

Example 1.

Example 2.

He have three 16-bit numbers

0110011001100000 01010101010101 1000111100001100

State 1. We harform addition

0110011001100000 01010101010101 +1000111100001100

10100101011000001 a carry are wrapped around

0100101011000001 +1

0100101011000010

Stip 20 Ones Complement [1-0,0-1]

010010101000010

7 1011010100111101 Final Checksum Sendu Side

hle have three 16-bit numbers

0110011001100110 0101010101010101 0000111100001111

State 1. We perform addition on 16-bit numbers.

0110011001100110 0101010101010101 +0000111100001111

1100101011001010 No Carry Forward (moutt)

Stylie Ones Complement of the rusult (Styr1) [1 -0,0-1]

1100101011001010

0011010100110101

Einal Checksum, calculated at Sendin Side

Receiver Side Data + checksum

0110011001100000 01010101010101 1000111100001100

1011010100111101

111111111111110

11111111111110

godd jud +1

eciver Side Data + Checksum Receiver Side

0110011001100110 01010101010101 0000111100001111

+0011010100110101

111111111111111

Data is Verified on the receiver

> putput in all 1's