It asks the user how many lines they want to process from this file.

For the specified number of lines, it looks at pairs of friends and calculates their mutual friends and It examines buddy pairs and determines the mutual friends of those pairs for the specified number of lines.

If two friends have names that begin with "1" or "5", it filters out those key value pairsA screenshot of a graph

Description automatically generated

The results are combined and formatted.

It calculates the duration of this process and outputs the time.

The results are then saved to a file.