```
self_divisor_mul  THM

⊢  ∀a:ℤ⁻⁰, b:ℤ. a·b | a ⇒ (b ∼ 1)  by UnivCD
|
1. a : ℤ⁻⁰
2. b : ℤ
3. a·b | a
⊢  b ∼ 1  by Assert ((a·b) ∼ (a·1)) THENA ArithSimp 0
|
|\
| ⊢  (a·b) ∼ a  by Analyze 0 THENL [Trivial;Witness b]
|
.\
. 4. (a·b) ∼ (a·1)
. ⊢  b ∼ 1
.   by FwdThru
.      Thm* ∀a,b:ℤ, n:ℤ⁻⁰. ((n·a) ∼ (n·b)) ⇒ (a ∼ b)
.      {mul_cancel_in_assoced}
.      [4]
END
```