haffan Hawardi

230615	2393
	230615

C

	Desimal	8, 4, -2, -1	Excess- 3	2,4,2,1	Excess - 6
2	<b>7-3</b>	0110 0101	olo l ollo	coto coll	1000 1001
Ь	83	1000 0101	1011 0110	1110 0011	1110 1001
С	360	cicl lolo boed	0110 1001 0011	0011 1100 0000	1001 1100 0110
d	2045	0110 0000 0100	0101 0011 0111	0010 0000	1000 010 1010
e	5120	1011 0111 0110	1000 C100 OIC1	1011 0001 0016	0110

a. Diketami: Desimai =	2-3	J. 1641.			1
* To 84,-2,-1	* Excess - 3	* 2,4,2,1 * * * * * * * * * * * * * * * * * * *	* Excess	- <b>C</b>	1
, , , , ,	2 3 m	3 3	Ž.	3	
0110 0101	0101 0110	0010 0011	1000	(001	

b. Dikerami :	8, 4, -2, -1 =	1000	0101

to desimal	* Exces	n - 3	* 2, 4,	2.1	• Excen	- 6
1000 0101	<u>8</u>	3 200	8 -	3	8 -	3
1 1 17 1 1 1 1 1 1		1	1	1	†	1
8	1011	0110	1110	ooll	1110	1001

## C. Diketamur Excess - 7 = Ollo 1001 0011

* To deam	<u>,</u> (		* 8,4, -2,-1 + 2,4,2,1				
Ollo	lωι	0011	3	6	0	3 6 0	֥
3	6	ţ	0101	1010	0000	0011 1100 0000	

## \* Exces - 6

3	6	0
1	1	

## d. Diretany, 2,4,2,1 = 0010 acc 0100 1011

* 6	decim	181		* 5	. 4.	-2, -1		* Erc	ess - 3	3		
0010	cocc	0100	loll	3	Q	4	ş	ą	0	4	5	
3	0	4	<u> </u>	0110	0000	0100	1011	0101	COLL	Oll	lace	

1618 : C 0110 0111 1000 C. Diketahui: Excess-6 = 160 \$ to 8,4,-2,-1 \* To decimal 0110 1011 0111 1000 OIII 0110 0000 1011 2, 4, 2, 1 \* to # Excess - 3 2 5 0 0000 0010 0011 1011 0101 0001 0.010 1000 19 pifs sala CULLEP 2. 8. -23. 2393 Fractions 2 \ 23 b, 0 432 x 2 = 0,0864 6 0,2393 2 = 0.4186 ١ 0,0864 x 2 = 0,1728 0,4786 = 0.9572 5 ١ 2 => 10111 0,1728 ×2 = 0,3456 \* 2, 1,9144 0,9572 0 0,3456 2 = 0,6912 = 1,8288 0.9144 x 2 0 2 0,6912 2 = 1,3824 1 0,8288 > 1,6576 0,8824 2 = 0,7648 0 0, 6576 % 2 - (,3152 0,7648 \* 2 = 1,3296 G,3152 =2 = 1 0,6304 0,5296 \$2,= 1.0592 1,2608 0,6304 62 0,0592 × 2 = 0,1184 0 = 6,5216 0,2608 ×2 0,5216 (.0432 (0111,0011110101 0000 1016=> 1.01110011110101000010116 x 24 band => 1.011100 1111 0101 0000 10(10 x 2 131 biased Fractions Sign e-knenes 1016 1110 0001 0110 1001 Oll 10000011 6, A 9 E В C 0 x C1 B 9 EA 16

