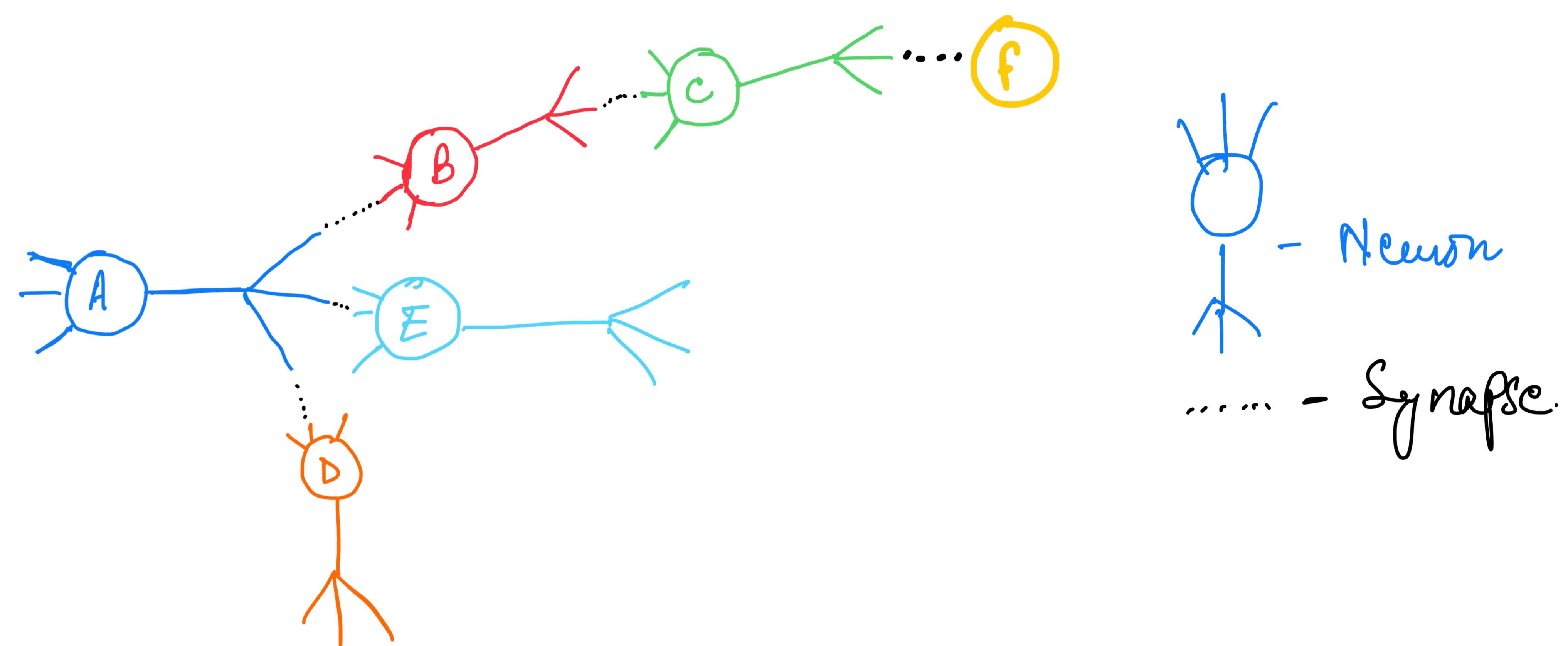
