Group: 911

Honework - teams

Subject 1 - Student 1. $b_7 = 16$ x = 125 7 A 9 (16)y = 350 7 6 (16)

The addition of the towo numbers is performed starling much the units digit (with index o), from right to left, the movess being repetitive with a number of mox [m,n] + 1 iteration (m,n - miles of digits -1). At each iterations, the digits (after they have been convaled to decimal) from the homologus positions and the carry digit (o or 1) from the previous idention are added.

The sum provides a digits:

- the transport figure used in the next iteration is the quatient of dissiding the sun by base.

- the positionally corresponding figure in member C is the remainder of dividing the sum by hose

1257 A9(10) + 350
$$\mp 6(10) = ?(10)$$
 $m=6$
 $m=5$.

1257 A9(10) + $6(10) \pm 9(10) = 9 + 6 + 0 = 15(10)$
 $15A89710$
 $1=[15/16]=0$
 $15A89710$
 $1=[15/16]=0$
 $1=[15/16]=0$
 $1=[15/16]=0$

~1-

$$A_{(16)} + A_{(16)} = (0 + 15 + 0) = 25$$

$$A_{(16)} + A_{(16)} + A_{(16)} = (0 + 15 + 0 = 25)$$

$$A_{2} = \begin{bmatrix} 25/16 \end{bmatrix} = 1 , C_{1} = 25 - 1.16 = 9$$

$$C_{1} = A_{(16)}$$

$$i = 2 : A_{2} = 1.$$

$$A_{(16)} + 0_{(16)} + 1_{(16)} = \frac{1}{2} + 1_{(16)} + 1_{(16)} = 0$$

$$A_{2} = \begin{bmatrix} 8/16 \end{bmatrix} = 0 , C_{2} = P - 0.16 = 8.$$

$$C_{2} = 8(16)$$

$$i = 3 : A_{3} = 0.$$

$$5(16) + 5(16) + 0(16) = 5 + 5 + 0 = 10.$$

$$A_{4} = \begin{bmatrix} 10/16 \end{bmatrix} = 0 , C_{3} = 10 - 0.16 = 10$$

$$C_{3} = A_{116}$$

$$i = 4 : 4 = 0.$$

$$2(16) + 3(16) + 4(16) = 2 + 3 + 0 = 5$$

$$A_{5} = \begin{bmatrix} 5/16 \end{bmatrix} = 0 , C_{4} = 5 - 0.16 = 5$$

$$C_{4} = 5(16)$$

$$i = 5 + 6 = 1.16$$

$$A_{116} + A_{116} + A_{116} + A_{116} = 1 + 0 + 0 = 1.$$

$$A_{116} + A_{116} + A_{116} = 0 , C_{5} = 1 - 0.16 = 1$$

$$C_{5} = A_{116} = 0 , C_{5} = 1 - 0.16 = 1$$

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The multiplication is performed starting with the units digit (with index o), from right to left, the proces being repetitive with a number of m+1 iterations

At each iteration, the curent digitais multiplied by B, after they have been converted to decimal, and the carry digit from the previous iteration is added.

The colculated value provides a digits:

- the transport figure used in the nost iteration in the gustiens of dividing the colonloted value by base;

- the positionally corresponding figure in mumber C is the remainder of the division of the colculated value by hose.

m=6.

1 =0 : to=0.

935 2460.

60).501000 +901 = 6.2+0 = 30.

7224760

t1=(30/8)=3, c0=30-348=30-24=6 Co=6(8)

1=1:23

481. 88) + 381 = 4.2+3-23

ta = [23/8]=2 c' = 23-248=25-16=4

C1= Ha

i=1: t1=2.

26). 261+401= 2.5+1=12 =) +3=(12/8)=1 C2 = 12-8-1= 12-8=4

Cz = A(3) -3-

$$50)^{2} 50) + 100 = 5.5 + 1 = 26.$$
 $4 = [26/8] = 3$
 $c_{3} = 26 - 8.3 = 26 - 24 = 2$
 $c_{3} = 20$

$$t_5 = [18/8] = 2$$
 $C_4 = 18 - 8.2 = 18 - 16 = 2$.

$$A(p) \cdot 5(p) + 2(g) = 1.5 + 2 = 7$$