2's Complement

2's complement of a binary number is is a cidded to the 2's complement of the bonomy number. In this 2's complement expresentation of benovy numbers, the MSB represents the . SESN with -a 'O' used for plus seyn and '1' is used for menus segn.

The stempling buts onto used for representing masnetudo. poseteve magnitudes are represented en the Same way or in the Care of sign bit (01) 1's complemente. Trepresentation.

repative magnitudes ever represented by the 2's -complement of their positive counter pourts.

Example!

- + 2's Complement of "004" ES 1101".
- 2's complement of "1100" & "oom".

1's Complèment:

humber Obtained by tossins "all bits in it.

is transforming the data o bit to a and the a bit to 0. In the a's "Complement format, the positive humbers oremain unchanged.

The negative numbers are obtained by telking the a's complement of positive Counterposits.

for example · 19 will be sepresented of 00001001 in eight bit notation · and -9 will be suppresented as 11110110 which is the · 1's complement · of 00001001

Examples:

* 1's complement of on 'es "1000".

* 1's complement of "1100" es "0011".