

Synthesized solution for benchmark 01loopevent.c

```

solution
├─ (Partial), cond:  a > 5
├─ {
    Cond :  $\neg c_{16}$ 
     $k_1 = ((a_5 \vee b_6) \cdot () = eventA(); i = i + i, ?1; j = j + i, ?1;) * (\neg a_5 \wedge \neg b_6)$ 
     $k_2 = ((a_{13} \vee b_{14}) \cdot a = i + i, ?j; () = eventA(); i = i + i, ?1; j = j + i, ?1; (c_{16} \cdot () = eventA(); + \neg c_{16} \cdot 1)) * (\neg a_{13} \wedge \neg b_{14})$ 
  }
├─ AComplete
├─ {
    Axioms : {D = 1}
     $k_1 = ((a_5 \vee b_6) \cdot () = eventA(); i = i + i, ?1; j = j + i, ?1;) * (\neg a_5 \wedge \neg b_6)$ 
     $k_2 = ((a_{13} \vee b_{14}) \cdot a = i + i, ?j; () = eventA(); i = i + i, ?1; j = j + i, ?1; 1 \cdot 1) * (\neg a_{13} \wedge \neg b_{14})$ 
  }

```

Remaining 65 solutions omitted for brevity.