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graphobj-properties  THM

⊢  For any graph
   ∀the_obj:GraphObject(the_graph).
   (∀x,y:V. the_obj.eq(x,y) ⟺ x = y)
   & (∀T:Type, s:T, x:V, f:(T→V→T).
      ∃L:V List.
      (∀y:V. x-the_graph->y ⟺ (y ∈ L))
      & the_obj.eacc(f,s,x) = list_accum(s',x'.f(s',x');s;L))
   & (∀T:Type, s:T, f:(T→V→T).
      ∃L:V List.
      no_repeats(V;L)
      & (∀y:V. (y ∈ L))
      & the_obj.vacc(f,s) = list_accum(s',x'.f(s',x');s;L))
  by (RepeatFor 2 (Analyze 0)) THEN (RepeatFor 6 (Analyze -1))
     THEN
     (Reduce 0)
     THEN
     (RepeatFor 2 ((Analyze 0) THEN (Try Trivial)))
END
```