CS 4700 Program 2  Ruby Programming  (10 Points Due Feb 16, 2010)
Spies

For each person in your group, you want to assign a "spy" such that no one spies on themselves or someone with the same last name.

Input:
A file you will name "people.txt" of the form:
Luke Skywalker <luke@theforce.net>
Leia Skywalker <leia@therebellion.org>
John Wayne <John@Western.com>
Clark Kent <super@gmail.com>
Lois Ken <super2@gmail.com>
Pop Eye <popeye@gmail.com>
Private Eye <wise@gmail.com>
Robotic Eye <me@gmail.com>
Vicki Allan <Vicki.Allan@usu.edu>
Joe Allan <joeTheAllan@usu.edu>
Terrance Allan <Terry.All@gmail.com>
Philip Allan <PhilDoll@gmail.com>

Assume all names have one first name and one last name. You are to print out a list of spy assignments

Output of the form:
Person Luke Skywalker at <luke@theforce.net> spies on Person Philip Allan at <PhilDoll@gmail.com>
Person Leia Skywalker at <leia@therebellion.org> spies on Person Vicki Allan at <Vicki.Allan@usu.edu>
Person John Wayne at <John@Western.com> spies on Person Leia Skywalker at <leia@therebellion.org>
Person Clark Kent at <super@gmail.com> spies on Person Robotic Eye at <me@gmail.com>
Person Lois Ken at <super2@gmail.com> spies on Person Pop Eye at <popeye@gmail.com>
Person Pop Eye at <popeye@gmail.com> spies on Person Joe Allan at <joeTheAllan@usu.edu>
Person Private Eye at <wise@gmail.com> spies on Person Clark Kent at <super@gmail.com>
Person Robotic Eye at <me@gmail.com> spies on Person Terrance Allan at <Terry.All@gmail.com>
Person Vicki Allan at <Vicki.Allan@usu.edu> spies on Person John Wayne at <John@Western.com>
Person Joe Allan at <joeTheAllan@usu.edu> spies on Person Luke Skywalker at <luke@theforce.net>
Person Terrance Allan at <Terry.All@gmail.com> spies on Person Private Eye at <wise@gmail.com>
Person Philip Allan at <PhilDoll@gmail.com> spies on Person Lois Ken at <super2@gmail.com>

Things to try:

1. Create a class People. Use to_s to convert a person to a string.
2. Create an array of class People.
3. You can randomly arrange an array by using sort_by { rand}
   @spy = @persons.sort_by{ rand}

4. @spy = @persons.dup Duplicates an array
5. Use regular expressions
6. You can assign multiple things at a time (and even swap values)
   def initialize(first, family, mail)
     @first, @family, @mail = first, family, mail
   end