(1922/04/7)

i's complement!

I's compliment of a binary number is another binary number obtained by tossing all bits in it.

i.e transforming the data of bit to I and the I bit to 0. In the 1's compliment formal, the positive numbers remain unchanged.

The negative numbers are obtained by testing the 1's complement of positive counterparts.

For example +9 will be p represented as 00001001 in eight bit notation and -9 will be prepresented as 1110110 which is the 1's complement of 00001001.

Examples:

* 12 complement of "0111" 12 "1000".

x 1's complement of "1100' is "0011"

23 complement!

g's complement of a binary number is I added to the i's complement of the binary number. In thu 9's complement representation of binary numbers, the MASB represents the sign with a '0' used for plus sign and 'i' is used for minus sign.

This remaining bits are used for representing magnitudes are prepresented in the magnitudes are prepresented in the same way as in the case of sign bit (or) i's complement representation.

Negative magnitudes are represented by the Negative magnitudes are represented by the counter parts.

Example:

* 2's complement of "0011" 15 "1101".

* 2's complement of "1100" 15 "0011".