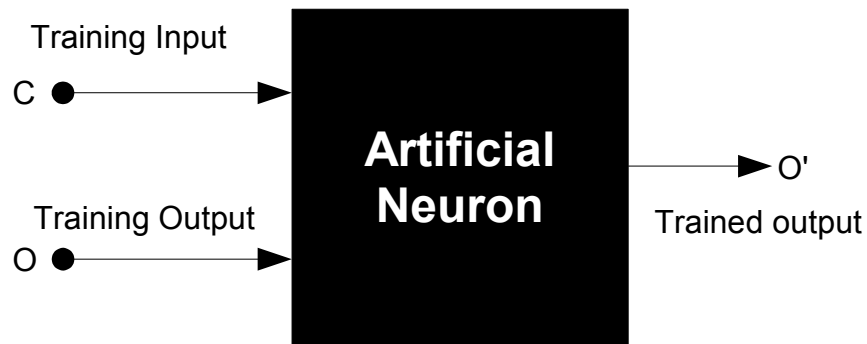# Designing a neuron

The digital logic

- Going digital is the Trend of today
- Digital logic is highly controllable
- Its perfectly duplicable
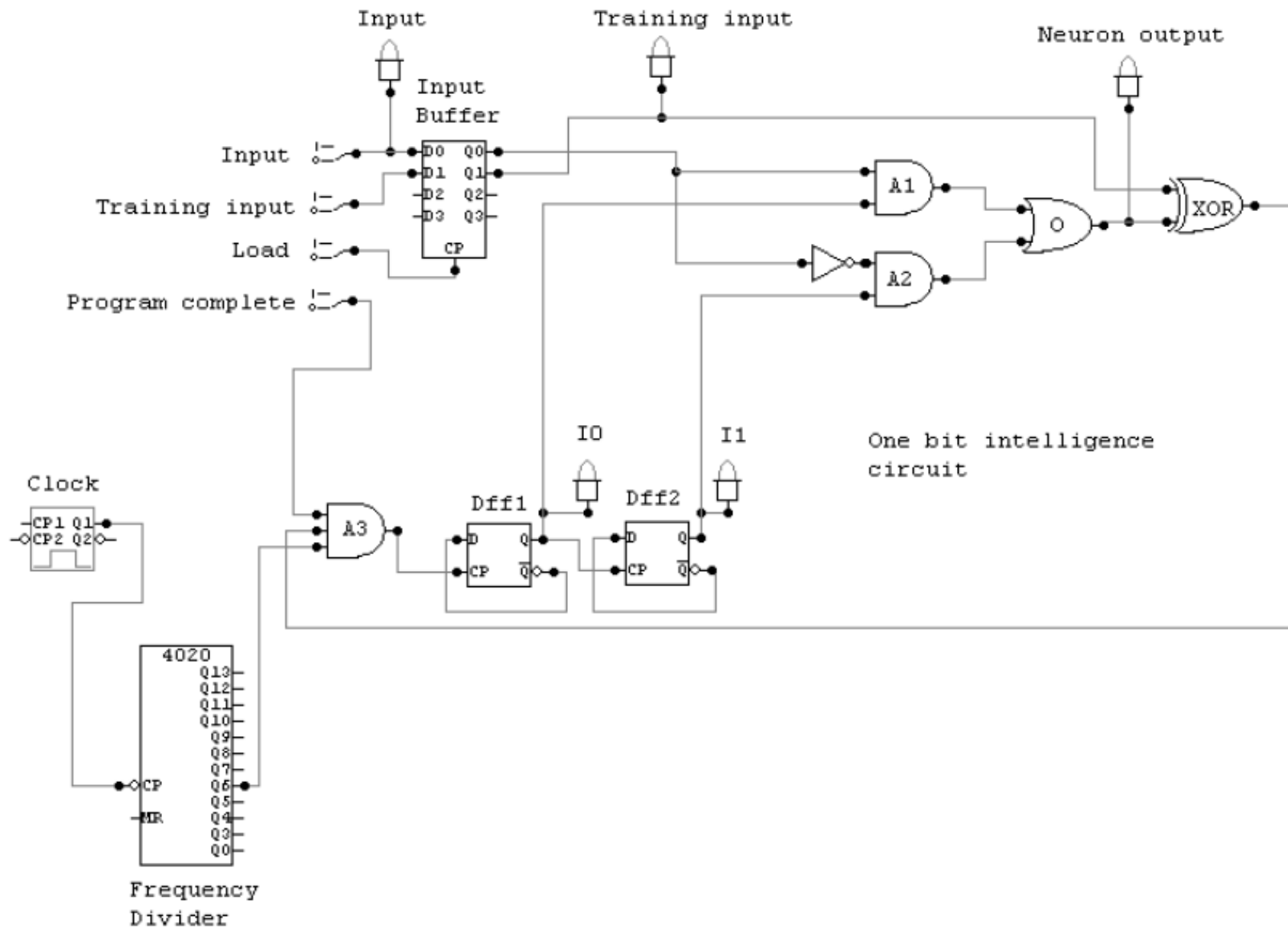
An one bit neuron

