```
prime_mset_complete_wf  THM

⊢  ∀f:(Prime ℕ→ℕ). prime_mset_complete(f) ∈ ℕ→ℕ
| by Def of prime_mset_complete(<term>)
|
1. f : Prime ℕ→ℕ
2. x : ℕ
⊢  if is_prime(x)→ f(x) else 0 fi ∈ ℕ  by SplitOnConclITE
END
```