



	PAGE NO.:
6	DATE: / /
	1 - MANABEREDO
Shin	g code a AAAABCCCDD
-	character probability Ronge
	Charactes promotions
	A 4/10 0.00-0.40
	B 1/10 0.40-0.50
20-	3/10 0.56 - 0.80
	D 2/10 0.80 - 1.00
	win and agreement that
	Ago:
	Set 1000 to 0.01
	Set high to 1.0
	while these are still in put symbols
	do get an input symbol
	code range = high low.
	nign = 10 w + range * nign range of symbol
	1000 = 1000 + range * 1000 - range of Symbol
	and.
	C. C.

	0	100 value	High valle
ew .	character	0.0	1.0
	A	0.00	0.40
	2	0.00	0.16
	4	0.00	0.064
	A	0.00	0.0256
	B	0.01024	0.0128
	C	0.01152	0.012288
	C	0.011904	0.0121 341
	C	0.0120192	0.0120883
	D	0.01274496	0.01208832
	Ď	0.0120855553	0.0120850
		gemerated 1	nique dag is

Scanned with CamScanner

Description of 8-bit image (given) brown level Count Probability 12 1 2 3/8 95 9 1/8 10 10 3 3/8 10 3 3/8 10 3 3 12 3/8 10 3 3/8				PAGE NO.: DATE: / /
(1) Soln Stalement (1) and (2) ax halp A (1) true (11) true (12) false D (2) 21 21 21 95 169 243 243 243 21 21 21 21 95 169 243 243 243 21 21 21 21 95 169 243 243 243 The Entropy of 8-bit image (given) (2) The open of the count o	03	000-	al alas	SHAMES A
A 2 (1) true (11) true (11) true (11) true (11) true (11) true (12) Jalse 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 The Entropy of 8-bit image (given) The Entropy of 8-bit image (given) The 12 3/8 95 4 1/8 169 4 1/8	(D) Both	Stat	ement (1) and (2) ax
(1) true (11) true (12) true (12) true (13) true (14) true (15) true (17) tr	bace		sulse co	- Lancas and I
(1) true (11) true (12) true (12) true (12) true (13) true (14) true (15) true (17) false (18) true (18) t	01		0.0	
(1) true (11) true (12) true (12) true (12) true (13) true (14) true (15) true (17) false (18) true (18) t	^			
(i) true (ii) true ((v) false 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 The entropy of 8-bit image (given) 6. The entropy of 8-bit image (given)	9 2 112	111		
(14) true (17) false 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 The entropy of 8-bit image (given) 6 broay level Count Probability 21 12 3/8 95 9 1/8				
((v) false 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 The entropy of 8-bit image (given) 6 broay level Count Probability 21 12 3/8 95 9 1/8 169 4 1/8				
D(D) 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 22 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 The entropy of 8-bit image (given) 6. Troay level Count Probability 21 12 3/8 95 9 1/8 169 4 1/8				
De 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 21 21 21 95 169 243 243 21 21 21 95 169 243 243 21 21 21 21 95 169 243 243 21 21 21 21 95 169 243 243 The entropy of 8-bit image (given) broay level Count Probability 21 12 3/8 95 9 1/8	0.012.088	Just	6.01150	INGIL
# (4) 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 95 169 243 243 243 21 21 21 21 95 169 243 243 243 The entropy of 8-bit image (given) 60 60 60 60 60 12 3/8 95 9 1/8 169 4 1/8	MNS ISTO O		100110-0	100
2 2 2 9 169 243 243 243 243 243 213 21 2 2 2 9 169 243 243 243 243 243 243 243 243 243 243	Am	012	10010.0	
2 2 2 9 169 243 243 243 243 213 21 2 2 2 9 169 243 243 243 243 243 243 243 243 243 243		2/21	95 169	243 243 243
The entropy of 8-bit image (given) The entropy of 8-bit image (given) The entropy of 8-bit image (given) To any level Count Probability 21 12 3/8 95 4 1/8 169 4 1/8	2 /	1	10/	141 141 141
The entropy of 8-bit image (given) broay level Count Probability 21 12 3/8 95 4 1/8 169 4 1/8	21	2/2/	95 169	243 243 243
The entropy of 8-bit image (given) broay level Count Probability 21 12 3/8 95 9 1/8 169 4 1/8	5 F14 (8) P (8)	2121	13 169	213 243 213
The entropy of 8-bit image (given) broay level Count Probability 21 12 3/8 95 4 1/8 169 4 1/8				
21 12 3/8 95 4 1/8 169 4 1/8	The en	tro py	of 8-bu	inage (given)
95 9 1/8	br say	level	Count	Probability
95 9 1/8			12	3/8
176			9	1/8
243 12 3/8			4	
	243		12	3/8

PAGE NO.: DATE: / / - E P(a;) log (P(a;) = - [3/8 log (3/8) + (1/8) log (1/8) + (1/8) lug (1/8) + (3/8) lug (3/8)] = 1.81 birs/pixel