

Prasann kumar

$$1. \text{ Height} = \frac{H+2P-FH}{5} + 1 = \frac{39-4}{1} + 1 = \frac{35+1}{31}, 36 \quad (36, 28, 20)$$

$$\text{width} = \frac{W+2P-FW}{5} + 1 = \frac{31-4}{1} + 1 = \frac{27+1}{28}, 28 = \underline{20/60}$$

$$2. \quad \frac{36-2}{2} + 1 = 18, \quad \frac{31-4}{2} + 1 = 14 \quad (18, 14, 20) = \underline{5040}$$

$$3. \quad \frac{18-3}{1} + 1 = 16, \quad \frac{14-3}{1} + 1 = 12 \quad (16, 12, 40) = \underline{7680}$$

$$4. \quad \frac{16-2}{2} + 1 = 8, \quad \frac{12-2}{2} + 1 = 6 \quad (8, 6, 40) = \underline{1920}$$

$$5. \quad \frac{8-3}{1} + 1 = 6, \quad \frac{6-3}{1} + 1 = 4 \quad (6, 4, 60) = \underline{1440}$$

$$6. \quad \frac{6-2}{2} + 1 = 3, \quad \frac{4-2}{2} + 1 = 2 \quad (3, 2, 60) = \underline{360}$$

$$7. \quad \frac{3-2}{1} + 1 = 2, \quad \frac{2-2}{1} + 1 = 1 \quad (2, 1, 80) = \underline{160}$$

② Alexnet

$$\text{output} = (27, 27, 96) \quad h = \frac{56-3}{2} + 1 = 27, \quad w = \frac{55-3}{2} + 1 = 27$$

$$* (27, 27, 256), \quad h = \frac{27+2 \times 2 - 5}{1} = 27, \quad w = \frac{27+2 \times 2.5}{1} + 1 = 27$$

$$(13, 13, 256), \quad h = \frac{27-3}{2} + 1 = 13, \quad w = \frac{27-3}{2} + 1 = 13$$

$$(12, 13, 256) \quad h = \frac{13+2-3}{1} + 1 = 13, \quad w = \frac{13+2-3}{1} = 13$$

$$(6, 6, 256) \quad h = \frac{13-3}{2} + 1 = 6, \quad w = \frac{13-3}{2} + 1 = \underline{6}$$