procedure Algorithm 1
input:
   DAG of the neighborhood
   set $Q$ of query elements
output:
   comparison results of pertinent target sets with $Q$
begin
   Init queue with nodes corresponding to query elements
   while the queue is not empty do
      $T \leftarrow$ next element of the queue
      $\triangleright$ local decision of pertinence
      if pertinent($Q, T$) then
         $\triangleright$ $T$ is pertinent, performs comparison
         output(similarity_index($Q, T$))
      if $T$ does not contain all the query elements then
         for each unseen parent $T'$ of $T$ do
            if $|T'| \leq \text{max\_target\_size}$ then
               append $T'$ to the queue
      end while
end