Convolution

kernel: 1x1
stride: 1
padding: 0

kernel weight shape

$[C, C_{in}, 1, 1]$ in Pytorch

1. **C class embeddings with dim of C_{in}**
2. **conv op as inner product**

Class Embeddings

C

C_{in}

pick up one embedding

inner product

H

W

C_{in}

H

W

1