```
trivial_map  THM

⊢  ∀T:Type, a:T List, f:(T→T).
|  (∀x:T. (x ∈ a) ⇒ f(x) = x) ⇒ map(f;a) = a
| by Auto THEN Assert map(f;a) = map(Id;a)
|
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| .....assertion .....
| 1. T : Type
| 2. a : T List
| 3. f : T→T
| 4. ∀x:T. (x ∈ a) ⇒ f(x) = x
| ⊢  map(f;a) = map(Id;a)  by BackThruLemma ‘map_equal2‘ THEN Auto
| |
| 1. T : Type
| 2. a : T List
| 3. f : T→T
| 4. ∀x:T. (x ∈ a) ⇒ f(x) = x
| 5. x : T
| 6. (x ∈ a)
| ⊢  f(x) = Id(x)  by Reduce 0 THEN EasyHyp
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|
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. ...
END
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