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

blockDim.x = 4
gridDim.x = 2

threadIdx.x = 2
blockIdx.x = 0

a = (1, 2, 3, 4, 5, 6, 7, 8, 9, 1, 1, 1, 3, 2, 5, 6)
b = (2, 4, 5, 8, 3, 5, 7, 4, 5, 6, 7, 8, 1, 1, 2, 7)

*   *

                    +

cache[2] = 22

Block 0	Block 1
cache[0] = 47	cache[0] =
cache[1] = 14	cache[1] =
cache[2] = 22	cache[2] =
cache[3] =	cache[3] =