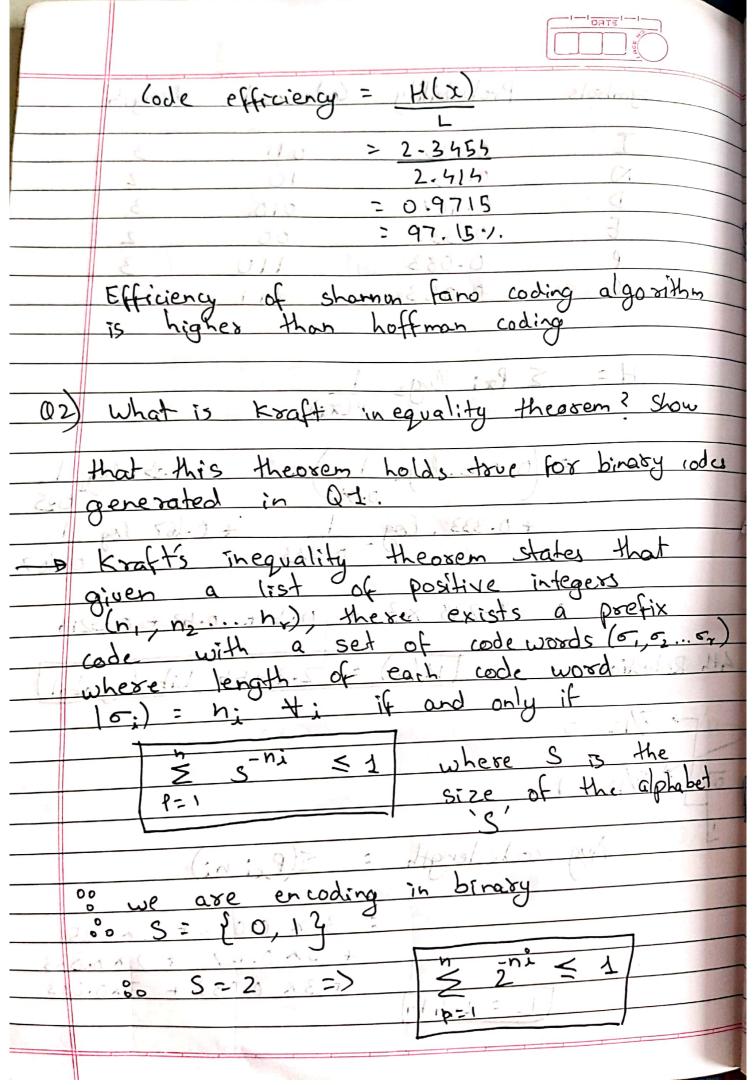
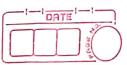
	done are und
	S. C.
	Se desiratet 92
	$H = 0.298 \times 3 + 0.5 + 0.43 + 0.52$
	Liven the rosessale Tadapantament
	[H(X)=1/2-3454, bits (Symbol)
4.	THE CALL STATE OF THE STATE OF
21	Average Codelength = ER(Pri)(ni)
2 1	Average Coactength 2 rough
	$= 3 \times 0.083 + 2 \times 0.25 + 2 \times 0.167$
المرواح	
	COLOR TO
	:. L = 2.407 0 666.0 = 515
	3/12 2 ()
	(ode efficiency = H(x)
	0 1 612:511
0	1 1 = 263454 211
,	2-407= 51/
	= 0.9744
	Atoms brownshot =,97,444.7.9 stodays
	<u>Huffman</u> <u>Loding</u> <u>Edo. 0</u>
	25-0
	Symbols Probability 1st Reduction 2nd Reduction 3nd Reduction
	2 00 2 33
	E 4/12 → 4/12 → 4/12 → 5/12
	$N \qquad \frac{3}{12} \longrightarrow \frac{3}{12} \longrightarrow \frac{5}{12} = \frac{5}{12}$
	N -7/2 -3/12 11/2
	$D = \frac{2}{12} \Rightarrow \frac{2}{12} \Rightarrow \frac{3}{12} \Rightarrow \frac{3}{$
1	120 120 112
25-0	T 1/12 2/12 1
	001 185 -1 + 1-231 100
888.0	P 1/12-07 1/12-
1	De 17.0 + 1 De 1
¿¿:	c 1/12 1

