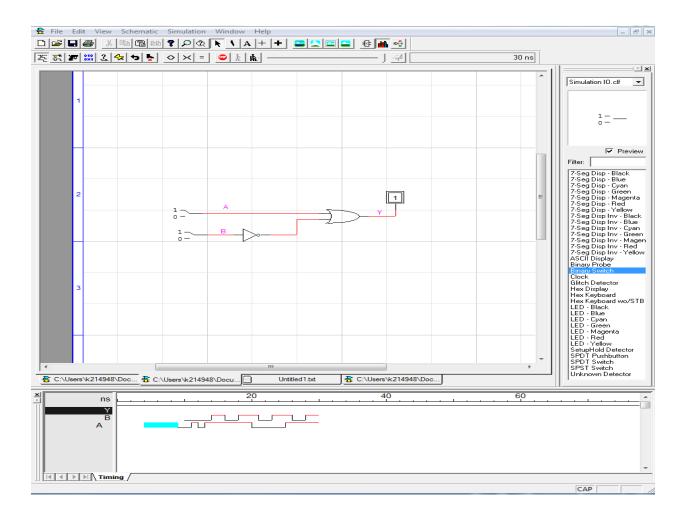
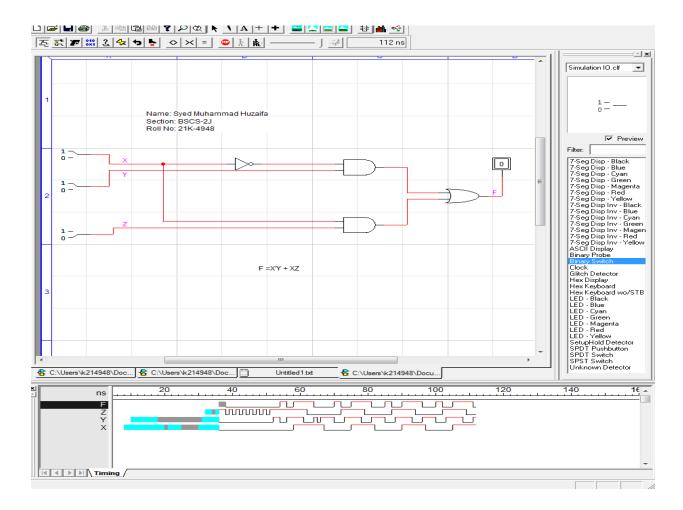
Task 01

Input (A)	Input (B)	Output(Y)
0	0	1
0	1	0
1	0	1
1	1	1



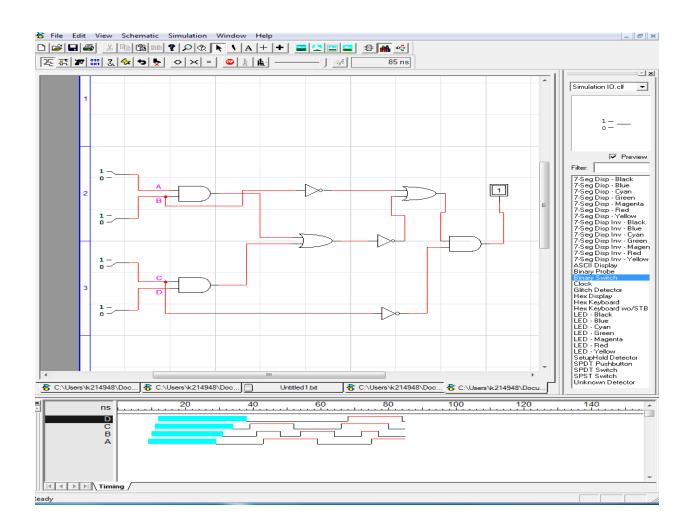
Task 02

Input (X)	Input (Y)	Input (Z)	Output (F)
0	0	1	0
0	1	1	1
1	0	0	0
1	1	0	0
0	0	1	0
0	1	1	1
1	0	0	0
1	1	0	0



