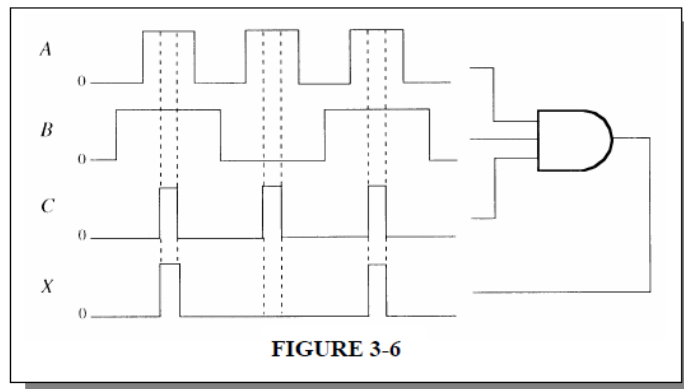


Solutions to Problem Set of chapter 3

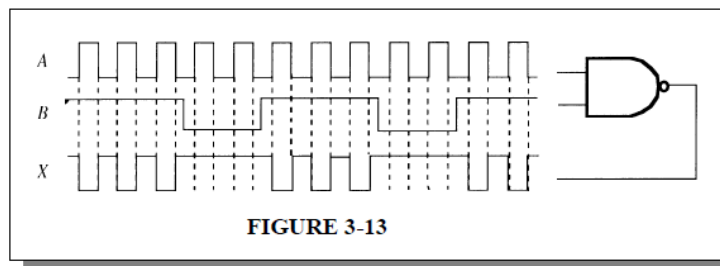
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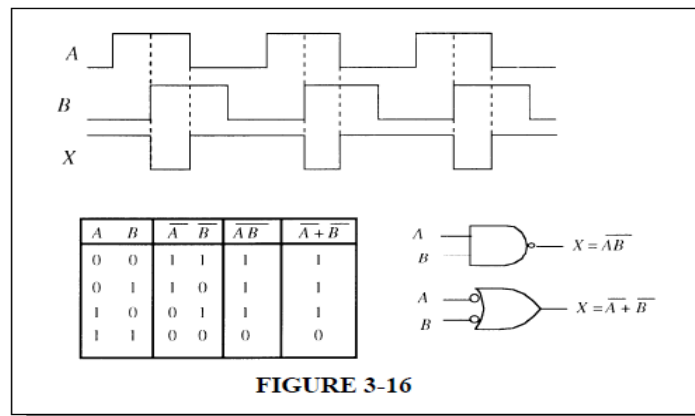
7. See Figure 3-6.



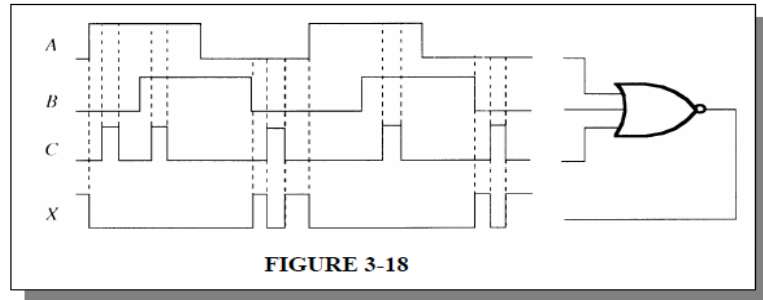
15. See Figure 3-13.



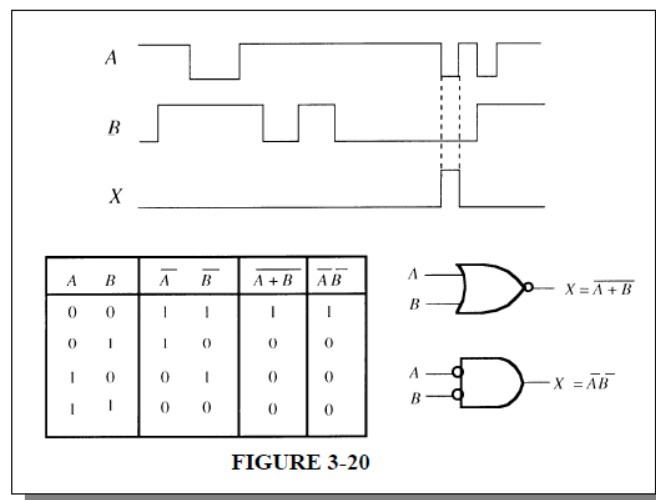
18. See Figure 3-16.



20. See Figure 3-18.



22. See Figure 3-20.



39. $X_1 = \bar{A}B$
 $X_2 = \bar{A}\bar{B}$
 $X_3 = A\bar{B}$

40. $X_1 = \bar{A}BC$
 Row 1: blow A , B , $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 2: blow A , $\bar{A}$, $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 3: blow A , $\bar{A}$, B , $\bar{B}$, and $\bar{C}$ column fuses
 $X_2 = ABC$
 Row 4: blow $\bar{A}$, B , $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 5: blow A , $\bar{A}$, $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 6: blow A , $\bar{A}$, B , $\bar{B}$, and C column fuses
 $X_3 = \bar{A}BC$
 Row 7: blow A , B , $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 8: blow A , $\bar{A}$, $\bar{B}$, C , and $\bar{C}$ column fuses
 Row 9: blow A , $\bar{A}$, B , $\bar{B}$, and C column fuses