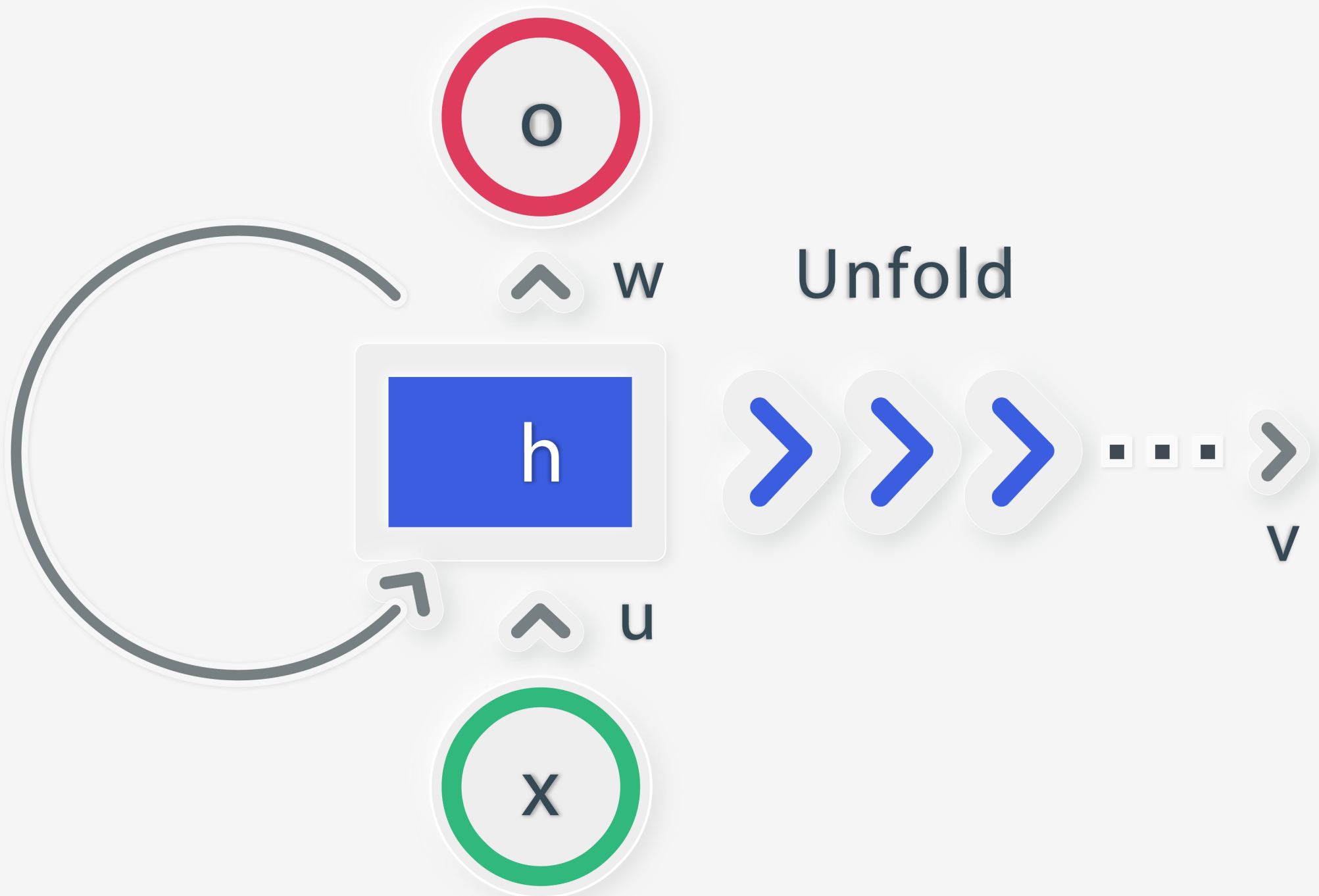
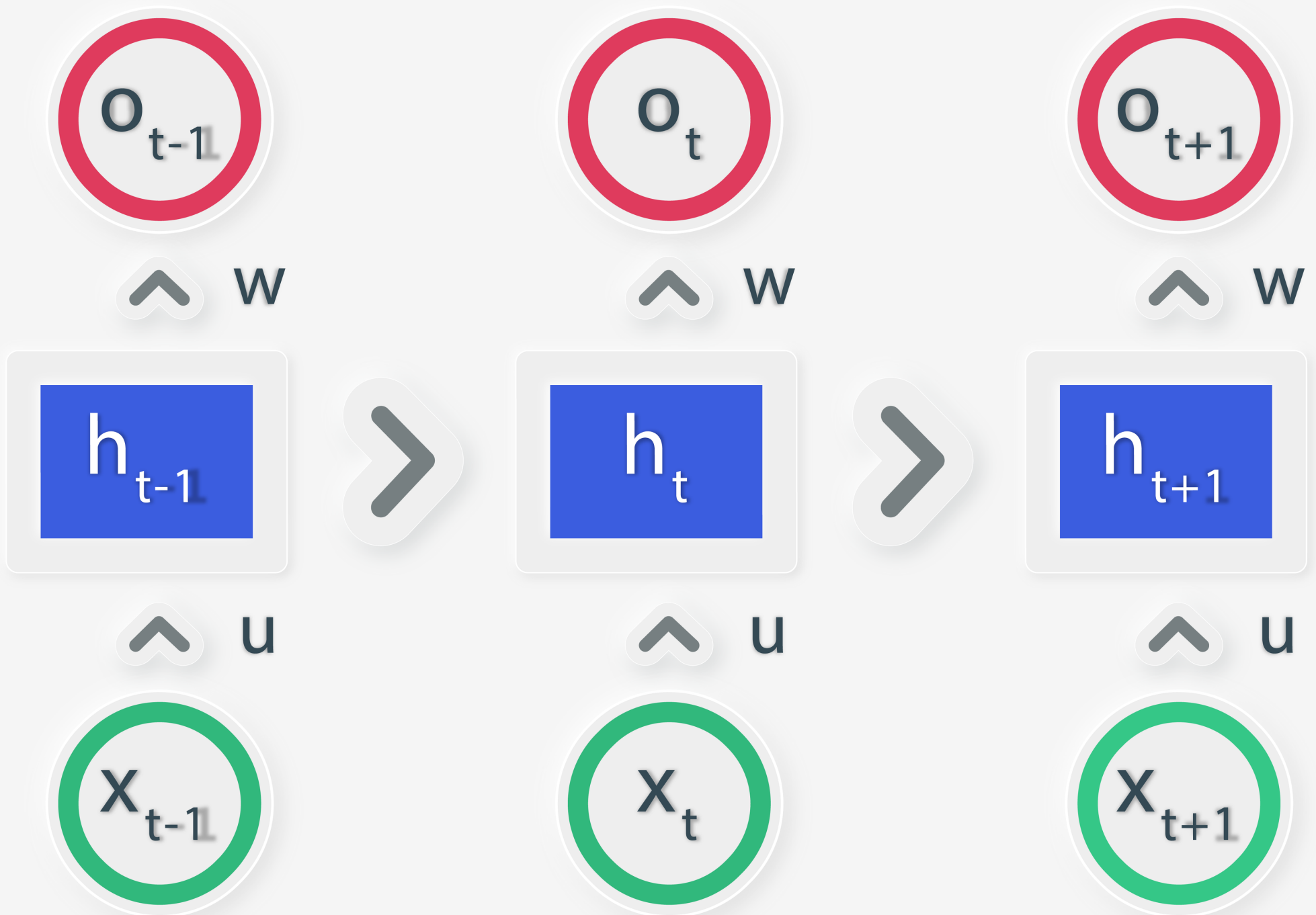


# RECURRENT NEURAL NETWORKS



# RECURRENT NEURAL NETWORKS



# Recurrent Neural Network

An RNN is a type of **artificial neural network** commonly used in speech recognition and NLP

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RNNs recognize **data's sequential characteristics** and use patterns to predict the next likely scenario

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RNNs are used in **deep learning** and in the development of models that simulate neuron activity in the human brain.



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# Recurrent Neural Network

They are powerful in use cases where **context is critical to predicting an outcome** and are also distinct from other types of artificial neural networks because they use feedback loops to process a sequence of data that informs the final output. These feedback loops allow information to persist. This effect is described as **memory**.

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Writing by RNNs is a form of **computational creativity**



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