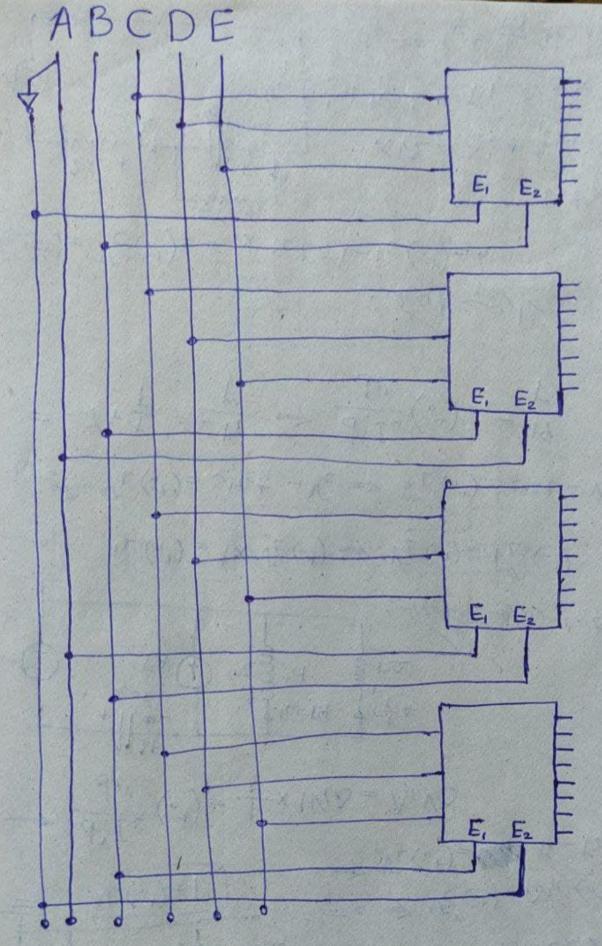
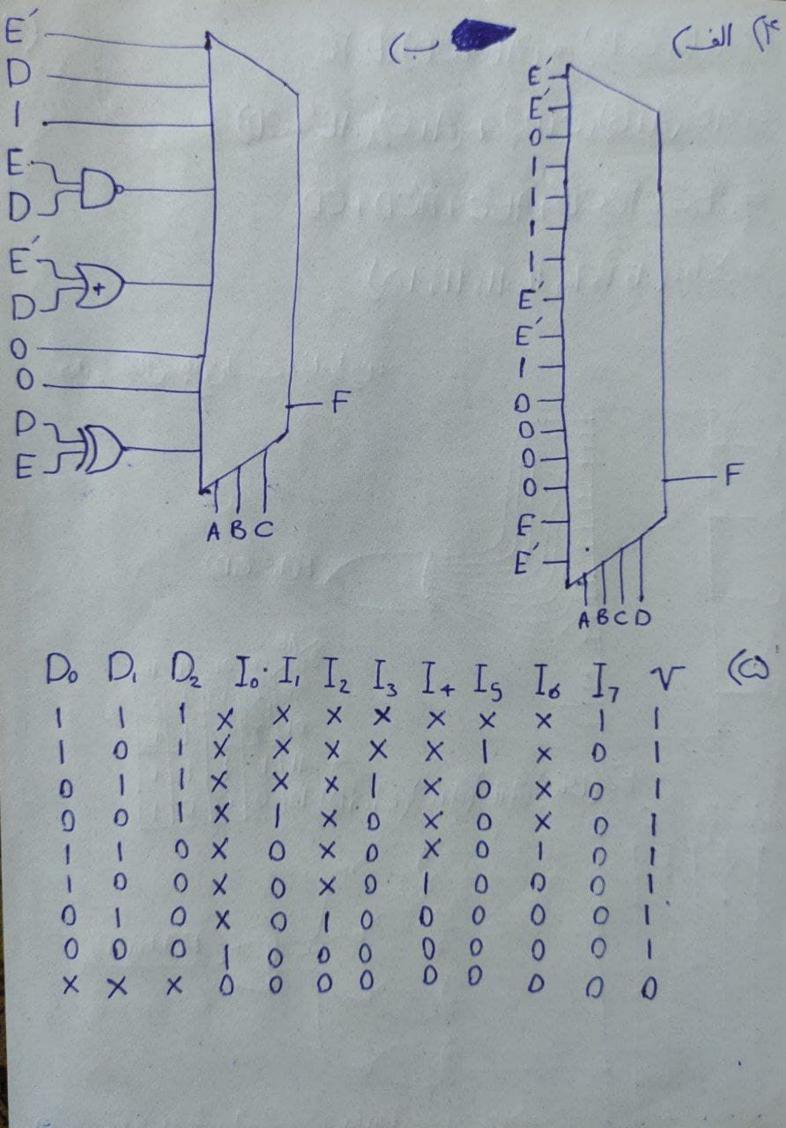
تمرين ٢ مدارهاي سنطقي



 $f(a,b,c) = m_2 + m_4 + m_5$ (F' = a'bc' + ab'c' + ab'c = a'bc' + ab'(c+c') = a'bc' + ab



$$F(A,B,C,D) = (AB'+CD) \oplus AC'$$

$$= AC'(A'+B)(C'+D') + (A'+C)(AB'+CD)$$

$$= ABC'+ABC'D'+AB'C + ACD + CD$$

$$= Em(F,V,I_0,II,IF,IF,IA)$$

$$F(A,B,C,D)$$

c)
$$1101$$

$$\frac{-1010}{-0011}$$

$$\frac{-1010}{-0011}$$

$$\frac{-1010}{-100}$$

$$\frac{-1010}{-1001}$$

$$\frac{-1010}{-1001}$$

$$\frac{-1010}{-1001}$$

$$f_0 = D_0 D_0$$
, $f_2 = D_2 D_3$, $f_4 = D_0 D_5$, $f_6 = D_1 D_4$ (1.)
 $f_1 = D_3 D_8$, $f_3 = D_5 D_6$, $f_5 = D_2 D_8$, $f_7 = D_1 \oplus D_4$

