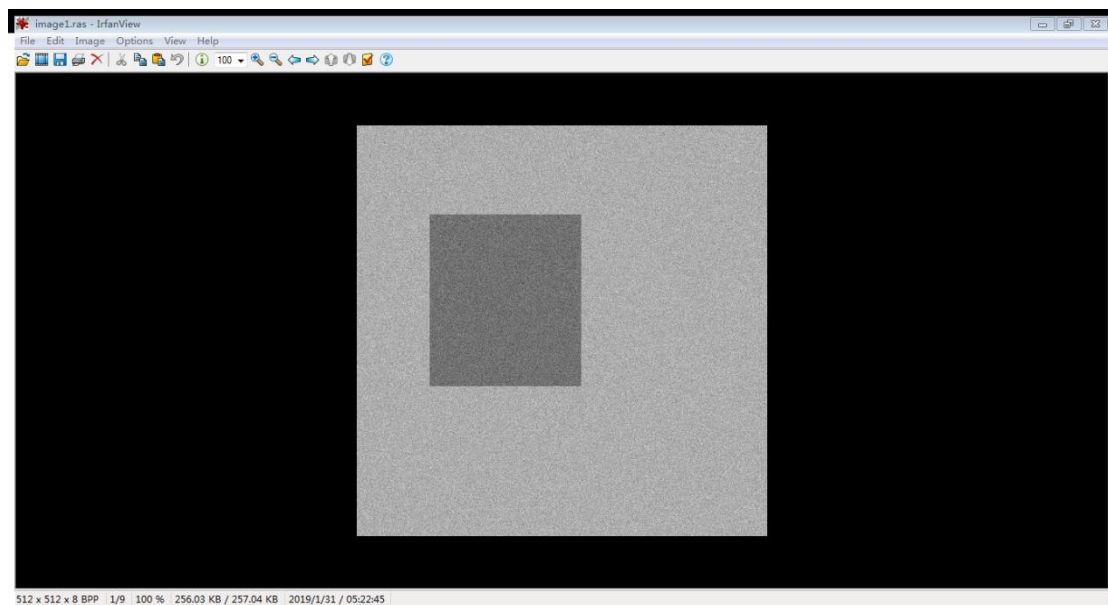
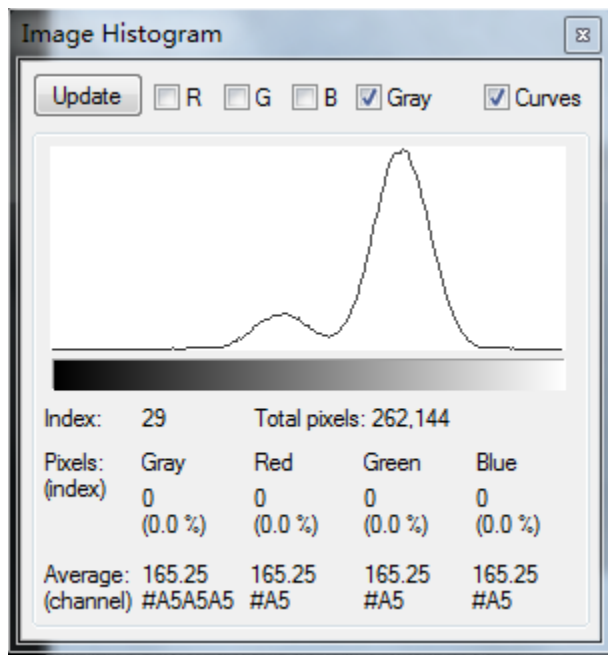


```
C:\Users\wang\Desktop\101\HW3_Zehua Wang\HW3.exe
Filename: Threshold Area X Y
image1.raw: 139 39605 218 186
image2.raw: 164 65843 243 173
image3.raw: 48 129498 238 292
Press any key to exit:
```

1. Grey level image:



histogram:



