Algoritmo 1: *Co-Forest*

Input: Labeled dataset L, unlabeled dataset U, number of trees n, confidence threshold θ, initial confidence summation $W_{initial}$, and parameters for decision trees p

Output: Trained ensemble of trees H

for i = *0, ...,* $n-1$
  $L_i \leftarrow Bootstrap(L)$
  $h_i = \text{TrainTree}(L_i, p)$
  $\hat{e}_{i,t} \leftarrow 0{,}5$
  $W_{i,0} \leftarrow W_{initial}$
endfor
$t \leftarrow 0$
while *Any tree receives pseudo-labels*
  $t \leftarrow t+1$
  for i = *0, ...,* $n-1$
    $\hat{e}_{i,t} \leftarrow \text{EstimateError}(H_i, L)$
    $L'_{i,t} \leftarrow \emptyset$
    if $\hat{e}_{i,t} < \hat{e}_{i,t-1}$
      $W_{max} = \hat{e}_{i,t-1} W_{i,t-1} / \hat{e}_{i,t}$
      $U'_{i,t} \leftarrow \text{Subsample}(U, H_i, W_{max})$
      $W_{i,t} \leftarrow 0$
      foreach $x_j \in U'_{i,t}$ **do**
        if $Confidence(H_i, x_j) > \theta$
          $L'_{i,t} \leftarrow L'_{i,t} \cup x_j, H_i(x_j)$
          $W_{i,t} \leftarrow W_{i,t} + \text{Confidence}(H_i, x_j)$
        end
      end
    end
  endfor
  for i = *0, ...,* $n-1$
    if $(e_{i,t} * W_{i,t} < e_{i,t-1} * W_{i,t-1})$
      $h_i = \text{RetrainTree}(L_i \cup L'_{i,t})$
    end
  endfor
endwhile
return H