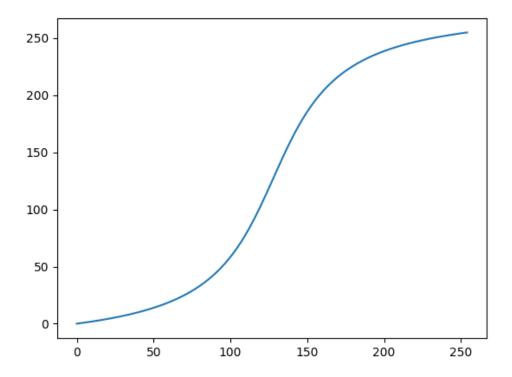
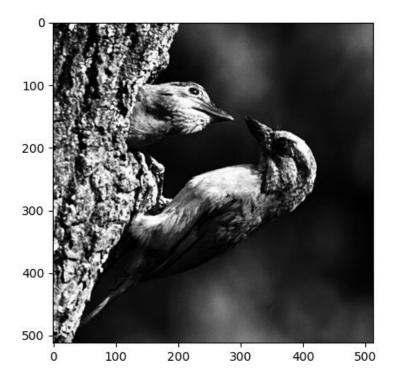
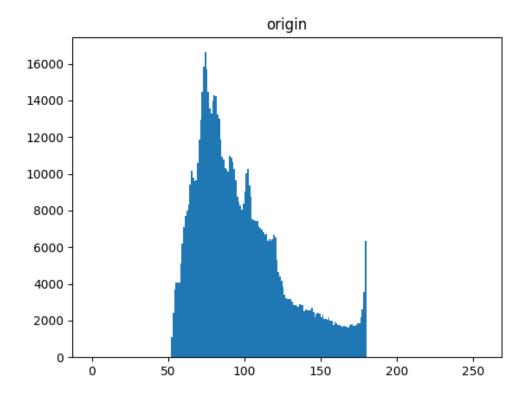
Graph of r=T(s)



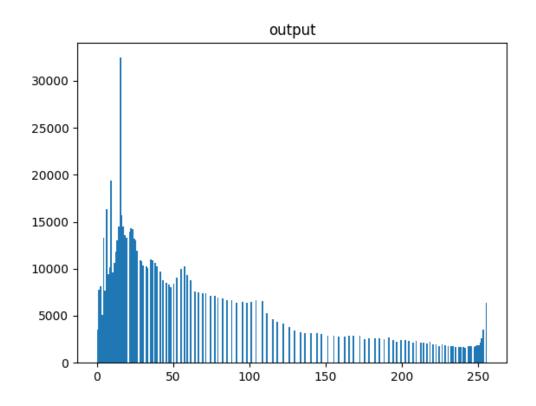
Transformed Pic



Histogram (Original)



Histogram (Transformed)



```
import numpy as np
import cv2
import matplotlib.pyplot as plt
import pandas as pd
plt.plot(r, s)
plt.show()
data = pd.DataFrame({"r" : r, "s" : s})
data.to_csv("result.csv", index=False)
img = cv2.imread('Bird feeding 3 low contrast.tif')
img tf = tf(img)
plt.imshow(img tf.astype(np.uint8))
plt.show()
img1d = img.ravel()
plt.hist(img1d, 256, [0, 256])
plt.title('origin')
plt.show()
img1d tf =img tf.ravel()
plt.hist(img1d tf, 256, [0, 256])
plt.title('output')
plt.show()
```