Composition Rule: \( (P) S_1 (Q), (Q) S_2 (R) \)
\[ (P) S_1; S_2 (R) \]

If Statement Rule: \( (P \land B) S (Q), (P \land \neg B) \Rightarrow Q \)
\[ (P) \text{ if} (B) S; (Q) \]

While Statement Rule: \( (I \land B) S (I) \)
\[ (I) \text{ while}(B) S; (I \land \neg B) \]

Rule of Consequence: \( P' \Rightarrow P, (P) S (Q), Q \Rightarrow Q' \)
\[ (P') S (Q') \]

Figure 2.3  Inference rules in programming logic \( PL \).