



→





 \rightarrow


 $\frac{x^3}{r^3}$

}

- Series 1
- padding 1

1)  \rightarrow output 차원
224 x 224 \Rightarrow
 \Rightarrow 9x3 conv + pooling 1x1 \Rightarrow

$\Rightarrow (64) \times 224 \times 224$
 $\Rightarrow 64 \times 3 \times 3 \times (16)$ 
 Step 1: $(64) \times 224 \times 224$
 ① Maxpooling (2) \rightarrow  \rightarrow 
 $(64) \times 112 \times 112$ \rightarrow kernel: 2×2 , stride 2, padding: 0 \rightarrow

$$\cdot 256 \cdot 256 \cdot 256 \text{ (M)} \quad 512 \cdot 512 \cdot 512 \text{ (M)} \quad 512 \cdot 512 \cdot 512 \text{ (M)}$$

① **Flatten**

$|x| \times 50 \times 50 \Rightarrow 2500$

$2500 \times 1 \times 1 \Rightarrow 2500$

② **Layer**

$2500 \times 1 \times 1 \Rightarrow 2500$

Output

$2500 \times 1 \times 1 \Rightarrow 2500$

③ **Flatten**

$2500 \times 1 \times 1 \Rightarrow 2500$

④ **Flatten**

$2500 \times 1 \times 1 \Rightarrow 2500$

↓

Back propagation ←

- ① FC Loss ↓
- ② Kernel (Filter) 조정

⇒ model 완성!

- channel x dan $(N \times N) \times 4096$

- Belu
- Prapai
- 40ab x 40ab
- Belu
- Prapai
- 40ab x class 227

