

sequence

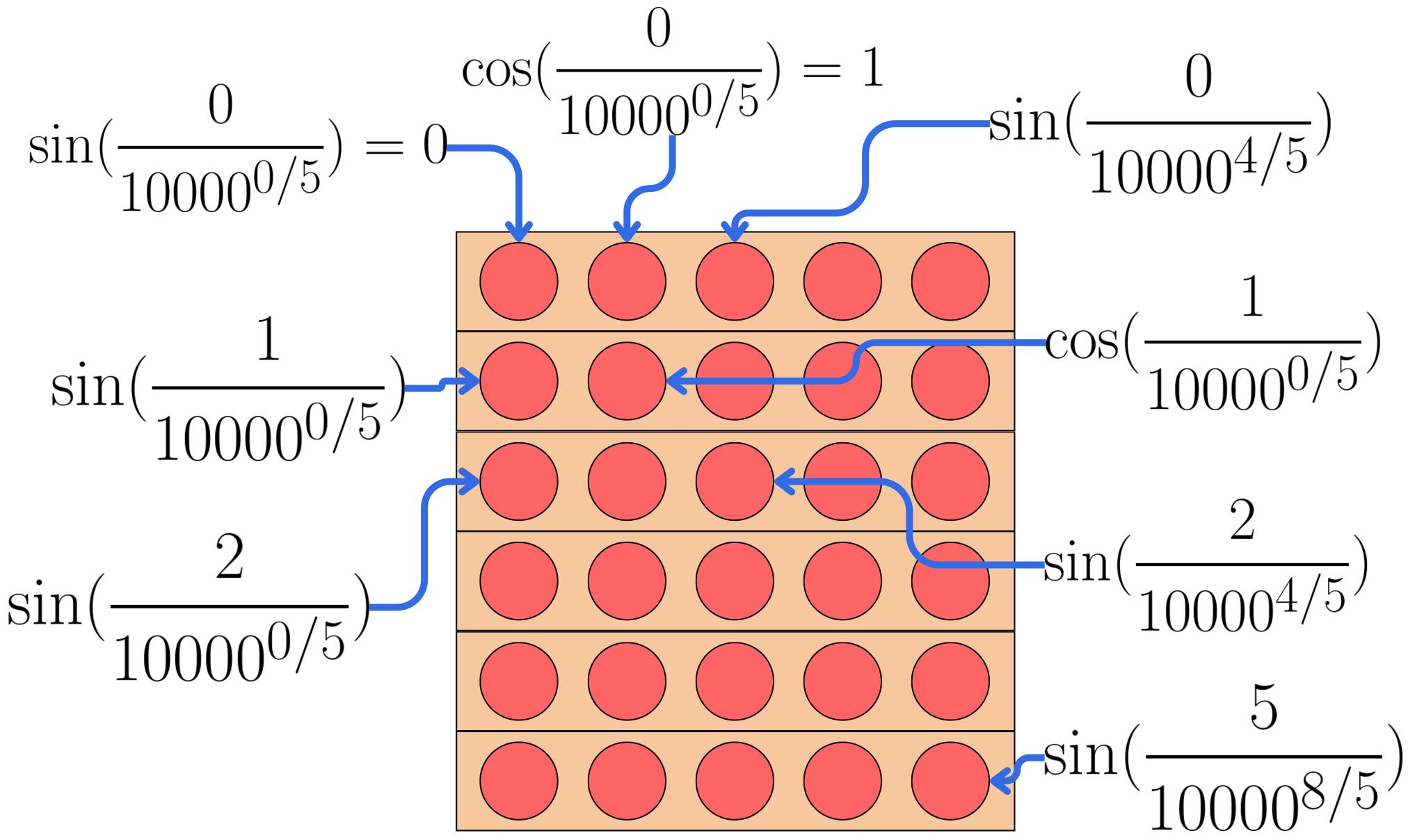
Output sequence



The Overall Architecture

$$PE_{(pos,2i)} = sin(pos/10000^{2i/d_{\rm model}}) \quad {\rm even} \, {\rm i}$$

