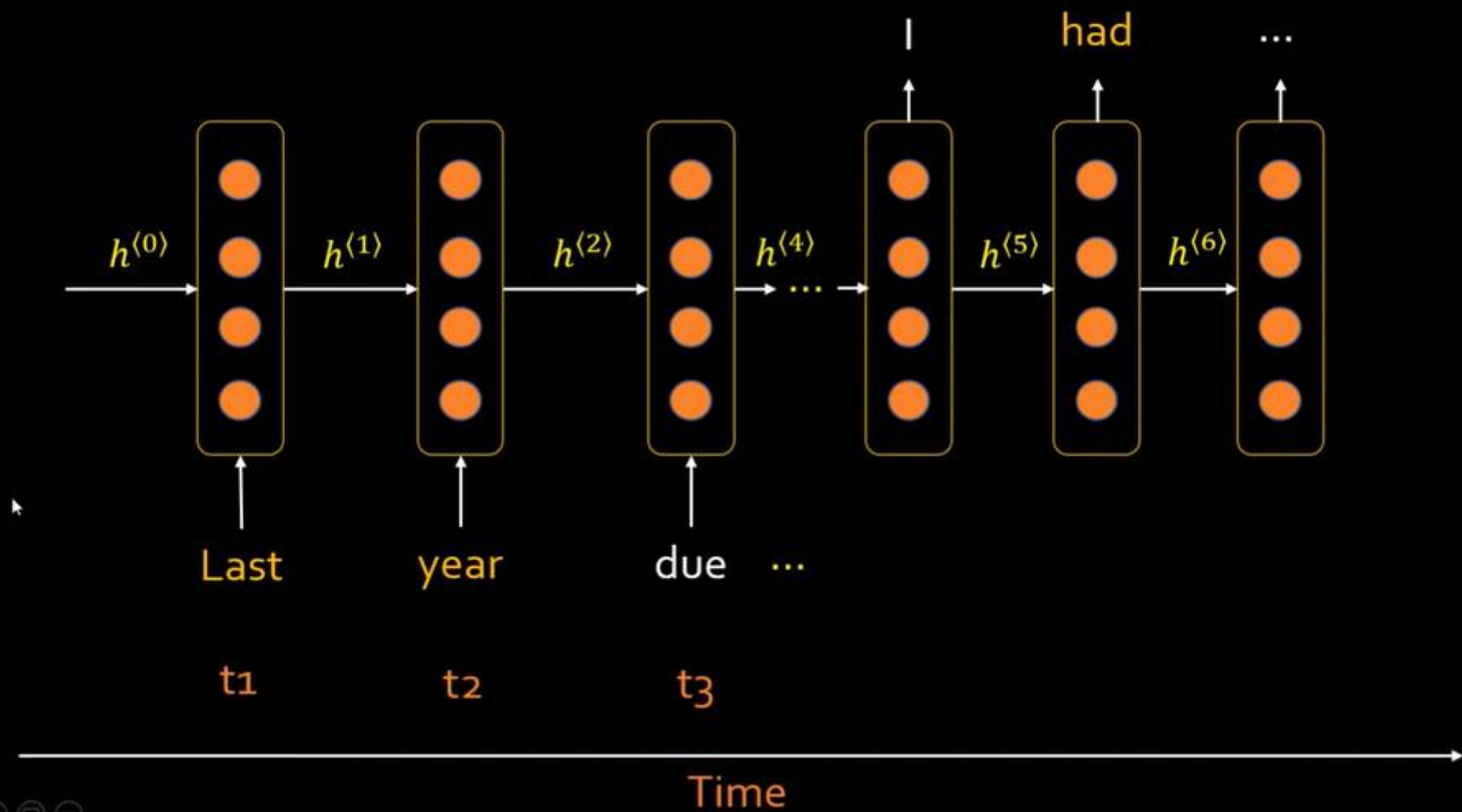
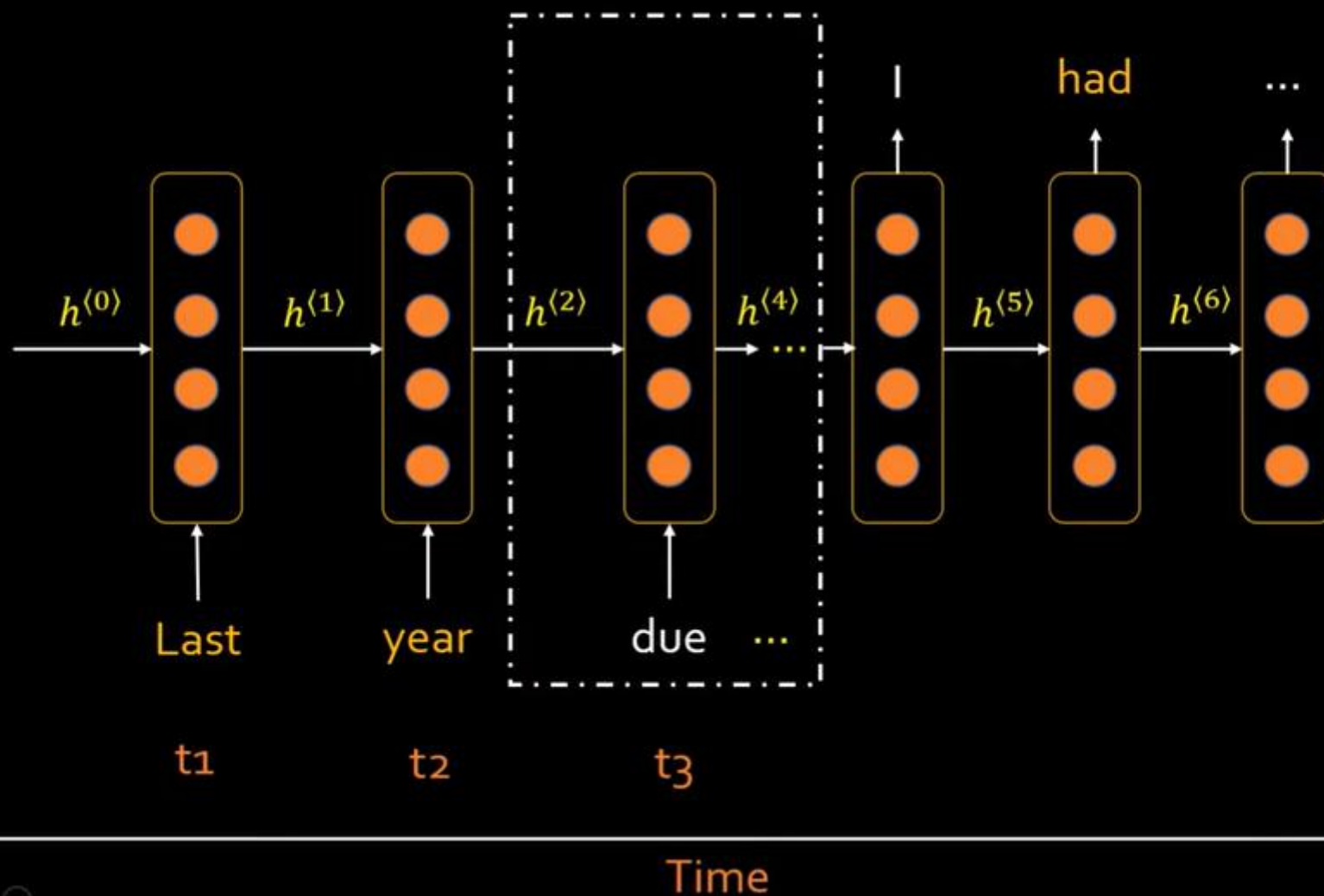


Long Short-Term Memory

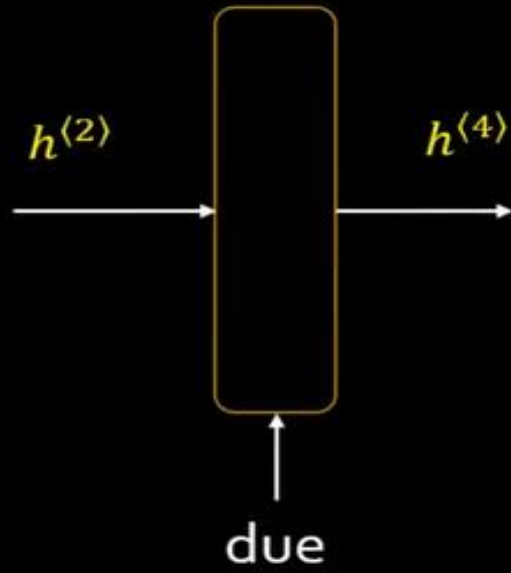
Last year, due to my current job situation and family conditions, I had to take a loan.



