Description of number systems

Off is used to communicate

Off is used to perform tosks.

Off is used to goonfity.

Off is used to measure.

	zn=	z =	8 - 01111-8-12	
20	y	Z	panity bit (odd)	Panity bit (even)
0	0	0	1	0
0	0	1	0	1
0	1	Ò	0	1
0	1	-1	1	0
1	0	0	. 0	1
1	0	1 %		0
_1-	-1	0		0
1	1	1	0	1

000 (There bit massage)
0+0+0-11
0+0+1=1

Panity bit of A ponity in an extra bit enclude with the mbit binary massage to make the total numbers of 1's in this massage either code odd on even.

De what is the disterence between Canonical trom and standard trom.

Canonicalo mas to bobona D

O The expression of Boolean fonction With the tonetion Containing all the literal in each term is ealled canonical trom.

(1) Two types of cononical from.

1 Sum of minteron

@ product of maxterim.

Standard trom o

The expression of Boolean for etion with the Junction containing one two or any number of letarral is called standard trom.

(1) Two Type = of standard tream

O som of Product.

O Product of som.

## 2 4 3 7 11, 15) and the loop a In what are don't care conditions? Simplify . the tollowing B.F: F(w, n, y, Z) => (1,3, 7,11,15) and don't earce Conditions d(w, n, y, z) = Z(0, z, 5) Don't care of The 1's and 0's in the map simplify the combination of variables that makes the Junetion equal to 1 on a respectively. The combination are usually obtain from a trooth table that its the combination under which the Junetion on is 0,1.