

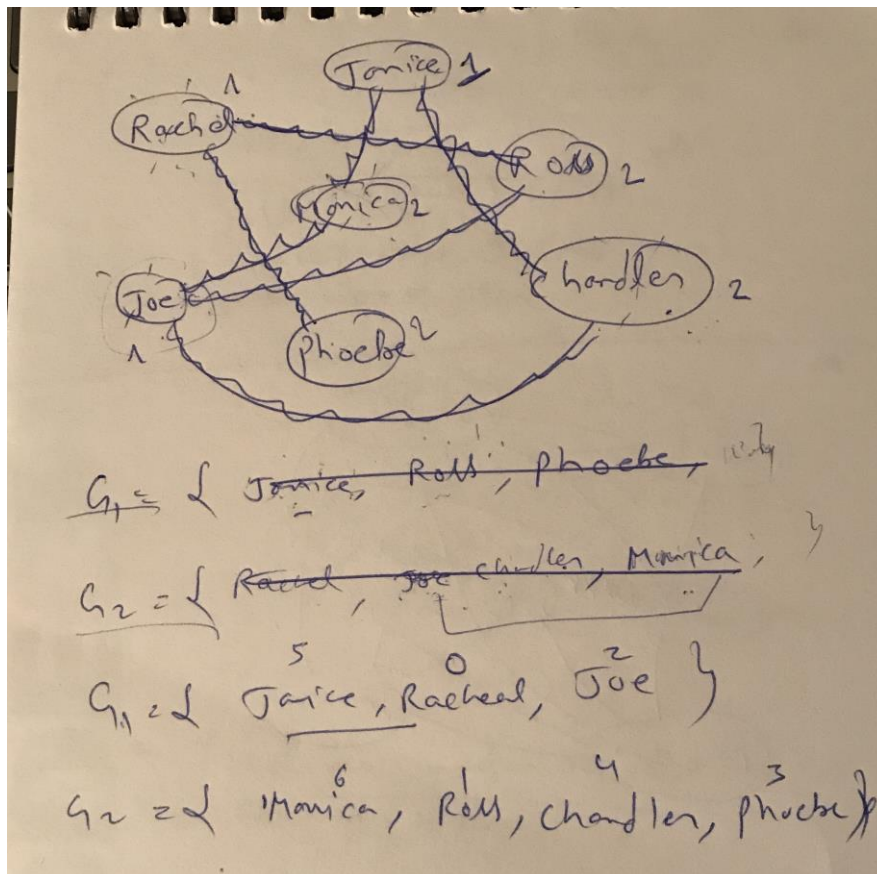
Explanation of Problem Friends:

We have a problem to put 7 friends in two cars so that journey can be pleasant. the constraint is many of them have issues with each other and cannot sit together in same car. so we have to make a combination tat there is no issues between people sitting in same car.

For this problem to be solved by graph, I represented friends as a vertex of graph and the issue between two is edge between vertex. Now the concept of bipartite graph can be used to solve this problem.

Bipartite Graph means that there are two subset possible of a graph such that no arc of graph g connect the vertices in each subgraph. Using this problem I can divide the graph into two colour vertex representing two cars such that no arc of G connect those vertex.

Given is Graphical Representation of Solution:



Also, algorithm to is implemented in exercise_2_friends.c to graphically show the result.