```
factor_bound  THM

⊢  ∀k:ℕ+ , n:ℕ, x,y:ℤ. k•x+n = k•y ⇒ x≤y  by Autoℕ
|
1. k : ℕ+
2. n : ℕ
3. x : ℤ
4. y : ℤ
5. k•x+n = k•y
⊢  x≤y
  by BackThru:
     Thm*  ∀a,b:ℤ, n:ℕ+ . n•a≤n•b ⇒ a≤b    {mul_cancel_in_le}
     Using:[n:= k] ...ℕ
END
```