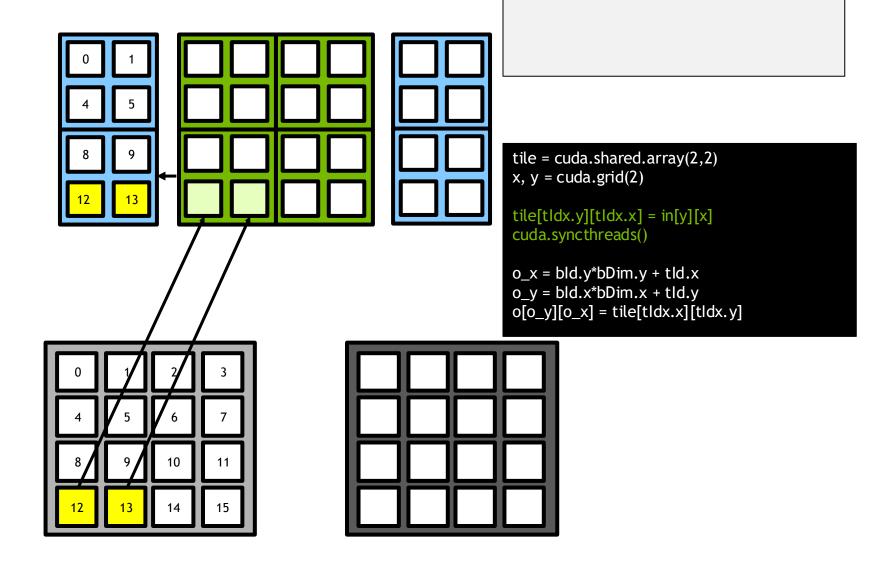


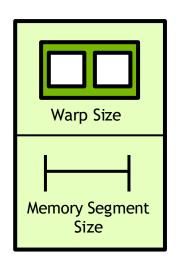


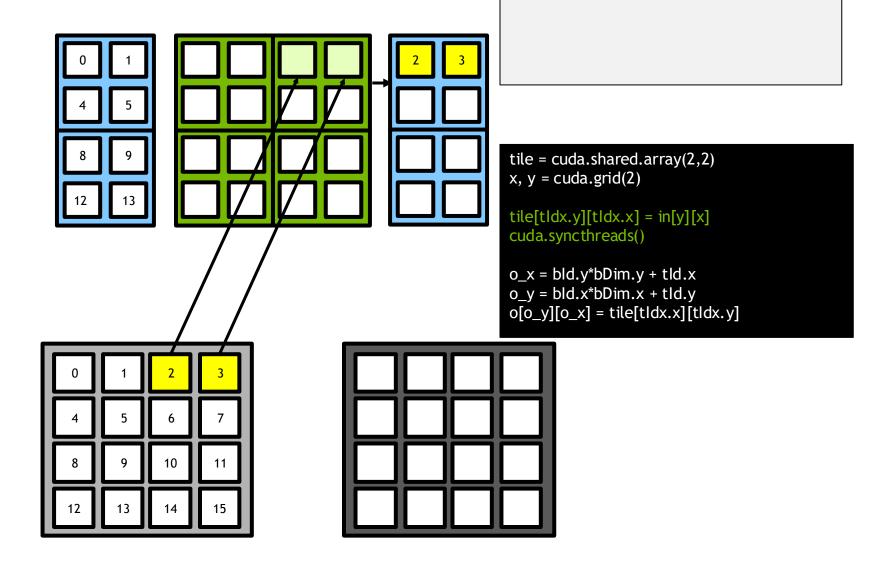


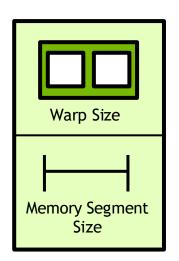


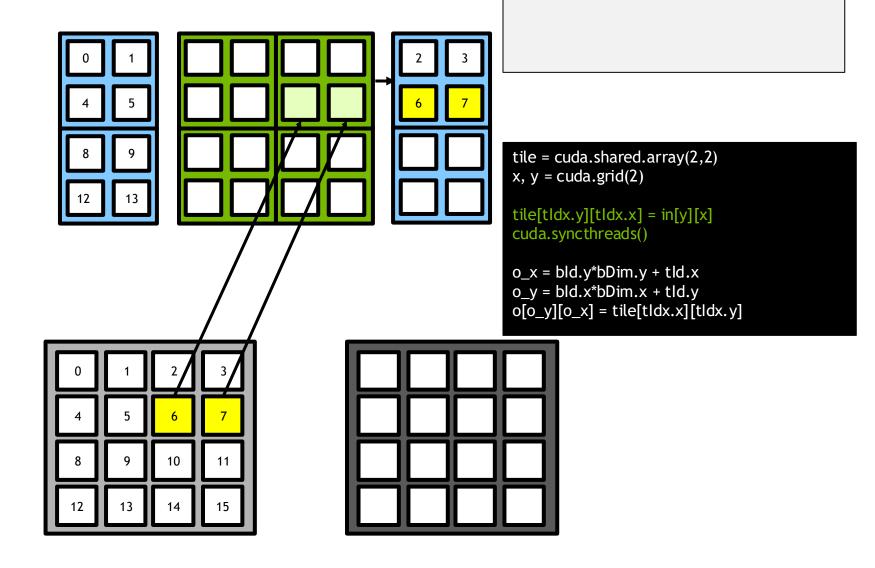


