

$$\frac{\{P\} S \{Q\}, P' \Rightarrow P, Q \Rightarrow Q'}{\{P'\} S \{Q'\}}$$

$$\frac{\{P1\} S1 \{P2\}, \{P2\} S2 \{P3\}}{\{P1\} S1; S2 \{P3\}}$$

$$\frac{\{B \text{ and } P\} S1 \{Q\}, \{\text{not } B \text{ and } P\} S2 \{Q\}}{\{P\} \text{ if } B \text{ then } S1 \text{ else } S2 \{Q\}}$$

$$\frac{(I \text{ and } B) S \{I\}}{\{I\} \text{ while } B \text{ do } S \{I \text{ and } (\text{not } B)\}}$$

