Variable-Length Inputs and Outputs

Variable-length input can be handled by recurrent NNs:

- Processing one input symbol at a time.
 - Initial state $h_0 = (0)$ (or some sentence representation).
 - The same (trained) transformation A used every time.

$$h_t = A(h_{t-1}, x_t) (2)$$

Unroll in time (up to a fixed length limit).