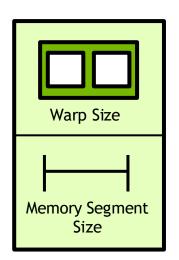


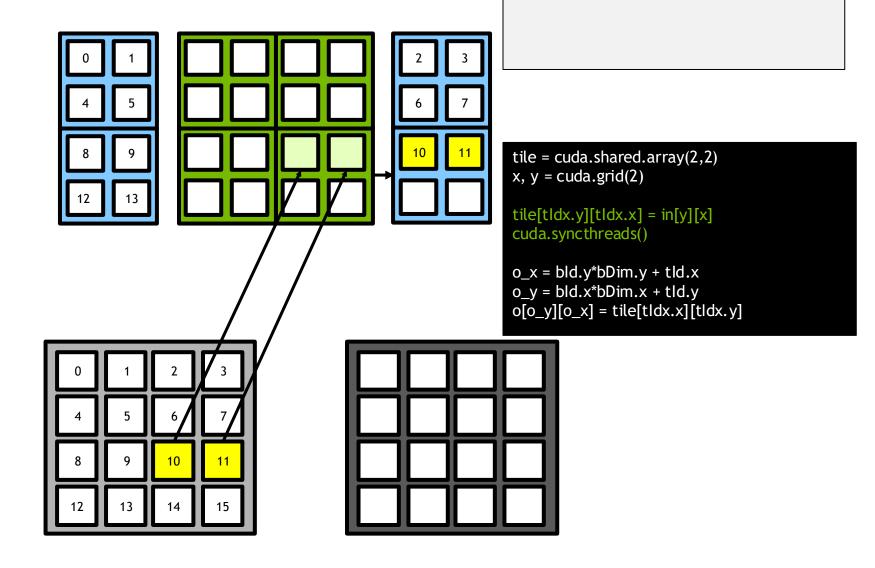


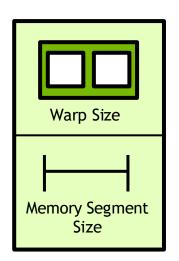


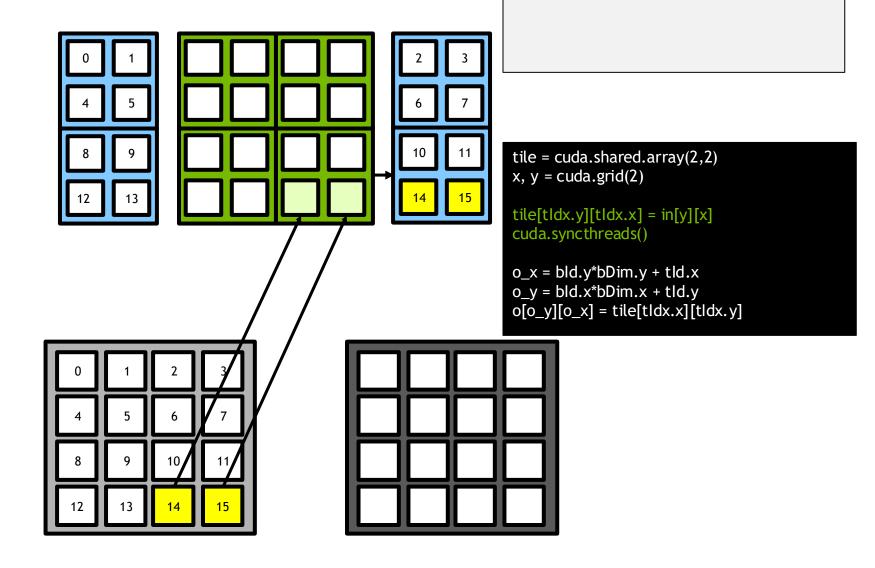


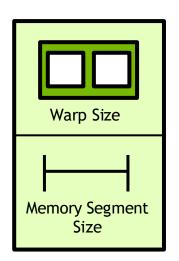


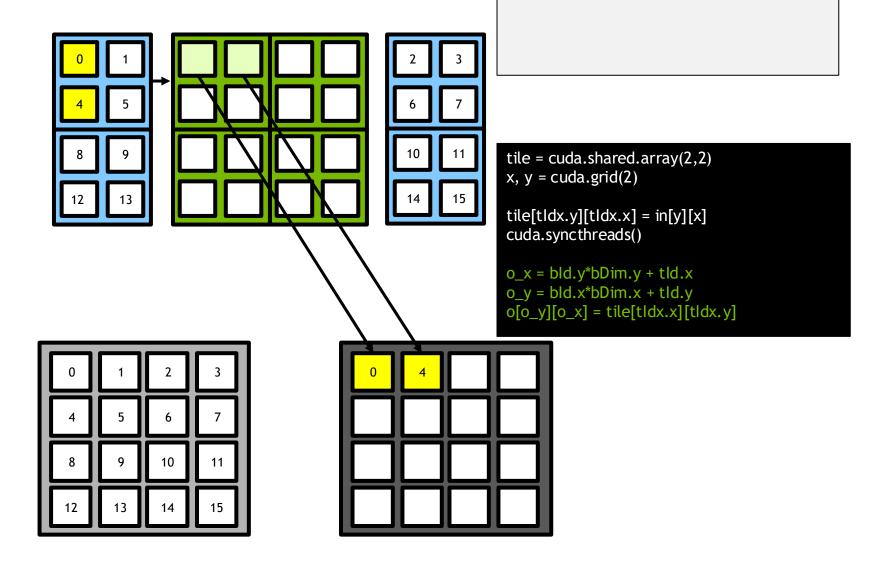


