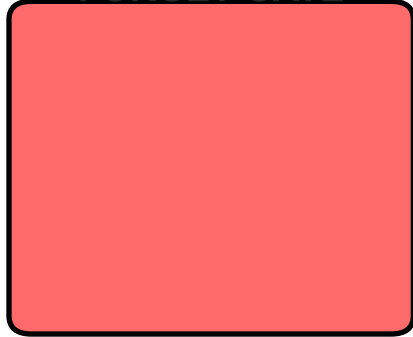


Three Gates Control Memory Flow

FORGET GATE



What to remove
from memory

0.0 = Erase all
1.0 = Keep all

INPUT GATE



What new info
to store

0.0 = Ignore new
1.0 = Store all

OUTPUT GATE



What to reveal
from memory

0.0 = Hide all
1.0 = Show all

All gates use Sigmoid function: output between 0 and 1