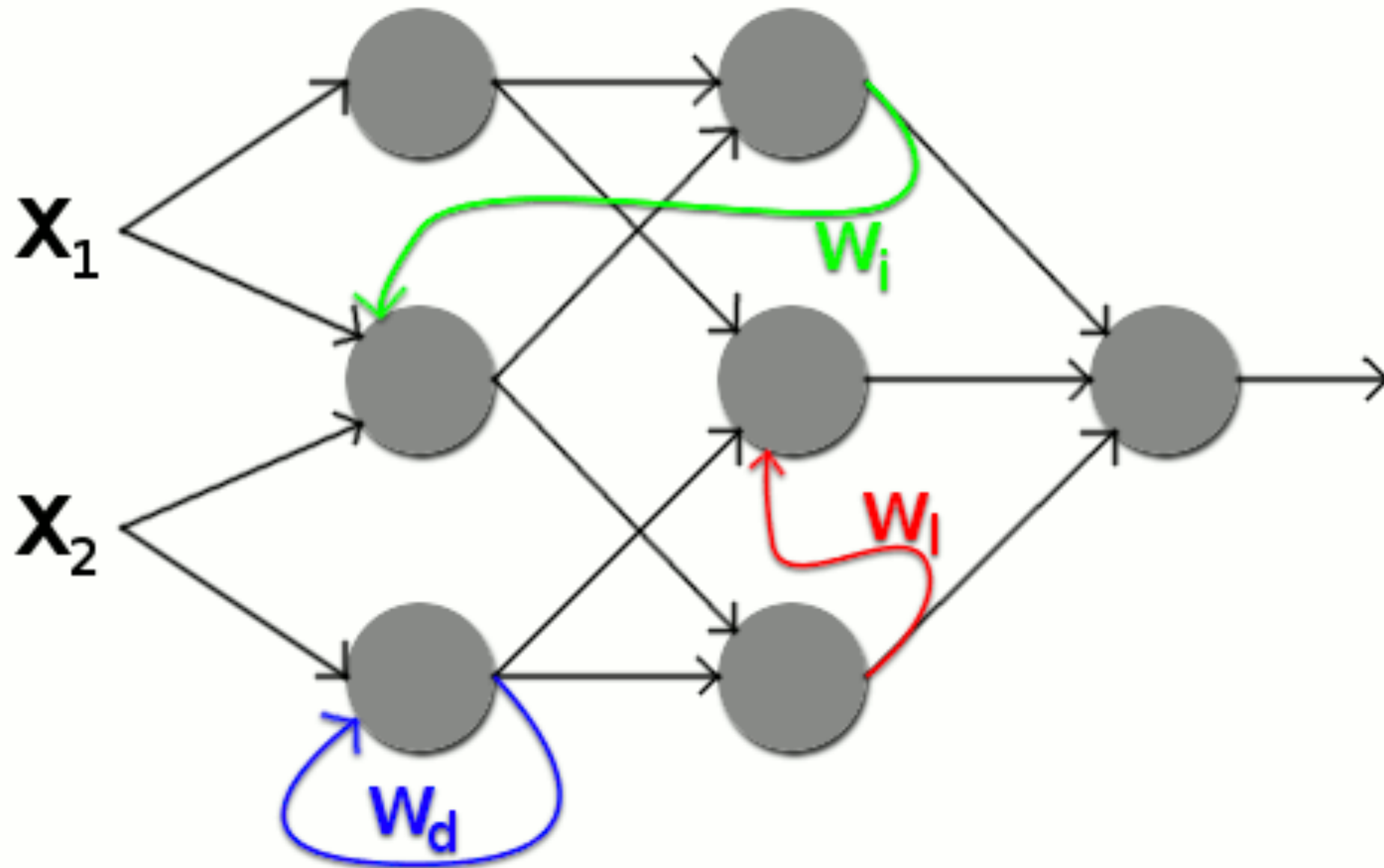


Recurrent Neural Networks

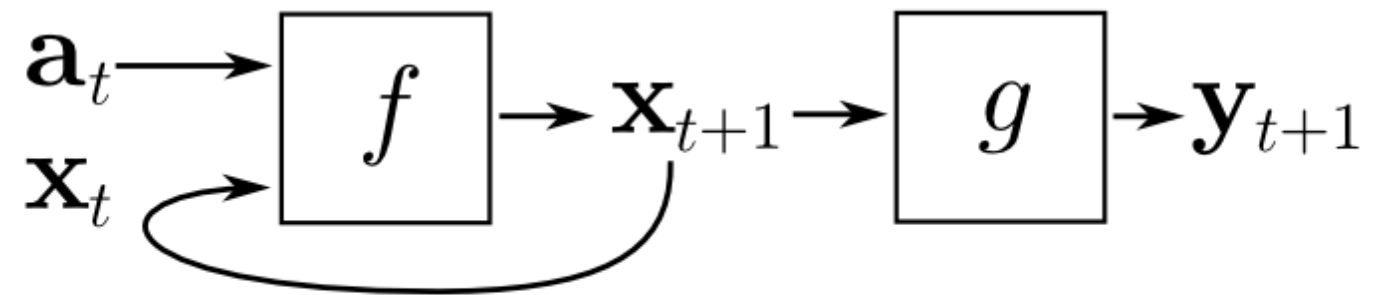
Why?

How?

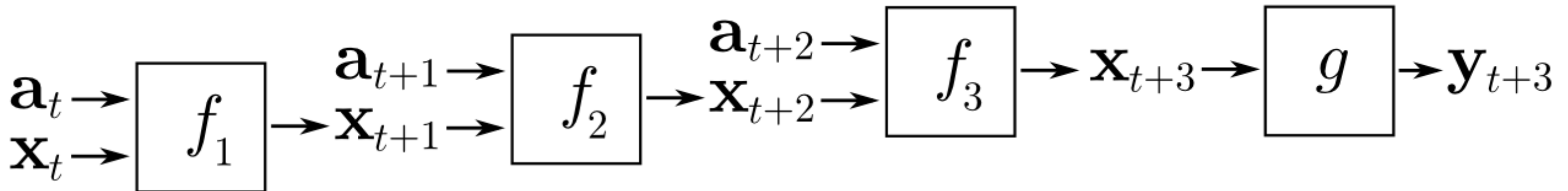


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How?



↓ unfold through time ↓



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Recursive

Hopfield

Recursive

Hopfield

Fully recurrent

Recursive

Hopfield

Fully recurrent

Recursive

Elman network

Hopfield

Jordan network

Fully recurrent

Recursive

Elman network

Hopfield

Jordan network

Fully recurrent

Recursive

Elman network

Echo state

Hopfield

Neural history compressor

Jordan network

Fully recurrent

Recursive

Elman network

Echo state

LSTM