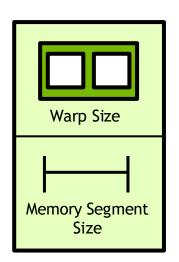


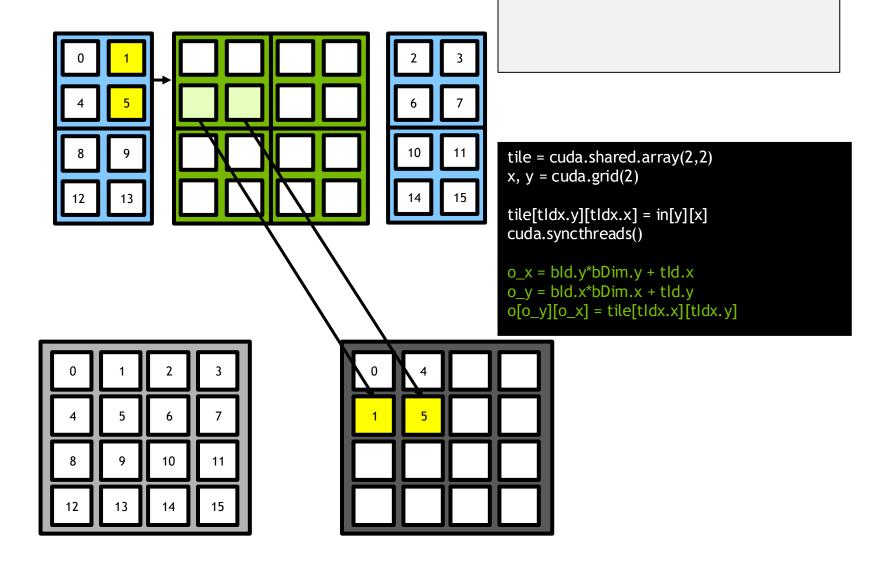


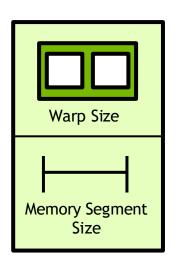


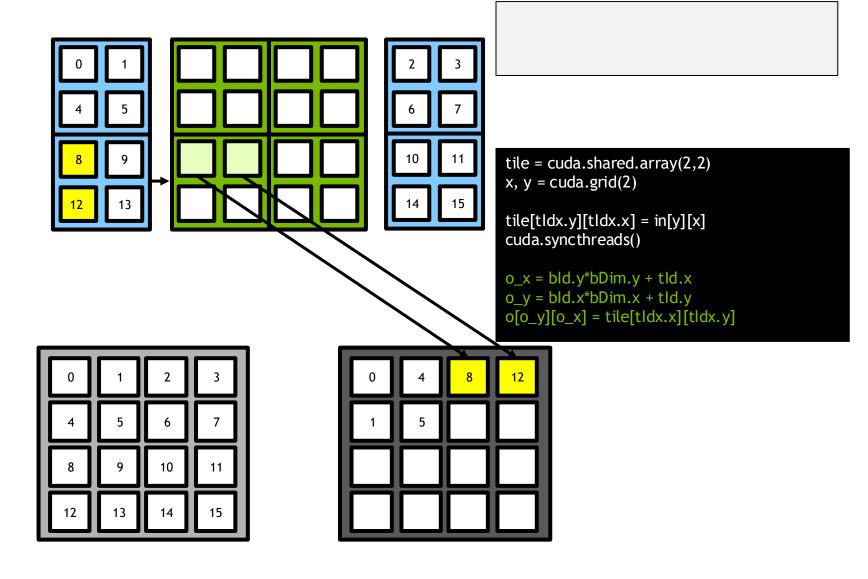


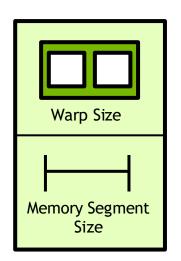