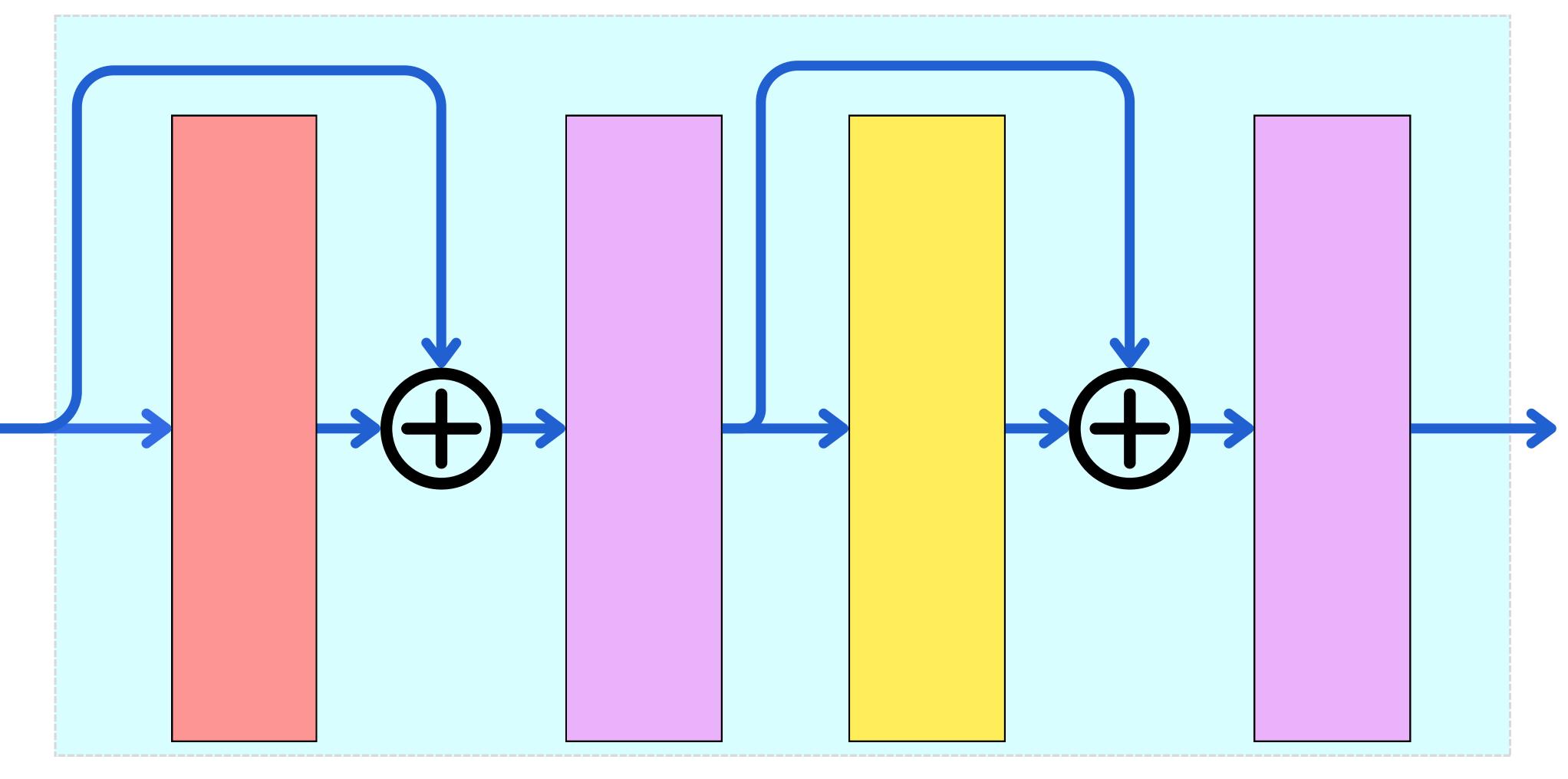
$$PE_{(pos,2i+1)} = cos(pos/10000^{2i/d_{\rm model}}) \quad {\rm odd} \, {\rm i}$$