Training Input

C ●———→

Artificial Neuron

———→ O'

Trained output
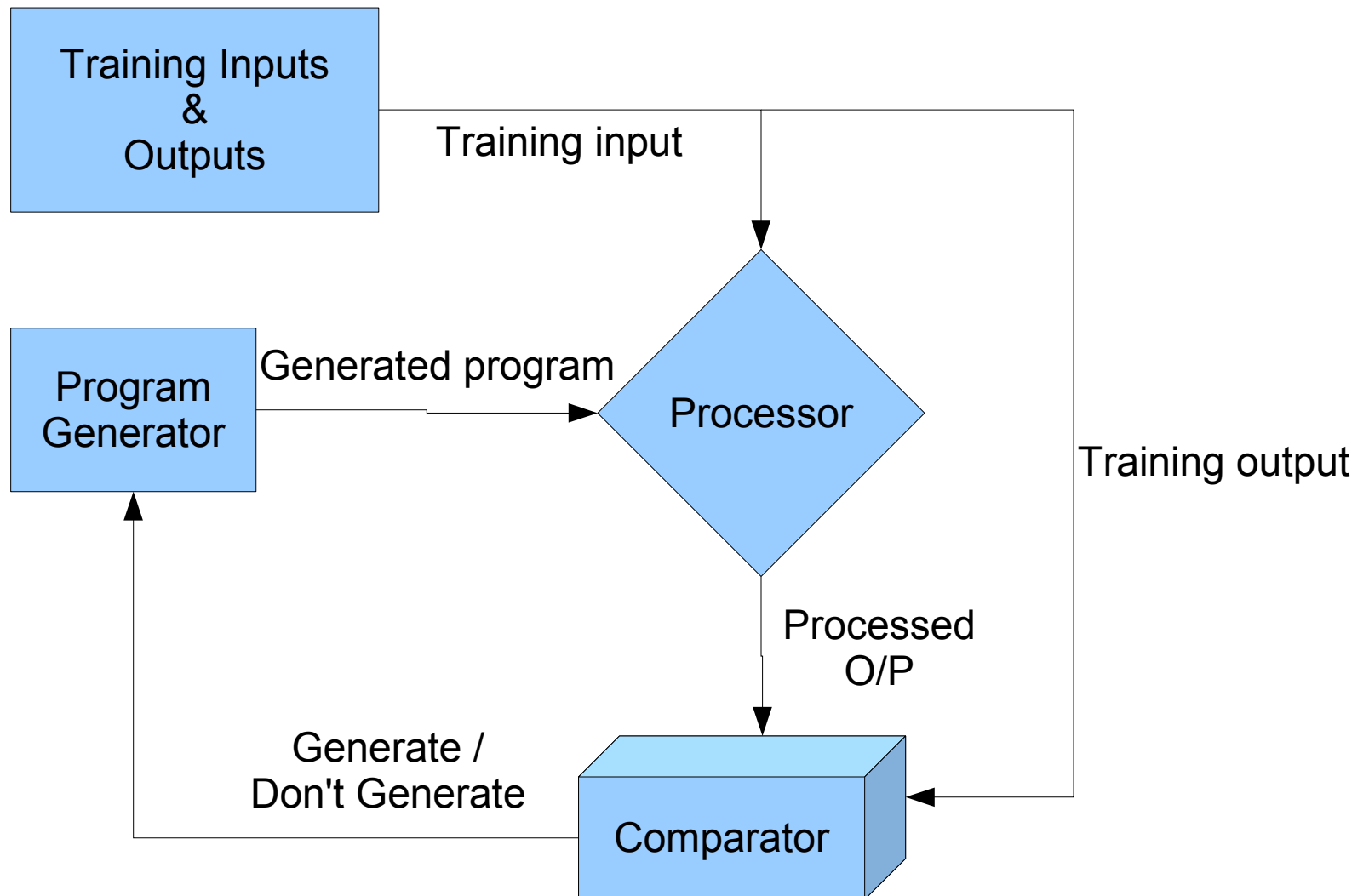
Training Output

O ●———→

The neuron can do the following actions

- Pass the input
- Toggle input
- Stay always high
- Stay always low

Digital circuit of neuron

Inside Artificial Neuron

The CODE

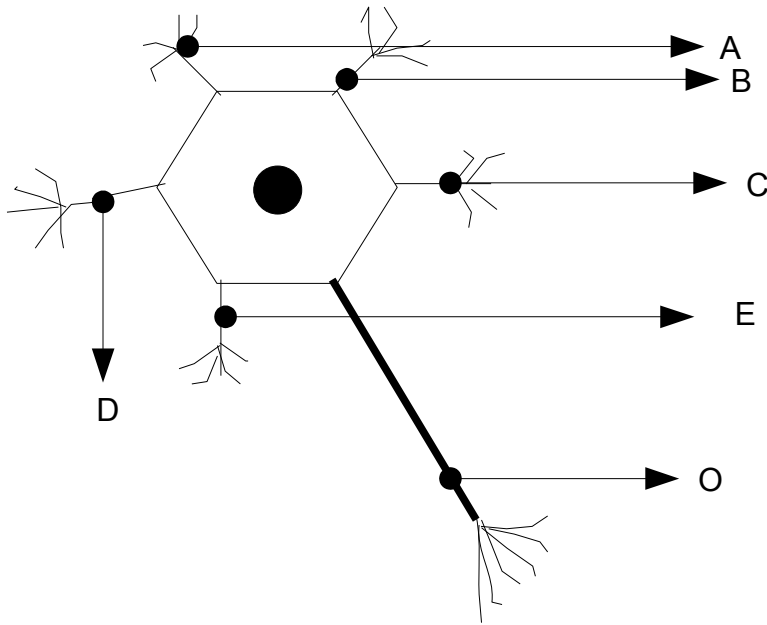- *If processed and training output are not equal then generate a new program*

Training a Artificial neuron

By
A.K.Karthikeyan

Need?

- To backup brain
- To develop a Artificial brain that extends beyond biological death
- To develop substitute for brain parts
- To complement and increase speed of biological brain

Tapping Inputs/Outputs of neuron

