

Check Sum

17 Monday

श्रावण बदी १५-२०८०

In this each word is added to the previous word and total sum (checksum) is calculated. Then the checksum is transmitted along with the data.

JUL '23

① (7, 11, 12, 0, 6) to send

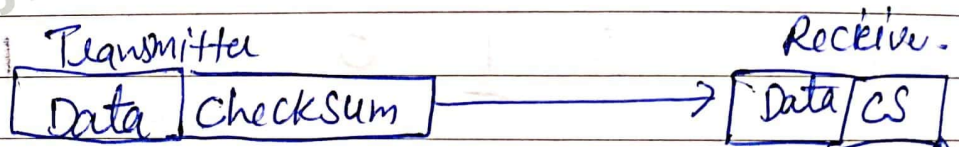
$w_1 \quad \dots \quad w_5$

$$w_1 + w_2 + \dots + w_5 = \text{Checksum}$$

$$7 + 11 + 12 + 0 + 6 = 36$$

18 Tuesday

श्रावण सुदी ०१-२०८०

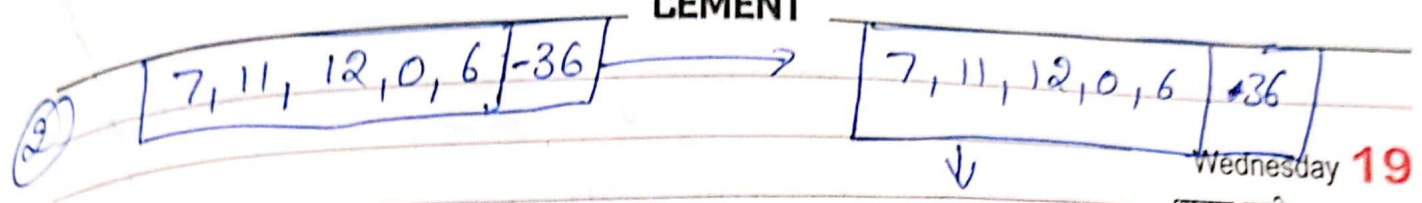


↓
calculate Checksum
↓
C.S

if C.S = C.S 1
↳ NO error.

in negative

SHREE
जंग रोधक
CEMENT



Wednesday 19
श्रावण सुदी ०२-२०८०

calculate CS

$$7 + 11 + 12 + 0 + 6 = 36$$

$$-36 + 36 = 0$$

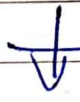
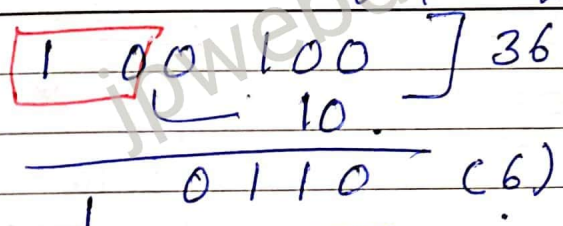
No Error.

JUL '23

check sum using 1's complement :-

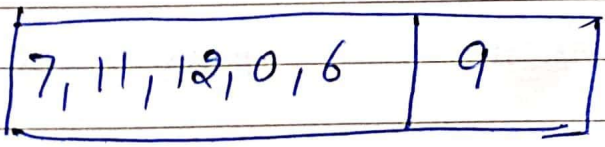
$$\text{Check sum} = 36$$

Binary
only 4 Bit
because



inverse

$$\underline{1001} \text{ (9)}$$



jpwebdevelopers

R.

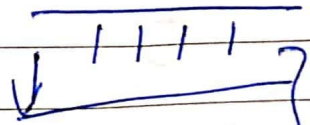
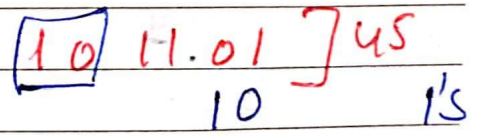
Thursday 20
श्रावण सुदी ०३-२०८०

$$7 + 11 + 12 + 0 + 6 + 9$$

check sum

$$= 45$$

Binary



inverse 0000 } no error.