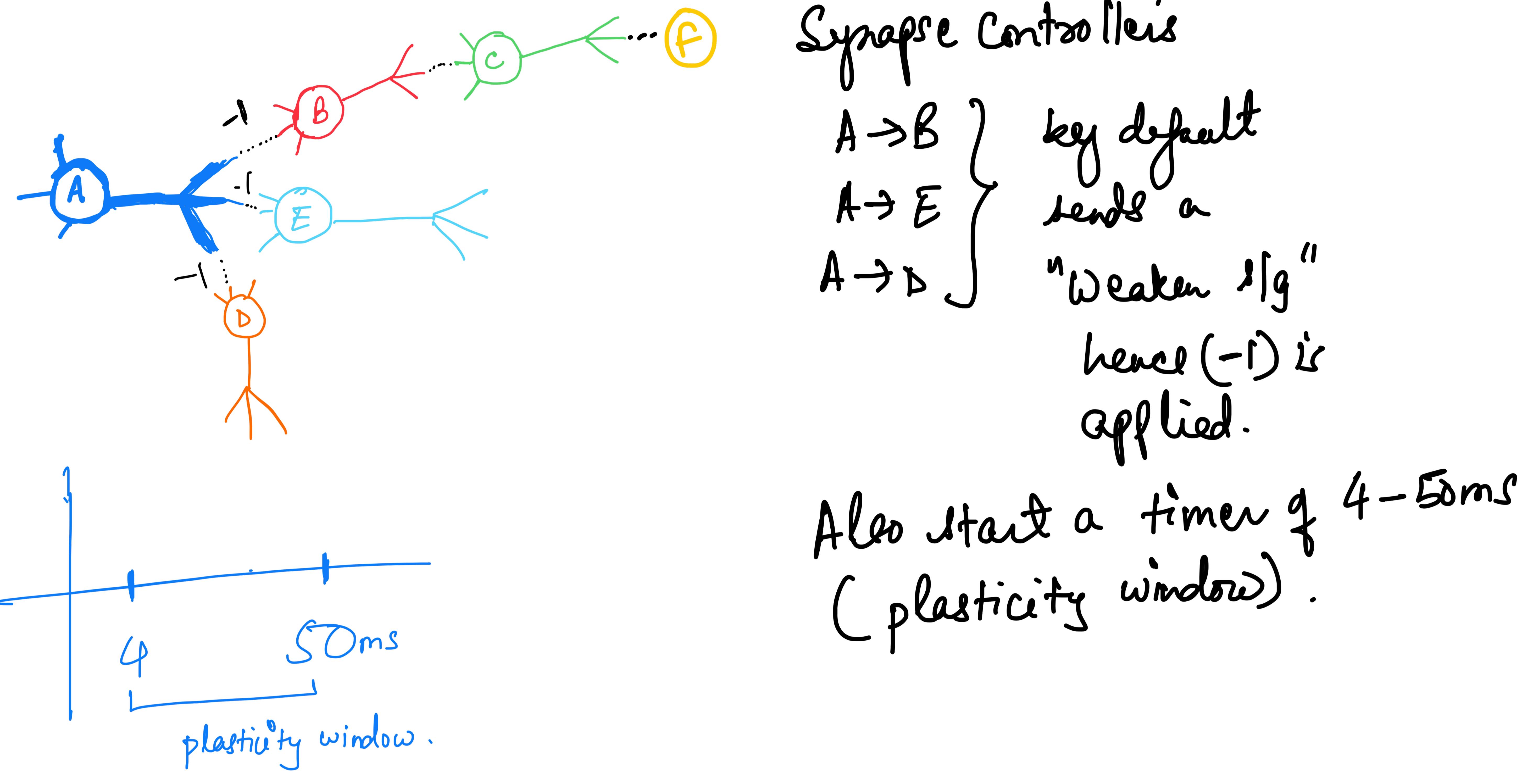
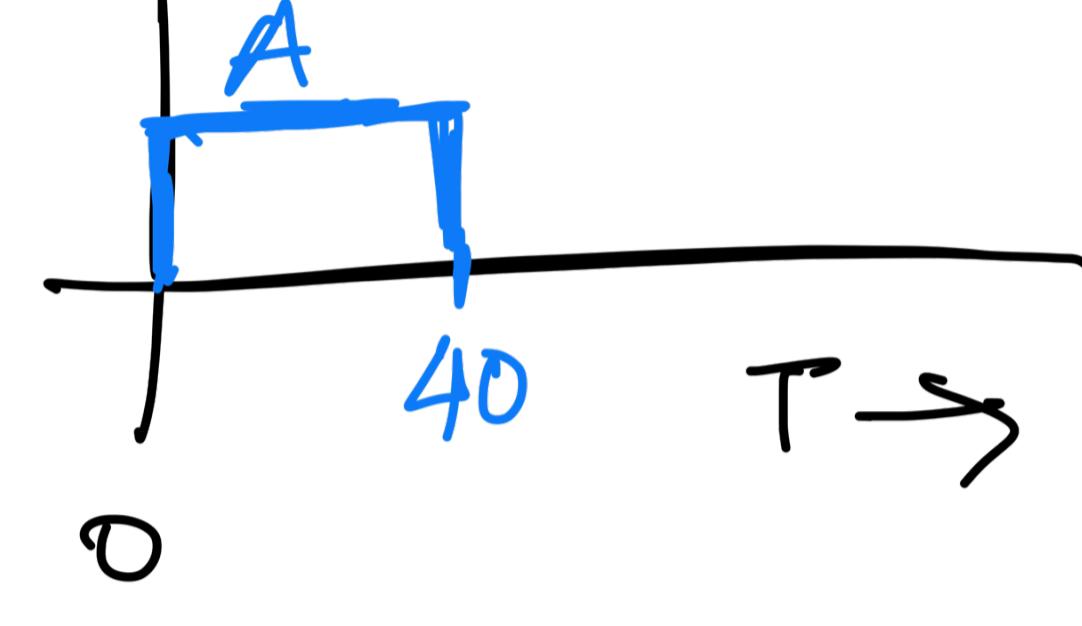


