## Write algorithm for Lab2 here.

## Remember to follow the rules of what makes a good algorithm from Notes #2.

Algorithm

1. Prompt user to input how many seconds between births: “How many seconds between births?”
2. Prompt user to input how many seconds between deaths: “How many seconds between death?”
3. Prompt user to input how many seconds between immigration: “How many seconds between immigration?”
4. Prompt user to input the current population: “What is the current population?”
5. Prompt user to input how many years in the future they want to predict: “How many years do you want to predict?”
6. Calculate the population change: add the inverse of seconds between birth to inverse of immigrants, subtract the inverse of seconds between deaths, multiply by the number of seconds in a year and by number of years they want to predict.
7. Calculate the future population: add the population change to the current population
8. Output the population change: “The predicted population change over \_\_\_\_ years is \_\_”
9. Output the predicted population: “The predicted population is \_\_”
10. If the population change is positive output: “The population will increase”
    1. Otherwise, output: “The population will decrease”