```
injtype_vs_inj  THM

⊢  ∀A,B:Type. (∃∈(A inj→ B)) ⟺ (∃f:(A→B). Inj(A; B; f))
| by Def of A inj→ B THEN UnivCD
|
1. A : Type
2. B : Type
⊢  (∃∈{f:(A→B)| Inj(A; B; f) }) ⟺ (∃f:(A→B). Inj(A; B; f))
| by Analyze
|
|\
| 3. ∃∈{f:(A→B)| Inj(A; B; f) }
| ⊢  ∃f:(A→B). Inj(A; B; f)  by SimilarTo: Hyp:-1
| |
| 3. f : {f:(A→B)| Inj(A; B; f) }
| ⊢  Inj(A; B; f)  by Analyze-1 THEN Unhide
|
.\
. 3. ∃f:(A→B). Inj(A; B; f)
. ⊢  ∃∈{f:(A→B)| Inj(A; B; f) }  by SimilarTo Hyp:-1
END
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