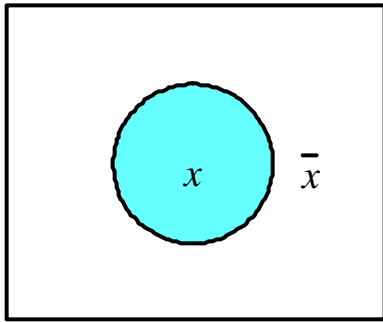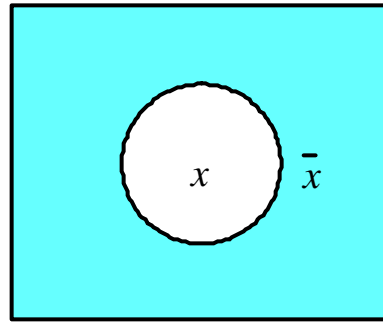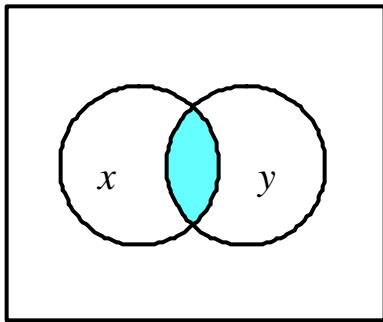(a) Constant 1

(b) Constant 0
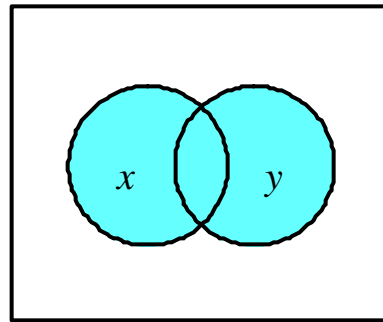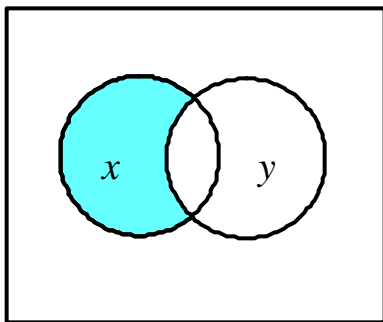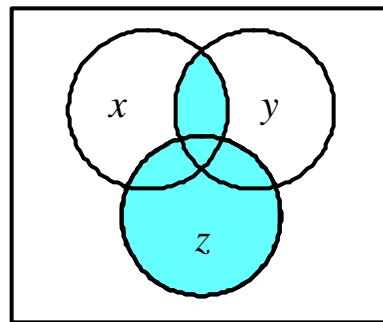
(c) Variable x

(d) $\bar{x}$
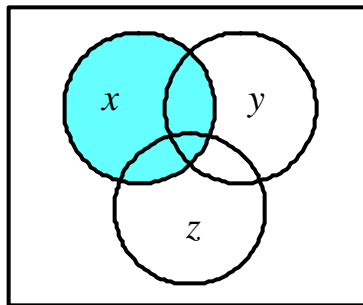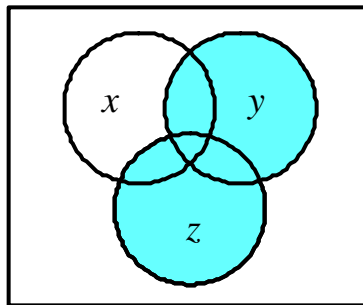
(e) $x \cdot y$

