```
1: procedure SEMI-RANGE-FILTERING (QNode 𝒬,
   ONode 𝒪, distance ϵ)        ▷QNode is a node of T_Q;
   ONode is a node of T_O
2:     if 𝒬.count = 0 or 𝒪.count = 0 then
3:         return;
4:     if |𝒬, 𝒪|_minK − 𝒬.r_max − 𝒪.r_max ≥ ϵ then
5:         Add 𝒬 to C;
6:     else
7:         if 𝒬 is a leaf node then
8:             Add 𝒬 to C;
9:         else
10:            for each child node Q^P ∈ 𝒬 do
11:                for each child node O^P ∈ 𝒪 do
12:                    Semi-range-Filtering(Q^P, O^P, ϵ);
```