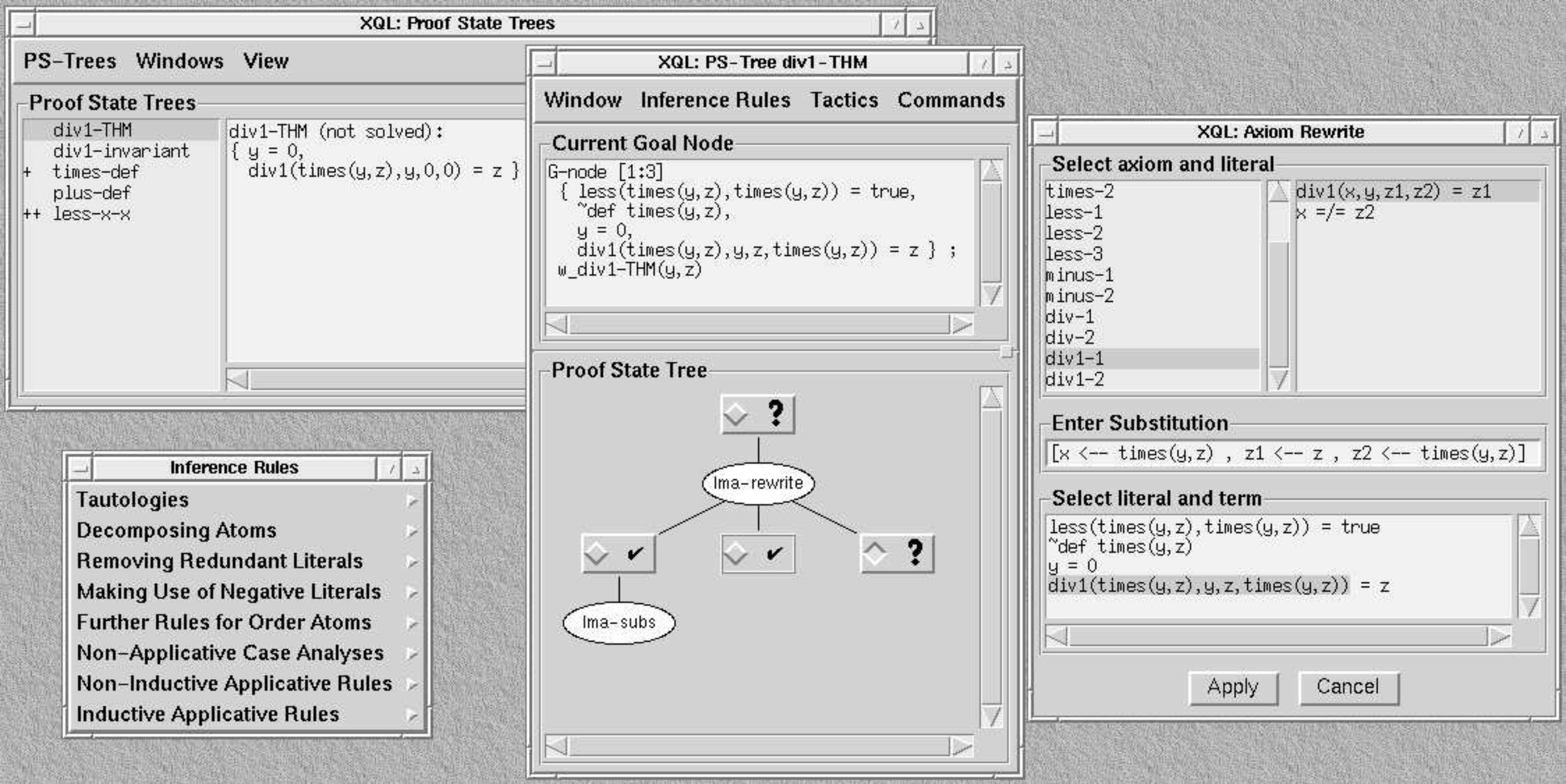
XQL: Proof State Trees
PS-Trees Windows View
Proof State Trees
div1-THM
div1-invariant
+ times-def
plus-def
++ less-x-x
div1-THM (not solved):
{ y = 0,
div1(times(y,z),y,0,0) = z }
XQL: PS-Tree div1-THM
Window Inference Rules Tactics Commands
Current Goal Node
G-node [1:3]
{ less(times(y,z),times(y,z)) = true,
~def times(y,z),
y = 0,
div1(times(y,z),y,z,times(y,z)) = z } ;
w_div1-THM(y,z)
Proof State Tree
lma-rewrite
lma-subs
XQL: Axiom Rewrite
Select axiom and literal
times-2
less-1
less-2
less-3
minus-1
minus-2
div-1
div-2
div1-1
div1-2
div1(x,y,z1,z2) = z1
x =/= z2
Enter Substitution
[x <-- times(y,z) , z1 <-- z , z2 <-- times(y,z)]
Select literal and term
less(times(y,z),times(y,z)) = true
~def times(y,z)
y = 0
div1(times(y,z),y,z,times(y,z)) = z
Apply
Cancel
Inference Rules
Tautologies
Decomposing Atoms
Removing Redundant Literals
Making Use of Negative Literals
Further Rules for Order Atoms
Non-Applicative Case Analyses
Non-Inductive Applicative Rules
Inductive Applicative Rules