

Action Lbl_1

$$\begin{aligned} Lbl_1 \triangleq & \wedge pc = \text{"Lbl_1"} \\ & \wedge \text{IF } x \neq y \\ & \quad \text{THEN } \wedge \text{IF } x < y \\ & \quad \quad \text{THEN } \wedge y' = y - x \\ & \quad \quad \wedge x' = x \\ & \quad \quad \text{ELSE } \wedge x' = x - y \\ & \quad \quad \wedge y' = y \\ & \quad \wedge pc' = \text{"Lbl_1"} \\ & \text{ELSE } \wedge pc' = \text{"Done"} \\ & \wedge \text{UNCHANGED } \langle x, y \rangle \end{aligned}$$

CLOSE