## Synthesized solution for benchmark Olassume.c

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solution (Complete), cond a_5: count <= 4
Case \ a_5: k_1 = D_{\text{count}} = \text{nondet}(); \cdot (a_5 \cdot P() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_5 \\ k_2 = E_{\text{count}} = \text{nondet}(); \cdot 1 \cdot ((a_{11} \land b_{12}) \cdot P() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_{11}
(Complete), \text{ cond } b_{12}: \text{ number} >= 0
Case \ b_{12}: \\ k_1 = D_{\text{count}} = \text{nondet}(); \cdot 1 \cdot ((a_{11} \land b_{12}) \cdot P() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_5 \\ k_2 = E_{\text{count}} = \text{nondet}(); \cdot 1 \cdot ((a_{11} \land b_{12}) \cdot P() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_{11}
AComplete
Acomplete
\begin{cases} Case \ \neg a_5: \\ k_1 = D_{\text{count}} = \text{nondet}(); \cdot 1 \cdot 1 \cdot ((a_{11} \land b_{12}) \cdot T() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_{11} \end{cases}
\begin{cases} Case \ \neg a_5: \\ k_1 = D_{\text{count}} = \text{nondet}(); \cdot (a_5 \cdot P() = \text{printf}(\text{count}); \cdot C_{\text{count}} = \text{count} + \text{i.,? } 1;) * \neg a_{11} \end{cases}
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Remaining 42 solutions ommitted for brevity.