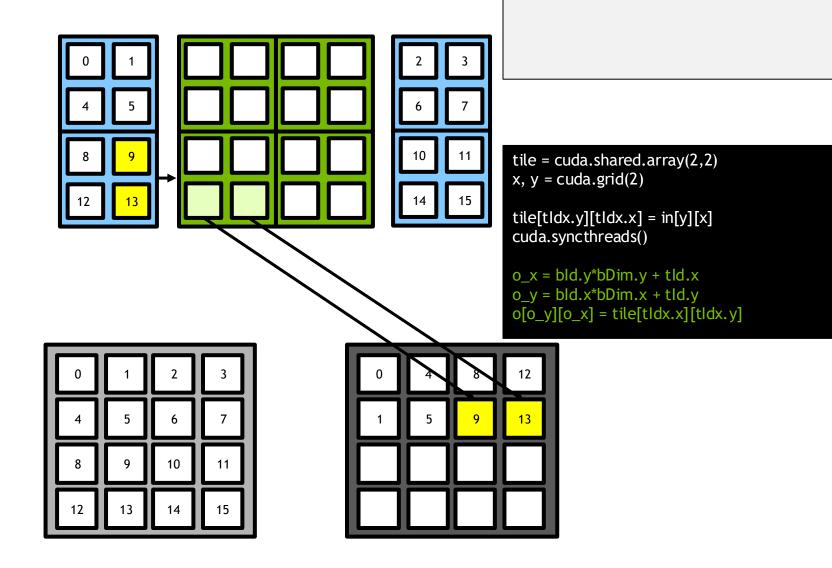


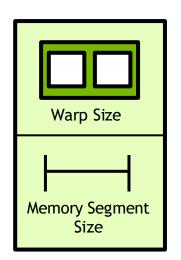


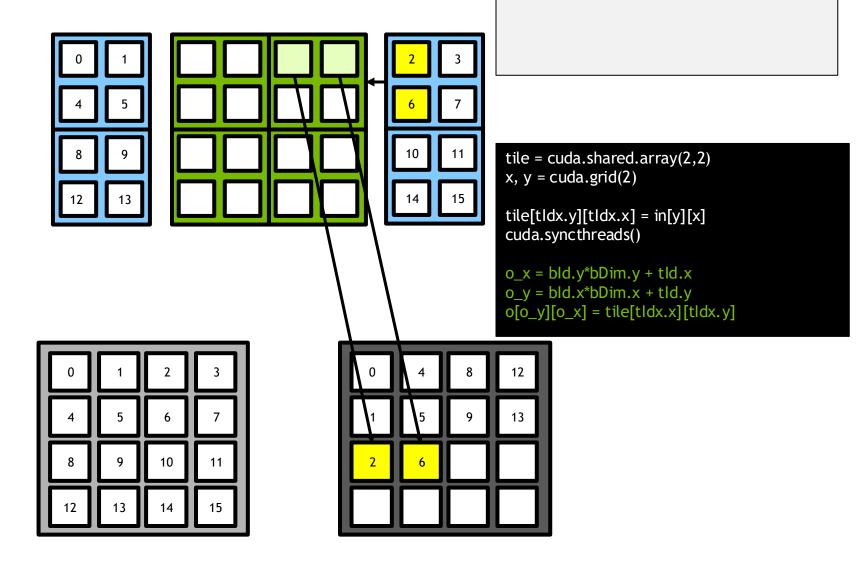


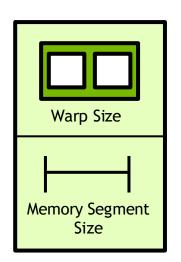


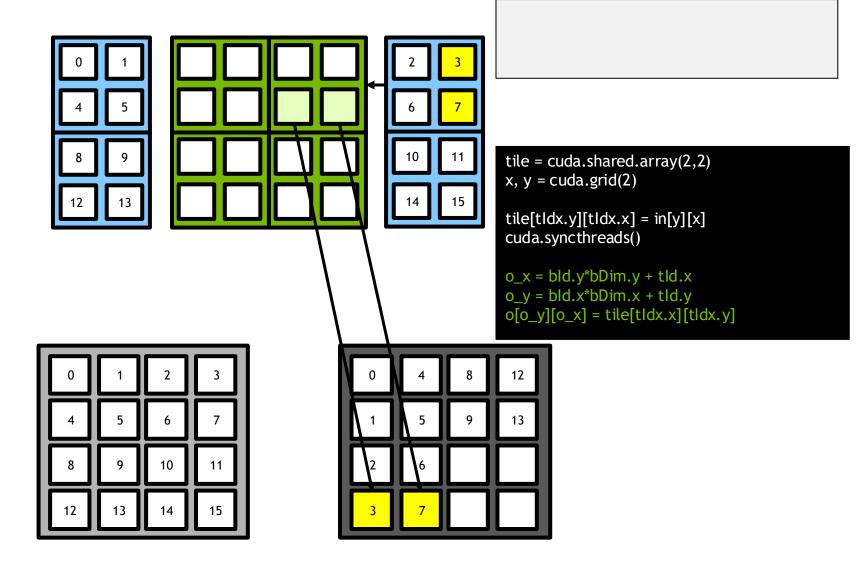


