```
add_mono_wrt_le  THM

⊢  ∀a,b,n:ℤ. a≤b ⟺ a+n≤b+n  by GenUnivCD
|
|\
| 1. a : ℤ
| 2. b : ℤ
| 3. n : ℤ
| 4. a≤b
| ⊢  a+n≤b+n
|   by Using [‘n’,(-n)]
|      (BackThru Thm* ∀a,b,n:ℤ. a+n≤b+n ⇒ a≤b    {add_cancel_in_le})
|
.\
. 1. a : ℤ
. 2. b : ℤ
. 3. n : ℤ
. 4. a+n≤b+n
. ⊢  a≤b
.   by FwdThru Thm* ∀a,b,n:ℤ. a+n≤b+n ⇒ a≤b    {add_cancel_in_le}
.      [4]
END
```