Name: Syed Muhammad Huzaifa Roll\_No: 21k-4948 Section:BSCS\_2J

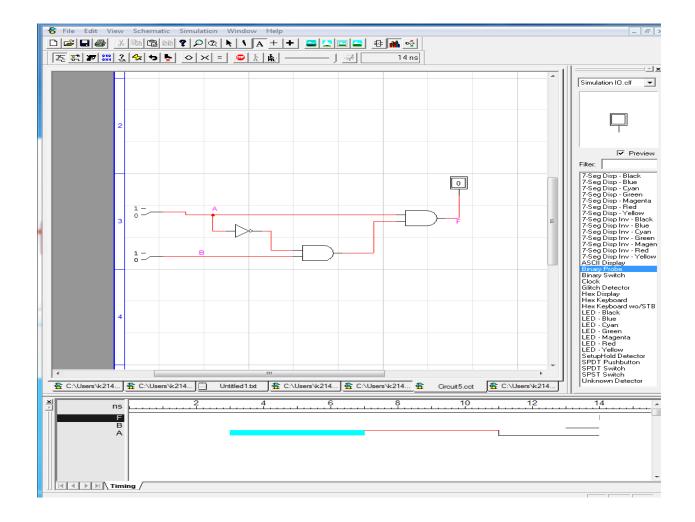
Input (A)	Input (B)	Input (C)	Input (D)	Output (F)
0	0	1	0	0
0	1	1	0	0
1	0	0	0	1
1	1	0	0	0
0	0	1	1	0
0	1	1	1	0
1	0	0	1	0
1	1	0	1	0



Task 04

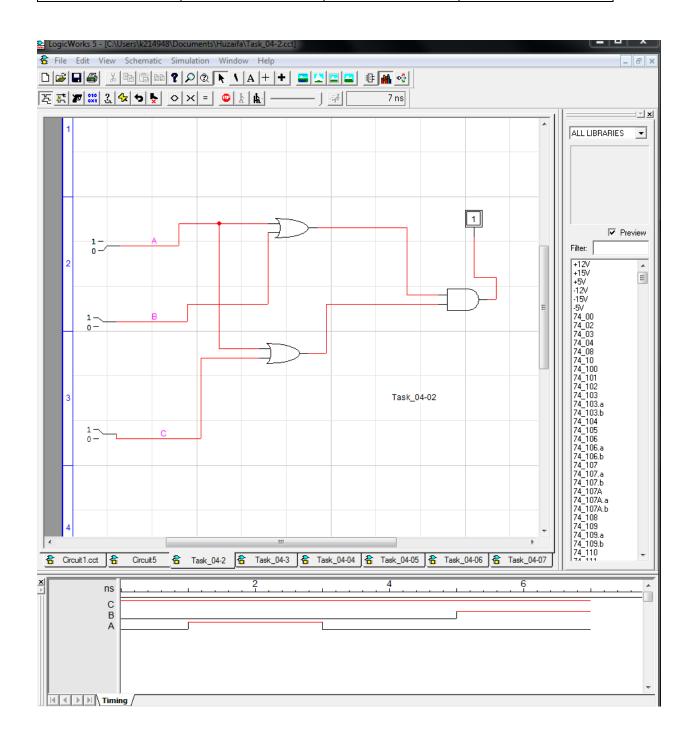
## 1. F = A + A'B

Input (A)	Input (B)	Output(F)
0	0	0
0	1	1
1	0	1
1	1	1



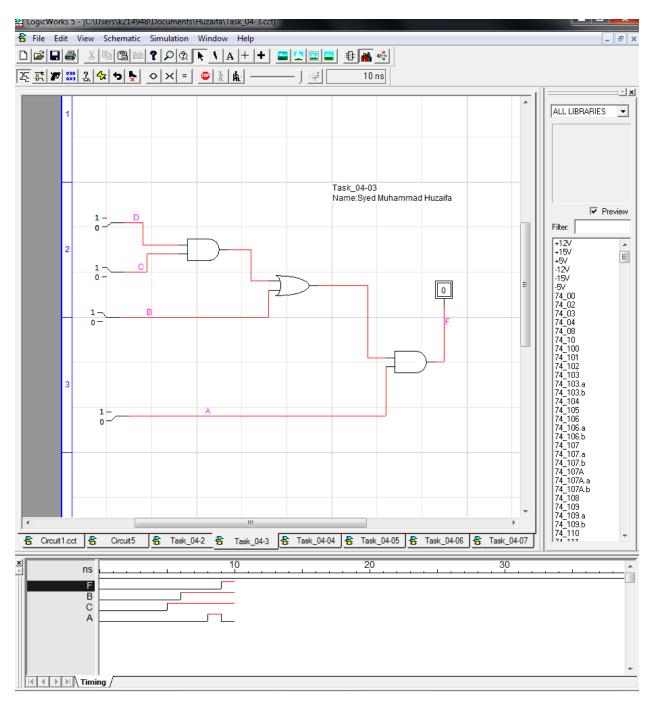
## 2. F = (A+B)(A+C)

