

Synthesized solution for benchmark 04ident.c

solution
 \vdash AComplete
 \vdash $\left\{ \begin{array}{l} \text{Axioms : } \{J = 1, K = 1, E = B\} \\ k_1 = \text{err} = \text{copyin}(\text{uap_alen}, \text{len}); \{b_{17} \cdot () = \text{fdrop}(fp, p); +\neg b_{17} \cdot 1\} \cdot (c_{15} \cdot \text{len} = \text{sa_len}; +\neg c_{15} \cdot 1) \\ \text{err} = \text{copyout}(\text{sa}, \text{uap_asa}, \text{len}); \{b_{12} \cdot (a_{11} \cdot fv_1 = 42; () = \text{free}(\text{sa}, fv_1); +\neg a_{11} \cdot 1) \cdot () = \text{fdrop}(fp, p); +\neg b_{12} \cdot 1\} \\ \text{err} = \text{copyout}(\text{len}, \text{uap_alen}, \text{sizeof_len}); \\ k_2 = \text{err} = \text{copyin}(\text{uap_alen}, \text{len}); \{b_{32} \cdot () = \text{fdrop}(fp, p); +\neg b_{32} \cdot 1\} \cdot (c_{30} \cdot \text{len} = \text{sa_len}; +\neg c_{30} \cdot 1) \\ \text{err} = \text{copyout}(\text{sa}, \text{uap_asa}, \text{len}); \{b_{27} \cdot (a_{26} \cdot fv_2 = 42; () = \text{free}(\text{sa}, fv_2); +\neg a_{26} \cdot 1) \cdot () = \text{fdrop}(fp, p); +\neg b_{27} \cdot 1\} \\ \text{err} = \text{copyout}(\text{len}, \text{uap_alen}, \text{sizeof_len}); \end{array} \right.$

Remaining 4 solutions ommitted for brevity.