## 1. 이진 시스턴

· ((기년 - 국한, d'screte 아(3) - Uncountable, continuous

Base (Padix value) It Set of coefficients (MP74'5)

메호클러 base - r 시스템 이면...

Basc : r

Set of coefficients: 20,12, --, 1-13

( as as as as as a 1 a 0 . a - a - a - a) - = anr + --- + a + a + a + a - 1 --- + a - n - m

Bit: 0/श्रिन्मामश digit

-Byte: 8 bits

N bik; 0以2"~是 丑短 7時

2º = 1 Kilo

2° = 1 Mega

230 = 1 Giga

 $2^{\infty} = 4$  Term

200 = 1 Pana

260 = 1 Proa

## (omdewents

base - r NAED one

r's complements

(r-1)'s complements & 3th 7+ 32m.

(r-1) el 25 : (r"-1) - N) +1

땡성에서 보드 활용

base -r glan M-N 242

W+(~1-N) = W+ Not total 3 MALFICK

= L,+W-N 5141' olan

1. 外子以 吃 中日 对抗性性的对于 男似当

## Signed Binary Numbers

제일 달의 bit 를 Sign bit 으로 사용.

0 : positive

1: negative

	Signed - 2' complement	Signed 1'S complement	Signed magnitude
7	•	011(	
6		0110	
5		0 0	
4	1	0   00	[,
3		००।।	
2		0010	
1		0001	
10	0000	0000	0000
- D	-	1111	1000
-)	)	1110	00/
- 2	(110	1101	[0]0
-3	(0)	11 00	10 ()
-4	(100	10 11	( ) טט (
-5	101	(0(0	( [0]
-6	10 10	1001	1110
-٦	1001	( 000	(111
-8	(000	-	_

(0건두 표현 코즈
BCD -> I'S AHES 10214 FT
(8421) BCD गार्थ अंकृष्ण १३ विनामण कारायाना ४०११० असा प्रेस्सूर्य (क्रिक्ट रेक्ट्रिस्स
2421 > weighted code, Self-complementing —— 9'5 complement 2 1,0 47710/ item of 4 %or.
Excess -3 -> B(D+3 off) off. Unweighted code. Self-complementing
84 -2-1
Error Detecting
Parity bit kig, 374 (2) 115 43 1247, 32 3292 821
र्देन गण १२ देन १५ १ १ १ १ १ १ १ १ १ १ १ १ १ १ १ १ १ १
Binary Logics and Functions
DINICI COPICS CANCELOUS
finite, non-unique Boolean Expression.
Lunique and Smite Truth Table.