Step	Feedback
Theorem subtest3:	1 subgoals
((Tle C2) C1) $\wedge$ ((Tle C1) (tl C2))	Tle C2 C1 $\wedge$ Tle C1 (tl C2)
((Tie O2) O1) // ((Tie O1) (ti O2))	1 subgoals
destruct D2	O
	The C2 C1 $\wedge$ The C1 (th C2)
	H: Tle A C1
	H0: Tle C1 (tl A) ∧ Deq A C1
destruct D3	1 subgoals
	The C2 C1 $\wedge$ The C1 (th C2)
	H: Tle A C1
	$H0: Tle C1 (tl A) \wedge Deq A C1$
	H1: Teq B C2 H2: Deq B C2
destruct H0	1 subgoals
	The C2 C1 $\wedge$ The C1 (th C2)
	H: Tle A C1 H0: Tle C1 (tl A)
	H3 : Deq A C1 H1 : Teq B C2 H2 : Deq B C2
split	2 subgoal Tle C2 C1 Tle C1 (tl C2)
	H: Tle A C1 H0: Tle C1 (tl A)
	H3 : Deq A C1 H1 : Teq B C2 H2 : Deq B C2
intros n	2 subgoal
	$PrL(Str_nthnC2) < PrL(Str_nthnC1)$
	Tle C1 (tl C2)
	H: Tle A C1 H0: Tle C1 (tl A)
	H3: Deq A C1 H1: Teq B C2
	H2 : Deq B C2 n : nat
rewrite ← H1	2 subgoal
	$PrL(Str_nthnB) < PrL(Str_nthnC1)$
	The C1 (th C2)
	H : Tle A C1 H0 : Tle C1 (tl A)
	H3: Deq A C1 H1: Teq B C2
	H2: Deq B C2 n: nat
	2 subgoal
$rewrite \leftarrow D1$	$PrL(Str_nthnA) < PrL(Str_nthnC1)$
	The C1 (th C2) $H \cdot The A C1 H0 \cdot The C1 (th A)$
	H: Tle A C1 H0: Tle C1 (tl A)
	H3: Deq A C1 H1: Teq B C2
	H2: Deq B C2 n: nat
apply H	1 subgoals Tle C1 (tl C2)
	H: Tle A C1 H0: Tle C1 (tl A)
	H3: Deq A C1 H1: Teq B C2
	H2: Deq B C2
intros n	1 subgoals Tle C1 (tl C2)
	1 H: Tle A C1 H0: Tle C1 (tl A)
	H3: Deq A C1 H1: Teq B C2
	H2: Deq B C2
	2 subgoal
	$PrL(Str_nthnC1) < PrL(Str_nthn(tlB))$
rewrite $\leftarrow$ D4	Teq B C2
	H: Tle A C1 H0: Tle C1 (tl A)