STM 2023 paper visually.

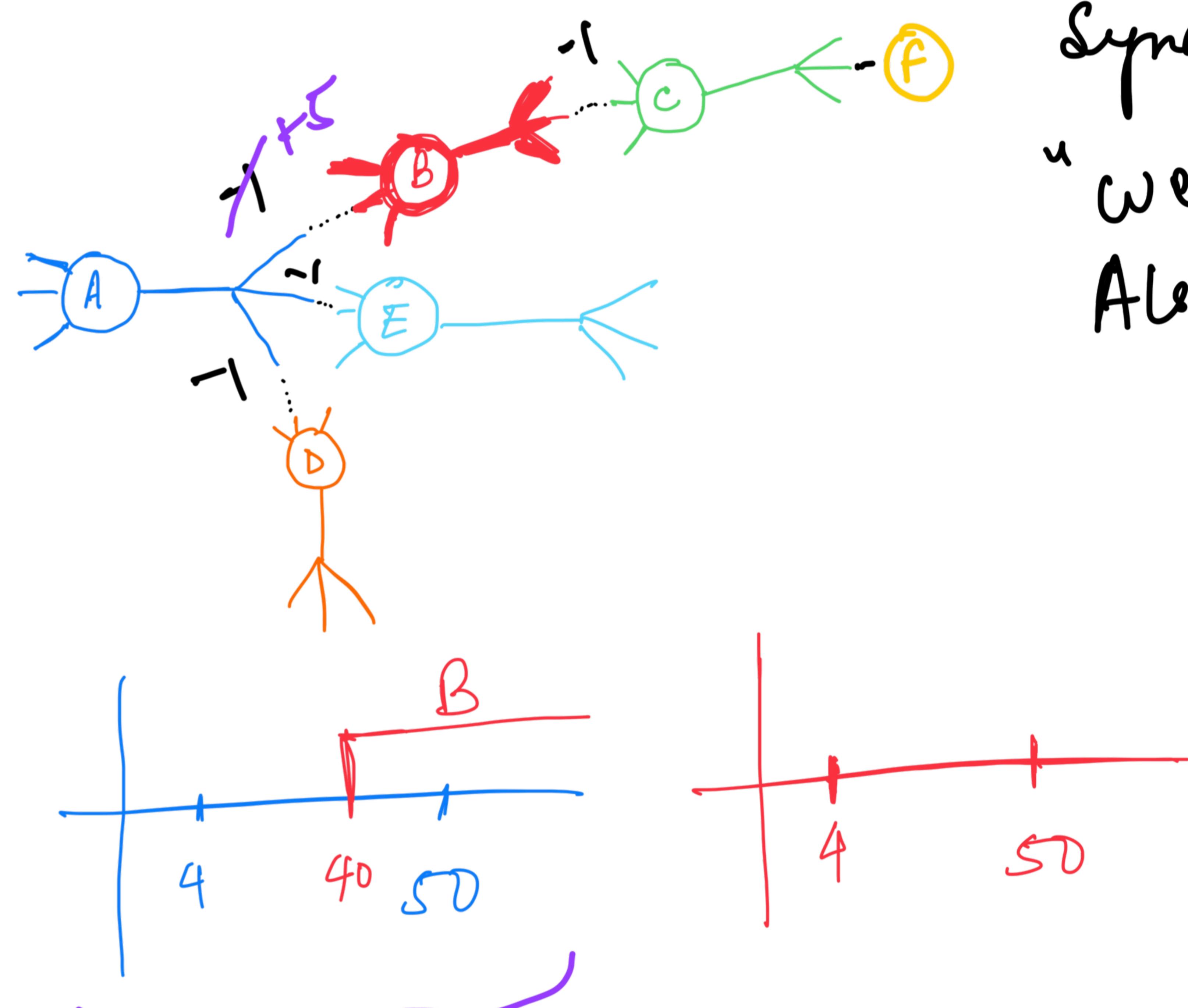
