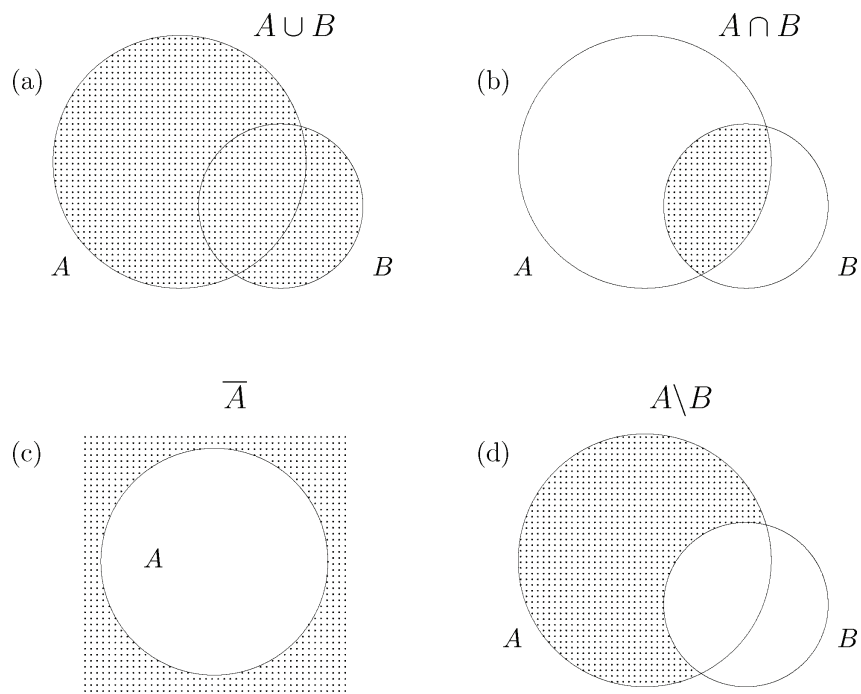


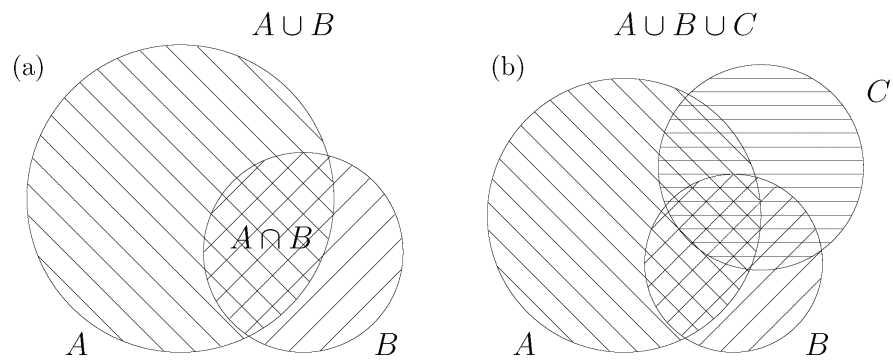
**FIGURE 2.1**

*Venn diagrams for (a) union, (b) intersection, (c) complement, and (d) difference of events.*



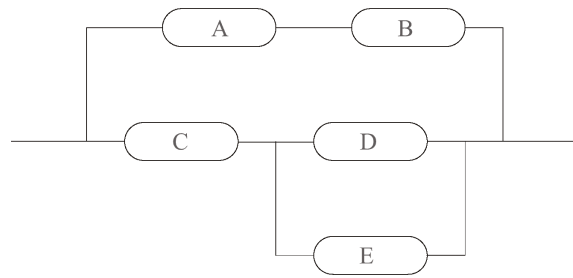
**FIGURE 2.2**

*(a) Union of two events. (b) Union of three events.*



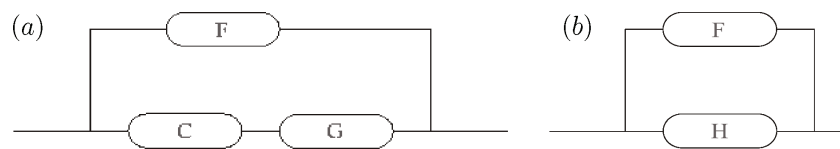
**FIGURE 2.3**

*Calculate reliability of this system (Example 2.20).*



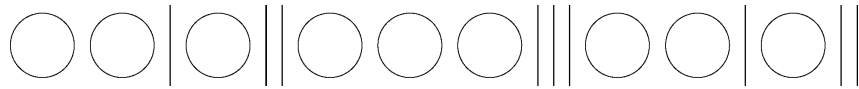
**FIGURE 2.4**

*Step by step solution of a system reliability problem.*



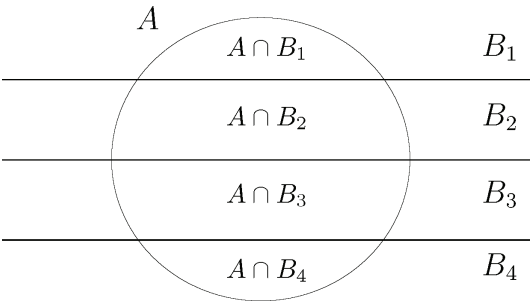
**FIGURE 2.5**

*Counting combinations with replacement. Vertical bars separate different classes of items.*



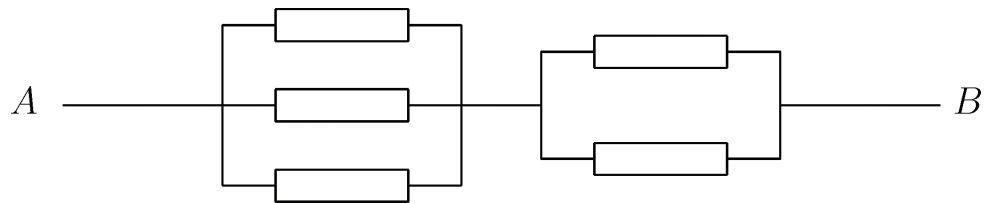
**FIGURE 2.6**

*Partition of the sample space  $\Omega$  and the event  $A$ .*



**FIGURE 2.7**

*Calculate reliability of this system (Exercise 2.21).*



**FIGURE 2.8**

*Calculate reliability of each system (Exercise 2.23)*

