NAME: HANZALA ALI

**ID: 13467** 

FACULTY: JAVERIA BARKAT

**DEPARTMENT: BS-CS** 

## THANZALA ALI - 73467 ASSIGNMENT # 2.

(A.2) Multiplier = 11001 . O Multiplicand = 10011 = M

## SOLVE #

	Ω	8	0-1	M	6 11111
	00000	11001	0	20012	n=5 88888
1st	01101	11001	Ovx	10011	2 A-A-M -1001
Step	00110	11100	1	10011	7A=A+M 03710
2nd	11001	11100	1×	2.0021	1 2 +100/p
Step	11100	11110	0 %	10011	2 2 11001
3°step 4rth	21110	01111	ONX	10011	7 A= A-M 112/0
	00101	10111	2 ×	10017	Jn-1-10011
Step	00010	22011	1	10011	3 n=0 01011
Dstep			14/1	The state of the state of	

## HANZALA ALI- 23467

SOLVE#

First

Evaluate the total size of Memory.

\* Total Size of Memory: 232 34294967296 Total Size of Memory => 4 GB

\* Total Size of Each Segment=> 24

\* Total Segment = 232 = 178, 966, 970

=> 178 M

Now, \* To Find Physical Address.

> CS: IP

> Es: DT

> Es; SI

> DS:ST.

> DS; DI

## HANZALA ALI -13467

4) ES = ABC45600, DI = 2340CB Logical Address = 32 bit

ABC 45 600

2 3 4 D CB

ABE 7 A 3 CB (Physical Address)

5) DS - DEF 23400, SI = 123451. logical Address - 32 bit

> D E F 2 3 4 0 0 1 2 3 4 5 1 D F 0 4 6 8 5 1 (Physical Address)