

Hoare-Regeln

$$\{A\} \textit{skip} \{A\} \quad \{B[a/X]\} X := a \{B\}$$

$$\frac{\{A\} c_0 \{C\} \quad \{C\} c_1 \{B\}}{\{A\} c_0; c_1 \{B\}}$$

$$\frac{\{A \wedge b\} c_0 \{B\} \quad \{A \wedge \neg b\} c_1 \{B\}}{\{A\} \textit{if } b \textit{ then } c_0 \textit{ else } c_1 \{B\}}$$

$$\frac{\{A \wedge b\} c \{A\}}{\{A\} \textit{while } b \textit{ do } c \{A \wedge \neg b\}}$$

$$\frac{\models A \Rightarrow A' \quad \{A'\} c \{B'\} \quad \models B' \Rightarrow B}{\{A\} c \{B\}}$$