```
ts_case_wf  THM

⊢  ∀A:Type, v,op,f,p,t:(Label→A), x:ts().
   ts_case(x)
   var(a)=>v(a)
   var'(b)=>p(b)
   opr(f)=>op(f)
   fvar(y)=>f(y)
   trace(P)=>t(P)
   end_ts_case
   ∈ A
  by Unfold `ts_case` 0 THEN Auto THEN Repeat (
...
....
END
```