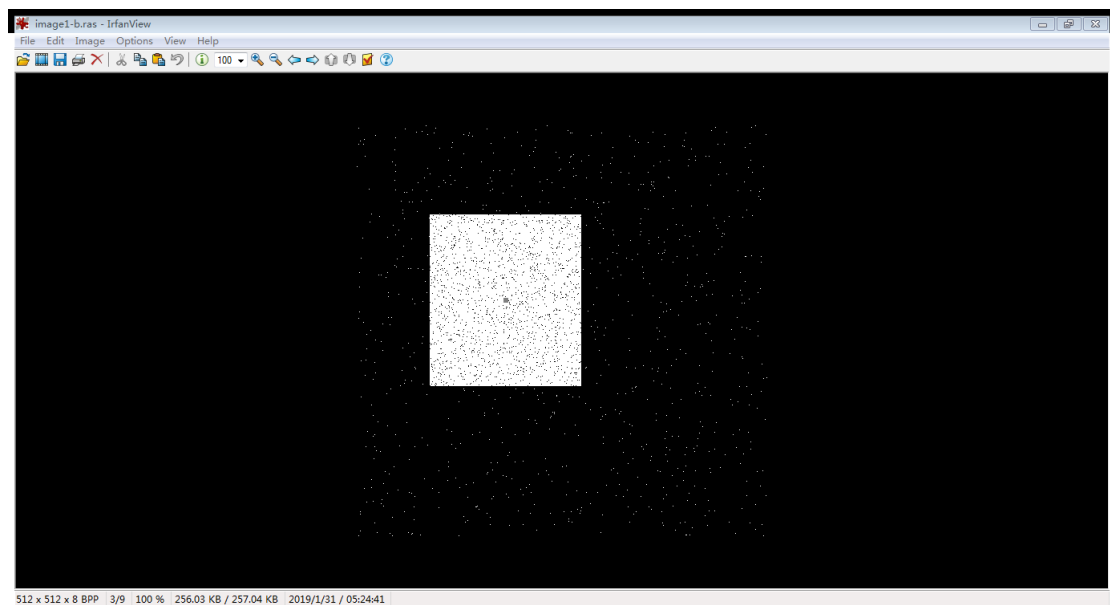
threshold: 139

A = 39605

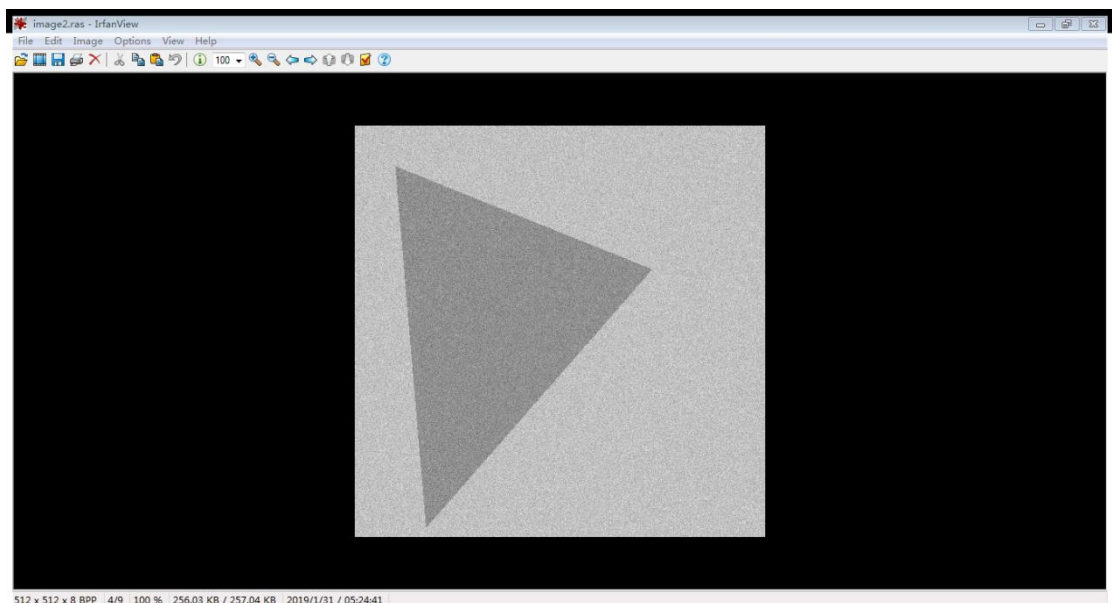
Xbar = 218

Ybar = 186

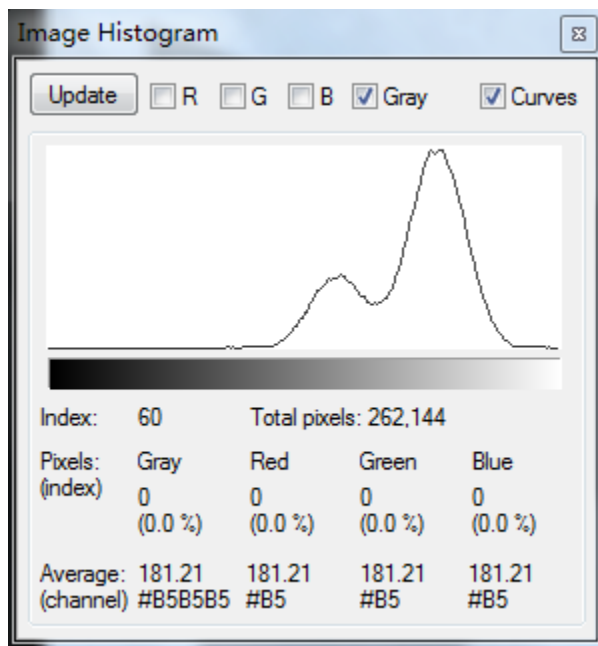
binary image:



