

```
1 Find_SCC: // from 3/14/19 lecture
2     DFSAll(G)
3     DFSAll(Gr)
4     return SCC_list // list SCCs with a list of vertices within each
5
6 Rainbow_Walk:
7     scc_list = Find_SCC
8     for each scc in scc_list:
9         color_list = [1..k]
10        for each vertex v within scc:
11            for each adjacent vertex u within scc:
12                mark color of edge (v,u) in color_list
13            if color_list is completely marked:
14                return true
15    return false
```