

U and W are the weights for the input and the previous hidden state (short term memory)

O(t) is the potential short term memory % to remember

Tanh(Ct) is the potential short term memory

C\_(t) or G(t) is the potential long term memory

I(t) is the potential long term memory % to remember

F(t) is the % of the previous long term memory to remember

C(t) is the new long term memory

H(t) is the new short term memory

A screenshot of a computer

Description automatically generated

A black background with yellow text

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A diagram of a mechanism

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A diagram of a book

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