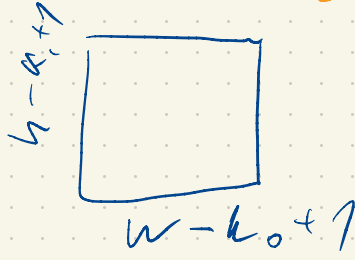


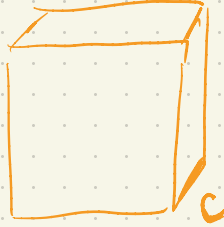
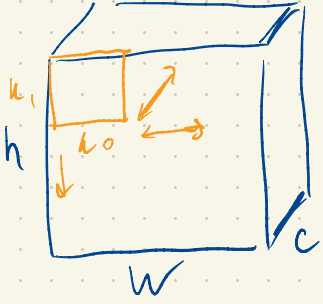
conv2D( $X, K, \text{stride}, \text{padding}$ ). "2."



"2."

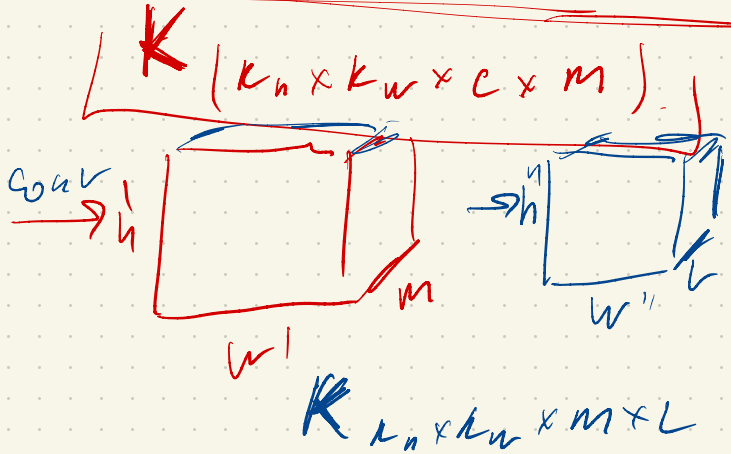
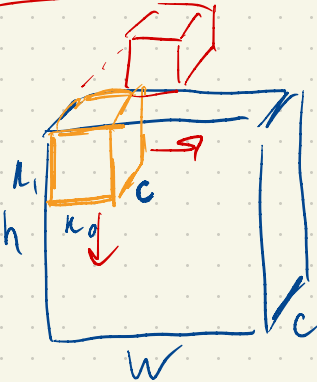
$$\lfloor (w - k_o) / s_w \rfloor$$

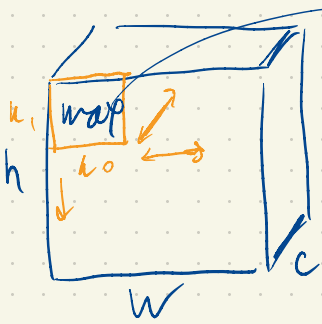
$$\lfloor (h - k_o) / s_h \rfloor$$



depthwise\_conv.

$$\lfloor (w - k_w + 2p_w) / s_w \rfloor + 1$$

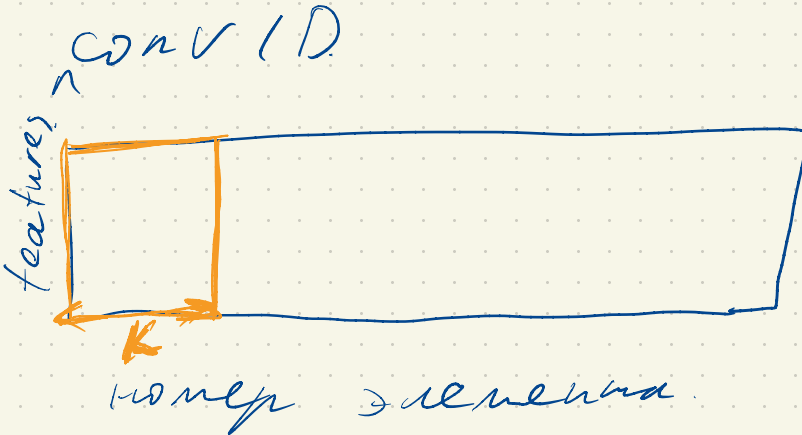




max pooling

(stride, padding)

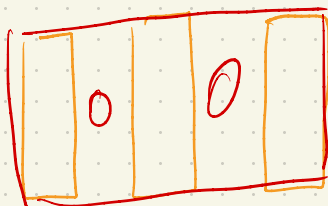
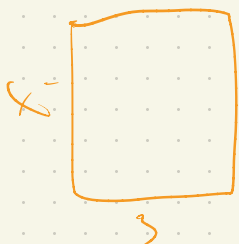
global\_max\_pooling



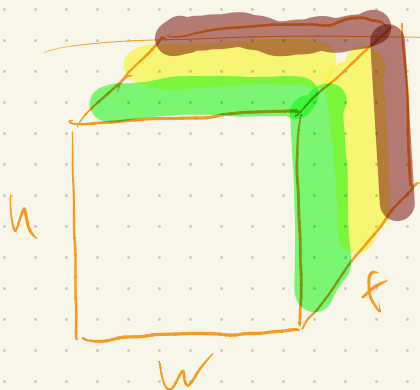
kernel elements



[dilation]



group



[f/g]

$k, k, f/g, m$

up convolution

conv Transposed. stride = 2.

$$\begin{array}{|c|c|} \hline I & K \\ \hline 0 & 1 \\ \hline 2 & 2 \\ \hline \end{array} \times \begin{array}{|c|c|} \hline 1 & 3 \\ \hline 2 & 1 \\ \hline \end{array}$$

0	0	1	3
0	0	2	1
2	6	2	6
4	2	4	2

0	1	3
2	8	4
4	6	2