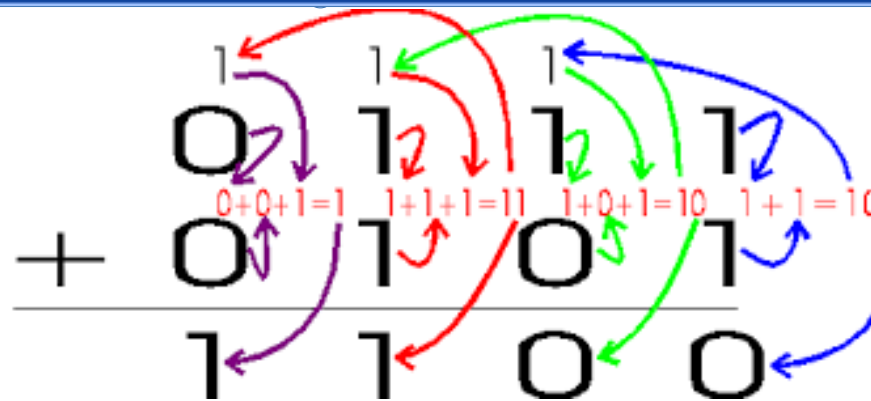# Binary Addition

Layout/working out:
You would write it like a normal addition sum. So:
10110110
00100110

Then, we have to follow these rules:
0+0=0
1+0=1
0+1=1
1+1=0(carry the 1)
1+1+(carried)1=1(carry 1)
Therefore:
10110110+
00100110
11011100
  1   11

TRUST ME, ITS NOT AS HARD AS THIS!

BY:

ARCHIE SLADDEN

More explanation:
10110110=182
00100110=38
182+
038
220
11
11011100=220
This can be used to solve any binary addition.

Overflow error
An overflow occurs when there is a 1+1 or 1+1+(carried)1 at the end of the addition. An overflow error occurs because there is not a big enough bit storage space.