

```

1 StronglyConnectGraph(G)
2 {
3     explore = new empty stack
4     Graph StronglyConnected = new Graph(V,E' = []) //instantiate new graph with empty edges
5
6     //choose some random vertex v
7
8     vertex v = vertices.top
9
10    explore.push(v)
11    While (explore != empty)
12    {
13        u = explore.pop()
14        neighbor = u.neighbor() //a single unmarked neighbor of u
15        if(neighbor is unmarked & n is not equal to v)
16        {
17            explore.push(neighbor)
18        }
19        mark neighbor as visited
20        E'.add(u,neighbor)
21        E.remove(u,n)
22    }
23 }

```