

Synthesized solution for benchmark 04ident.c

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solution
└─ AComplete
   └─ 
$$\left\{ \begin{array}{l} \textit{Axioms} : \{J = 1, K = 1, E = B\} \\ k_1 = P_{\text{err}} = \text{copyin}(\text{uap\_alen}, \text{len}); \cdot (b_{\text{err}} > 0 \cdot D() = \text{fdrop}(\text{fp}, \text{p}); + \neg b_{\text{err}} > 0 \cdot 1) \cdot (c_{\text{sa\_len}} < \text{len} \cdot L_{\text{len}} = \text{sa\_len}; + \neg c_{\text{sa\_len}} < \text{len} \cdot 1) \cdot O_{\text{err}} = \text{copyout}(\text{sa}, \text{uap\_asa}, \text{len}); \\ (b_{\text{err}} > 0 \cdot (a_{\text{sa}} > 0 \cdot J_{\text{fv\_1}} = 42; \cdot E() = \text{free}(\text{sa}, \text{fv\_1}); + \neg a_{\text{sa}} > 0 \cdot 1) \cdot D() = \text{fdrop}(\text{fp}, \text{p}); + \neg b_{\text{err}} > 0 \cdot 1) \cdot C_{\text{err}} = \text{copyout}(\text{len}, \text{uap\_alen}, \text{sizeof\_len}); \\ k_2 = P_{\text{err}} = \text{copyin}(\text{uap\_alen}, \text{len}); \cdot (b_{\text{err}} > 0 \cdot D() = \text{fdrop}(\text{fp}, \text{p}); + \neg b_{\text{err}} > 0 \cdot 1) \cdot (c_{\text{sa\_len}} < \text{len} \cdot L_{\text{len}} = \text{sa\_len}; + \neg c_{\text{sa\_len}} < \text{len} \cdot 1) \cdot O_{\text{err}} = \text{copyout}(\text{sa}, \text{uap\_asa}, \text{len}); \\ (b_{\text{err}} > 0 \cdot (a_{\text{sa}} > 0 \cdot K_{\text{fv\_2}} = 42; \cdot B() = \text{free}(\text{sa}, \text{fv\_2}); + \neg a_{\text{sa}} > 0 \cdot 1) \cdot D() = \text{fdrop}(\text{fp}, \text{p}); + \neg b_{\text{err}} > 0 \cdot 1) \cdot C_{\text{err}} = \text{copyout}(\text{len}, \text{uap\_alen}, \text{sizeof\_len}); \end{array} \right.$$

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Remaining 4 solutions ommitted for brevity.