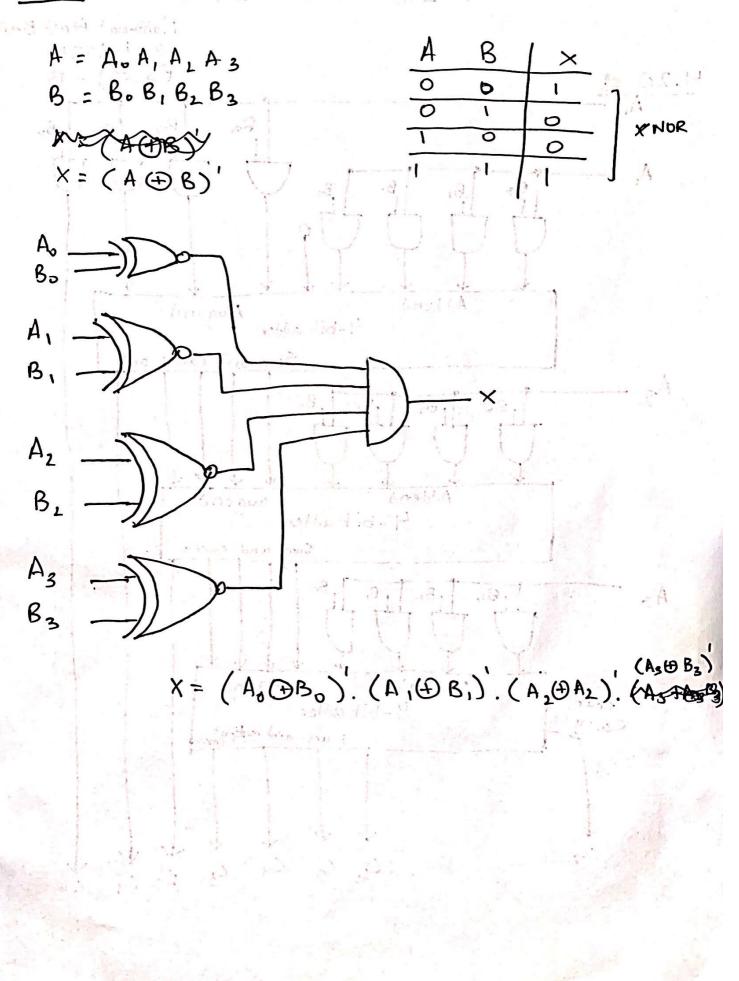
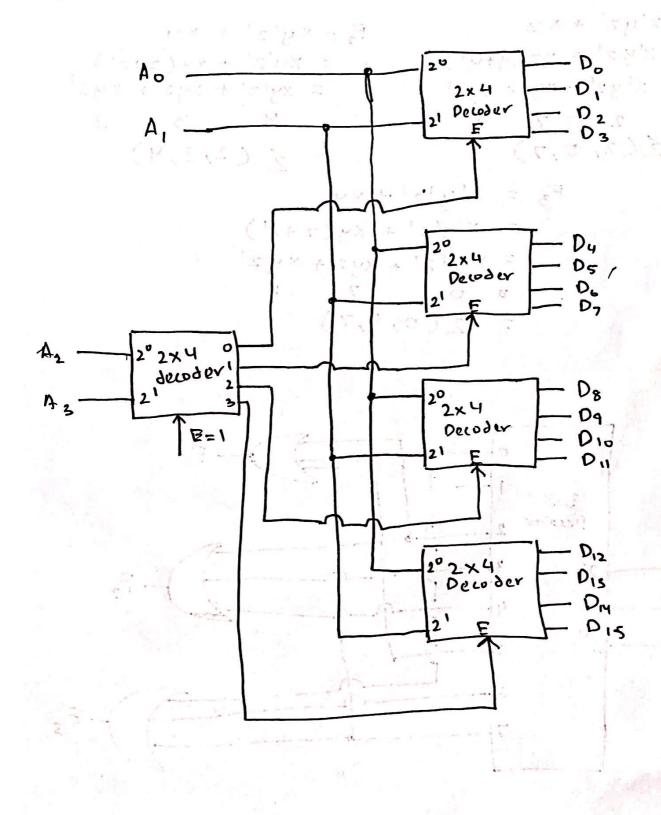
D. L.D ASSIGNMENT-3 Muhammad Ahmed Baig 201-1884 BS (cs) - B 4.20 Q Bz BI Addund Augend 4-bit adder Sum and carry out Bo B2 BI augend Addend 4-bitadder Sum and carry Bo Az Bz augend brubba 4-bit adder Carry s um and output corry C3 &2 C1

