In Figure 3–53a, the group made up of adjacent cells nos. 0 and 1 yields the term

$$\bar{A}\bar{B}$$

since the variable C changes, but A and B remain constant and their values are 0. The simplified logic equation for the K-map in Figure 3–53a can now be obtained as

$$P = \bar{B}\bar{C} + \bar{A}\bar{B} + BC \quad \text{Equation (3–46)}$$

In Figure 3–53b, the group made up of adjacent cells nos. 1 and 3 yields the term

$$\bar{A}C$$

since the variable B changes but A and C remain constant at values of 0 and 1, respectively. The simplified logic equation for the K-map in Figure 3–53b can now be obtained as

$$P = \bar{B}\bar{C} + \bar{A}C + BC \quad \text{Equation (3–47)}$$

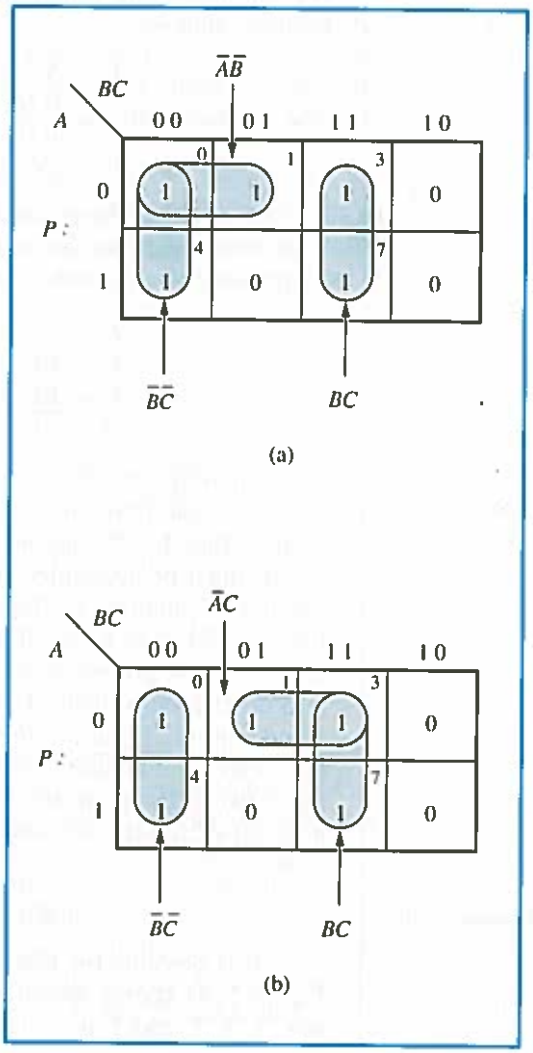

Figure 3–53
Groups of two adjacent 1-cells.