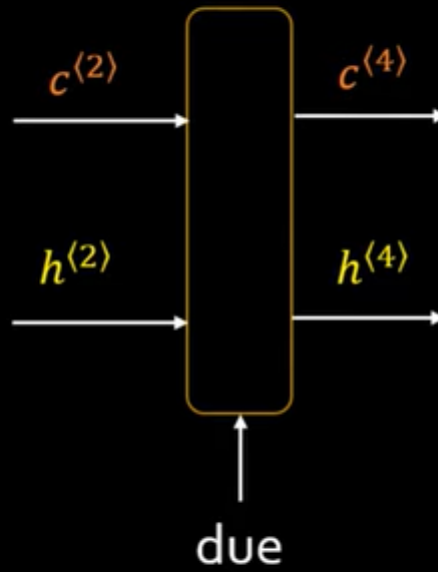
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Memory cell



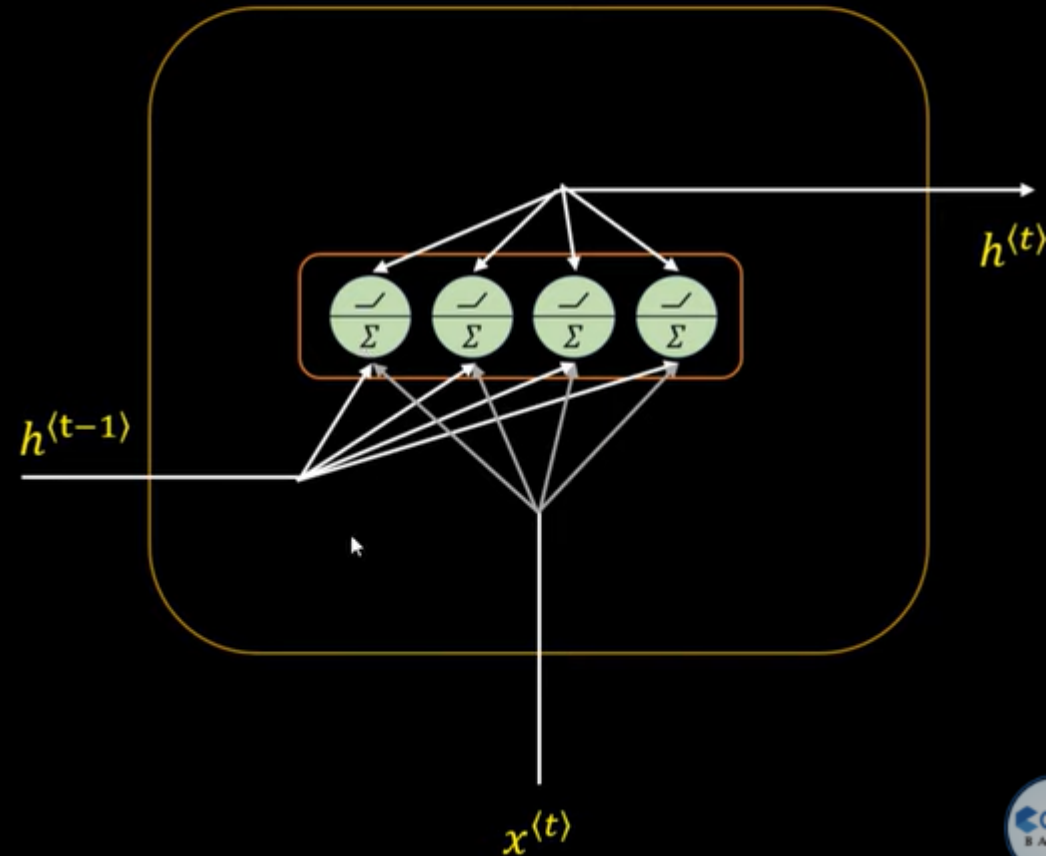
