```
card_nat_vs_nat_nat  THM

⊢  (ℕ×ℕ) ∼ ℕ
| by BackThru:
|    Thm*  (∃f:(A→B). Bij(A; B; f)) ⟺ (B ∼ A)
|    {bij_iff_1_1_corr_version2a}
|
⊢  ∃f:(ℕ→ℕ×ℕ). Bij(ℕ; ℕ×ℕ; f)  by Witness: nat_to_nat_pair
|
⊢  Bij(ℕ; ℕ×ℕ; nat_to_nat_pair)
  by Thm*  Bij(ℕ; ℕ×ℕ; nat_to_nat_pair)    {nat_to_nat_pair_bij}
     Asserted
END
```