

Figure 2.4 Parallel-connected switches

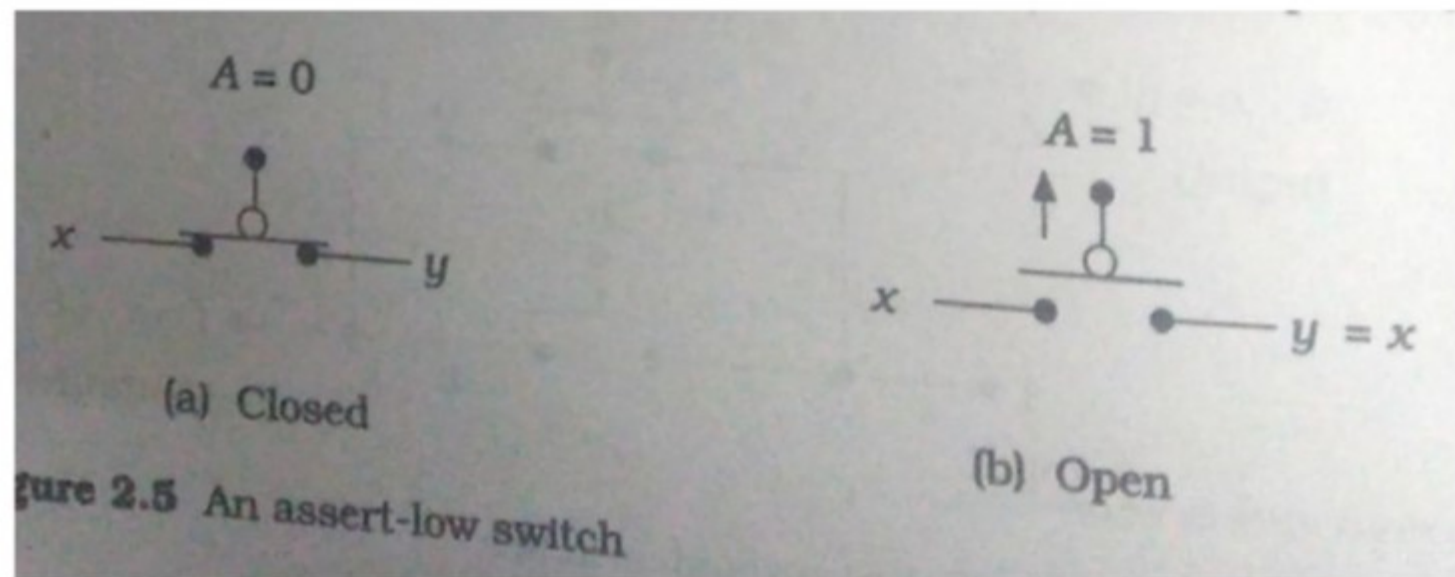
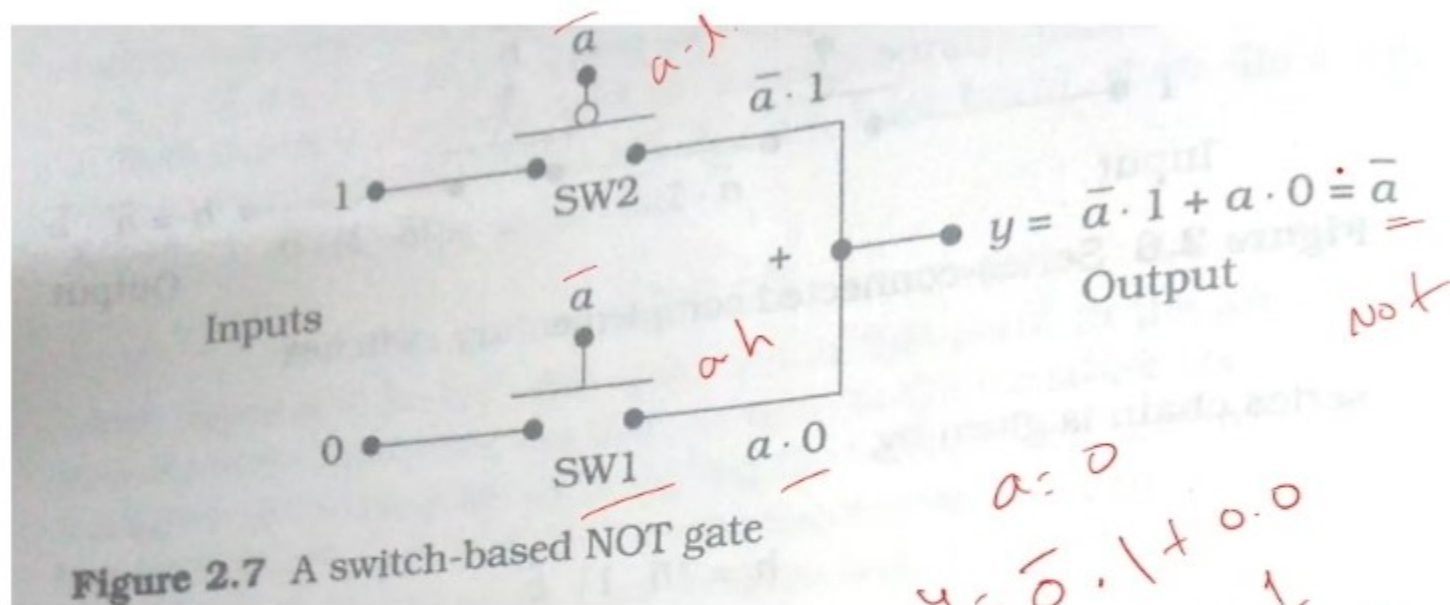