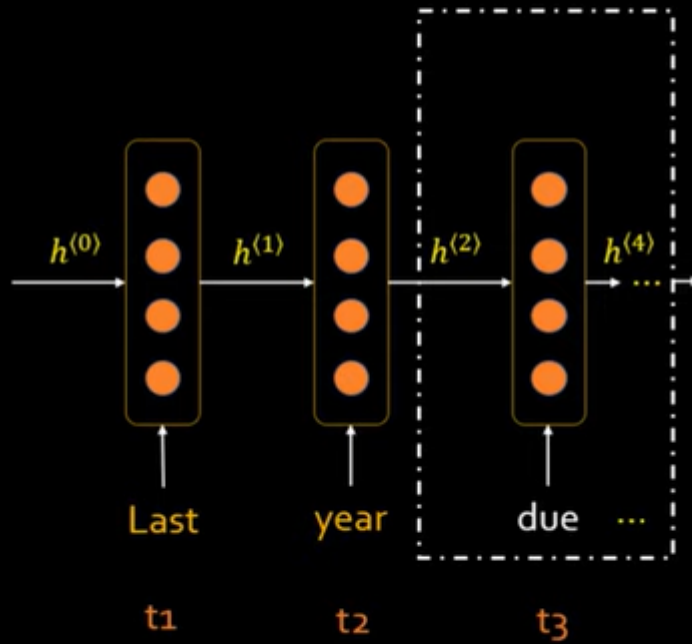
Memory cell



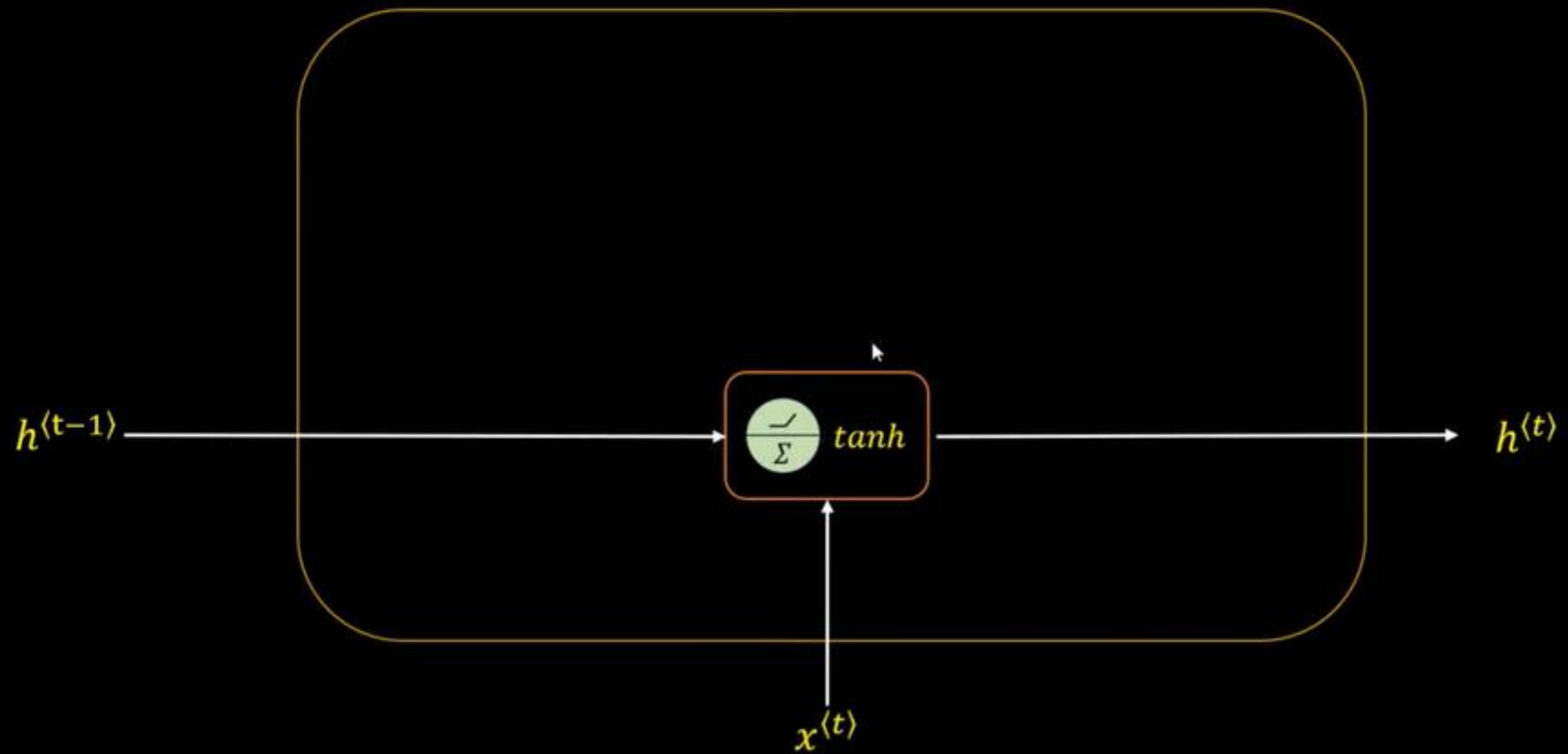
Long term memory

Short term memory

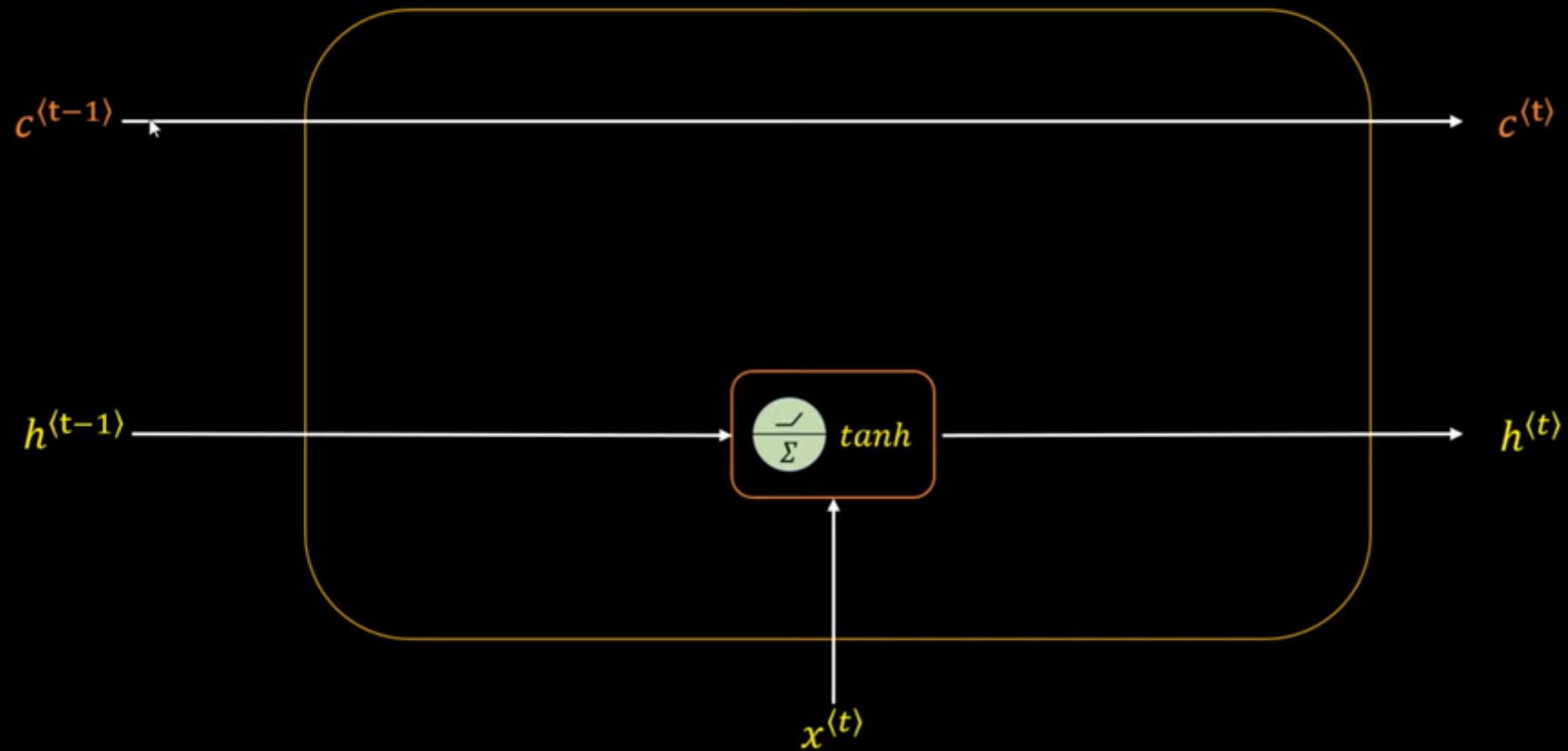