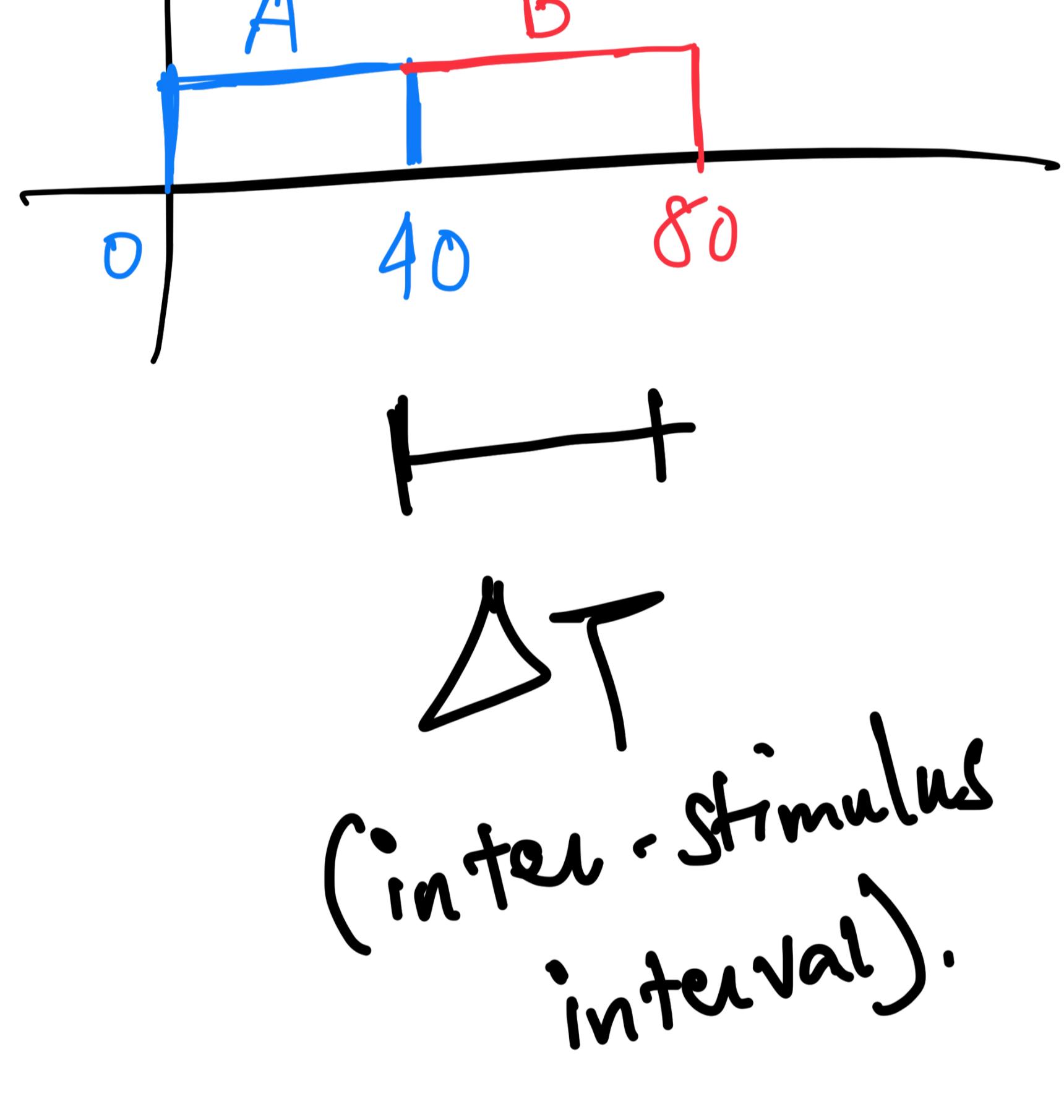
1.



