

Symbol	Meaning
n	Number of patterns
p	Number of inputs (features) in a pattern
m	Number of columns
q	Number of proximal synapses per column
ϕ_+	Permanence increment amount
ϕ_-	Permanence decrement amount
ϕ_σ	Window of permanence initialization
ρ_s	Proximal synapse activation threshold
ρ_d	Proximal dendrite segment activation threshold
ρ_c	Desired column activity level
s_{duty}	Minimum activity level scaling factor
s_{boost}	Permanence boosting scaling factor
β_0	Maximum boost
τ	Duty cycle period