Synthesized solution for benchmark `01loopprint.c`

```
solution
└── (Complete), cond c₁₇:  a > 5
```

$Case\, c_{17}:$
$k_1 = ((a_5 \vee b_6) \cdot P_9 \cdot I_8 \cdot J_7) * (\neg a_5 \wedge \neg b_6)$
$k_2 = ((a_{13} \vee b_{14}) \cdot D_{23} \cdot P_{20} \cdot I_{19} \cdot J_{18} \cdot (c_{17} \cdot V_{16} \cdot T_{15} + \neg c_{17} \cdot 1)) * (\neg a_{13} \wedge \neg b_{14})$

```
    └── AComplete
```

$Axioms : \{D = 1, E = 1, G = 1\}$
$k_1 = ((a_5 \vee b_6) \cdot P_9 \cdot I_8 \cdot J_7) * (\neg a_5 \wedge \neg b_6)$
$k_2 = ((a_{13} \vee b_{14}) \cdot D_{23} \cdot P_{20} \cdot I_{19} \cdot J_{18} \cdot 1 \cdot E_{24} \cdot G_{25}) * (\neg a_{13} \wedge \neg b_{14})$

$Case\, \neg c_{17}:$
$k_1 = ((a_5 \vee b_6) \cdot P_9 \cdot I_8 \cdot J_7) * (\neg a_5 \wedge \neg b_6)$
$k_2 = ((a_{13} \vee b_{14}) \cdot D_{23} \cdot P_{20} \cdot I_{19} \cdot J_{18} \cdot (c_{17} \cdot V_{16} \cdot T_{15} + \neg c_{17} \cdot 1)) * (\neg a_{13} \wedge \neg b_{14})$

```
    └── AComplete
```

$Axioms : \{D = 1\}$
$k_1 = ((a_5 \vee b_6) \cdot P_9 \cdot I_8 \cdot J_7) * (\neg a_5 \wedge \neg b_6)$
$k_2 = ((a_{13} \vee b_{14}) \cdot D_{23} \cdot P_{20} \cdot I_{19} \cdot J_{18} \cdot 1 \cdot 1) * (\neg a_{13} \wedge \neg b_{14})$

Remaining 10 solutions ommitted for brevity.