of neights conv

$$3 \times 3 \times 20 \times 40 = 7200$$

of neights
 $4 \times 3 \times 20 \times 40 = 7200$
 $4 \times 3 \times 20 \times 15 \times 15 \times 40$

= 1,620,000

zero padding: P Stride: S
$$\frac{(20-1+2p)}{5!} + 1 = 20 \Rightarrow \begin{cases} P_1 = 0 \\ 5_1 = 1 \end{cases}$$

$$\frac{(20-1+2p)}{5!} + 1 = 20 \Rightarrow \begin{cases} P_1 = 0 \\ 5_1 = 1 \end{cases}$$

$$\frac{(20-1+2p)}{5!} + \frac{(20-1+2p)}{5!} + \frac{(20-1+2p)}{5$$

$$\frac{(20-3+2P_2)}{52} + 1 = 20 \implies \begin{cases} P_2 = 1\\ S_2 = 1 \end{cases}$$

$$\frac{(20-3+2P_2)}{52} + 1 = 20 \implies \begin{cases} P_2 = 1\\ S_2 = 1 \end{cases}$$

$$\frac{(20-3+2P_2)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)}{52} + \frac{(20-3)(20-3)(20-3)}{52} + \frac{(20-3)(20-3)(20-3)}$$

$$\frac{(20-1+2P_{2})}{52} + 1 = 20 \implies SP_{3} = 0 \quad CNN \text{ layer } |x| \\ S_{3} = 1 \\ Channel_{3} = 10$$

Output 20×20×10