dot<<2,4>>(a, b, c)

blockDim.x = 4
gridDim.x = 2

Block 0
cache[0] = 69
cache[1] = 54
cache[2] = 22
cache[3] = 40

cacheIndex = threadIdx.x = 1
blockIdx.x = 0
i = 2

__synchthreads();