```
injection_type_injection  THM

⊢  ∀A,B:Type, f:(A inj→ B). Inj(A; B; f)  by Def of A inj→ B
|
1. A : Type
2. B : Type
3. f : {f:(A→B)| Inj(A; B; f) }
⊢  Inj(A; B; f)  by Analyze-1 THEN Unhide
END
```