414 Prove that

$$\forall \sigma, \sigma' \cdot t' \ge t \land \text{ if } b \text{ then } P. t := t+1. W \text{ else } ok \text{ fi} \Leftarrow W$$
$$\iff \forall \sigma, \sigma' \cdot \text{ while } b \text{ do } P \text{ od } \Leftarrow W$$

is equivalent to the **while** construction axioms, and hence that construction and induction can be expressed together as

$$\forall \sigma, \sigma' \cdot t' \ge t \land \text{ if } \vec{b} \text{ then } P. \ t := t+1. \ W \text{ else } ok \text{ fi} \Leftarrow W$$
$$= \forall \sigma, \sigma' \cdot \text{ while } b \text{ do } P \text{ od } \Leftarrow W$$

no solution given