2. Grey level image:



histogram:



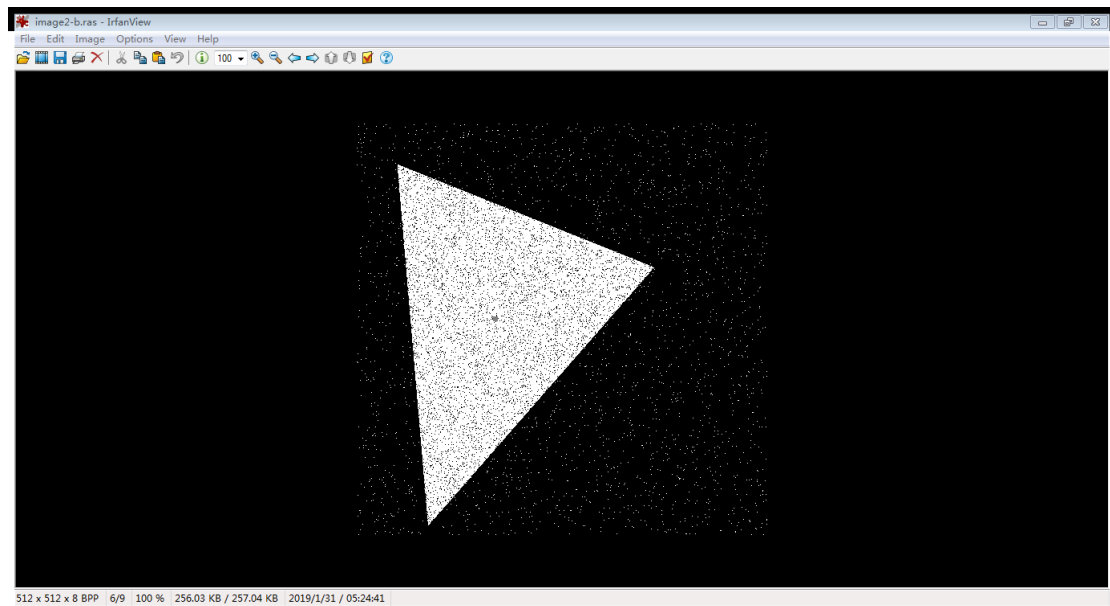
threshold: 164

A = 65843

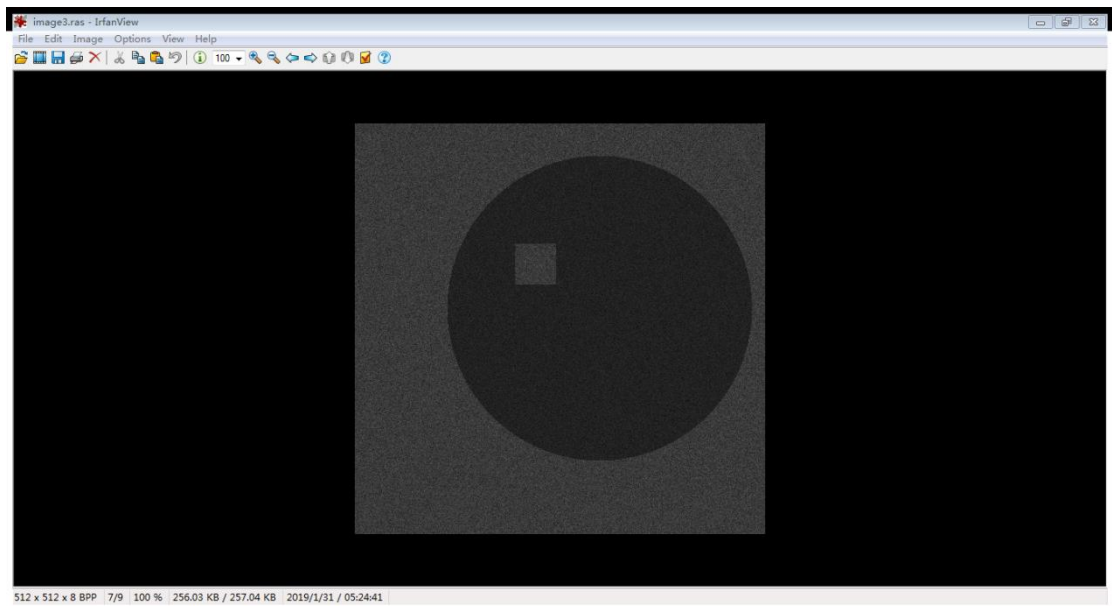
Xbar = 243

Ybar = 173

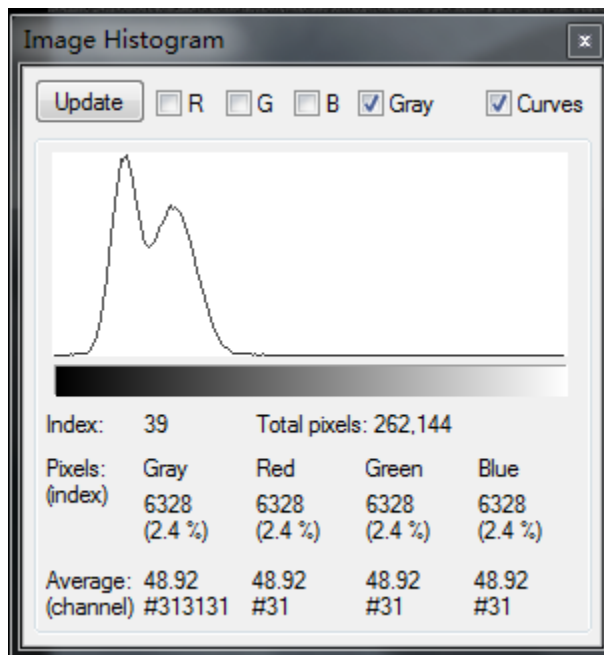
binary image:



3. Grey level image:



histogram:



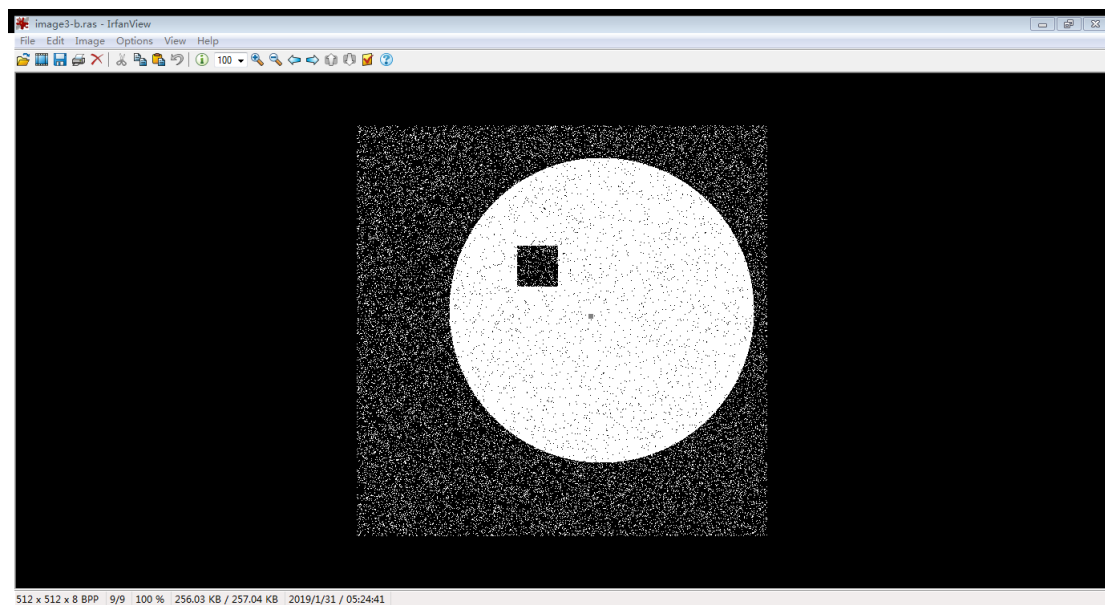
threshold: 48

$A = 129498$

$\bar{X} = 238$

$\bar{Y} = 292$

binary image:



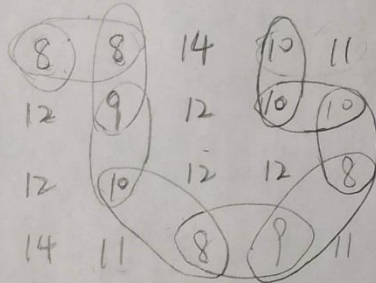
Written problem

HW3

001021120

Zehua Wang

written problem:



step	choose	μ	σ^2
1	8	8	0
2	8	8	0
3	9	8.33	0.22
4	10	8.75	0.68
5	8	8.6	0.64
6	9	8.66	0.55
7	8	8.57	0.53
8	10	8.75	0.68
9	10	8.88	0.76
10	10	9	0.8
11	11	9.18	1.077 > 1 \therefore desert