Short term memory cell in traditional RNN



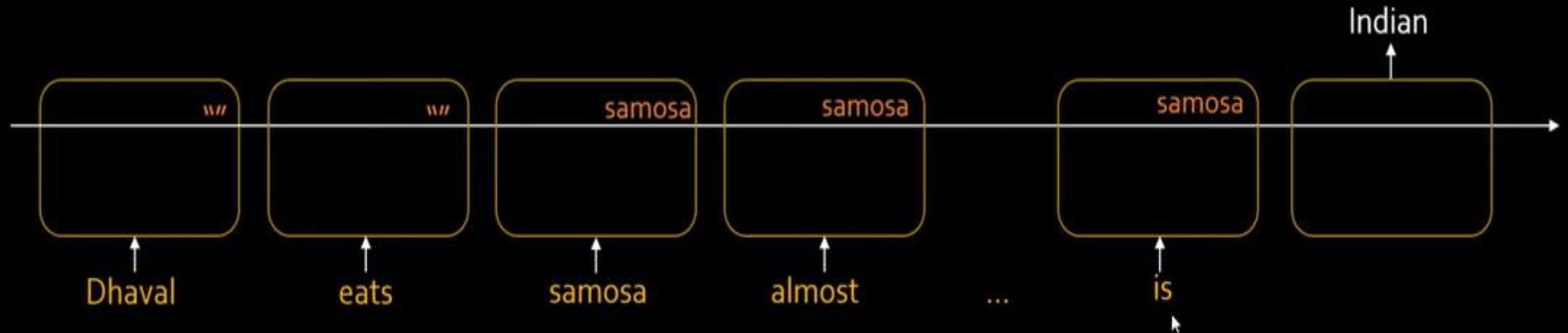
Short term memory cell in traditional RNN



Short term memory and long term memory



