Aisha Muhammad Nawaz (BScs) 201-0921 DLD Section 2 E2 LABS

Ourstion 1 Implement 4x1 muse using one 2x4 decoder, four ANDs and three OR gate.

 $2^n = 4 = 2$  n = 2 (Select likes)

truth tuble

1 274 choder

4 ANDS

3 OR

4 ANDS

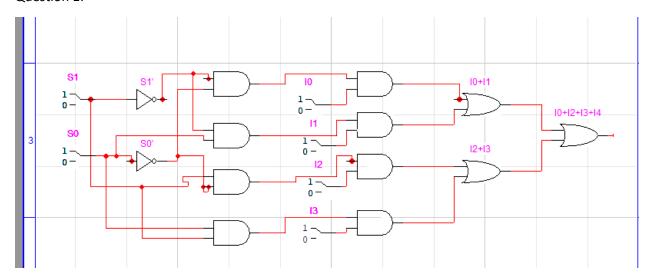
Implementation done on logic buooks!

Implement the following function using 4x1 muse. Questim 2 F(x, y, 2) = m1 + m2+m6+m7 (2) = 9 X / Z 0 7 6 0007 0107

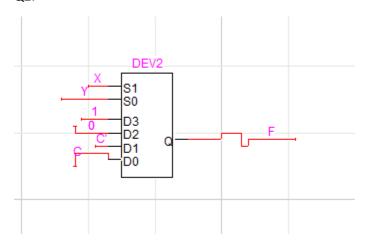
aushim 3 A, Ao and B, Bo are 2 bit numbers A6 22 An BO B, λ A1 B6 A6 B6 AOB, AB, Ao Bo AIBOTA OBI 02 P6 = A6 BO P1= A1 B+ AB1 P2 - D1 B1 +C1 P3 = C2 AOBO A) Bo

Scanned with CamScanner

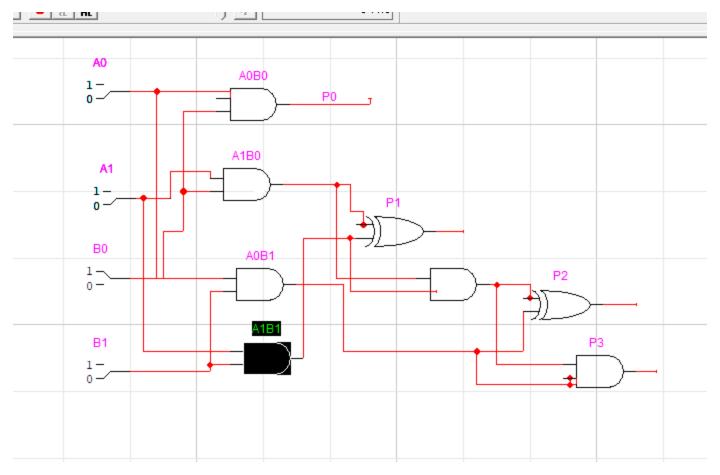
## Question 1:



Q2:



Q3:



Q4:

