NO

Iteration number>0

Input(x: vectors, t: the value it should be)

Calculate y by using the equation that y=f(wi·xi +b)

Initialize (set w and b as 0)

Return (y: 1 or 0)

CalculateΔwi andΔb usingΔwi=n\*(t-y)\*xi, Δb=n\*(t-y)

Update wi and b

Iteration number = Iteration number-1

YES

Output: wi and b