1 (1.5 pt) Capital City

- Applying tarjans algorithm for finding all strongly connected components and create a condense graph.

- Then we should find if the resulting graph is weakly connected or not.

- If yes then output all the vertices of the component of which has in order 0.

- If graph is not weakly connected then answer is 0.

- Tarjan's algorithm is linear time, finding if the graph is weakly connected is equal to time complexity of BFS.

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[1]Some of the problems are adapted from existing problems from online sources. Thanks to the original authors.