

```

1: function FINDNEIGHBOURS(nodes)
2:   for i 0 to nodes.size do
3:     for j i+1 to nodes.size do
4:       dist  $\leftarrow$  distance between i and j
5:       if dist  $\leq$  tr then
6:         add i in j's neighbours
7:         add j in i's neighbours
8:       end if
9:     end for
10:  end for
11:  for i 0 to nodes.size do
12:    for j 0 to number of i's neighbours do
13:      for k 0 to number of j's neighbours do
14:        if not already exists then
15:          add k in i's 2-hop neighbours
16:        end if
17:      end for
18:    end for
19:  end for
20: end function

```

▷ 1-hop Neighbours

▷ 2-hop Neighbours