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/*
    | Tarjan |
    Desc: Algorithm for finding Strongly Connected Components
    Source: CP2
    State: Probably works but idk
*/

vi dfs_num, dfs_low, S, visited;

void tarjanSCC(int u) {
    dfs_low[u] = dfs_num[u] = dfsNumberCounter++; // dfs_low[u] <= dfs_num[u]
    S.push_back(u); // stores u in a vector based on order of visitation
    visited[u] = 1;
    for (int j = 0; j < (int)AdjList[u].size(); j++) {
        ii v = AdjList[u][j];
        if (dfs_num[v.first] == DFS_WHITE)
            tarjanSCC(v.first);
        if (visited[v.first]) // condition for update
            dfs_low[u] = min(dfs_low[u], dfs_low[v.first]);
    }
    if (dfs_low[u] == dfs_num[u]) { // if this is a root (start) of an SCC
        printf("SCC %d:", ++numSCC); // this part is done after recursion
        while (1) {
            int v = S.back(); S.pop_back(); visited[v] = 0;
            printf(" %d", v);
            if (u == v) break;
        }
        printf("\n");
    }
}
```