Homework 4 - FUNtions and Loops

This is a remix of circuit #3. You need to rewrite the loop function so it looks like this

```
void loop()
{
   blinkTen(300); // greenish blue
   delay(1000);
   blinkTen(512); // blue
   delay(1000);
   blinkTen(650); // violet
   delay(1000);
}
```

You need to write the function blinkTen which takes one integer argument: an RGB code. The function needs to contain a for loop that will blink the multicolor led at the color provided for 300 ms on, 300 ms off. Your function should use the existing function showRGB to turn the led on. Use the old skool method to turn the led off.

Hacker edition - Loop d' Loop
In addition to the above, I would like you to replace the loop function with one containing a for loop. This loop will repeatedly call blinkTen cycling through the colors 0 up to and including 700 in increments of 100 -- so 0, 100, 200, 300, 400, 500, 600, 700, 0, 100 etc. - You might want to change blinkTen to blink only 5 times to speed up testing

Due date and submission

This homework has a hard due date of Monday at 11:59pm.

Please submit your code to submit.o.bot at gmail.com (subject line 110hw4).
Your code must contain your real name along with your avatar name as comments at the start of the file.

If you have problems with the assignment, come to my office hours on Friday (10-12) or send email to arrange for another time to meet.