



IYNT 2015

Problem № 26
«Bitmap»



Team «MG 12»

Bitmap

Several bitmap files have the same size and contain look-alike images. There is however a particular variance between the images. Identify and parameterize this variance.

Hypothesis: if the placement of the pixels differs the different information is coded but it has the same size.

Purpose: to determine the similar and different areas and define the parameters of differences.

Aims

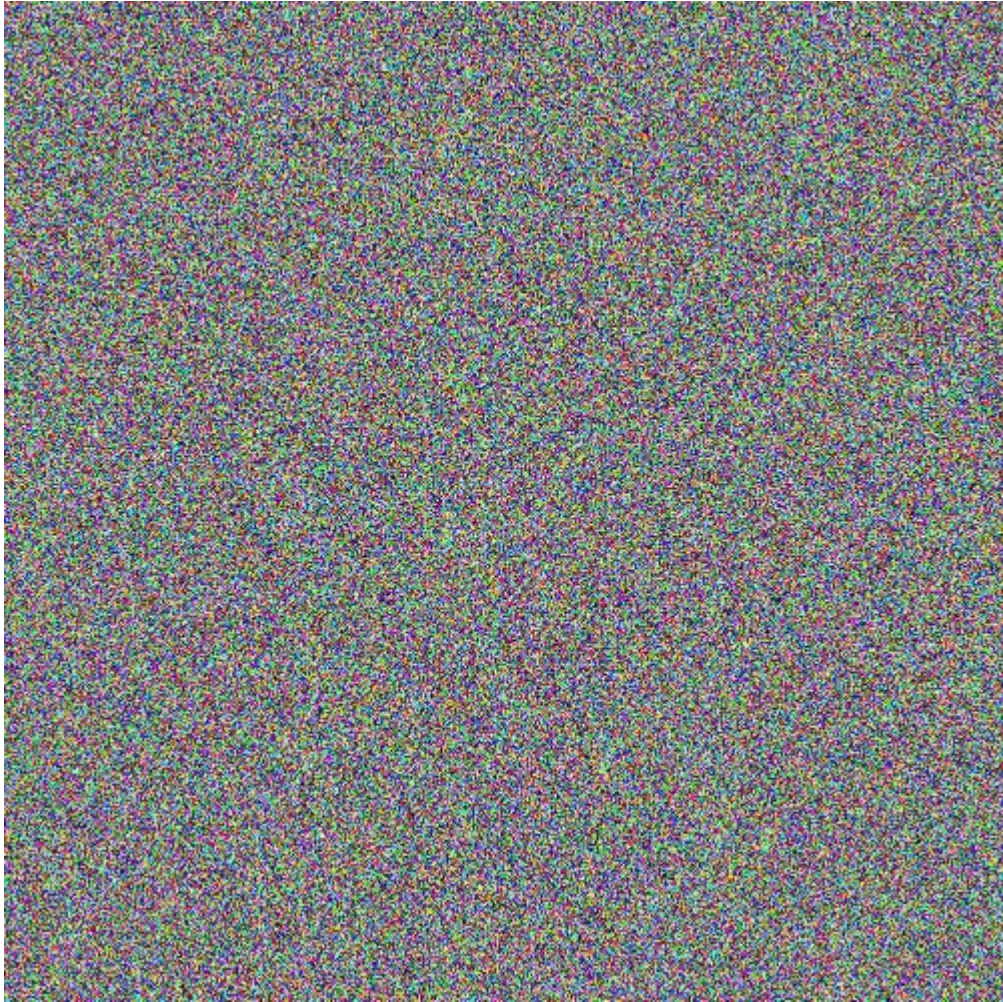
1. To study the pictures visually.
2. To determine differences between them.