Arzaka Raffan

UPM : 230615 2393

: Bms

Mawardi

Mawardo **Rattau** Mama: Arzana Raffe MPM: 2306152393

Kelas: C

-		· · · · · · · · · · · · · · · · · · ·	and the second and the contract of the contrac				
Ь.	2023. 8	1024 (comp (3 bits saja					
2	2025	0,2024 + 2 : 0,4048	0				
2	2 1011 1 0.4048 x 2 = 0.8096 0						
2	\$05	1 0,80% + 2, 1,6192	1				
2	252	1 0,6192 x 2 = 1,2384	1				
2	126	O 0,2384 x 2 7 0,4768	0				
2	63	O C.4768 x 2 = 0.9536	0				
2	31	1 0,9536 x 2 : 1,9072	(				
2	15	1 0,9072 x 2 = 1,8144	t				
2	7	1 018144 + 2 = 116288	1				
2	3	G16288 x 2 = 1,2576	1				
2	l	Q G12576 x 2 > G15512	0				
2	0	( 0,5512 × 2 : 1, 024					
		\$1024 × 2 : 0,2048	0				
:> 1111	1100	111,0011601111010					
=> 1.1111	1001	110011001111010 > 2"					
Biased =>	1.111	1001110011001111010 * 2137					
		biased					
Sign	-1	expenents Fractions					
0.		0010011 1111 11100 11110 101	10 0111 1010				
	4	· 4 F C E 6	7 A				
-							
L) (	) x 44	FC E 6 7 A					
		BCA1A - 0 x CC 206 HO4					
- Oxl	1A7BC						
	010	10100   111   1011   1100   101	10 0001 1010				
->							
-/ -	1. [1]	2 11 11 00 10 10 000 110 (0 , 12 ) 1	- 43				
		=> -1.1111 Oll11 oold ooo 11010 . 2-43	-> Karena for > 23, 2000 5: 0				
	C206 H		or have and O				
	100	11000 010 000 0110 1010	10000 0100				
=> .	-1. Olc	00000 010 1010 00000 100 (2 152) -2 0 152 -13	25 25				
-	=> -1	0100ctco 11010100000460. 225					
=> (	J- (-	-1.0100000011010100000010c) => 1.01000000c1	UGLOGO OSCIO				
		Sign = ()	110100000166.1				
-	and the same of th	bizied- Expans - 127725, 152					
		the second secon					

Pama: Arzaka Barran H. NPM: 2306152393 Keras: C
0 100/1100/0 010 0000 0110 1010 0000 010.0
=> Ox 4C206 HOU
b. 0xCE225061 + (0x68PFFOAA + 0x58A10000
Kerjanan ya di chaan kurung dahuru  O x 68 FFFOAH
0
Ox 58410000
O   10110001   010   0001   0000   0
0, 68 (= FFO AA + 0, SEALOOCC = 1.1111111111 coccto localo 1010 + 0 = 1. [1] [11] [11] 0000 [0101010 . 282
O, CE225061
1   100   1100   010   0010   010   0000   0110   0001   exponent = 156 - 127 2 29 -> Karene gap exponent dan 82 letan dan 27.
Mana dianggap 0  On CE225061 + On 68 FFFORA = 0 + 1. 111 1111 1111 0000 10101010. 282  = 1.111111111110000 101010 0. 282
=> Ox68 FFFOAA
(SiDU)

1. a. Hes	tode Rombulatan alalah Metode yang digunanan Ualam perhitungan ficating-point
Kenna	have by teres dan operasi floating-point auan membusuhuan lebih bangan
diast	dan agua di Ergnancone terrone. Dalam Kasus ini diporturan Cara membulatan
	tsb ke daram representasi ya Sesuar.
	ounching fronting untur Aucrasi ferhitungan, Juna tadapat Kesalahan Tounday man
	total Kesalahan ya Agnifikan. Lalu, Acunding Juga Penning Sta penjaga Konastensi
	ngan, Jina rounding Salan mana anan menjadi masarah dalam berbagi data
b. 1	. Round Davn (Pembulatan ke bawan)
•	4 Han1 Perhitungan dibulatuan ke argua ya lebih rendan
1	Conton: 1.100(01 => build than alson Round Down le 3 bits pecanan
	h 1.100
2.	Round up (Pembulatan Ice Atas)
\	-> Harri Perhitungan dibulatuan Ke 1125
	intch; 1.100101 => Bulbiuan dgn Round UP Ice 3 biss Pecanan
	₩ 1.101
3,	found Toward Zero (Pembulatan Ice not)
	Haul perhitungan dibulatuan he arah O, negant Obulatuan hebawan, dan
	angua pesing abularnan he at or
Co	ntch: 1. 100101 => buildhan he drah O, 3 buts fraction
	L) (.1cc
4. P	acund To nearest (fembriat on ke angua terdenat)
	Haril partiturgan dibutatuan lee arah angua lain yang paling terdenah
Cer	ntch: 1.100101 (1.578125) -> bulstan ke 3 bus fraction foodouse
	1.101. (1,625 lemm dense hed 1,578125 died 1,5)
Homa: Arze	ema Parson Hawardi
NPM: 230	6(\$2393
Kelas: (	
and the same	the state of the s