



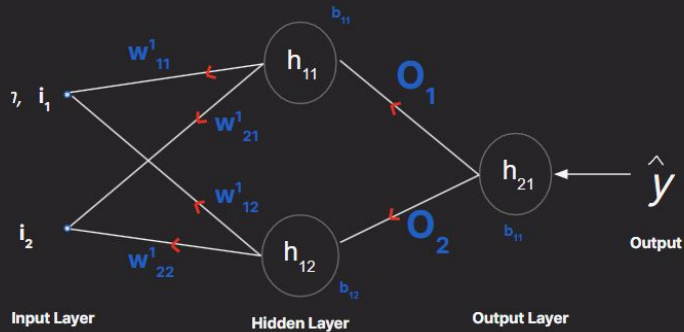
NLP : Recurrent Neural Network

Video 2: Backward Propagation in RNN

Backpropagation in ANN v/s RNN

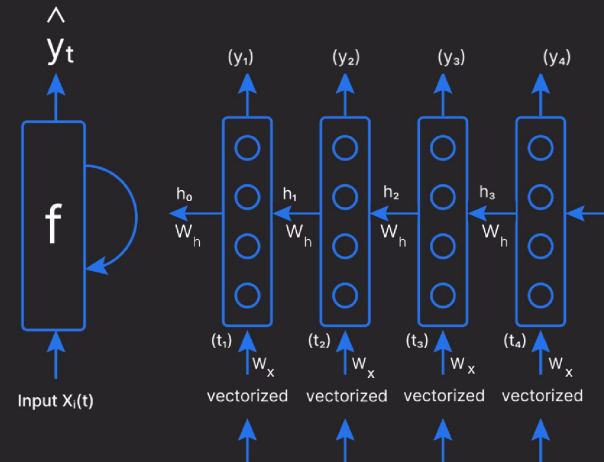
Artificial Neural Network

Standard Backpropagation



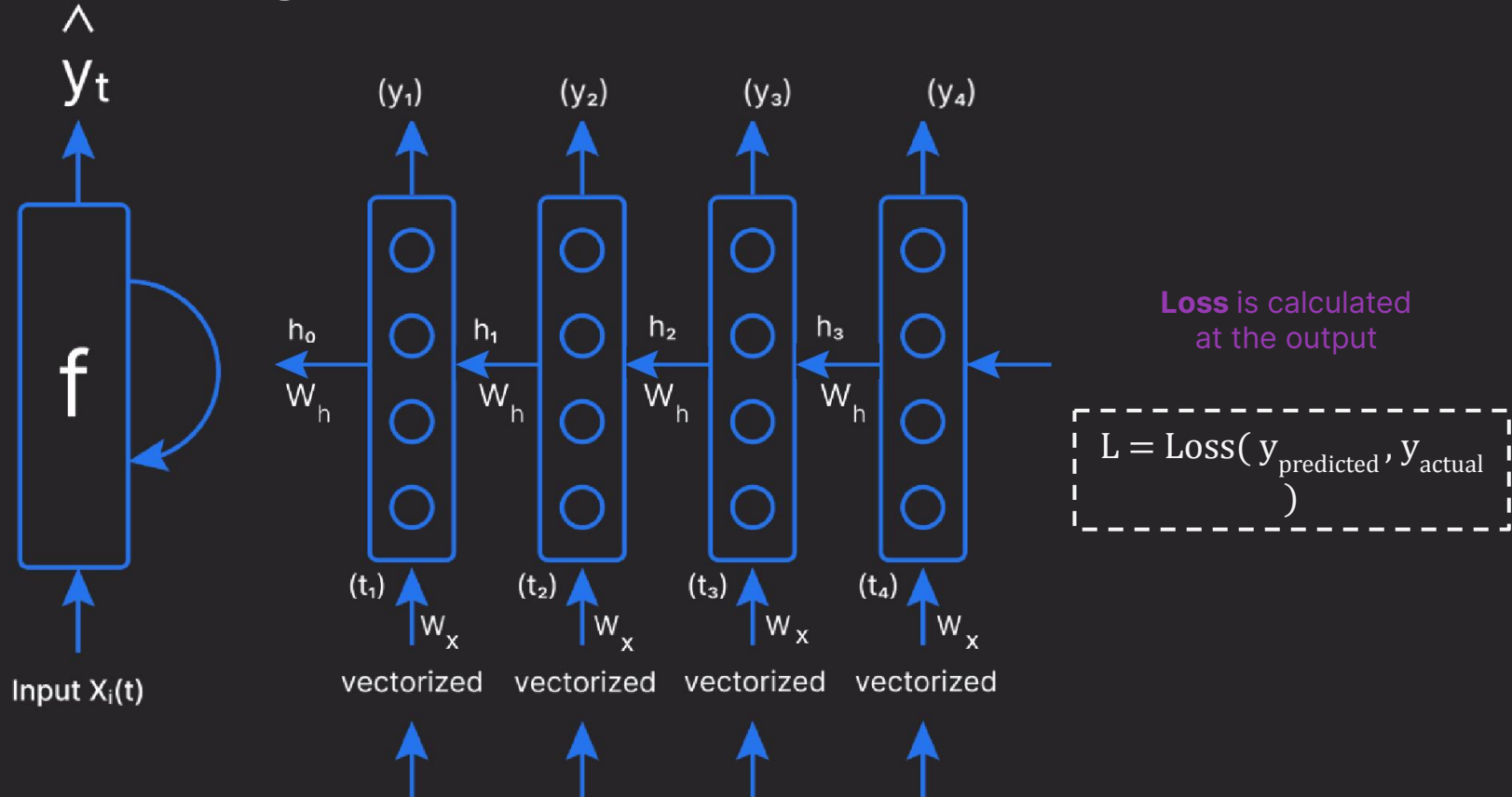
Recurrent Neural Network

Backpropagation in RNN