A
B

C

E

D

O

- A neuron is stimulated with certain kind of signals. The Input and outputs are probed at points
- These input and outputs are given as training inputs and outputs to the Artificial neuron.
- The artificial neuron learns the algorithm of biological neuron and can be substituted fr th biological neuron

Training Inputs

A
B
C
D
E

Training Output   O

Artificial
Neuron

O'
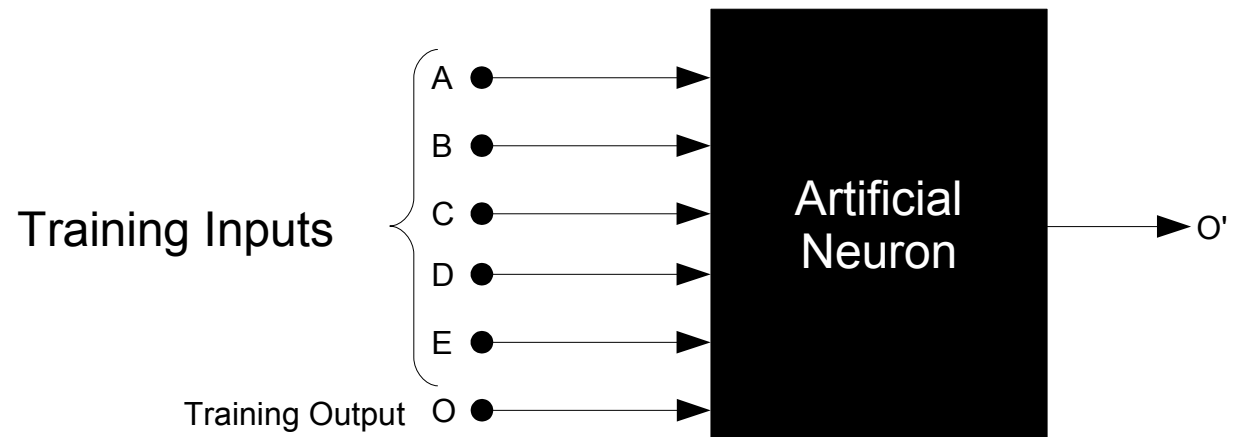
Possible Implications

- Human brain on chip

- Infinite memory

- Huge processing power

- Networking of brains

- Implementation @ Speed of thought

- Multiple existence

- Life beyond clinical death

- Virtualization of Human race &Birth of new form of life