Figure 2.5 An assert-low switch



$a = 0$

$$y = 0 \cdot 1 + 0 \cdot 0 = 0$$

$a = 1$

$$y = 1 \cdot 1 + 1 \cdot 0 = 1$$

$a = 0$

$$y = 0 \cdot 1 + 0 \cdot 0 = 0$$

$a = 1$

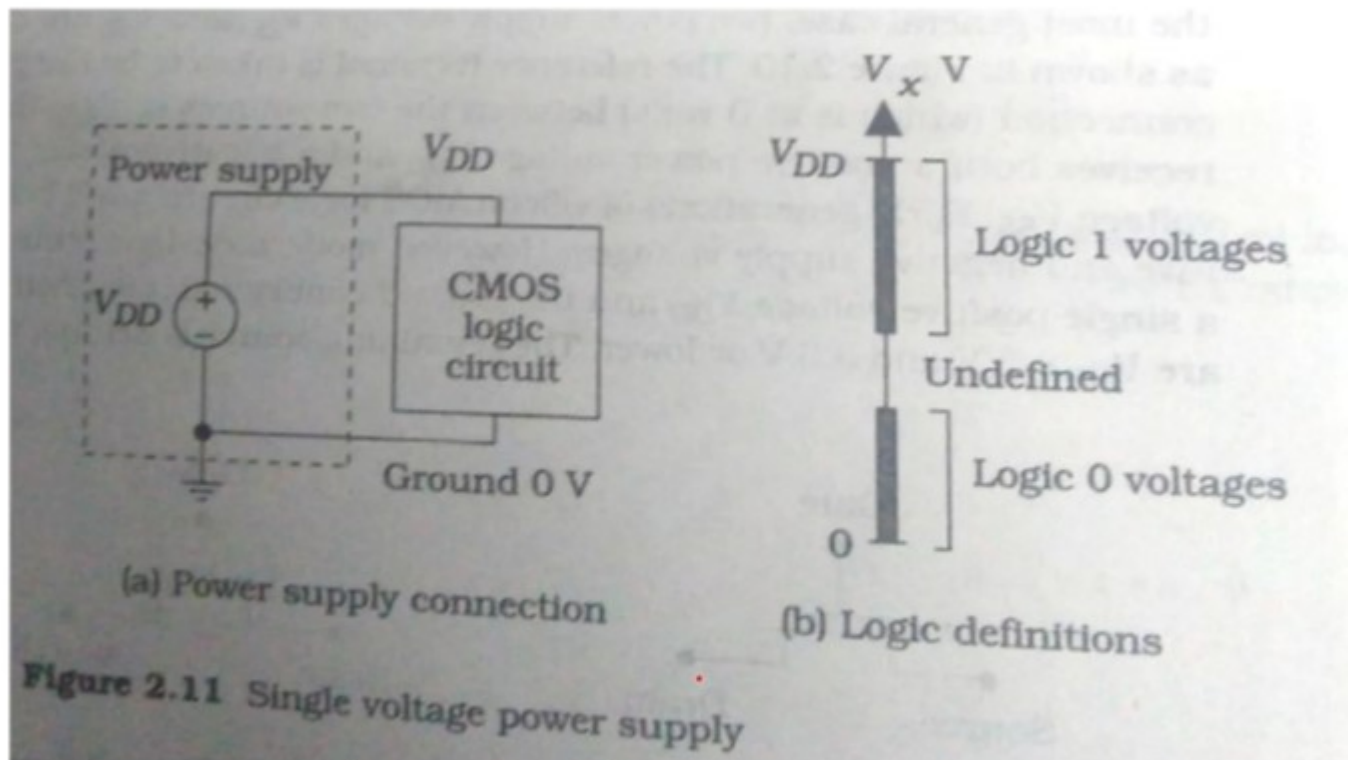
$$y = 1 \cdot 1 + 1 \cdot 0 = 1$$

$a = 0$

$$y = 0 \cdot 1 + 0 \cdot 0 = 0$$

$a = 1$

$$y = 1 \cdot 1 + 1 \cdot 0 = 1$$



logic 0 if 0
 logic 1 if V_{DD}

V_{DD}