The Position Embedding



Encoder block



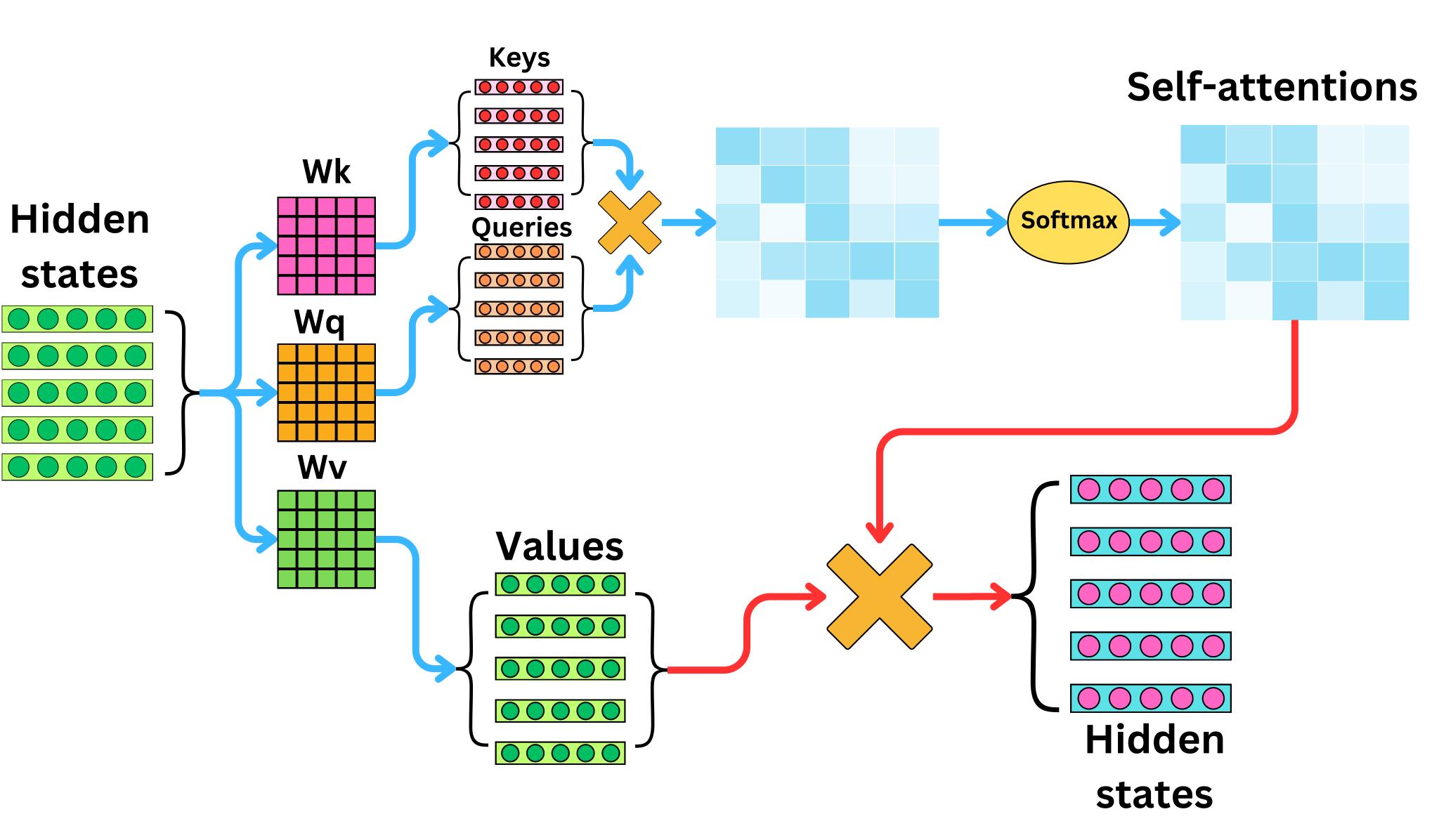
Multihead
Attention