Theoretical explanation

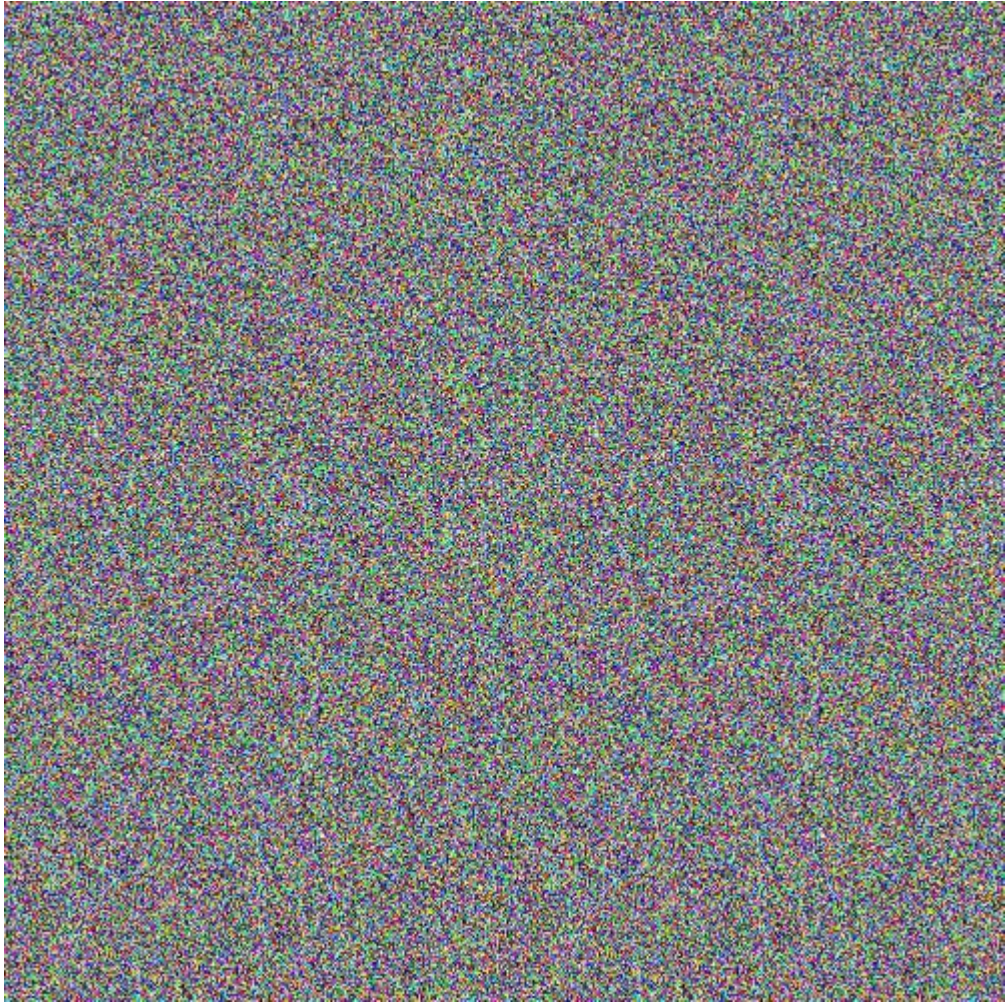
BMP is a size of keeping images. Each pixel contains different amount of information depending on the depth of the color.

