## Synthesized solution for benchmark O3syscalls.c

```
solution

(Complete), cond b_{28}: x = 0

Case b_{28}:
k_1 = K_{1} \times I_{1} = 1000; \cdot L_{c} = array\_alloc(fv_1); \cdot (b_{15} \cdot P_{1}v_2 = 1; \cdot W() = show(fv_2); + \neg b_{15} \cdot 1) \cdot G_{b} = getchar(); \cdot ((a_{21} \land c_{22}) \cdot Y() = array\_write(c, b); \cdot B_{b} = b - i, ? 1;) * \neg a_{9} \cdot A_{r} = array\_read(c);
k_2 = T_{a} = nondet(); \cdot M_{c} = array\_alloc(a); \cdot (b_{28} \cdot P_{1}v_3 = 2; \cdot O() = show(fv_3); + \neg b_{28} \cdot 1) \cdot G_{b} = getchar(); \cdot ((a_{21} \land c_{22}) \cdot Y() = array\_write(c, b); \cdot B_{b} = b - i, ? 1;) * (\neg a_{21} \lor \neg c_{22}) \cdot A_{r} = array\_read(c);
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Remaining 154 solutions ommitted for brevity.