Layer

Layer Normalization Feed Forward network

Layer Normalization

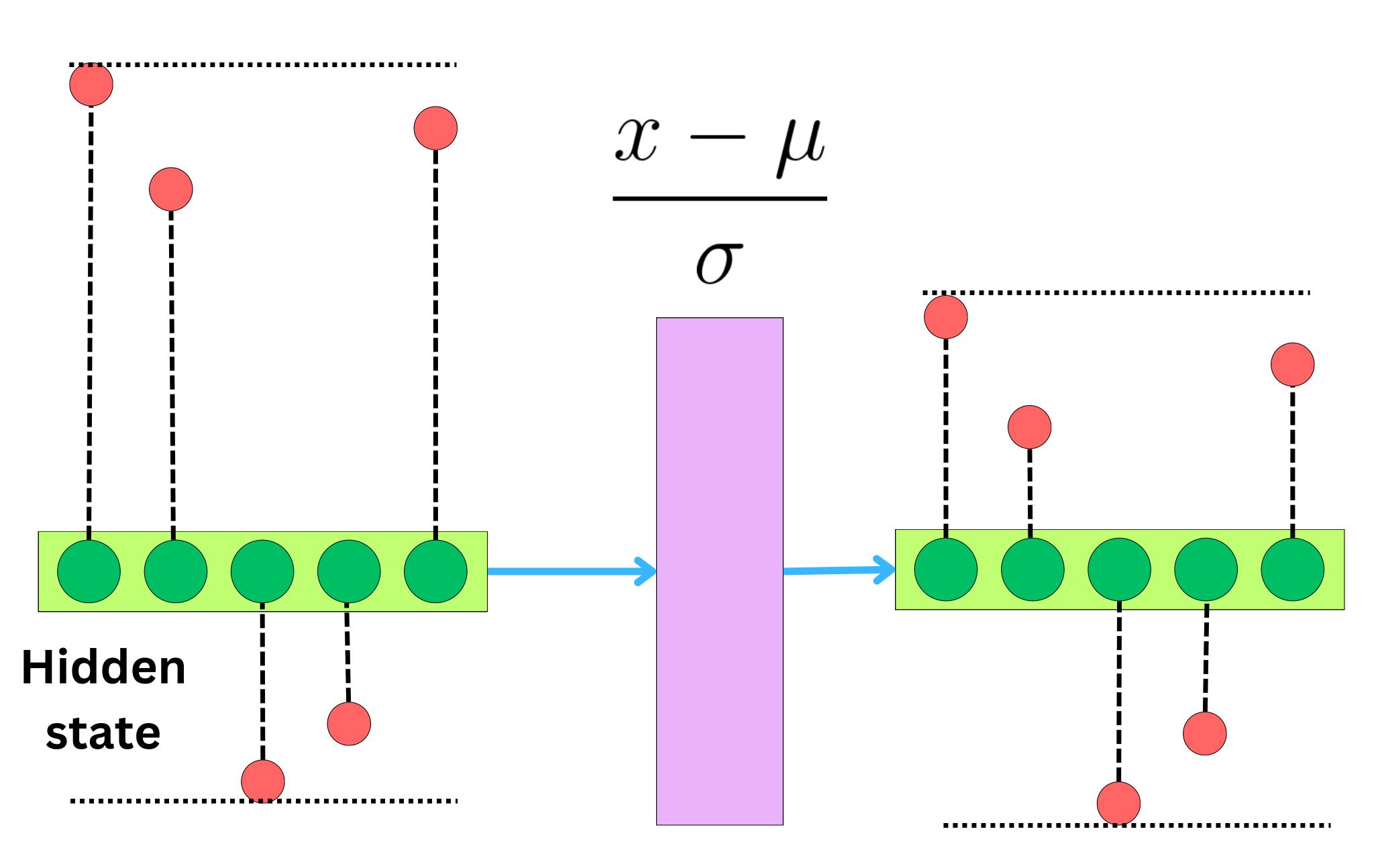
