110111 CAT-II LAO 001 001 Dem (22) mælfid Booth's algorithm: Table 0-1 operation 0 \mathcal{D} 0 OXM HXM 0 0 +11M 0 + 724 0 - 2XM 0 -IXM 0 -IXM 0 OXM 110011

31

in the

MON MUNON

CAT-IL

CAO

Booth (Modified)

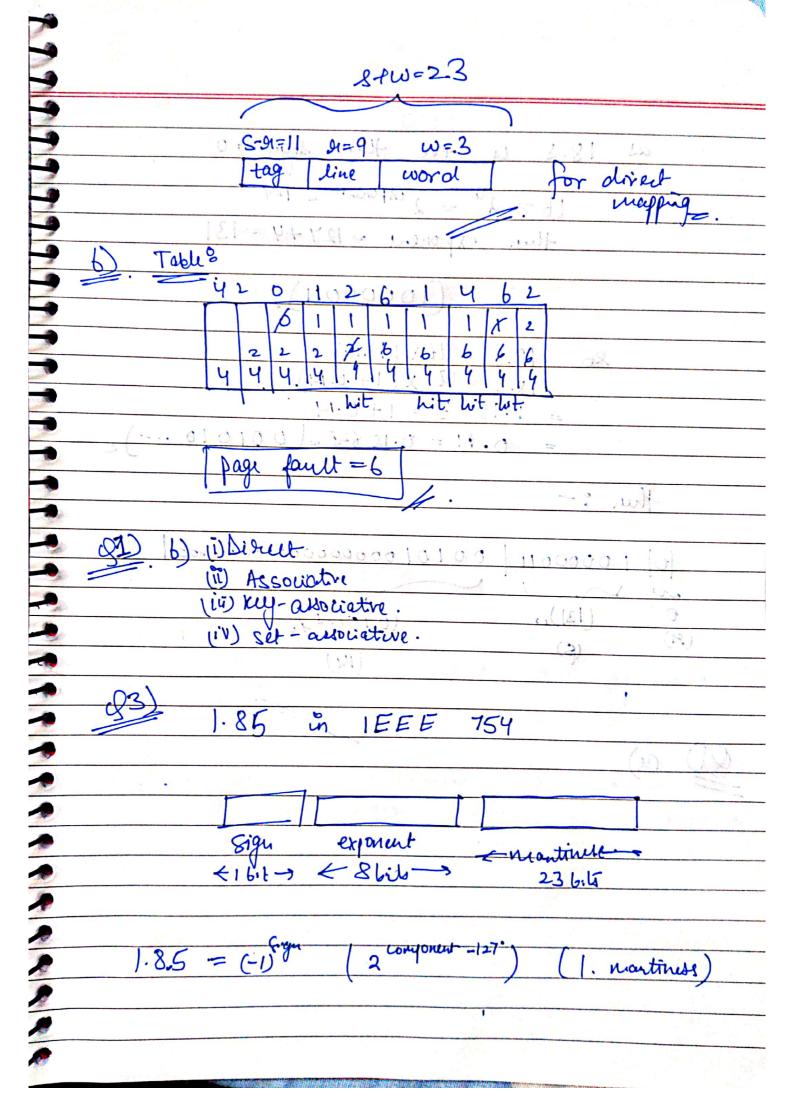
2,00	M=12000000000000000000000000000000000000				
*	Q=7 => 000111 -> +2M = 011000				
1109	a with men	LNo old	[a] . aJ	1	
complet	a Mu A	2/6	2-1	SC	
	V-3				
initial	000000	000111	0	3	
b. wild	= 5110100				
Subtract M	110100	111000	D	1	
Ashr	111010:	110000	1 1	2	
Ashr	111101	100000	81 J. =	· · C. 4=	
	011000		Carrier	10	
Ashr Add +2M Ashr Ashr Add +0M	010101	100000			
a bilalus	5.37 -	; = W.	in a de	La coe Ki	
Ashr	001010	100000	JA .		
ALLY	000101	0 0000	0		
		AND THE PERSON NAMED IN COLUMN TWO	1		
Add +OM					
2	W THE LAST	which is	- Who		
Ashr	000010	101000	0	0	
Ashr	000001	010100	= 30	Marie 1	
*		. (1)	40 76		
Ay 7.16 0					
1	Answer => 1010100=				
1	, L				
A Love de de	decinal =>	64x1+1x	16+1×4		

Man menory = 8MB = 8x220 = 223 ca the numbry = 16KB = 16xpt = 214 Byte per block = 8 bytes = 23 no. of blocks = cache menory

Bytes per block blocks 111000 77777777777 Stw = 23 Y 1 2 19 2 = 201010 91=9 · Muller A will look live! ciolobress 0

MELL OFF

Viller Kinnah Singl



8-10 - 2-5 then exponent = 127+4=131 (10000011)2 = 0. M = 0.15625 = 001010 10000011 0 (13),

Q1) a) data word: 010100111011
$(1=1, C_2=1, C_4=1, C_8=0)$
Data bita = 01010110
Calculating cluck bits ?
$C_{3} = D_{1} \oplus D_{2} \oplus D_{4} \oplus D_{5} \oplus D_{7}$ $C_{2} = D_{1} \oplus D_{3} \oplus D_{4} \oplus D_{5} \oplus D_{7}$ $C_{3} = D_{2} \oplus D_{3} \oplus D_{4} \oplus D_{5}$ $C_{3} = D_{5} \oplus D_{6} \oplus D_{7} \oplus D_{5}$
Cy = D2 10 D3 10 Dy 10 D8
$C_{\otimes} = D_{\mathcal{L}} \oplus D_{\mathcal{L}} \oplus D_{\mathcal{L}} \oplus D_{\mathcal{L}} \oplus D_{\mathcal{L}}$
$Q = 0 \oplus 1 \oplus 0 \oplus 1 \oplus 1 = 1$
$C_2 = 0 \oplus 1 \cdot \oplus 0 \oplus 0 \oplus 1 = 0$
$C_{y} = 1 \oplus 1 \oplus 0 \oplus 0 = 0$ $C_{y} = 1 \oplus 0 \oplus 1 \oplus 0 = 0.$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
taking (XOR) of old & new Week Lits ?
1=000 11 10 = (0.12)
$1000 \oplus 1110 = (0110)_2 = (6)_{10}$
too we have evoir in 6th postron which has Dz
a pustion would as of
$1000 \oplus 1110 = (0110)_2 = (6)_{10}$ $1000 \oplus 1110 = (6)_{10}$

