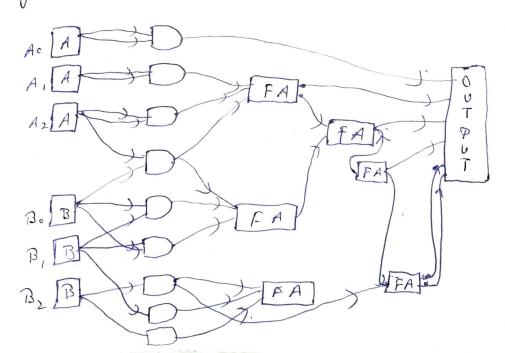
COA UPF VISHAL KUMAR RA1911026010052 Alloted question No-(26)

(01.) Inplement Carry Save Multiplier & for 3 bit input.

AIM: To clisign and implement a carry save multiplies for 3 bit input.

SOPTWARE: Logic gale simulator

Circuit diagran:



Procedure ) apren logic gaile simulator ) Create a full adder circuit first Then create an 10 using the full adder circuit Now open a new file is logic gatisin Jake 6 ascrippuls and place à given in circuit diagram. -) And using AND gales of total

9 and give cometion! -) Now export 10 of full adds and place it in circuit consulie. A total of 6 full addles 10 must be word -) Now for output select runvin output and gives 6 pin consulter. -) Give proper cornections.

O2.) Subtraction of 2 numbers in 8086 Algorithm:

data segment

A db OFh

B db OCh

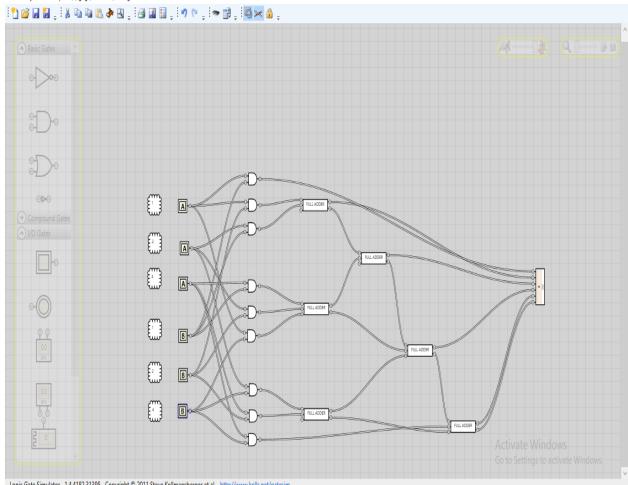
data ends

Code segment
assume CS: code, ds: Jala
Start:
mov ax, dala

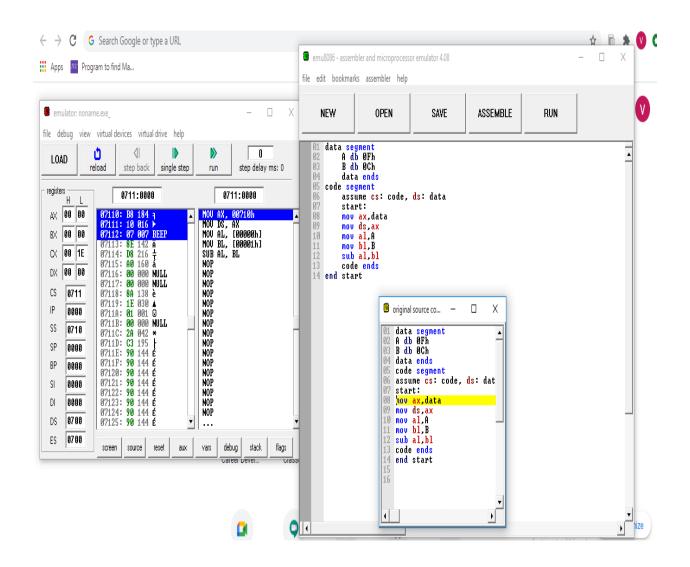
mov ax, dala
mov ds, ax
mov al, A
mov bl, B
sub al, B;
Mov cx, ax
Code ends
end stood

Algorithm",

1) Load data to degester Al (15+No) 2.) Loud date of to ocquister BL (2 MN) 3.) Subtrait this two manufus (contents of register AL and register BL) 4) Apply DAS instruction (cleanul adjust S.) Store result (content of AL) 6.) Sext register AL to 00 Add contents of register AL to itself with covery (bodow)
Store the result (covery of occient occient occient of occient of occient oc g.) Stop



Logic Gate Simulator 1.4.4182.31395 Copyright © 2011 Steve Kollmansberger et al. http://www.kolls.net/gatesim



Hence Subtraction of two 8 bit Numbers are done.