Input: n, steps between evaluations
Input: p, patience
Input: θ_0, initial parameters
Initialize: $\theta \leftarrow \theta_0$ counter to store the step number
Initialize: $i \leftarrow 0$ counter to store the step number
Initialize: $j \leftarrow 0$ counter for patience
Initialize: $v \leftarrow \infty$ variable that stores the best validation loss
Initialize: $\theta^* \leftarrow \theta$ variable that stores best parameter
Initialize: $i^* \leftarrow i$ variable that stores best step number
while $j < p$ **do**
    Train θ for n steps
    $i \leftarrow i + n$
    $v^{'} \leftarrow J(\theta; X^{validation}, Y^{validation})$ validation set loss
    if $v^{'} < v$ **then**
        $j \leftarrow 0$
        $\theta^* \leftarrow \theta$
        $i^* \leftarrow i$
        $v \leftarrow v^{'}$
    else
        $j \leftarrow j + 1$
return θ^* best parameters from the time step i^*