

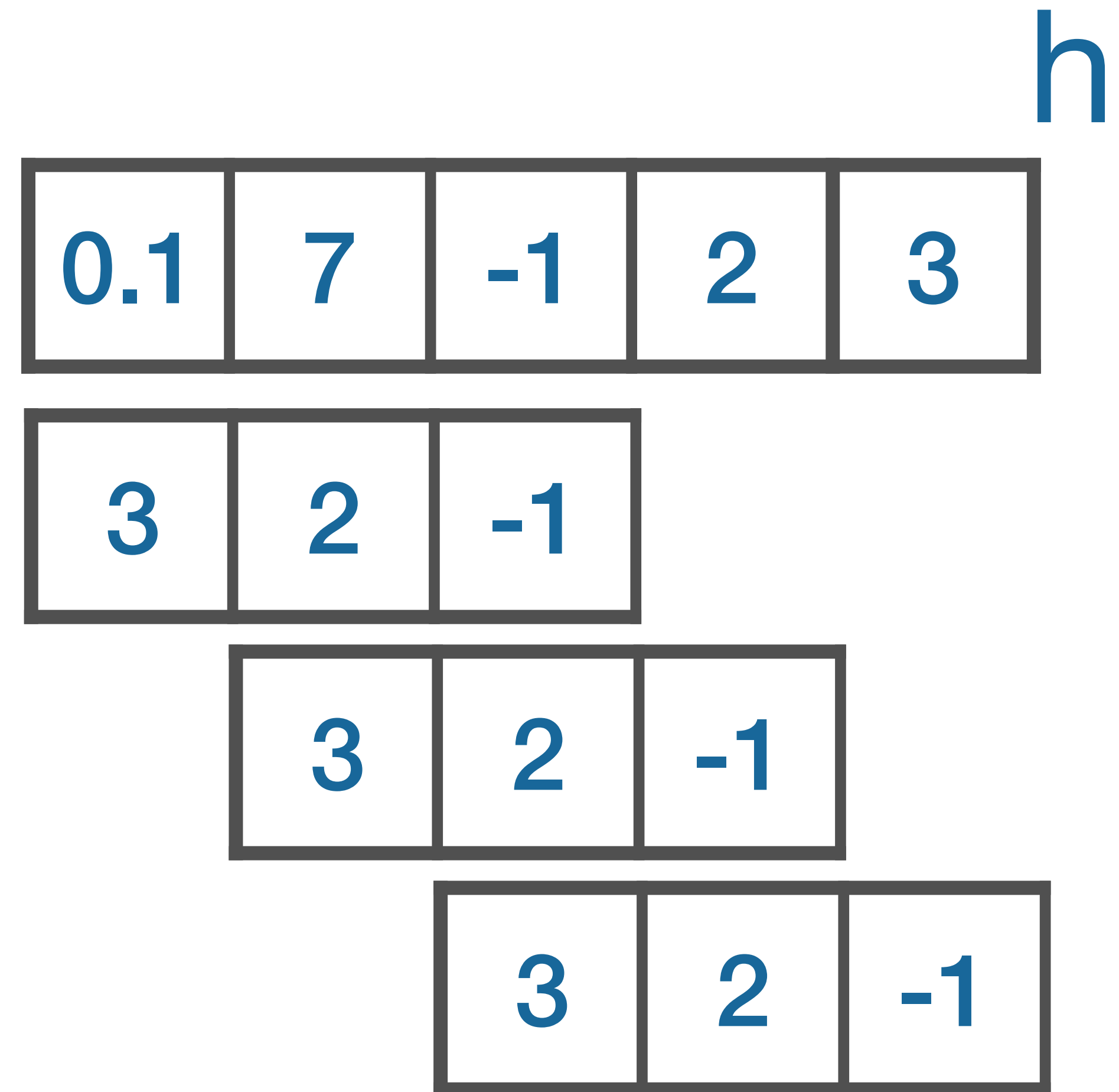
Valid Only Convolution

For $i \leq s$ and $i > r - s$:

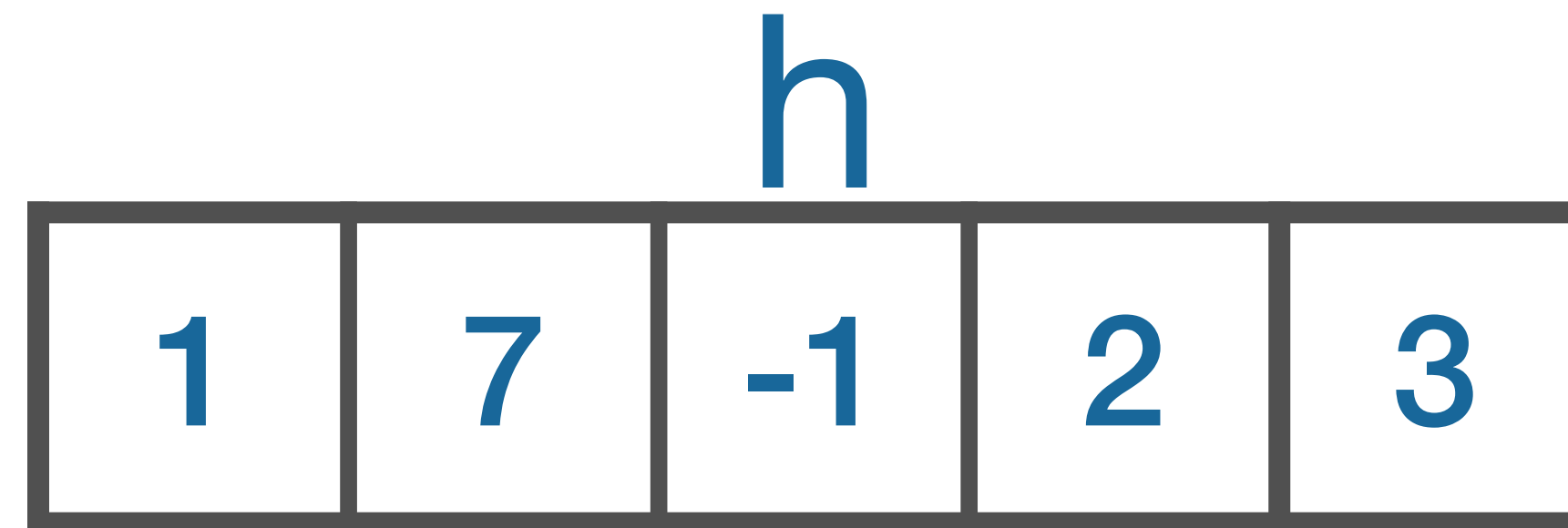
Convolution is not uniquely defined

Use only indices $s < i \leq r - s$:

Size of next layer reduced by $2s$



Padded Convolution



Define:

$$h_i = h_0 \text{ for } i \leq 0$$

$$h_i = h_{r+1} \text{ for } i > r$$

Output defined for $1 \leq i \leq r$