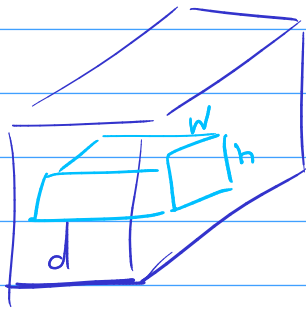
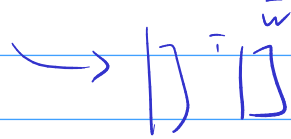
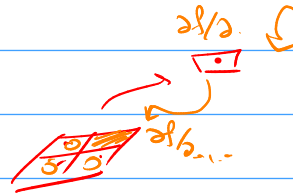
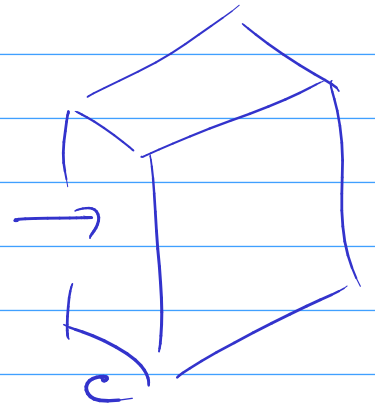


$$\begin{matrix} \bar{x} \\ \vdots \\ x \end{matrix}^T \begin{matrix} \bar{w} \\ \vdots \\ w \end{matrix} + w_0 \rightarrow h \rightarrow \underline{h(\bar{w}^T \bar{x} + w_0)}$$

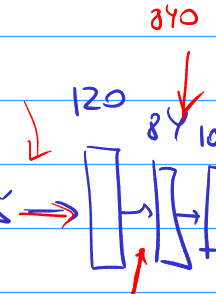
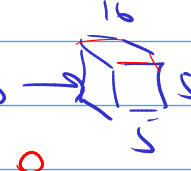
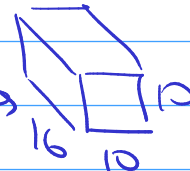
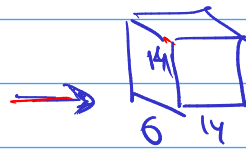
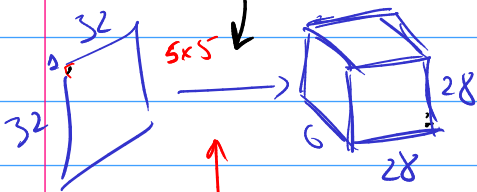


$$d \times w \times h \times c$$



$$32 \times 32 \times 6 \times 28 \times 28$$

$$\approx 5M$$



Picasso effect

$$1 \times 5 \times 5 \times 6$$

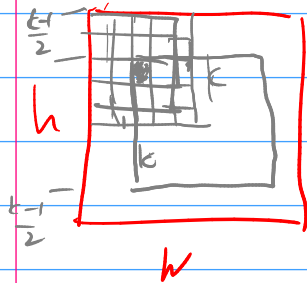
$$\approx 150$$

$$6 \times 5 \times 5 \times 16$$

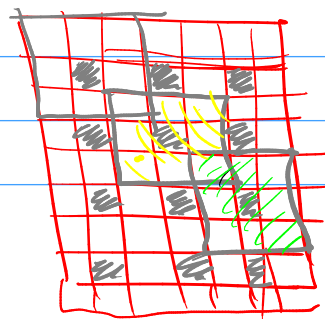
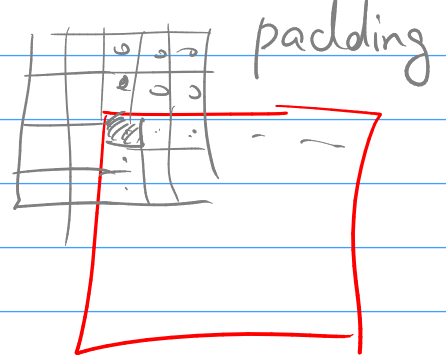
$$\approx 2400$$

$$400 \times 120 \times 120 \times 84 \times 10$$

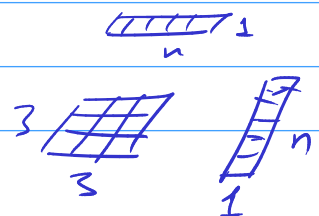
$$\approx 48000 \approx 26k$$



$$h - (k - 1) \quad w - (k - 1)$$



Stride = 2



Albumentations