The Encoder Block





The Self-Attention Layer

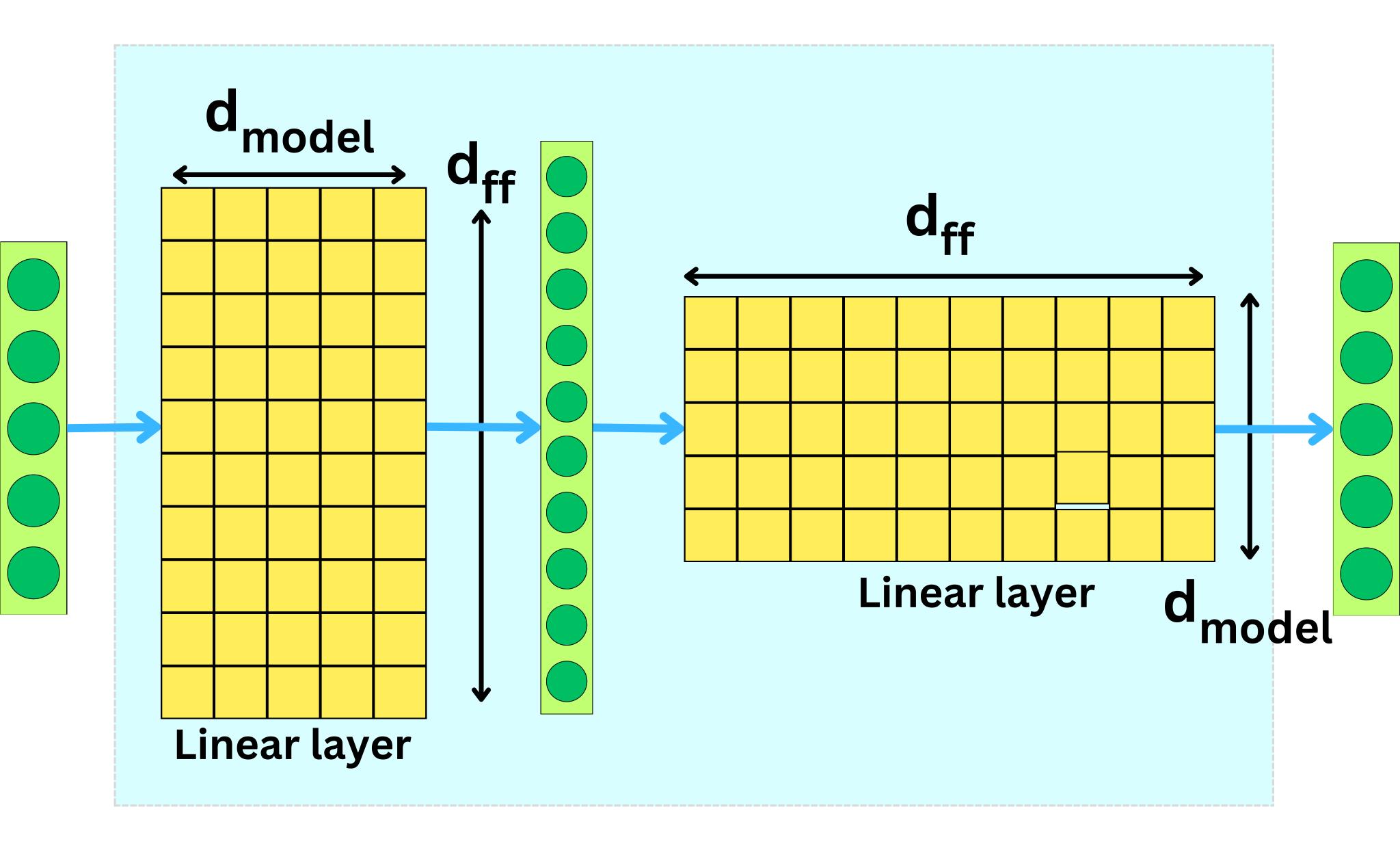