(f) $x + y$
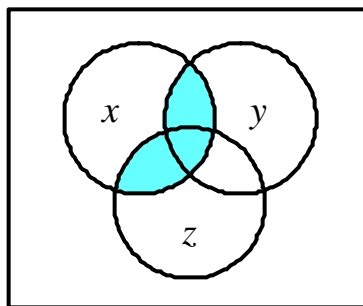
(g) $x \cdot \bar{y}$

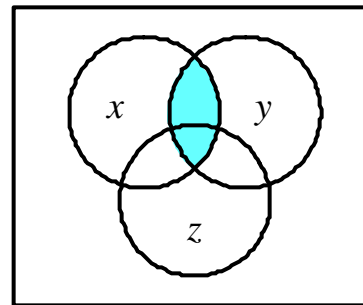(h) $x \cdot y + z$

Figure 2.12 The Venn diagram representation

(a) x
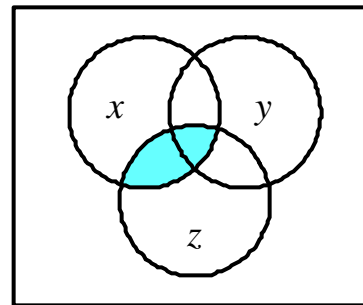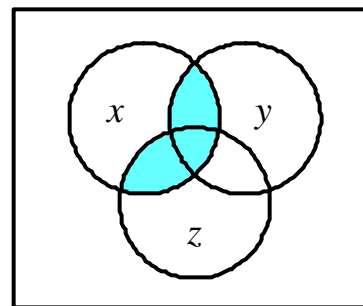
(b) $y + z$

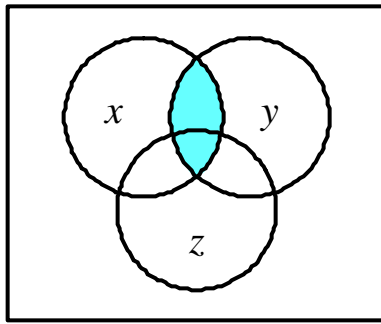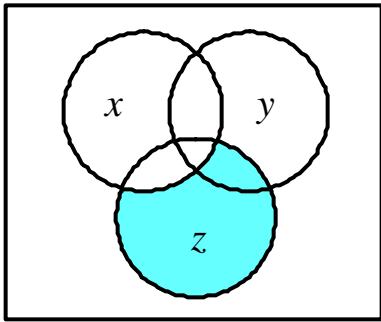(c) $x \cdot (y + z)$

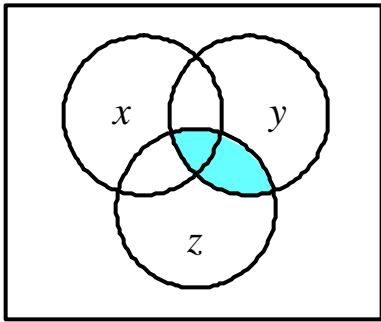(d) $x \cdot y$

(e) $x \cdot z$

(f) $x \cdot y + x \cdot z$

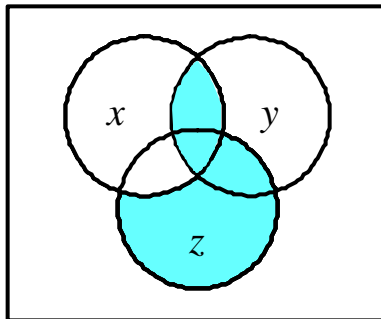Figure 2.13 Verification of the distributive property
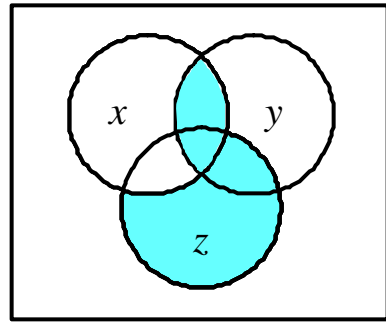
$x \cdot y$

$x \cdot y$

$\bar{x} \cdot z$

$\bar{x} \cdot z$

$y \cdot z$
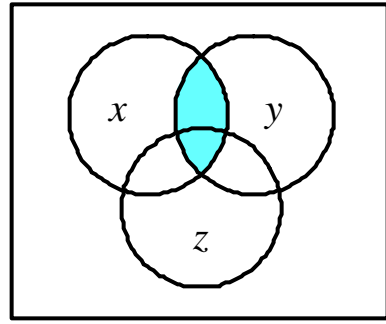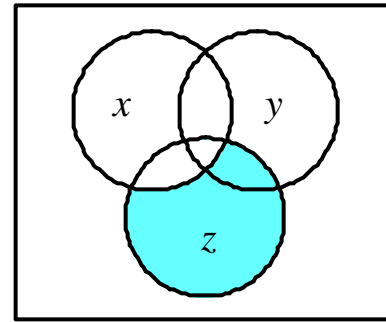
$x \cdot y + \bar{x} \cdot z$

