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--
-- ----- PROOF -----
-- Length of proof is 3 . Level of proof is 2 .
-- 3 [ ] c3oc1Uc2oc1≠c2oc1
-- 13 [ ] x~=x
-- 19 [ ] (xUy)oz=xozUyoz
-- 21 , 20 [ copy , 19 , flip . 1 ] xoyUzoy=(xUz)oy
-- 23 , 22 [ ] c3Uc2=c2
-- 24 [ back_demod , 3 , demod , 21 , 23 ] c2oc1≠c2oc1
-- 32 [ para_into , 13 . 1 . 1 , 13 . 1 . 1 ] x=x
-- 33 [ binary , 32 . 1 , 24 . 1 ] F
-- ----- end of proof -----

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-- Search stopped by max_proofs option .

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-- == == == == == == == == == == == end of search == == == == == == ==

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-- ----- statistics -----

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-- clauses given 2
-- clauses generated 11
-- clauses kept 21
-- clauses forward subsumed 6
-- clauses back subsumed 0
-- Kbytes malloced 127
--
-- ----- times ( seconds ) -----
-- user CPU time 0 . 22 ( 0 hr , 0 min , 0 sec )
-- system CPU time 0 . 0 ( 0 hr , 0 min , 0 sec )
-- wall - clock time 0 ( 0 hr , 0 min , 0 sec )
```