```
term_mng_nil  THM

⊢  ∀u:Term, te:(Label→Label→𝔹), e,s,a:Top.
   [[u]] e s a mk_trace_env(nil, te) ∼ [[u]] e s a niltrace()
  by D 0 THENA Auto THEN TermInd 1 THEN Reduce 0

        THEN UnivCD THENA Auto
   THEN Try (Complete Auto)

     ...
   THEN Try (EqCD THEN BackThruSomeHyp THEN Complete Auto)

END
```