Data: unlabeled data set $\mathbf{X} = \{\mathbf{x}_1, \ldots, \mathbf{x}_N\}$, dissimilarity measure d, perplexity h, and threshold θ.
Result: class-labels $Y \in \{\text{inlier}, \text{outlier}\}$.
begin
  for $\mathbf{x}_i \in \mathbf{X}$ **do**
    Determine sigma
    Compute binding probability b_{ij} using Equation 4.1 and Equation 4.5 with dissimilarity measure d and perplexity h.
  end
  for $\mathbf{x}_j \in \mathbf{X}$ **do**
    Compute outlier probability $p\left(\mathcal{C}_o|\mathbf{x}_j\right)$ using Equation 4.2, and determine class-label:
    if $p\left(\mathbf{x}_i \in \mathcal{C}_O\right) > \theta$ **then**
      $y_i = \text{outlier}$
    else
      $y_i = \text{inlier}$
    end
  end
  return Y
end