**Data:** $G = (X, U)$ such that $G^{tc}$ is an order.
**Result:** $G' = (X, V)$ with $V \subseteq U$ such that $G'^{tc}$ is an interval order.

```
begin
    V ⟵ U
    S ⟵ ∅
    for x ∈ X do
        NbSuccInS(x) ⟵ 0
        NbPredInMin(x) ⟵ 0
        NbPredNotInMin(x) ⟵ |ImPred(x)|
    end
    for x ∈ X do
        if NbPredInMin(x) = 0 and
         NbPredNotInMin(x) = 0 then
            AppendToMin(x)
        end
    end
1   while S ≠ ∅ do
REM     remove x from the list of T of maximal index
2       while |S ∩ ImSucc(x)| ≠ |S| do
            for y ∈ S − ImSucc(x) do
                { remove from V all the arcs zy : }
                for z ∈ ImPred(y) ∩ Min do
                    remove the arc zy from V
                    NbSuccInS(z) ⟵
                     NbSuccInS(z) − 1
                    move z in T to the list preceding its
                     present list
                    {i.e. If z ∈ T[k], move z from T[k]
                     to T[k − 1]}
                end
                NbPredInMin(y) ⟵ 0
                NbPredNotInMin(y) ⟵ 0
                S ⟵ S − {y}
                AppendToMin(y)
            end
        end
        RemoveFromMin(x)
    end
end
```

**Algorithm 1:** IntervalRestriction