What range of values can be described by N bots ?

Let's talk about addition because it's a common approxim and it a good time to present it.

Binary addition very similar to decimal addition What do you need to Knowldo for decimal addition addition table, carry

## Binary addition table:

0 + 0 = 0
0 + 1 = 1
1 + 1 + 1 = 11

## Addition in 4-69ts:

3 0011 3 0011 11 1011 +6 0110 +7 0111

The number of bits being manipolated by hordware

Overflow occurs when the result of an operation lies estable the range of the word size.