

Nama: Muhammad Shafwan Andumuh

NPM: 217006104

Kelas: D

Tugas Tabulasi

$$f(A, B, C, D, E) = \sum m(0, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 16, 21, 23, 29, 31)$$

Suku Min		Kelompok	Kolom - 0		Kolom - 1	
Desimal	biner					
0	00000	0	0	00000✓	(0,4)	00-00✓
4	00100	1	4	00100✓	(0,8)	0-000✓
8	01000		8	01000✓	(0,16)	-0000✓
16	10000		16	00000✓	(4,5)	0010-✓
3	00011	2	3	00011✓	(4,6)	001-0✓
5	00101		5	00101✓	(4,12)	0-100✓
6	00110		6	00110✓	(8,9)	0100-✓
9	01001		9	01001✓	(8,12)	01-00✓
12	01100		12	01100✓	(8,24)	-1000✓
24	11000		24	11000✓	(16,24)	1-0000 a
7	00111	3	7	00111✓	(3,7)	00-110 b
13	01101		13	01101✓	(5,7)	001-1✓
14	01110		14	01110✓	(5,14)	0-101✓
21	10101		21	10101✓	(5,21)	-0101✓
23	10111	4	23	10111✓	(6,7)	0011-✓
29	11101		29	11101✓	(6,14)	0-110✓
31	11111	5	31	11111✓	(9,13)	01-01✓
					(12,15)	0110-✓
					(12,19)	011-0✓
					(7,23)	-0111 c
					(13,29)	-1101 d
					(21,23)	101-1✓
					(21,29)	1-101✓
					(23,31)	1-111✓
					(29,31)	111-1✓

Kolom - 2	
(0, 9, 8, 12)	0 - - 0 0 e
(0, 8, 9, 12)	0 - - 0 0 -
(0, 8, 16, 29)	- - 0 0 0 f
(0, 16, 8, 29)	- - 0 0 0 -
(9, 5, 6, 7)	0 0 1 - - g
(9, 5, 12, 13)	0 - 1 0 - h
(9, 6, 5, 7)	0 0 1 - -
(9, 6, 12, 14)	0 - 1 - 0 i
(9, 12, 5, 13)	0 - 1 0 -
(9, 12, 6, 14)	0 - 1 - 0 -
(8, 9, 12, 13)	0 1 - 0 - j
(8, 12, 9, 13)	0 1 - 0 -
(5, 7, 21, 23)	- 0 1 - 1 k
(5, 21, 23)	- - 1 0 1 l
(21, 23, 29, 31)	1 - 1 - 1 m
(21, 29, 23, 31)	1 - 1 - 1

Kolom - 3

Pengusun Utama		Subkomin															
		0	3	4	5	6	7	8	9	12	13	19	16	21	23	29	31
3, 7	b		X				X										
16, 29	d												X			X	
0, 9, 8, 12	c	X		X				X		X							
0, 8, 16, 29	d	X						X					X			X	
9, 5, 6, 7	e			X	X	X	X										
9, 5, 12, 13	f			X	X					X	X						
9, 6, 12, 14	g			X		X				X		X					
8, 9, 12, 13	h							X	X	X	X						
5, 7, 21, 23	i				X		X							X	X		
5, 21, 29	j				X									X	X		
21, 23, 29, 31	k													X	X	X	X
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

$$f = b + d + g + h + k$$