$$\frac{}{\{p\}\textbf{skip}\{p\}}$$

$$\frac{\{p\}c_1\{q\} \quad \{q\}c_2\{r\}}{\{p\}c_1; c_2\{r\}}$$

$$\frac{}{\{p[e/x]\}x := e\{p\}}$$

$$\frac{\{p \wedge b\}c_1\{q\} \quad \{p \wedge \neg b\}c_2\{q\}}{\{p\}\textbf{if } b \textbf{ then } c_1 \textbf{ else } c_2\{q\}}$$

$$\frac{\{p \wedge b\}c\{p\} \quad p \wedge \neg b \Longrightarrow q}{\{p\}\textbf{while } b \textbf{ do } c\{q\}}$$

$$\frac{p' \Longrightarrow p \quad \{p\}c\{q\} \quad q \Longrightarrow q'}{\{p'\}c\{q'\}}$$

$$\frac{\{p_1\}c\{q_1\} \quad \{p_2\}c\{q_2\}}{\{p_1 \wedge p_2\}c\{q_1 \wedge q_2\}}$$

$$\frac{\{p\}c\{q\}}{\{\exists x.\, p\}c\{\exists x.\, q\}}$$

$$\frac{\{p\}c\{q\}}{\{p \wedge r\}c\{q \wedge r\}}$$

if c does not modify the free variables of r