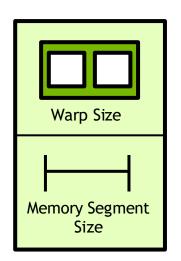


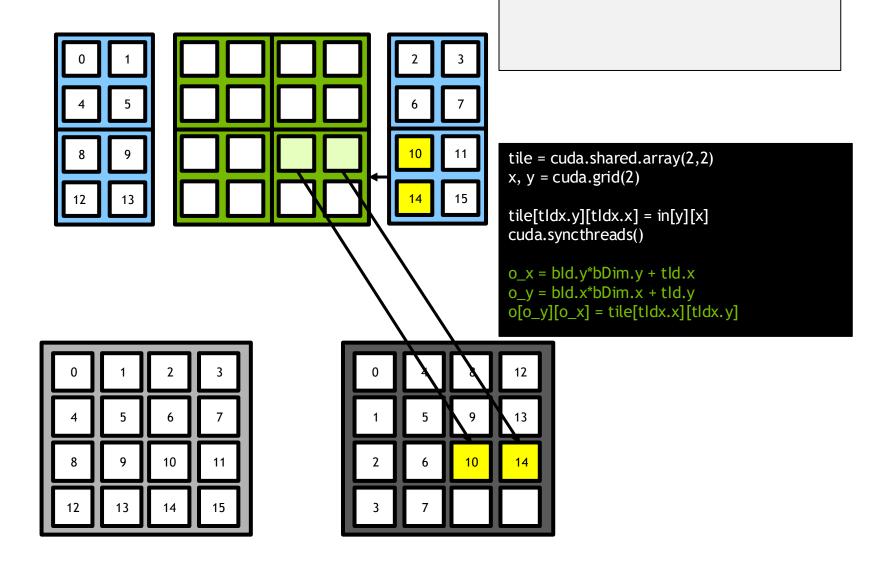


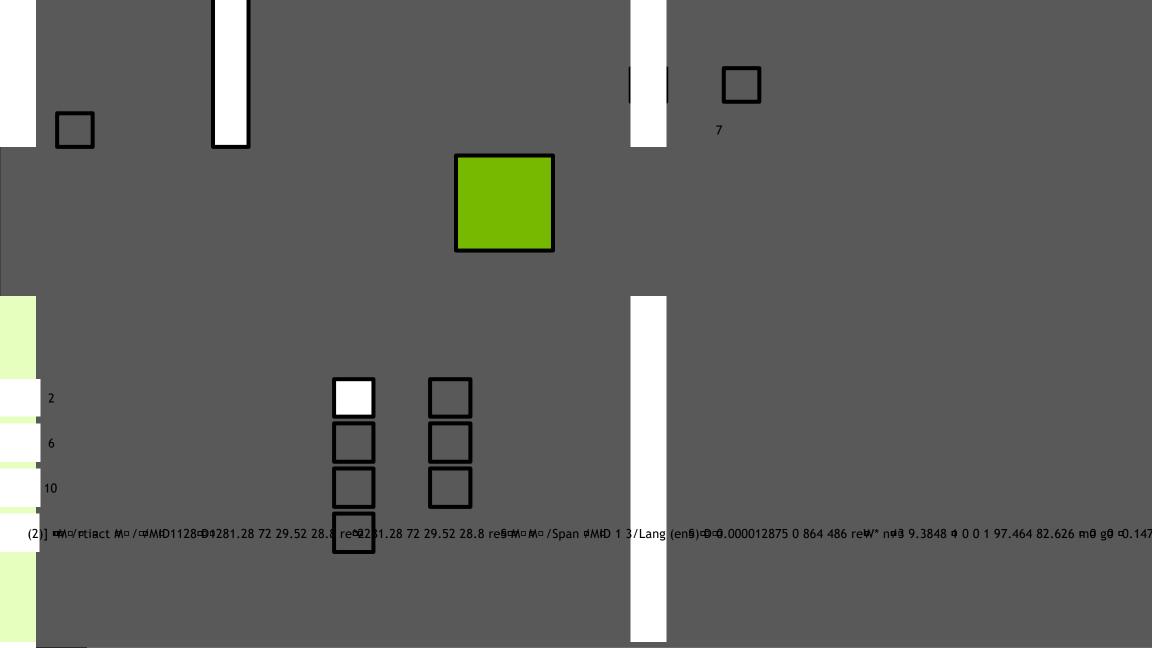


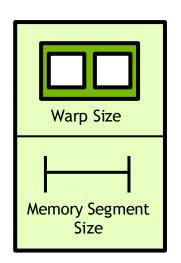


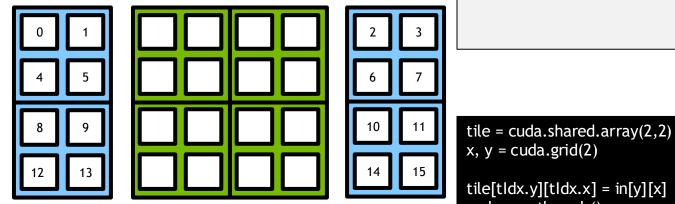




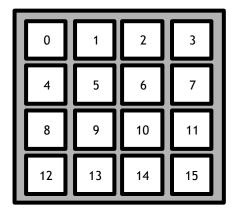


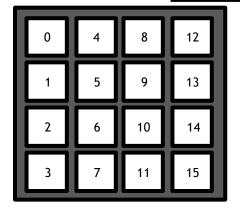






cuda.syncthreads()
o\_x = bld.y\*bDim.y + tld.x
o\_y = bld.x\*bDim.x + tld.y
o[o\_y][o\_x] = tile[tldx.x][tldx.y]









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