Dhaval eats samosa almost everyday, it shouldn't be hard to guess that his favorite cuisine is Indian

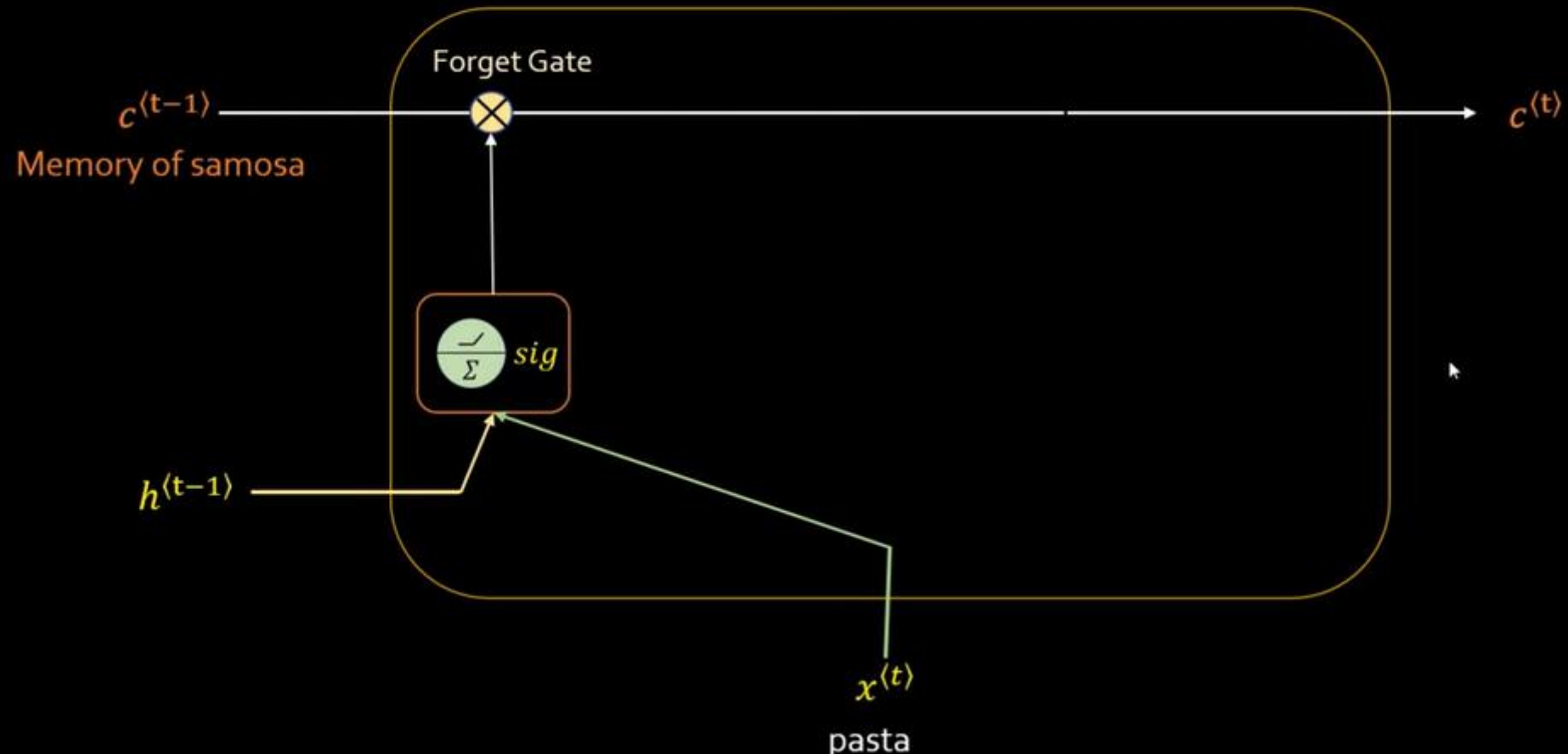


