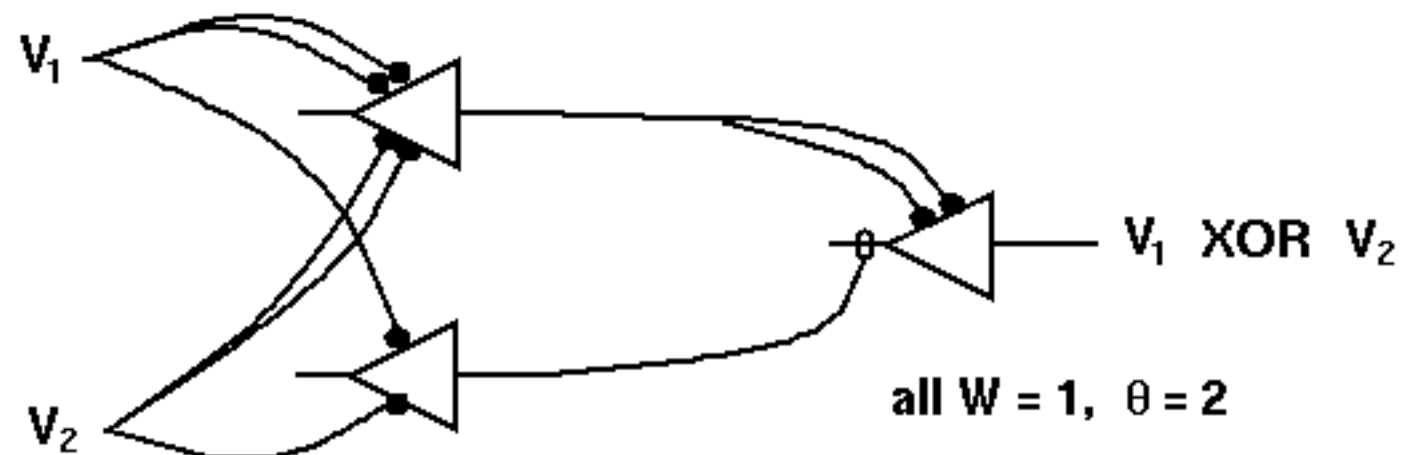
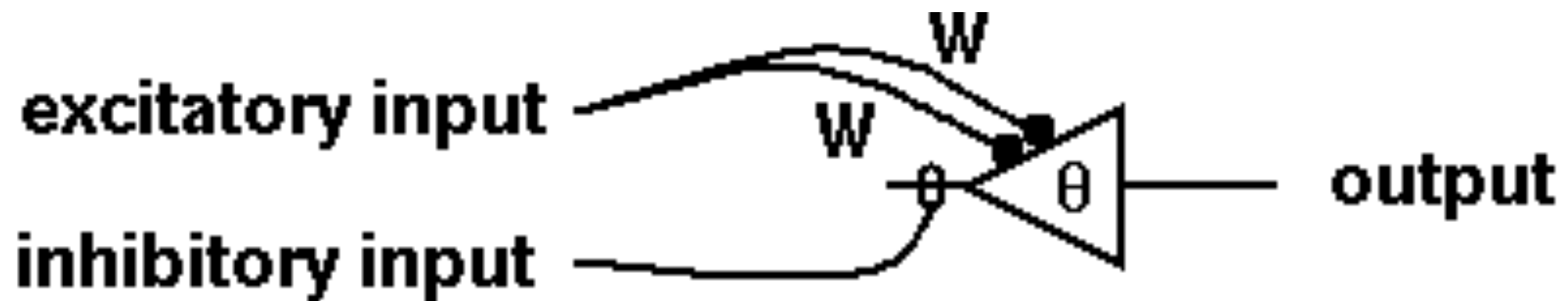


A Formalism for Approaching the Operation of a Single Neuron

1943

McCulloch-Pitts Artificial Neuron

$$V_i = \begin{cases} 1 & : \sum_j W V_j \geq \theta \text{ AND no inhibition} \\ 0 & : \text{otherwise} \end{cases}$$



Warren
McCulloch

Walter
Pitts