Name : S.M. Tasnimul Hason

ID : 18.02.04.142

Course No : CSE 3110

Course Title: Digital System Design Lab

Section : B

Group : B2

Date : 11-09-2021

$$x = 0.10101 (21)$$

$$y = 101000 (-24)$$

$$-y = 0.11000 (29)$$

ALU Operation:

s ₁ s ₀		Operation	
0	0	u+0	
٥	1	uty	
1	0	u-y	
1	1	u+0	

The same of the sa	Notice and the second s			g de sportschleiser i versoon steen afheke van verkendingsvers op gevier om medikleis in werden som bestelle
Step	ц	<i>V</i>	X	x_1
	000 000	000 000	01 01 01	0
	011 000			
Step-1	011 000	000 000	010101	0
	001100	000 000	001010	1
	101000			
Step-2	110100	000 000	001010	1
	111 010	000 000	000 101	0
	011 000			
Step - 3	010010	000 000	000101	0
	001001	000 000	000010	1
	101000			
Step - 4	110001	000 000	000010	1
	000 L L L	100000	000001	σ
	000 LL0			
Step-5	010000	100 000	000001	0
	001000	010 000	00000	1
	101000			
step-6	11 0000	010000	000000	1
	111000	001000	000000	0
	(-504)			

: The result is $(u+v) \Rightarrow 111000 001000 = (-504)$



Ans. to the Q. No. 1

Six (6) addition operations are needed for the operation in 1(0).

Among them 3 are addition with (+y) and others are addition with (-y).