```
prime_mset_complete_isext  THM

⊢  ∀f:(Primeℕ→ℕ), x:Primeℕ. prime_mset_complete(f)(x) = f(x)
| by Auto
|
1. f : Primeℕ→ℕ
2. x : Primeℕ
⊢  prime_mset_complete(f)(x) = f(x)
| by Def of prime_mset_complete(<term>) THEN Reduce Concl
|
⊢  if is_prime(x)→ f(x) else 0 fi = f(x)  by SplitOnConclITE
|
.....falsecase .....
3. ¬prime(x)
⊢  0 = f(x)  by HypsImpossibleBy Analyze2
END
```