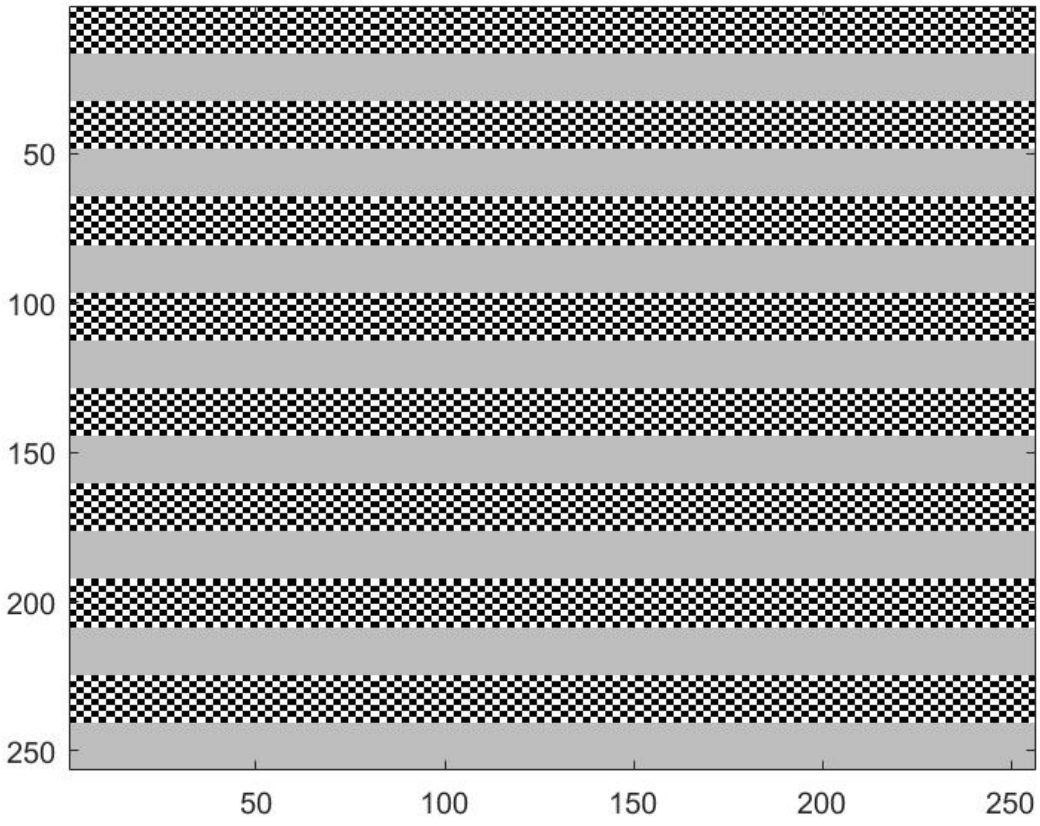
**Name: Muhammad Yasir Abbas**

**Roll No: L16-4154**

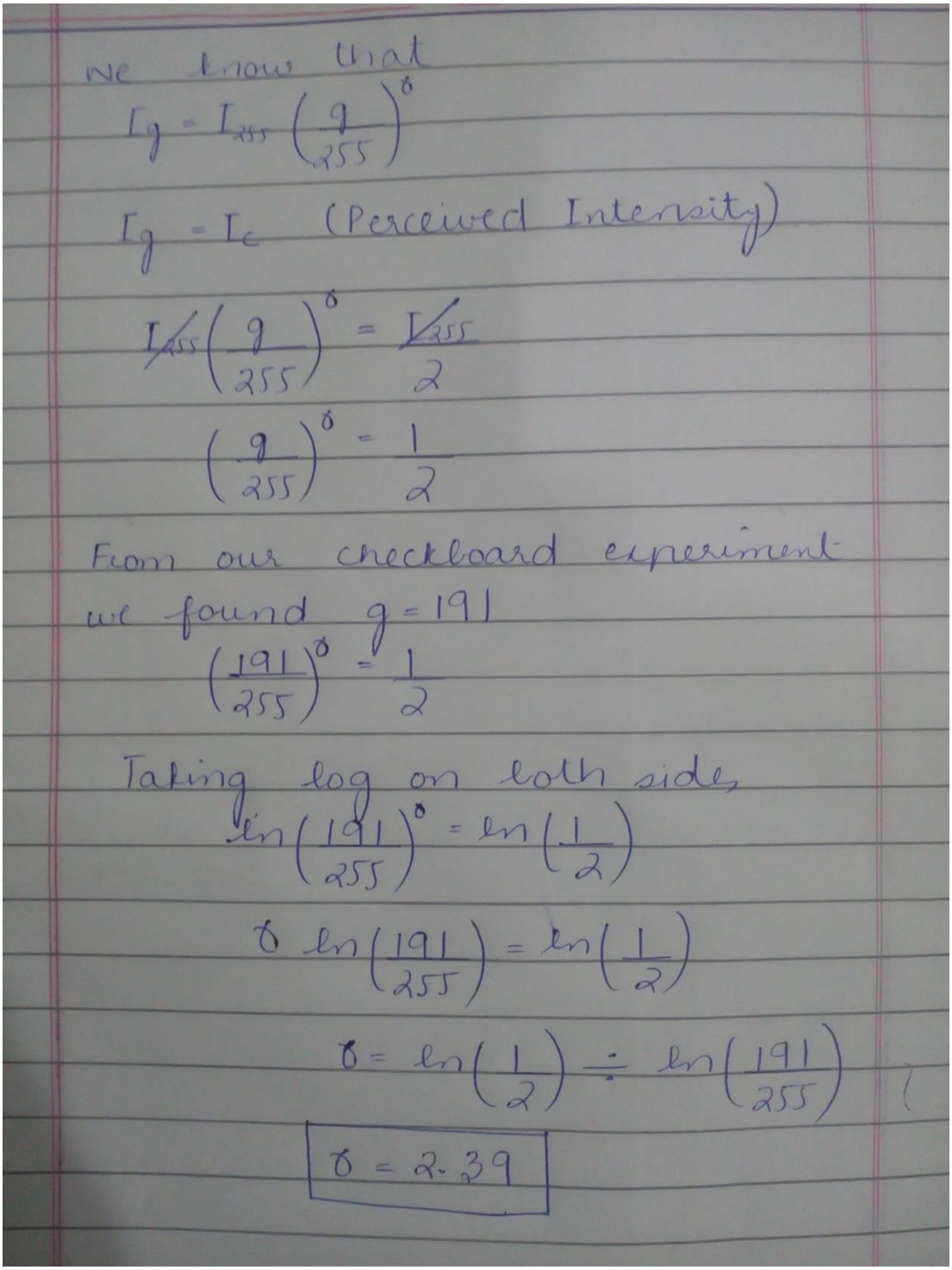
## Q#1:

The image of matching gray level is formed by concatenating the checkerboard pattern with a gray level.



## Q#2:

expression relating the matching gray level to the gamma of monitor is as follows:



## Q#3:

When gamma is calculated it comes out to be 2.39 which is approximately equal to 2.4. Gamma is corrected using equation

```
Corrected = 255 * (Image/255) ^ (1/2.4).
```