$x \cdot y + \bar{x} \cdot z + y \cdot z$

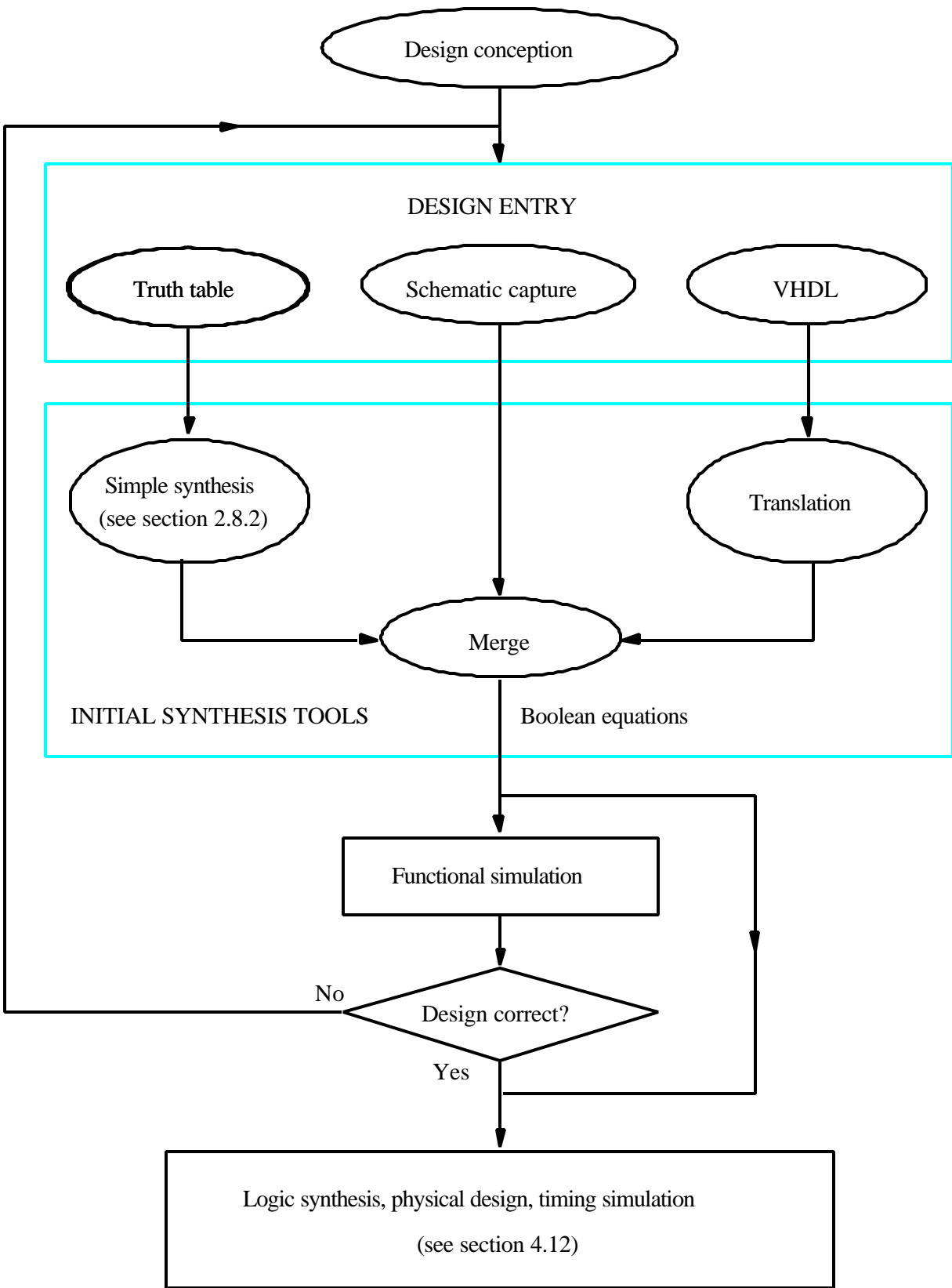Figure 2.14 Verification of $x \cdot y + \bar{x} \cdot z + y \cdot z = x \cdot y + \bar{x} \cdot z$

Figure 2.25 The first stages of a CAD system