

<code>if (condition) {</code>	<code>code to test the condition and</code>
<code> then_part</code>	<code> set the condition code</code>
<code>} else {</code>	<code>branch to label1 if condition false</code>
<code> else_part</code>	<code>code to perform then_part</code>
<code>}</code>	<code>branch to label2</code>
<code>next statement;</code>	<code>label1: code for else_part</code>
	<code>label2: code for next statement</code>
(a)	(b)

Figure 9.2 (a) An *if-then-else* statement used in a high-level language, and (b) the equivalent assembly language code.