The experimental part

1



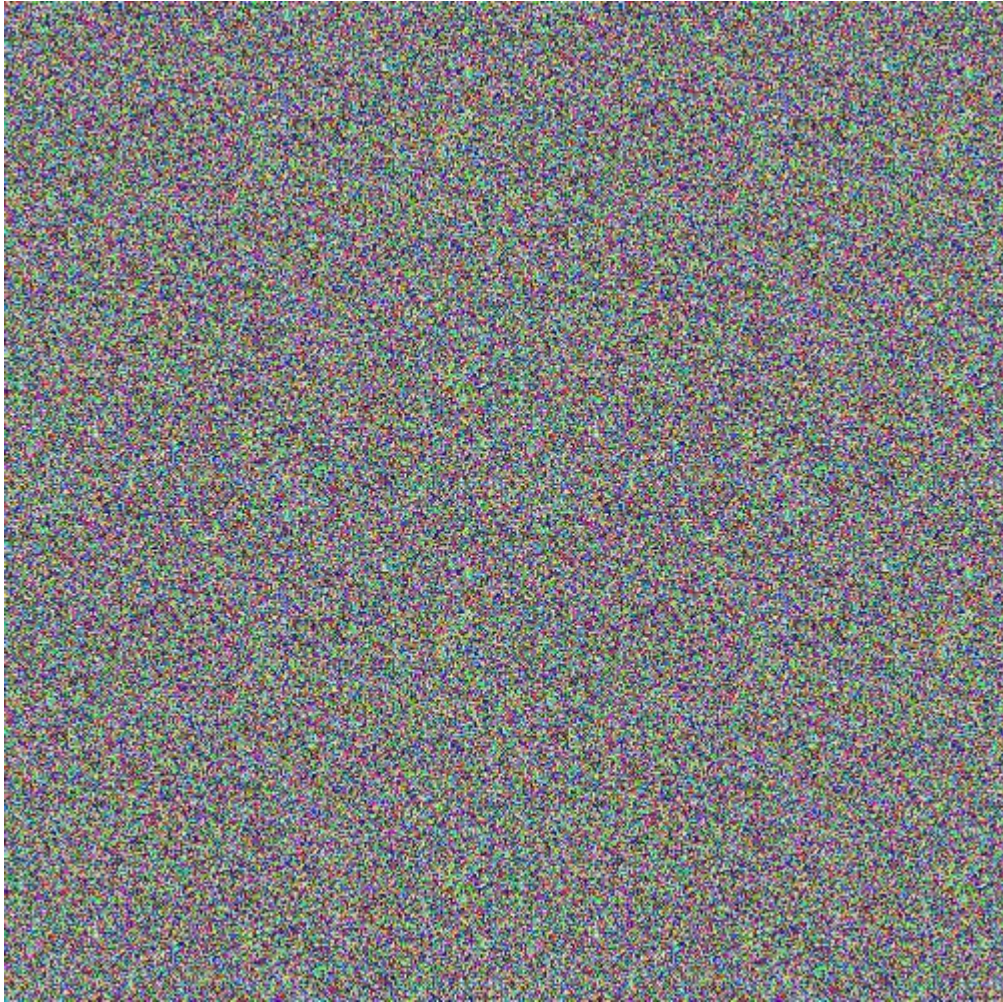
2



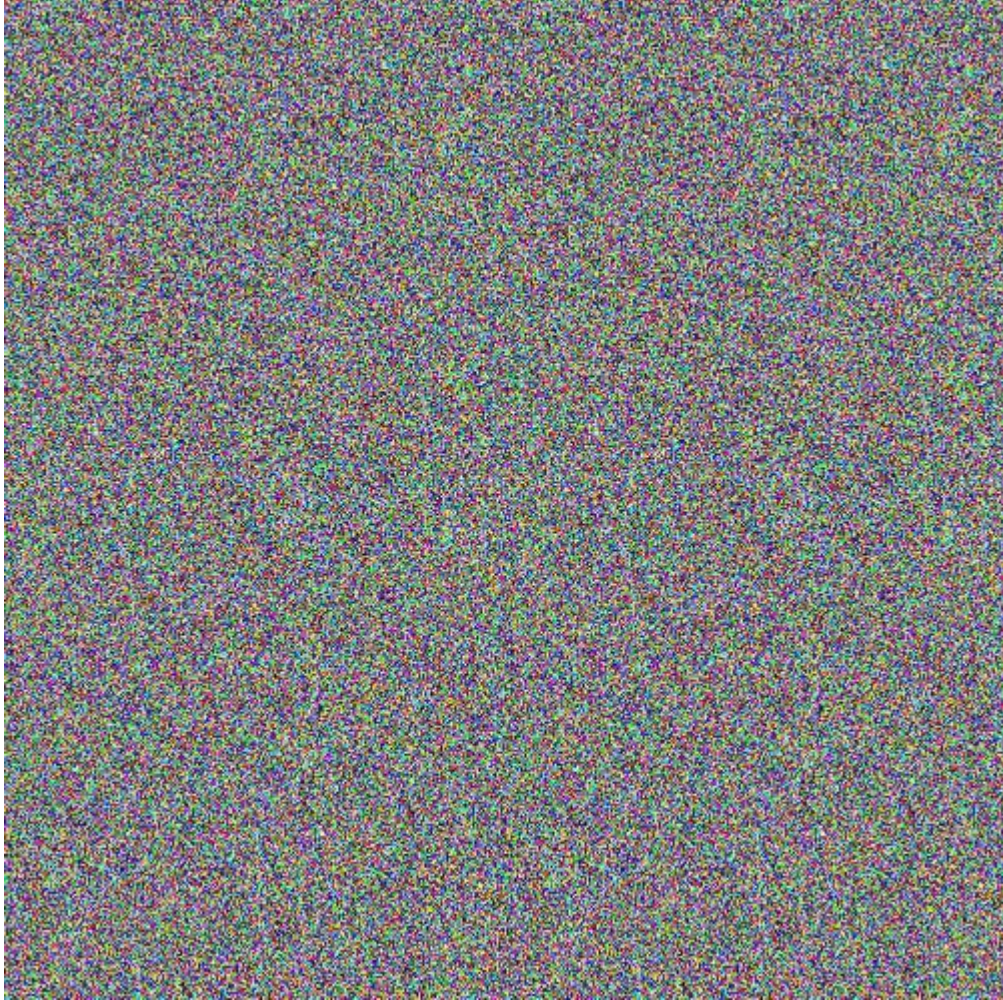
3

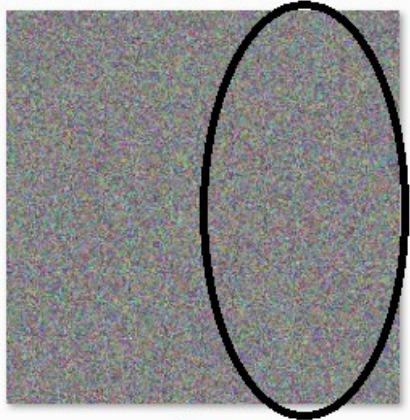


4

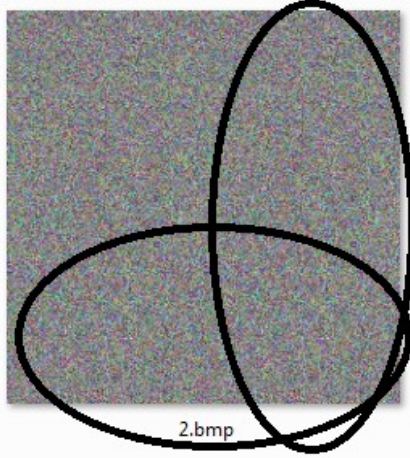


2

