Algorithm's Project

Twitter Followers Project

In this project, you are **given** a comma-separated file to represent some Twitter users and the users they follow. The file name is "twitter.csv". Each row represents a certain user's id and the id of another user he/she follows.

e.g.

1,2 //user with id = 1 follows the user with id = 2

2,5 //user with id = 2 follows the user with id = 5

3,5 //user with id = 3 follows the user with id = 5

1,6 //user with id = 1 follows the user with id = 6

You are **required** to make a program that stores this data in a suitable data structure that helps your program to retrieve the Top-**influencer** that has the highest number of followers, when required, and then the next Top-**influencer** and so on.

Also, you have to support a complexity analysis illustration to your program's algorithm in any illustration form; a piece of paper, presentation slides, … etc.

As a **bonus** question, you may take a Twitter account id from the user and calculate its closest group of Twitter users to recommend as a new friend. Closest means they have at least a threshold number of Twitter accounts in common. One of your responsibilities in this bonus task is to determine this threshold.

The attached dataset contains **2,420,766** different **following states (edges)** and around **81,000** different **Twitter accounts**.