```
prime_mset_c_is_prime_f  THM

⊢  ∀f:(Prime ℕ→ℕ), b:ℕ.
|  is_prime_factorization(2; b; prime_mset_complete(f))  by Auto
|
1. f : Prime ℕ→ℕ
2. b : ℕ
⊢  is_prime_factorization(2; b; prime_mset_complete(f))  by Analyze
|
3. i : {2..b⁻}
4. 0<prime_mset_complete(f)(i)
⊢  prime(i)  by Decide: prime(i)
|
5. ¬prime(i)
⊢  prime(i)
  by HypsImpossibleBy
     Inst:
     Thm*  ∀f:(Prime ℕ→ℕ), x:ℕ.
           ¬prime(x) ⇒ prime_mset_complete(f)(x) = 0
     {prime_mset_complete_ismin}
     Using:[f | i]
END
```