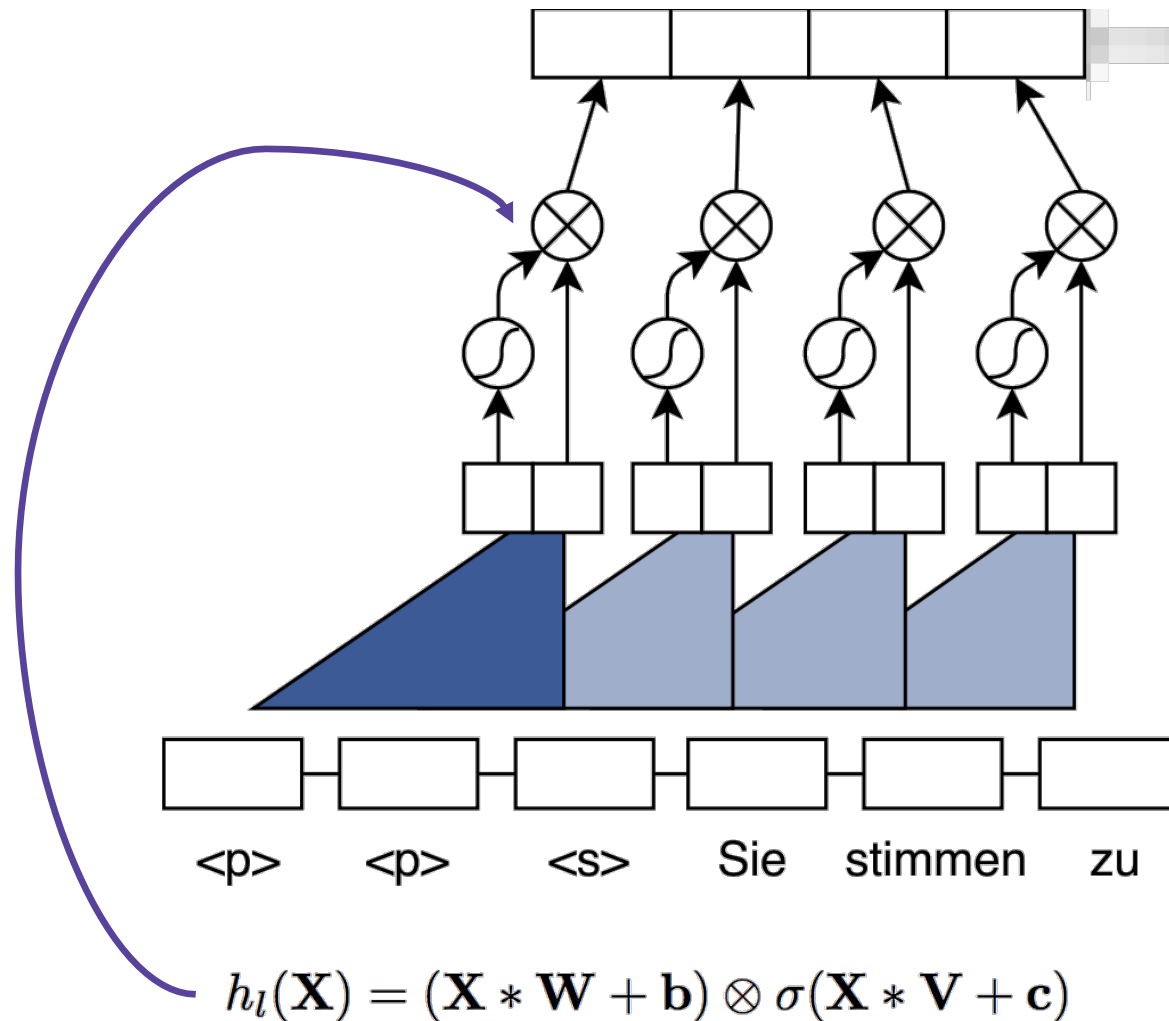# CNN for sequences: Gated Linear Unit

Stacking 6 layers with kernel size 5 results in an input field of 25 elements

$$h_l(\mathbf{X}) = (\mathbf{X} * \mathbf{W} + \mathbf{b}) \otimes \sigma(\mathbf{X} * \mathbf{V} + \mathbf{c})$$

https://arxiv.org/pdf/1612.08083.pdf   https://arxiv.org/pdf/1705.03122.pdf