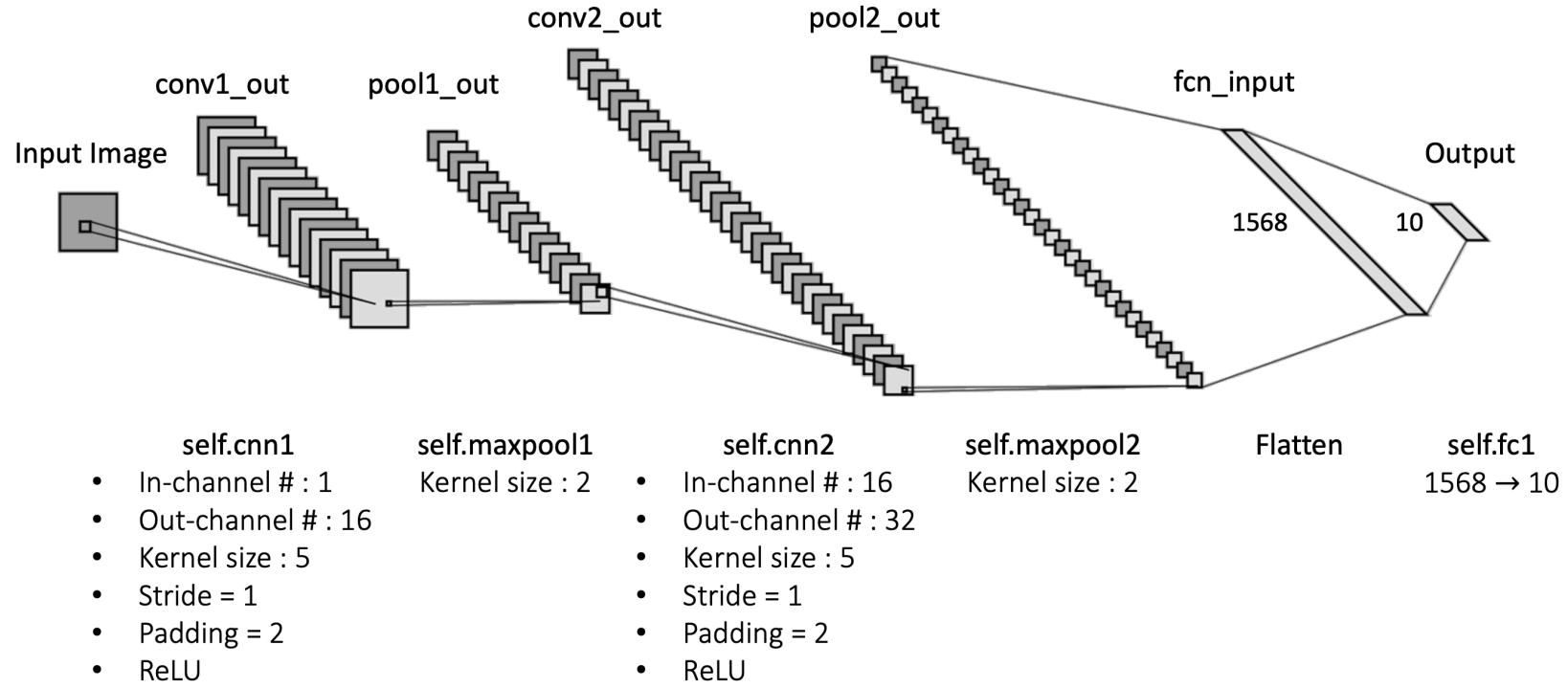
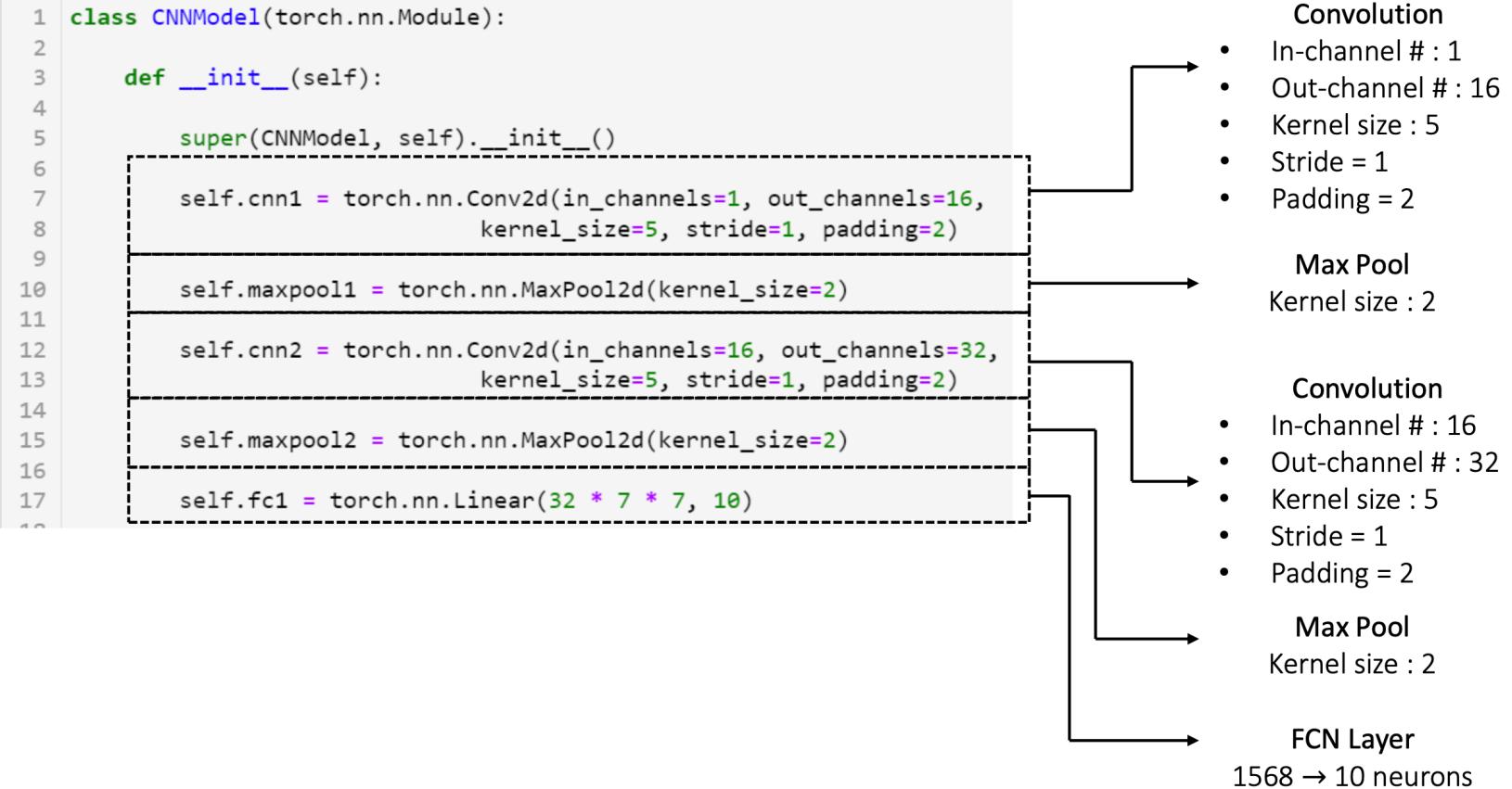


