Algorithm 3 SpatialCleansing(Aggregate tracking table ATT, Distance-aware deployment graph G_{dd})

1: **for** each tr in ATT **do**
2:     $mdt \leftarrow G_{dd}.\mathcal{L}_V(tr.deviceID)$
3:     $tr' \leftarrow$ the previous record in ATT such that $(tr.objectID = tr'.objectID) \wedge (tr.deviceID \neq tr'.deviceID)$
4:     **if** $tr' =$ null **then**
5:         **continue**
6:     $mtt \leftarrow min\_tt(tr'.deviceID, tr.deviceID)$
7:     **if** $(tr.t_s - tr'.t_e < mtt + mdt)$ **then**
8:         $tr.t_s \leftarrow tr'.t_e + mdt + mtt$
9:         **if** $(tr.t_e - tr.t_s \leq 0)$ **then**
10:            delete tr from ATT