2. $T = 0 \text{ ms}$
 input A is shown.
 Neuron A fires.



3. $T = 40 \text{ ms}$
 input B is shown.
 Neuron B fires.

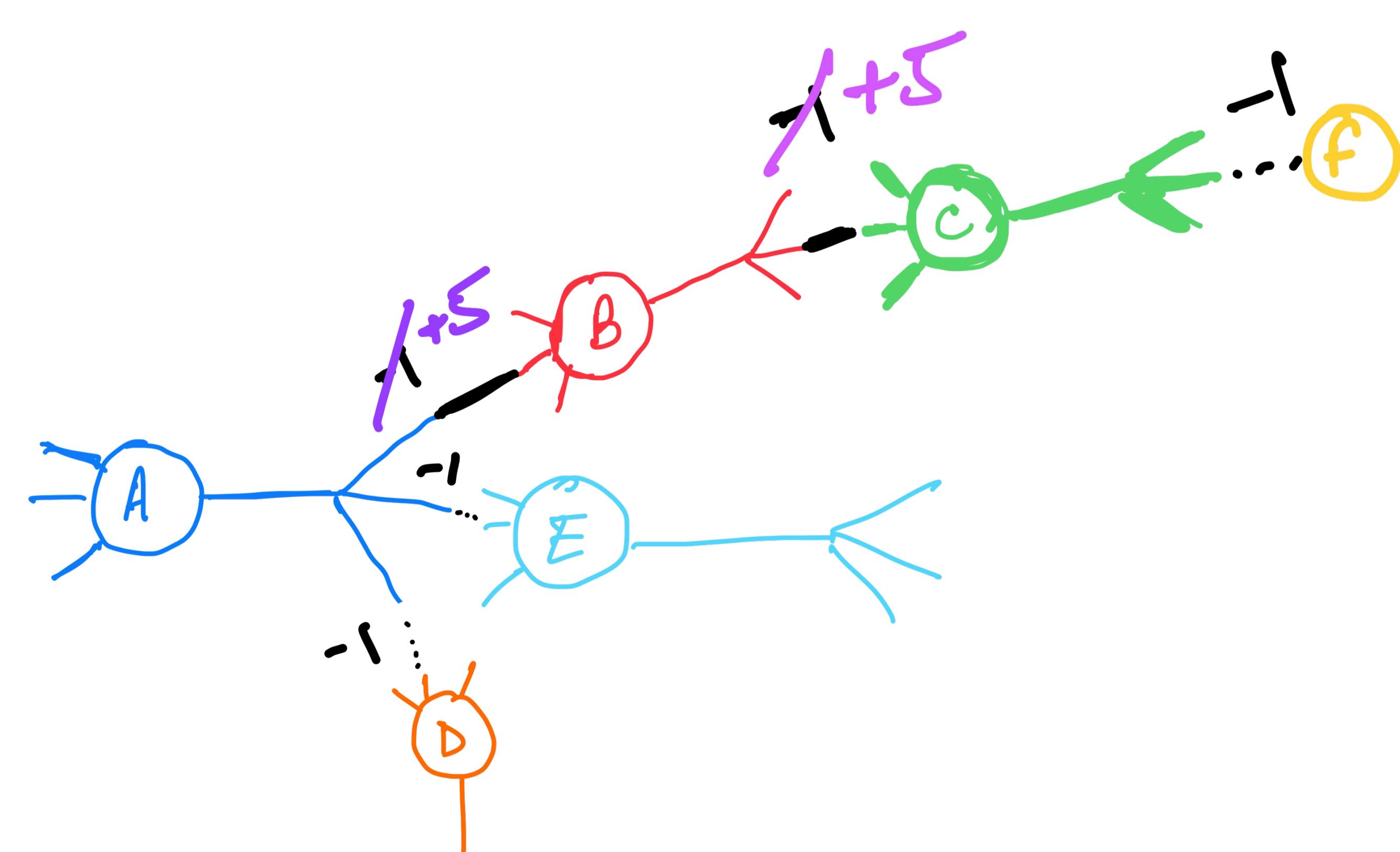
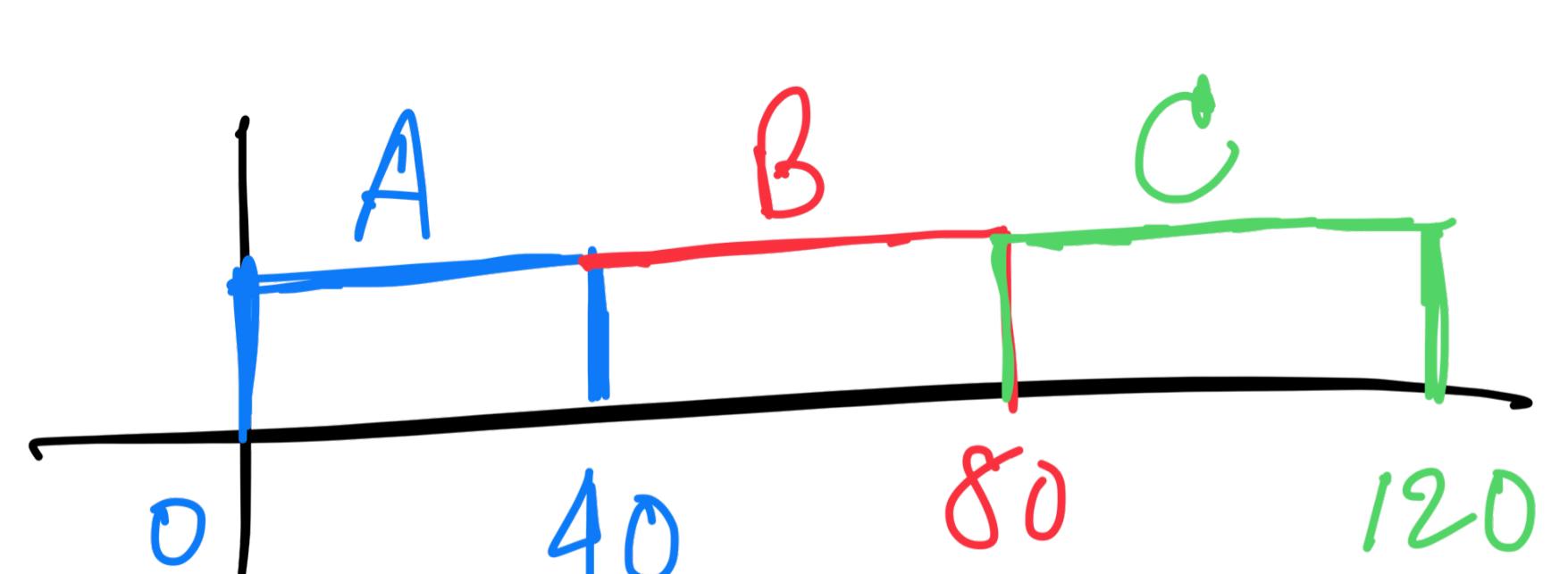


Synapse controller $B \rightarrow C$ sends a "weaken sig" hence (-1).
 Also starts a timer of 4-5ms.

Since a post spike is observed within the plasticity window, hence synapse controller $A \rightarrow B$ sends a "strengthen sig" hence (+5) (say).

Not observed any post spike for E,D so (-1) remains unchanged.

4. $T = 80 \text{ ms}$
 input C is shown.
 Neuron C fires.



$$\Rightarrow B \rightarrow C = +5$$