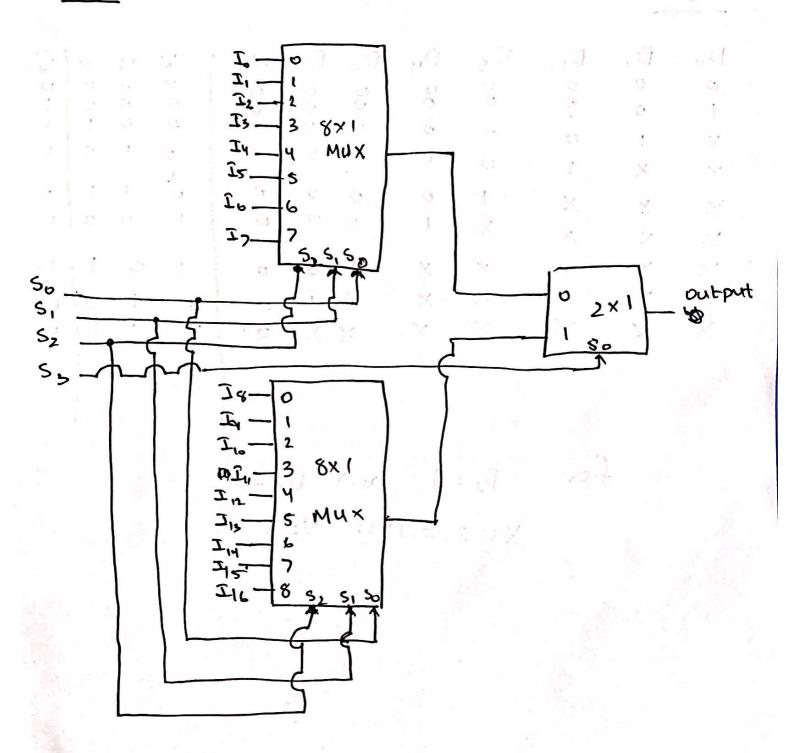


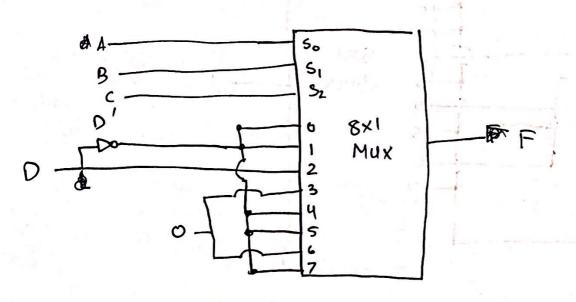


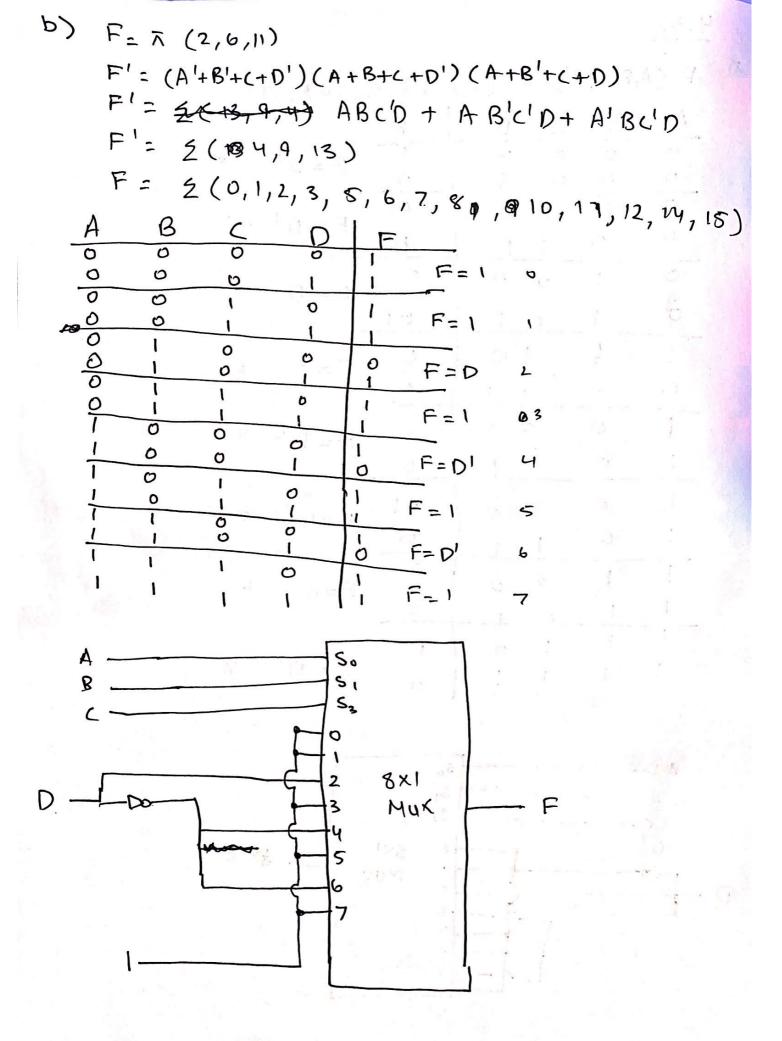
F, = x'42' + x2 F2 = xy'z' + xy = xy'z' + xy(z+z') = x'yz' + xz(y+y') = xy'z' + xyz + xyz' = x'yz' + xyz + xyz' = { (2,3,4) 一至(2,5,7) F3 = x'y'2'+xy = X1y121 + Xy(z+21) = x1y'z' + xy2 + xyz' = 2(0,6,7) 0 1 3×8 Decotor 2 3 6

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for
$$D_2 = 1$$
 and $D_6 = 1$
 $\times y_2 = 110 \quad v = 1$







$\frac{Q}{F_{a}(A,B,C,D)} = \frac{1}{2}$ A B A B B	1000	E (11,), 8		64
A B C D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F0-0-1-00 0	AB=00 F=D AB=01 F=(C+B)'	5)0	4000000000
	800	AB=10 F=CD AB=11 F=1	3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4x1 Mux	F		

