

Synthesized solution for benchmark 01loopevent.c

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solution
├─ (Partial), cond  $c_{16} : a > 5$ 
│   └─  $\left\{ \begin{array}{l} \text{Case } \neg c_{16} : \\ k_1 = ((a_5 \vee b_6) \cdot E_{()} = \text{eventA}(); \cdot I_i = i + i, ? \quad 1; \cdot J_j = j + i, ? \quad 1;) * (\neg a_5 \wedge \neg b_6) \\ k_2 = ((a_{13} \vee b_{14}) \cdot D_a = i + i, ? \quad j; \cdot E_{()} = \text{eventA}(); \cdot I_i = i + i, ? \quad 1; \cdot J_j = j + i, ? \quad 1; \cdot (c_{16} \cdot E_{()} = \text{eventA}(); + \neg c_{16} \cdot 1)) * (\neg a_{13} \wedge \neg b_{14}) \end{array} \right.$ 
└─ AComplete
    └─  $\left\{ \begin{array}{l} \text{Axioms} : \{D = 1\} \\ k_1 = ((a_5 \vee b_6) \cdot E_{()} = \text{eventA}(); \cdot I_i = i + i, ? \quad 1; \cdot J_j = j + i, ? \quad 1;) * (\neg a_5 \wedge \neg b_6) \\ k_2 = ((a_{13} \vee b_{14}) \cdot D_a = i + i, ? \quad j; \cdot E_{()} = \text{eventA}(); \cdot I_i = i + i, ? \quad 1; \cdot J_j = j + i, ? \quad 1; \cdot 1 \cdot 1) * (\neg a_{13} \wedge \neg b_{14}) \end{array} \right.$ 

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Remaining 65 solutions omitted for brevity.