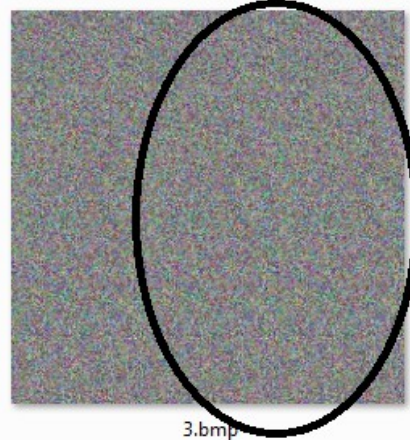




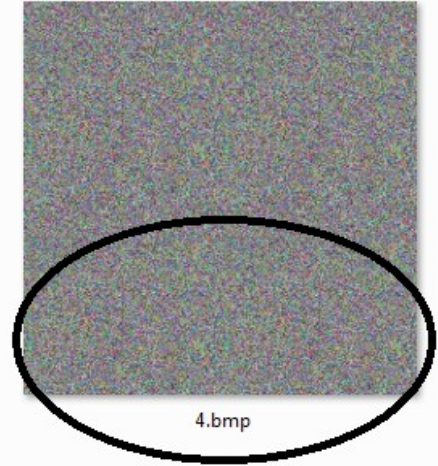
1.bmp



2.bmp



3.bmp



4.bmp

Conclusions

Because of the different placement of the pixels
in the pictures different information is coded
but of the same size