Implementation - Pytorch

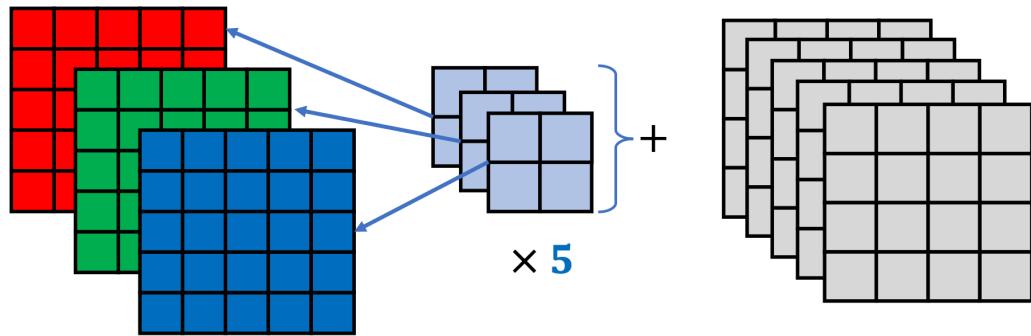


Implementation - Pytorch



Implementation - Pytorch

```
torch.nn.Conv2d(  
    in_channels: 3  
    out_channels: 5  
    kernel_size: 2  
)
```



Input
(1x3x5x5)

Kernels
(5x3x2x2)

Output
(1x5x4x4)

(N x Channels x Height x Width)

Implementation - Pytorch

4	9	2	5
5	6	2	4
2	4	5	4
5	6	8	4



9	5
6	8

```
torch.nn.MaxPool2D(  
    kernel_size = 2,  
    stride = 2  
)
```

4	9	2	5
5	6	2	4
2	4	5	4
5	6	8	4



6.0	3.3
4.3	5.3

```
torch.nn.AvgPool2D(  
    kernel_size = 2,  
    stride = 2  
)
```