Input (A)	Input (B)	Input (C)	Output(F)
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1



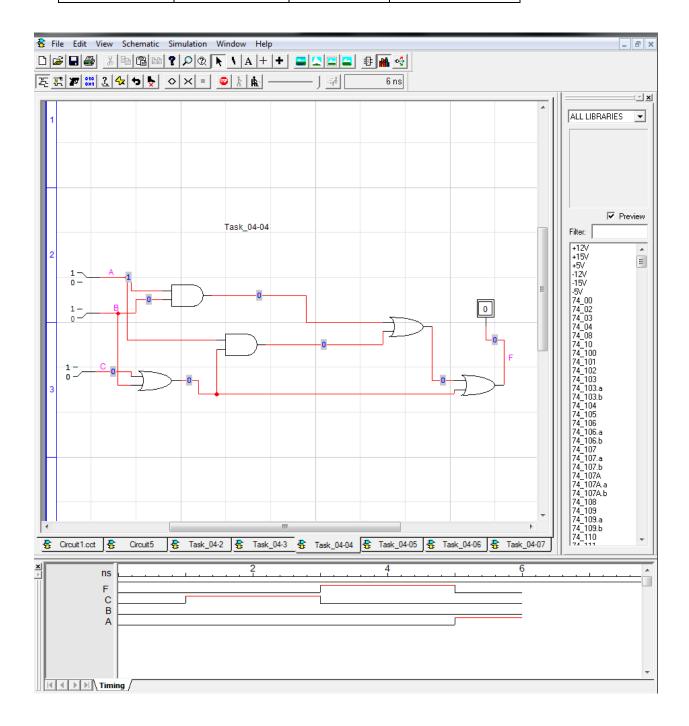
## 3. F = AB + A(B+C)+(B+C)

Input (A)	Input (B)	Input (C)	Input (D)	Output(F)
0	0	0	0	0
0	0	0	1	0
0	0	1	1	0
0	1	1	1	0



## 4. F = AB + A(B+C)+(B+C)

Input (A)	Input (B)	Input(C)	Output(F)
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	1

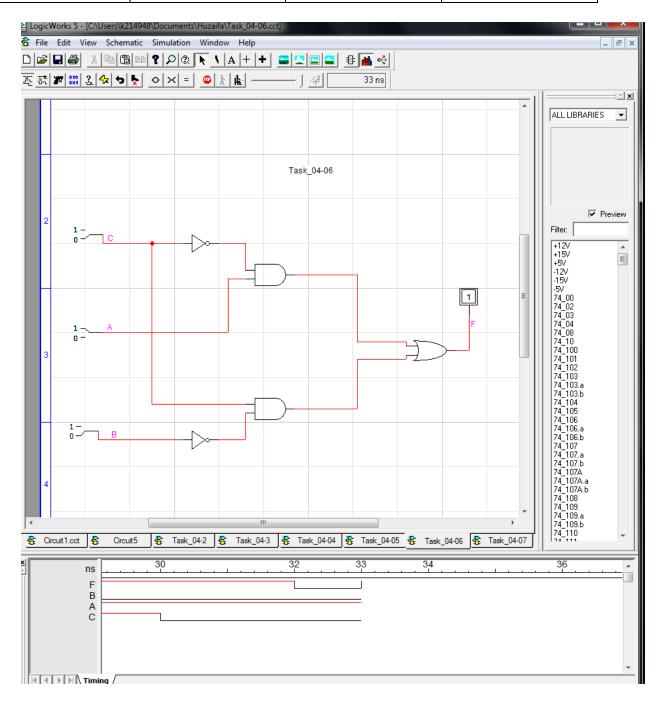


# 5. F = X(YZ) + X'Y + (XY)Z'

Input(X)	Input(Y)	Input(Z)	Output(F)
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	1
LogicWorks 5 - [CA\Users\k214948\Docures   File Edit View Schematic Simula   Day	ation Window Help	24 ns	
1 - Z 0 - Y 0 - Y 0 - X	Task_04-2  Task_04-3  Task_04-04-0		ALL LIBRARIES    Filter:

6. F = B'C + AC'

Input(A)	Input(B)	Input(C)	Output(F)
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0



## 7. F + X' + Y'Z

Input(X)	Input(Y)	Input(Z)	Output(F)
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1

