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Algorithm 2: The inference process of Preferential Labeling
  Data: G: the input graph dataset; K the sampling times; GNN the GNN model
   Result: Y: the outputs of GNN
  highestProb = 0
Y = None
i = 0
4 while i < K do
      i += 1
      // randomly permute G
      PG = randomPermute(G)
      // feed the permuted graph to GNN and get the output probabilities
      y = GNN(PG)
9
      // compute the product of node probabilities (for each node, we select the highest
10
        probability among all classes)
      prob = product(y)
11
      if prob > highestProb then
12
          highestProb = prob
13
          Y = y
14
      end
15
16 end
17 return Y
```