Layer Normalization

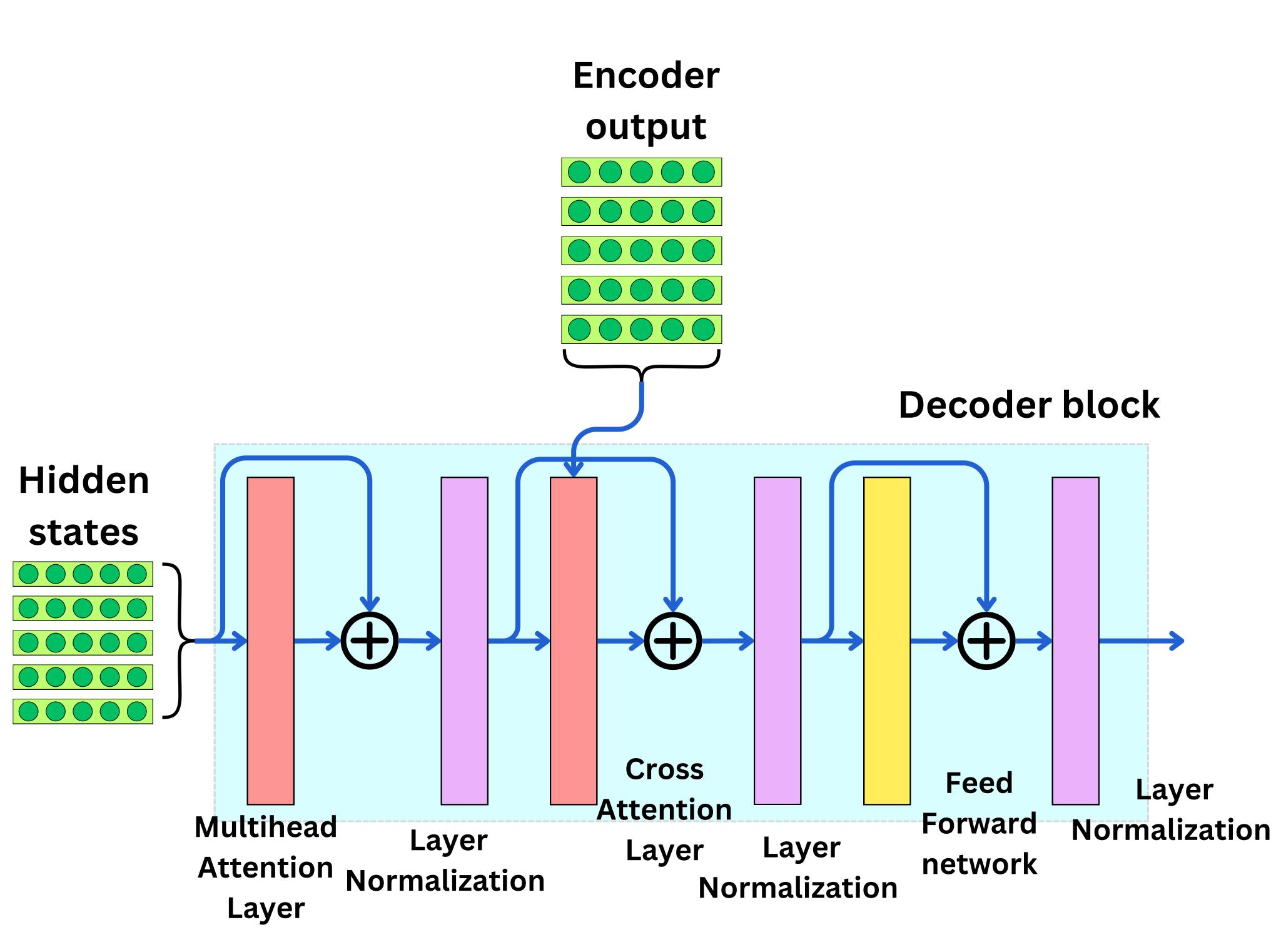
The Layer Normalization





