```
nxn_plus_1_ge_0  THM

⊢  ∀n:ℕ. n·n+1 ∈ ℕ  by UnivCD
|
1. n : ℕ
⊢  n·n+1 ∈ ℕ  by Analyze
|
.....set predicate .....
⊢  0≤n·n+1
| by Inst
|    Thm* ∀i1,i2,j1,j2:ℤ. i1≤j1 ⇒ i2≤j2 ⇒ i1+i2≤j1+j2
|    {add_functionality_wrt_le}
|    [0;0;n·n;1]
|
.....antecedent .....
⊢  0≤n·n  by BackThru Thm* ∀a,b:ℕ. 0≤a·b    {mul_bounds_1a}
END
```