```
 1: function CHECK_IF_IEDS_CAN_COMMUNICATE(scl, solution, mapping)
 2:     for all subnetwork in set(get_subnetworks(scl)) do
 3:         found := set( (ied → false) foreach ied in keyset(mapping))
 4:
 5:         for all accesspoint in set(get_accesspoints(scl, subnetwork))) do
 6:             if accesspoint.Ied in keyset(mapping) then
 7:                 found[accesspoint.Ied] = true
 8:             end if
 9:
10:             if found[ied] == true foreach ied in keyset(mapping) then
11:                 return true
12:             end if
13:         end for
14:     end for
15:     return false
16: end function
```