```
natprimes_lb  THM

⊢  ∀x:ℕ. prime(x) ⇒ 2≤x
  by Autoℕ
     THEN
     Rewrite-1 by
     Thm*  ∀x:ℕ. prime(x) ⟺ 2≤x & ¬(∃i:{2..x⁻}. i | x)
     {prime_nat} ...ℕ
END
```