```
+ , - =
                              3 2 10
 t, 0 - binary bits
                                      1,299
                                 1×103 Smallest
 0101 = B : index = bit
 10 10 Bz = 1
 U2(B) = 22 + 2° = 4 + 1 = 5
          = & B; x 2
                                   1111 = -7?
Olll = 7
sign 3bits of quantity
                                  nestine
N2(B) = (-1)^{8n} \times \left(\frac{5}{120} + \frac{1}{120} + \frac{1}{120}\right)
                                 +0 -07
Sign-magnitude,
Two 's Complement
 TCZ(B) = -B_n \times 2^n + (\frac{n-1}{\epsilon_0} B_i \times Z^i)
    0111 = 7
              27 21+20 - 23
 Cill
 +1111
   0110 = 21+22 = 6
   · Thois: - Bnix Zn
    Ones': - Bn x (2 -1)
                               1111 >> 1 = 0111
                                (n & (1 << x) 70)
C: 5+x (4-11)
                                   := n's xbit is 1
```

Bit-width is the length of B vector (byte n=8) (or octet) min size of x86-32 ×8/2-64 Chan 8 troll 16 16 32 int 16 16 37 32 32 long 32 64 64 long long 64 64 64 uint8-+, vint16-+, sin+32-+ addb addu 16 sizeof (x) x=var, or type x-1 < x < x+1 add d 32 64 a+b mod 2" adda for (int i = 0; ) i++ ) { if (i < i+1) continue; printf; exit (32-bit) (32-bit) 54, 389, 399, 127, 133 10,000,000 Big Int 0000010100001000 LSB is highestim memory => Big Endian char, char USB is lowest => Little -entrain shant