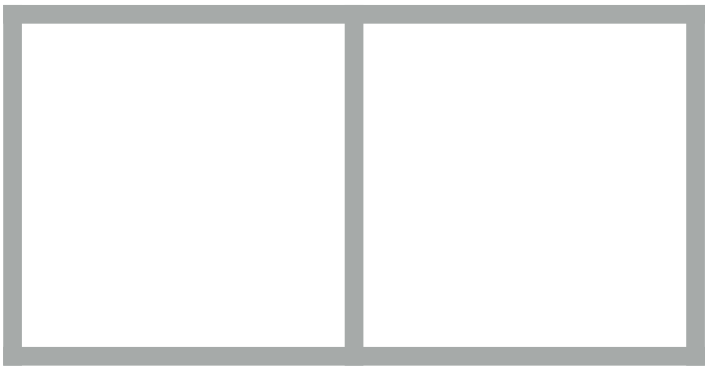


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Sub-Sampling (Dilation)

1

5



1

7

-1

2

3

-2

4

3

2

-1

-2

en

Reduce size of next layer through sub-sampling

$$h_i^{r+1} = \sigma \left(\sum_{j=-s}^s c_j h_{i-\mu(j)}^r \right) \text{ where } \mu(i) = bj$$



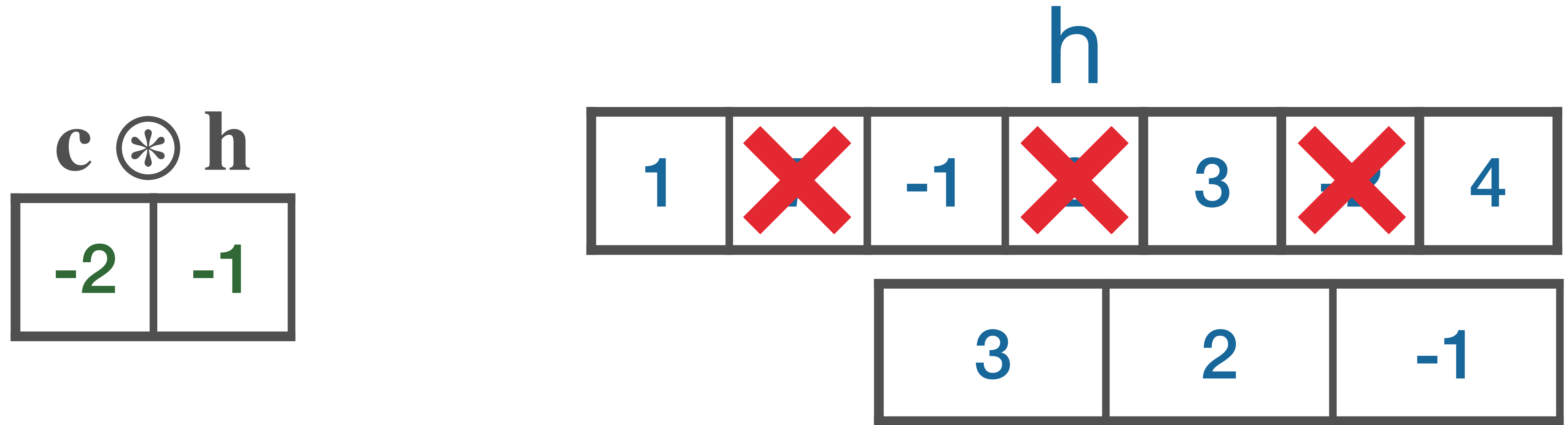




-2

-1

Sub-Sampling (Dilation)



Reduce size of next layer through sub-sampling

$$h_i^{r+1} = \sigma \left(\sum_{j=-s}^s c_j h_{i-\mu(j)}^r \right) \text{ where } \mu(i) = bj$$

Multidimensional Convolutions

