PROBLEM 3.

Given is a group of N persons. Everybody is a friend of more then [N/2] of the others and has no more than K enemies. One of the persons has a book that everybody would like to read and then to discuss it with some of the others.

Write a program that:

1. Finds out a way of handing around the book so that everyone gets it only once and passes it to a friend of his, and it returns to its owner at last.

2. Divides the persons into S subgroups for discussing the book. Everyone must have no more than P enemies in the subgroup he joins.

It is supposed that S*P>=K.