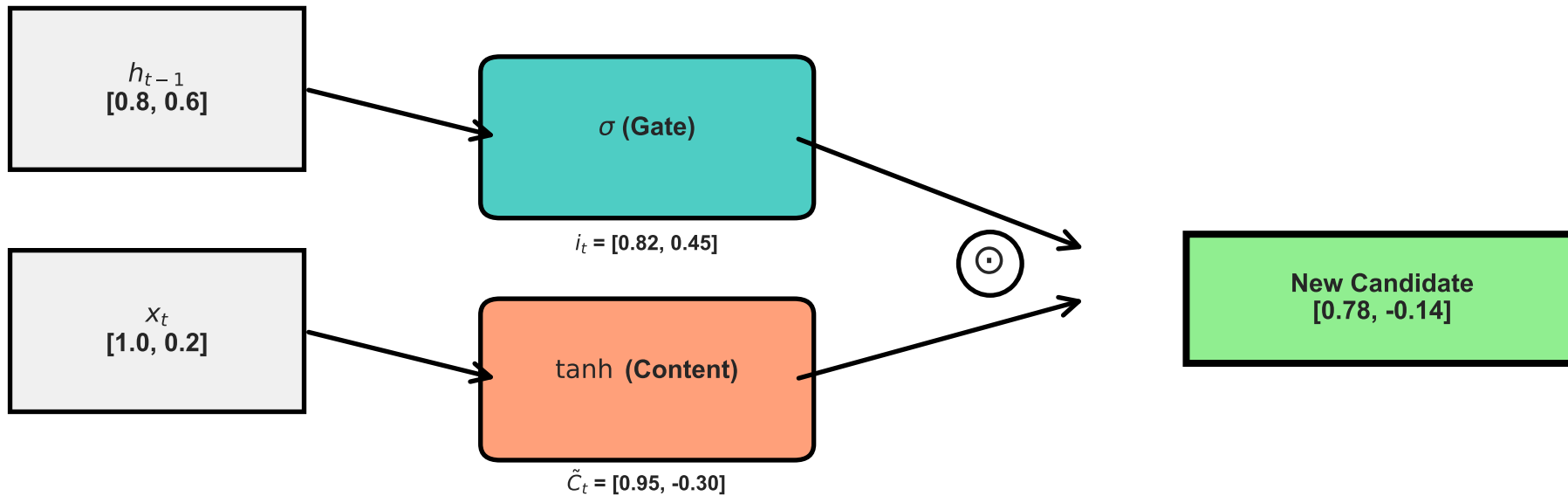


# Input Gate: Step-by-Step



*Gate decides: Store 82% of first value, only 45% of second*

*Tanh creates candidate: New memory content (-1 to 1 range)*

**Result: Controlled new memory =  $[0.78, -0.14]$**