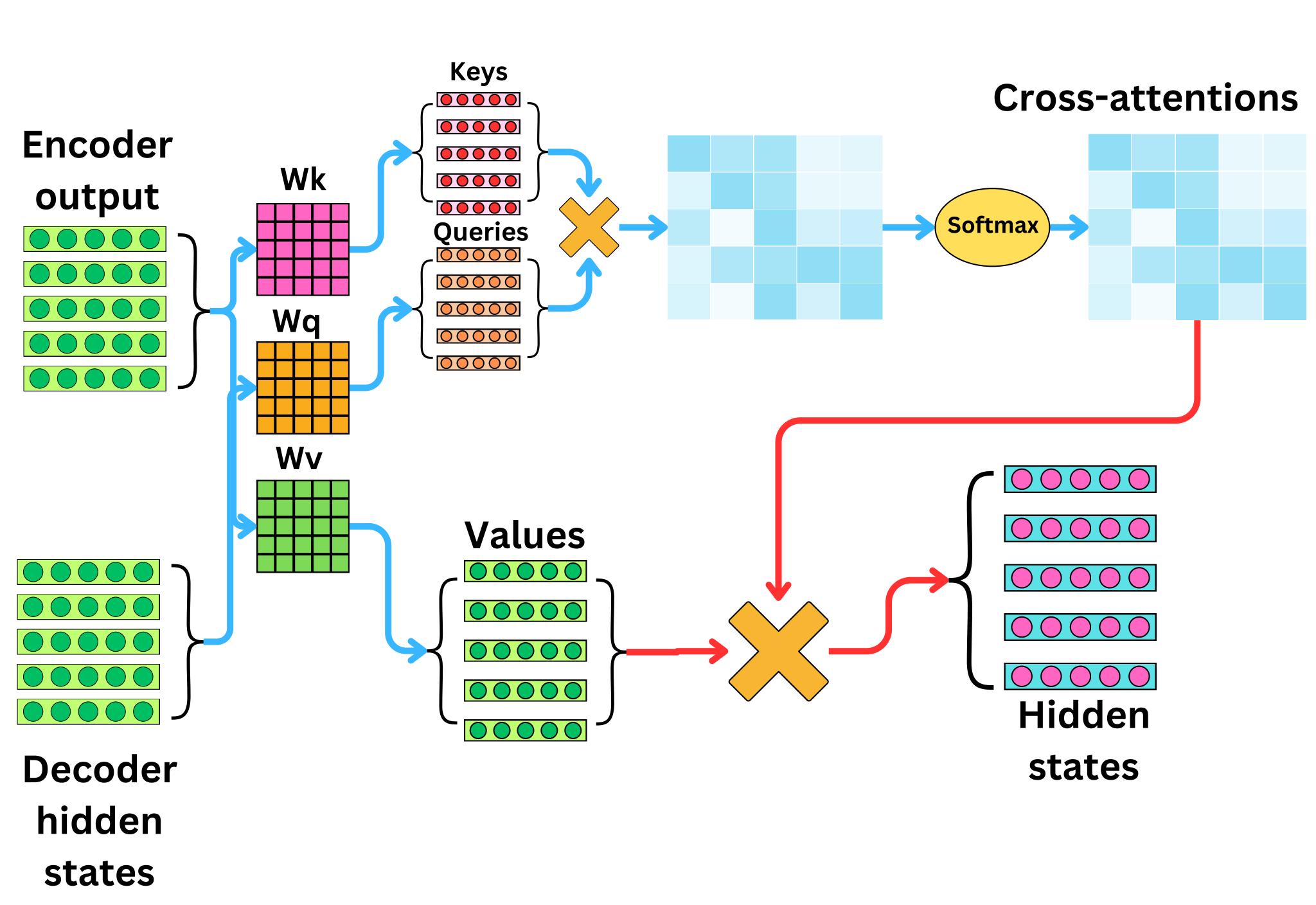
The Position-wise Feed-forward Network





