Assignment 5: Using IF statements

Part 1: Design a function to take a picture that is taken against a green screen, and put the non-green part over a background image.

Your function may be identical to that designed in class, or may be different (improved upon).

Name: greenScreenOverlay

Purpose: places figure(s) from a green-screen photograph into a background image.

Parameter(s):

Return value:

Assumptions:

Side effects:

Is your function different from the one designed in class? If so, in what way?
Part 2: Design a function that mimics PhotoBooth’s backdrop effect.

Name: **backdrop**

Purpose:

Parameter(s):

Return value:

Return value:

Assumptions:

Side effects:

In English, explain how to solve this problem
Extra Credit: Design a function that blends 2 images, making a transparent effect.

A pixel of a blended image gets 50% of its color from each of the corresponding pixels in the 2 images being blended. For example, let’s say p1 is a Pixel from Picture pict1, and p2 is the corresponding Pixel from Picture pict2. To find the Color of the corresponding Pixel in the blended image, you might use a block of code like this:

```python
newRed = (getRed(p1) / 2) + (getRed(p2) / 2)
newGreen = (getGreen(p1) / 2) + (getGreen(p2) / 2)
newBlue = (getBlue(p1) / 2) + (getBlue(p2) / 2)
color = makeColor(newRed, newGreen, newBlue)
```

Name: blendPictures

Purpose:

Parameter(s):

Return value:

Return value:

Assumptions:

Side effects:

In English, explain how to solve this problem