

## Synthesized solution for benchmark 04ident.c

solution  
└─ AComplete  
   └─  $\begin{cases} \text{Axioms} : \{J = 1, K = 1, E = B\} \\ k_1 = P_{18} \cdot (b_{17} \cdot D_{16} + \neg b_{17} \cdot 1) \cdot (c_{15} \cdot L_{14} + \neg c_{15} \cdot 1) \cdot O_{13} \cdot (b_{12} \cdot (a_{11} \cdot J_{35} \cdot E_9 + \neg a_{11} \cdot 1) \cdot D_8 + \neg b_{12} \cdot 1) \cdot C_7 \\ k_2 = P_{33} \cdot (b_{32} \cdot D_{31} + \neg b_{32} \cdot 1) \cdot (c_{30} \cdot L_{29} + \neg c_{30} \cdot 1) \cdot O_{28} \cdot (b_{27} \cdot (a_{26} \cdot K_{36} \cdot B_{24} + \neg a_{26} \cdot 1) \cdot D_{23} + \neg b_{27} \cdot 1) \cdot C_{22} \end{cases}$

*Remaining 4 solutions ommitted for brevity.*