```
geom_n_unique  THM

⊢  ∀q:ℕ+, n:ℕ, i:ℕ+, r1:ℕ(q↑n), r2:ℕ(q↑n+i).
|  Σ(q↑n⁻)+r1 = Σ(q↑n+i⁻)+r2 ⇒ False  by UnivCD
|
1. q : ℕ+
2. n : ℕ
3. i : ℕ+
4. r1 : ℕ(q↑n)
5. r2 : ℕ(q↑n+i)
6. Σ(q↑n⁻)+r1 = Σ(q↑n+i⁻)+r2
⊢  False
| by Inst
|    Thm* ∀q,n:ℕ, i:ℕ+. Σ(q↑n⁻)+(q↑n)≤Σ(q↑n+i⁻)    {geom_speed_lbound}
|    [q;n;i]
|
7. Σ(q↑n⁻)+(q↑n)≤Σ(q↑n+i⁻)
⊢   by Inst Thm* ∀m:ℕ+, n:ℕ. 0<(m↑n)    {exp_non_zero} [q;n]
END
```