Figure of s= T(r)

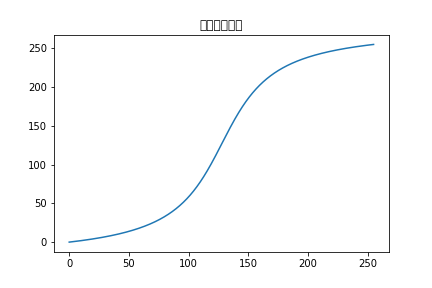


Table of transformation function to show the mapping from the input gray level rto the output gray level s

r= 0 s= 0

r= 1 s= 0

r= 2 s= 0

r= 3 s= 1

r= 4 s= 1

r= 5 s= 1

r= 6 s= 1

r= 7 s= 1

r= 8 s= 2

r= 9 s= 2

r= 10 s= 2

r= 11 s= 2

r= 12 s= 2

r= 13 s= 3

r= 14 s= 3

r= 15 s= 3

r= 16 s= 3

r= 17 s= 3

r= 18 s= 4

r= 19 s= 4

r= 20 s= 4

r= 21 s= 4

r= 22 s= 5

r= 23 s= 5

r= 24 s= 5

r= 25 s= 5

r= 26 s= 6

r= 27 s= 6

r= 28 s= 6

r= 29 s= 7

r= 30 s= 7

r= 31 s= 7

r= 32 s= 7

r= 33 s= 8

r= 34 s= 8

r= 35 s= 8

r= 36 s= 9

r= 37 s= 9

r= 38 s= 9

r= 39 s= 10

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r= 42 s= 11

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r= 44 s= 11

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r= 177 s= 223

r= 178 s= 224

r= 179 s= 225

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r= 231 s= 250

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r= 238 s= 252

r= 239 s= 252

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r= 241 s= 252

r= 242 s= 252

r= 243 s= 253

r= 244 s= 253

r= 245 s= 253

r= 246 s= 253

r= 247 s= 253

r= 248 s= 254

r= 249 s= 254

r= 250 s= 254

r= 251 s= 254

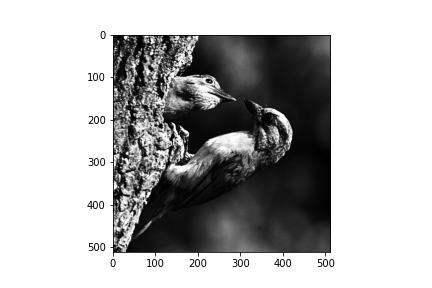
r= 252 s= 254

r= 253 s= 255

r= 254 s= 255

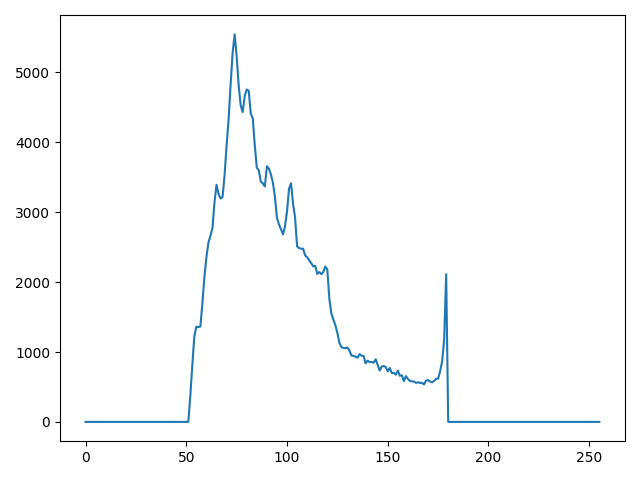
r= 255 s= 255

Figure of the output image after applying the intensity transformation function



Figures of the original and output histograms

Output



Origin

