```
import numpy as np
         level[i] = level[i-1] + level[i]
in image = cv2.imread('dgu night.png', 0) # img2numpy
cv2.imshow('dgu night', in image)
out_image = histogram_equalization(in_image)
cv2.imshow('dgu_equalize', out_image)
cv2.imwrite('dgu equalize.png', out image) # save result img
cv2.waitKey()
```

