Resolução Euler Implícito

Equação: $Y' = Y - T^2 + 1$

$$W_{i+1} = W_i + h \cdot w_{i+1}$$

$$= W_i + h \cdot f(T_{i+1}, Y_{i+1})$$

$$= W_i + h \cdot (\overset{\text{dw}_{i+1}}{Y_{i+1}} - T_{i+1}^2 + 1)$$

$$W_{i+1} = W_i + h\, w_{i+1} - T_{i+1}^2 \cdot h + h$$

$$W_{i+1} - h w_{i+1} = W_i - h \cdot T_{i+1}^2 + h$$

$$W_{i+1} \cdot (1-h) = w_i + h \cdot (1 - T_{i+1}^2)$$

$$\boxed{W_{i+1} = \frac{W_i + h(1 - T_{i+1}^2)}{1-h}}$$