## Assignment 3

That Sohrint JD: 20101402, Section: 11

Answer to the 91

HAF Adder Using NAND Grates-

Equation: Suon = XY'+X'Y = XBY

CNOW = XY

Alaman Dario Allowa X and X

## Answer to the question no 2 here, == SUM Estate as some ci = Coury in FA = Full Adder V= n numsen vota NB-14 FA-2 N8 N9 FA-3 √10 · VI2. FA-4 Z C 0 Vis Va

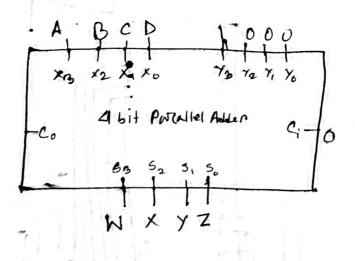
## Answer to the question no 3

The converter takes in a 4 bit. Excess. 8 Mapresontation

A.B.C.D Where A = MSB and D = LSB and output:

A 46ib 2's complement representation WXIYIZ

Where windienter MSB and z indecodes LSB.



## Answer to the question no 4