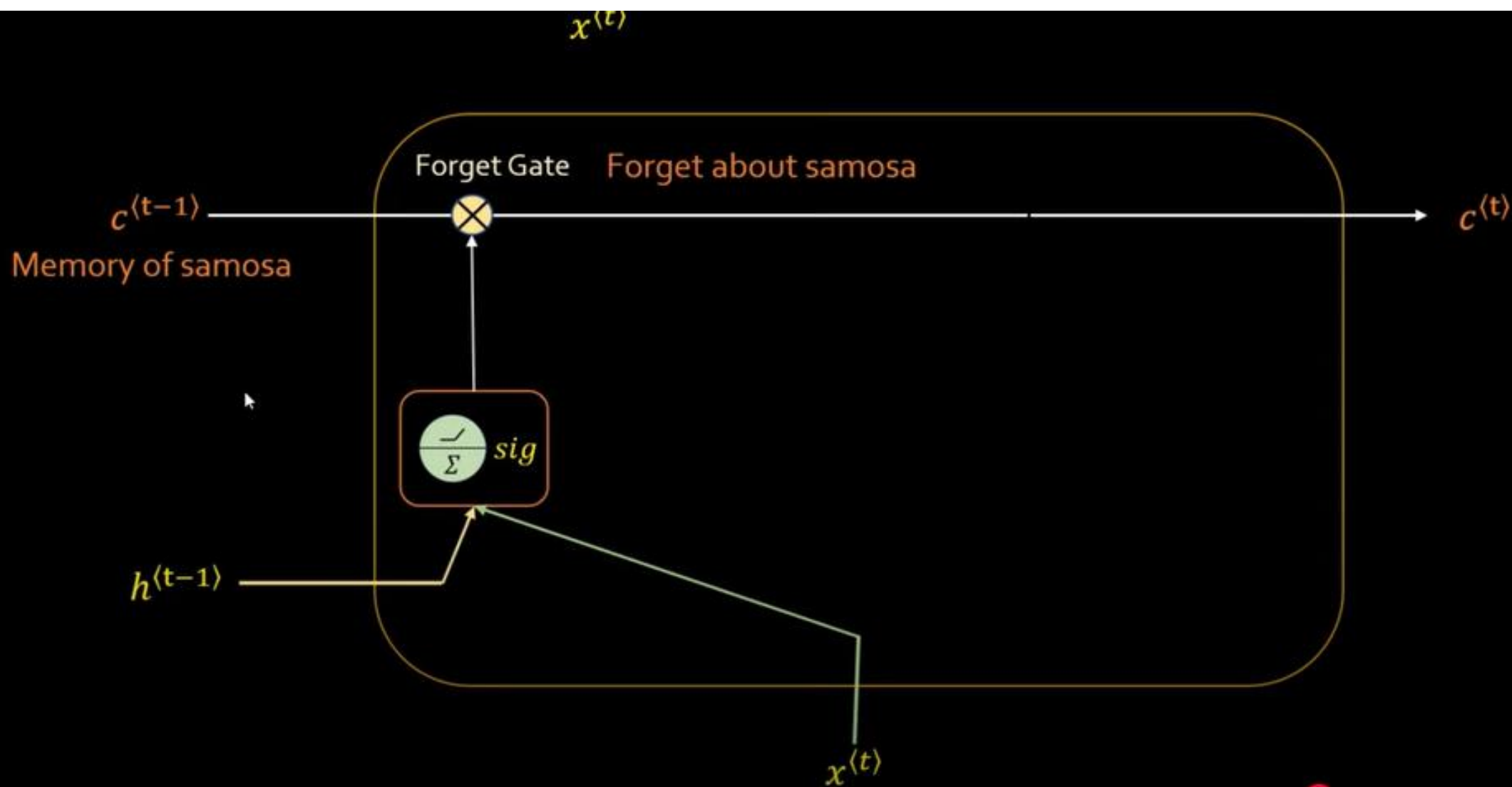
Dhaval eats samosa almost everyday, it shouldn't be hard to guess that his favorite cuisine is Indian. His brother Bhavin however is a lover of pastas and cheese that means Bhavin's favorite cuisine is Italian

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$x^{(t)}$