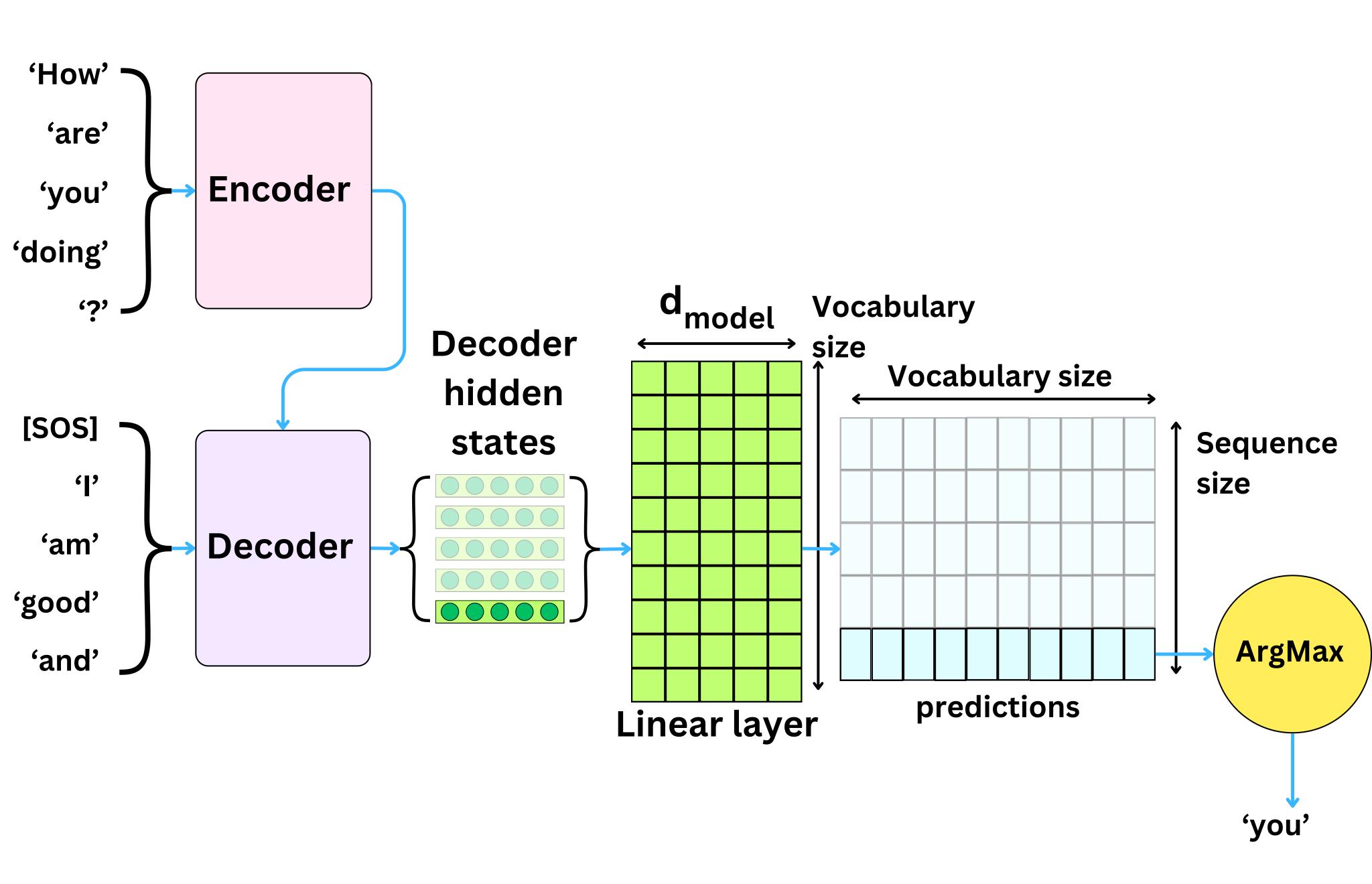
The Decoder Block





The Cross-Attention Layer





The Predicting Head