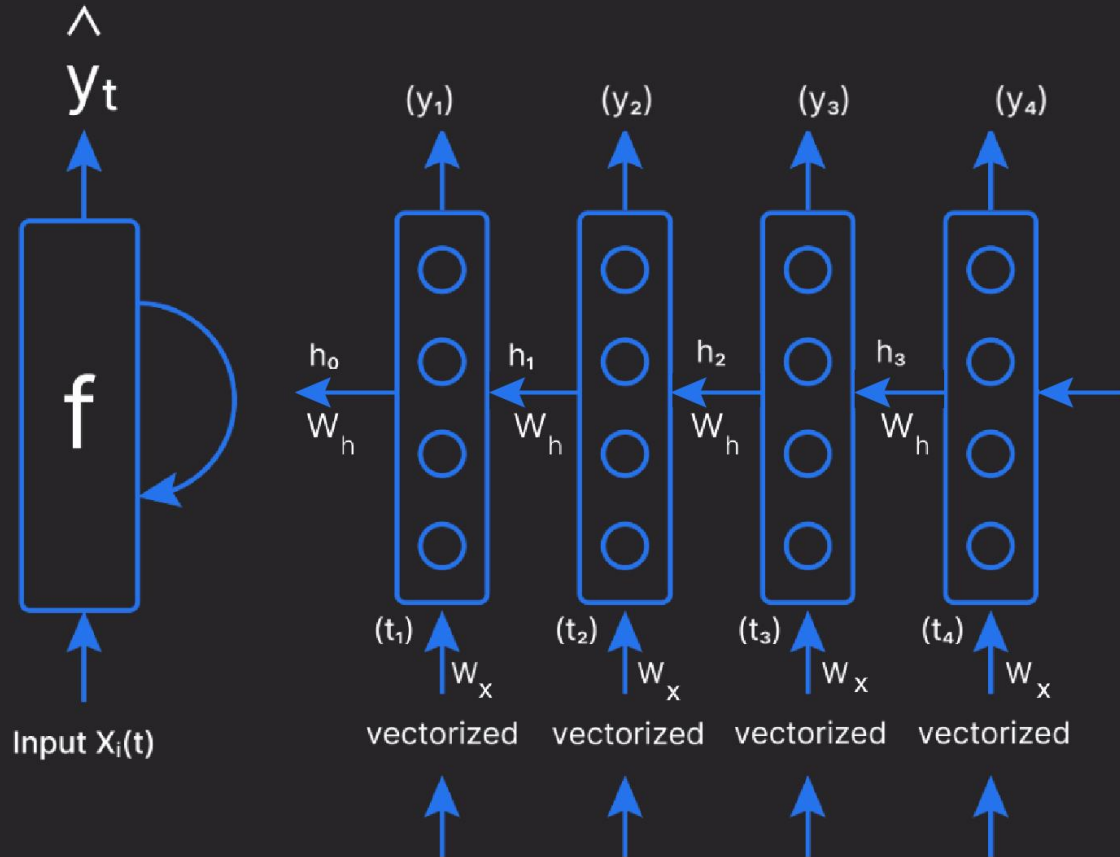


Optimize network weights by minimizing the loss function.

Calculating the Loss



Backward Pass

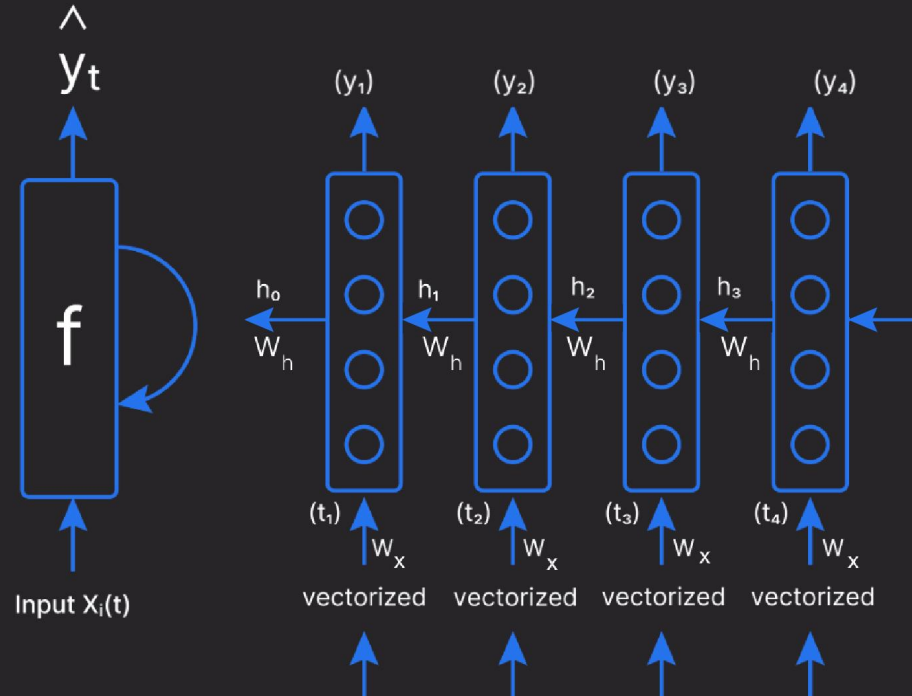


Calculates the error
gradient at each time
step

Chain Rule

How much each
part of RNN
contributes to the
error

Backward Pass



Backpropagation through time (BPTT)

Types of RNN