```
only_positives_prime_fed  THM

⊢  ∀f:(Primeℕ→ℕ), n:ℕ. f is a factorization of n ⇒ 0<n
| by Def of f is a factorization of n
|
1. f : Primeℕ→ℕ
2. n : ℕ
3. ∀x:Primeℕ. n<x ⇒ f(x) = 0
4. n = Π↑{2..n+1⁻}(prime_mset_complete(f))
⊢  0<n
  by Inst:
     Thm*  ∀a:ℕ⁺, b:ℤ, f:({a..b⁻}→ℕ). Π↑{a..b⁻}(f) ∈ ℕ⁺
     {eval_factorization_nat_plus}
     Using:[2 | n+1 | prime_mset_complete(f)]
END
```