

(U)	Hongh	1
رط	Do	
ر4)	07	
(d)	High	

Ē ₁	\bar{E}_2	E ₃		Outputs	
0 1 X X	0 X 1 X	1 X X 0		Respond to input code A ₂ A ₁ A ₀ Disabled – all HIGH Disabled – all HIGH Disabled – all HIGH	
(b)					

9-2
$$64=26$$

Lapates are 6 , output are 64

9-3 A) $E_1 = \overline{E_2} = 0$ $E_3 = 1$ A2A1A0=11D

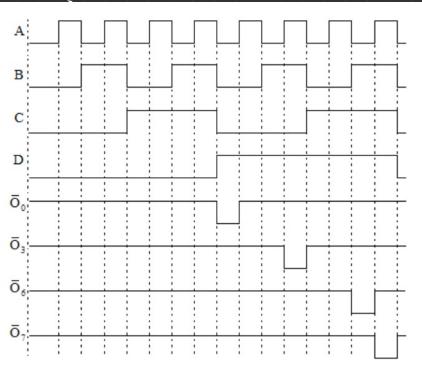
b) $E_1 = \overline{E_2} = 0$ $E_3 = 1$ A2A1A0=011

(d) No solution.

$$\overline{O_0} = t8 - t9 = 0$$
 $\overline{O_3} = -t_{11} - t_{12} = 0$

$$\overline{O_6} = t_{14} - t_{15} = 0$$

$$\overline{O_7} = t_{15} - t_{26} = 0$$

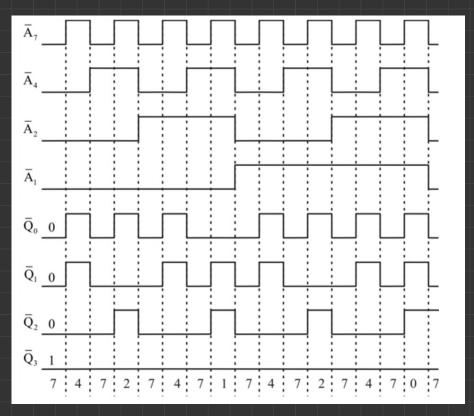


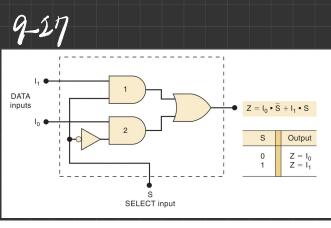
9-13, en encoder 16, envoder, 16, de voder

9-14

	\bar{A}_1	\bar{A}_2	\bar{A}_3	\bar{A}_{4}	\bar{A}_{5}	\bar{A}_{6}	\bar{A}_7	\bar{A}_{8}	\bar{A}_9	\bar{O}_3	Ō ₂	Ō ₁	\bar{O}_{0}
\bar{A}_1 \bar{A}_2 \bar{A}_2 \bar{A}_3	1 X X X X X X X X X X X X X X X X X X X	1 X X X X X X X X X X X X X X X X X X X	1 X X X X X X X	1 X X X X X X 1	1 X X X X 0 1 1	1 X X X 0 1 1 1	1 X X 0 1 1 1 1 1	1 X 0 1 1 1 1 1	1 0 1 1 1 1 1 1	1 0 0 1 1 1 1 1	1 1 1 0 0 0 0 0	1 1 1 0 0 1 1 1 0	1 0 1 0 1 0 1 0
Nine Inverted inputs BCD	0	1	1	1	1	1 X =	either (1) or 1	1	1	1	1	

As -> 0111 9-15





9-29
$$z_1 = l_0 \bar{s}_1 + l_1 s_1 \quad z_2 = l_2 \bar{s}_1 + l_3 s_1$$

9-39 (a) encoder, MUX b) MUX, DEMUX Le) MUX of decoder re) elevoder, DEMUX 4) DEMUX

 \overline{E}_{1} ı A_0 ı $A_{\rm l}$ A_2 ī Т ī ı t_0 t_1 t_2 t_3 t_4 t_5 t_6 t_7 t_8 t_9 t_{10} t_{11} t_{12} t_{13} t_{14} t_{15} t_{16}