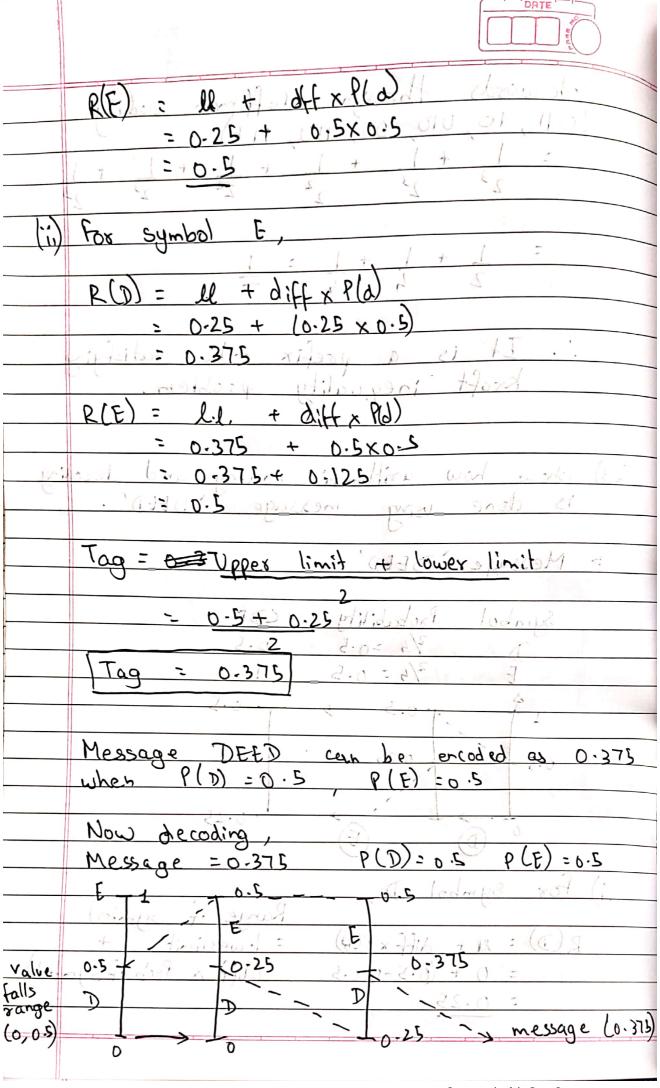
 DA	TE I-I-
	4000

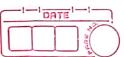
			4
Symbols	Probability	Codeword	length
T	0-083	~ D I	3
N	0.25	10	2
D	04/67	010	3
E	0.333	00	2
P	0-083	110	3
To price price	600 0-083 M	invade for p	0001173
DA.	thes many	her than h	المتر
The state of the s	E Pai log		
18 5 mag 0 3/	equality H	P(xx) 9	todu (SD)
	- to the		
ונבנ הורמצא	/ -	1 my x 3 +i	0.25. log 1
	,	0.083	02025
-	+ 0.333 . log	+ 0.	167 log 1
tart 19+Dt	the oxem . S	0,333	Hyprox 0.2167
to togest	<u> </u>	of test o	(VSC)
XHORG A	0-298 x3	+ 0.5+.0.4	3+0.5214
(0.0) Spar	1 3600	192 0 4/2	
Reduction of	5600 (N(x)	= 2.3454 6	its symbol
71.	100 620 4	jt jN :	(;73)
7/12 0		2 10-, 5	.~
5/12/4 1.7	3798(1)	= 25	g
13/12/4 170	1018		
λ .	1. 1	<(0)	
AV9 CC	ode length =	Z(Pzi ni)	
	D G	D(W NN &) #	961 o
100	=	3 × 0.083 +	
1 1 2 3	n- 17		2 × 0.833 -
1.	- 2 / 161	+3x 0.083 +	- 3,80.063 -
	= 2-414		
	_		





	code words through the ff man coding
	(011, 10, D10, 00, 110, 111)
	[011, 10, 00) 110, 110, 111, 111, 111, 11
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	J lodays xot (i)
	= + + =
	2 4 1 (1) 95 17:6 7 12 = (1) 8
	It is a prefix colde satisfying kraft inequality problem.
	kraft inequality problem.
	(6) = 1.1. = (7)
03	Show how anotheretic coding and accounty
	Show how anithmetic coding and decoding 15 done using message in DEED'.
	Meissagersa DEED' timil raggette = 201
	Meissage vou DEED MAN
	Sumbol Probability CDF-
	7 2/4 = 6.5 6.5
	E 2/4 = 0.5 (2)16.0
	1 7 0.5 > 7 0.5
	1 100 holison not app (440 appeared)
315	0.5 2.0: (4) 8 2.0: (a) 9 Mode
	0.25
	0 D E 0000 950 C0001
1.	The surfact of the state of the
	Range of symbol
	R(D) = R + diff x P(B) = lowerlimit +
	= 0 + (0.5-0) 0.5 (diff x Prob of symbol)
ire I	= 0-25
11.00	PPRIM 4 SSOUTH OF A COUNTY





	ľ		No. of Street, or
		R(D) = 0 + 0.5 * 0.5	
			S. S.
		$R(E) = 0.25 + 0.5 \times 0.5$	1
_		2.0 =	1
_	-		1
_	-	1	1
	-	$P(D) = 0.25 + 0.25 \times 0.5$	1
	-	= 0.375	1
	+	$R(E) = 0.375 + (0.25 \times 1)$	1
	+	= 0.5 = 0.5	1
_	-	- 0 3	1
		Tribally rate falls is some (0 0.5) -> D	1
		Initially value falls in range $(0, 0.5) \rightarrow D$ Then falls in range $(0.25, 0.5) \rightarrow E$ then falls in range $(0.375), 0.5 \rightarrow E$ value at $D \rightarrow 0.375 \rightarrow D$	1
		then falls in range $(0.3753, 0.5) \rightarrow E$	
		$\text{value at } D \rightarrow 0.375 \longrightarrow D$	
			_\
		=) Message is DEED	_
i.			_
		•	
			_
			_