2 32 ... 0

2)16 ...0

2/8...0

2 4.0

5 12 8 11 5C8B P' 111001111110111² 7 3 15 7 Π3F9 C. 1110011010110, 1 12 13 6 1CD6 d. 3B2A 10+2×16+11×162+3×163=15146 P FEAG 9+10x16+14x162+15x163=65193 3 a,000111 +010111 000111 + 010111 7+23=30 6 110000+010010 110000 48+ 18 = 66 + 010010 11/000010 cannot be stared in 6 bits will overflow. C. 100011 + 100111 100011 35+39= 74 + 100111 (1)001010 cannot be stored in 6 bits, will over flow. d. 010011+101111 010011 19+47=66 +101111 cannot be stored in bits, will overflow. (1)000010 e. 0/0011 + 0/1/00 0/0011 19+28=47 4 011100 101111

Ba. 10/1/00/000/01/2

4. a, +15 +15 = 001111 2/15 2[3...1 6, -13 13=001100 -13=110100 -13 110011 110100 C. 0 000000 d -32 t00000 >011111 -32=100000 C+32 2013年 -2 ~ 2 -1 까지 나타내은 2 66its 201 444KH 324 24264 4 ct. 5, a. 111001 111001 111000 -> 000111 =7 6,100110 100110 100101-> 011010=26 -26 C. IIIIII

11110 -> 000001=1

d. 011011 = 21

e 010110 = 22

111010 000111 000001 ignoral carry b. 101010,100110 10/0/0 Overflow 100110 (1)010000 1001111 0110000 C. 111001, 110001 111001 110001 -22 (1)101010 ignored carry 10/00/ 010110 d. 101100, 101100 101100 101100 (1)011000 010111 101000 e. 100110, 00100 100110 001100 110010 110001 00 111 0

6. a. 111010, 000111

f and g are not equal

b.
$$f = a'b + ac' + a'bd'$$

 $g = ad' + a'bc + a'bd'$ f and g are not equal

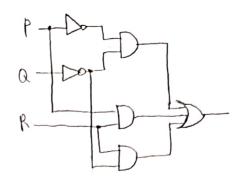
0 1 0 1	1,							
a b c d	06	ac'	a'bd'	7	ad'	a'bc	a'bd'	g
0 0 0 0	O	0	0	0	0	0		,
0001	0	0	0	p	0		0	0
0010	\circ	0	0	0	0	0	0	0
6011	0	0	O	0	D	6	Ō	0
	- /2 - 1 - 2	0	1 1 1	Ţ	D	0	0	0
0100		_				\circ		1
0101	F	0	0	- 1	0	0	0	\bigcirc
0110	١	0	1	1	0	1)	1
0111	1	0	0	1	0	Ì	D	1
1000	0	1	D	1	1	O	D	}
1001	0	1	0	t	0	O	0	O
1010	0	0	0	0	1	0	0	1
1011	O	O	0	0	O	0	0	0
1100	0	1	0	1	1	0	0	1
1101	Ø	١	O	1	0	0	0	0
1110	0	0	O	0	1	6	0	1
1111	0	0	0	0	0	0	0	0

P8a

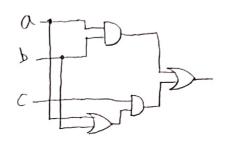
C (2+3+2)(2+3+2')(2+412)(2+412)

d. (athec)(a+b'+c)(0+b'+c')(a'+b'+c')

9, a, P'Q'+PR+Q'R



b. ab + c(atb)



10. a.

항의 정에이며 가장 간강되다