```
fta_mset  THM

⊢  ∀n:{1...}. ∃!f:(Primeℕ→ℕ). f is a factorization of n
| by SimilarTo
|    Thm*  ∀n:{1...}. ∃f:(Primeℕ→ℕ). f is a factorization of n
|    {prime_factorization_exists2}
|
1. n : {1...}
2. f : Primeℕ→ℕ
3. f is a factorization of n
⊢  f is the (Primeℕ→ℕ) s.t. f is a factorization of n
| by Analyze THEN Rename-2: g
|
4. g : Primeℕ→ℕ
5. g is a factorization of n
⊢  g = f
  by Inst:
     Thm*  ∀n:ℕ, f,g:(Primeℕ→ℕ).
           f is a factorization of n
           ⇒
           g is a factorization of n ⇒ f = g
     {prime_factorization_mset_unique}
     Using:[n | f | g]
END
```