**Universidade Federal do Tocantins** 

Disciplina: Processamento de Imagens

Professora: Glenda Botelho

Alunos: Daniel Nolêto Maciel Luz e João Victor Walcacer Giani



## Atividade Equalização Histograma

Imagem Original

2	2	1	1
2	2	1	1
2	1	4	3
4	4	2	0

Rk	Nk	Pr(rk)
0	1	1/16 = 0.0625
1	5	5/16 = 0.3125
2	6	6/16 = 0.375
3	1	1/16 = 0.0625
4	3	3/16 = 0.1875
5	0	0
6	0	0
7	0	0
Total:	16	1

Rk	Nk	Pr(rk)	Freq.	Eq.	Rk
0	1	0.0625	0.0625	0.4375	0
1	5	0.3125	0.375	2.625	3
2	6	0.375	0.75	5.25	5
3	1	0.0625	0,8125	5.6875	6
4	3	0.1875	1.00	7.00	7
5	0	0	1.00	7.00	7
6	0	0	1.00	7.00	7
7	0	0	1.00	7.00	7
Total:	16	1	-	-	-

2	2	1	1
2	2	1	1
2	1	4	3
4	4	2	0

Imagem de Entrada

rk	rk
0	0
1	3
2	5
3	6
4	7
5	7
6	7
7	7

5	5	3	3
5	5	3	3
5	3	7	6
7	7	5	0

Imagem de Saida

Pr(RK)= mK = MK	k ,
SK = T(1/1 K) = K mj =	Z Pr (xi)
$P_{x}(\pi_{k}) = \frac{m_{k}}{\text{total de PixeLS}} = \frac{m_{k}}{J_{6}}$ $S_{k} = T(\pi_{k}) = \sum_{j=0}^{k} m_{j} = \sum_{j=0}^{k} K_{j}$ $S_{k} = T(\pi_{k}) = (L-J) \sum_{j=0}^{k} K_{j}$	77 (x;)
x - \(2x)=(L-J) \(\sigma_{\infty}	)=01/201