$$O = \left\lfloor \frac{i + 2p - k}{S} \right\rfloor + 1$$

use 3×3 kernel , 2× paddings , Stride = 2

2. 300×400×3 $\Rightarrow$ 150×200×50 $\Rightarrow$ 75×100×100 $\Rightarrow$ 38×50×200
               1st   2nd   3rd
               CONV   CONV   CONV

1. $(3×3×3+1)50 + (3×3×50)100 + (3×3×(100+1)×200$

3. Reduce batch size

    Reduce filter

    Reduce layers.

4. True

5. $1 \rightarrow 3 \rightarrow 5 \rightarrow 7 \rightarrow 9 \rightarrow 11$