```
eqmod_weakening  THM

⊢  ∀m,a,b:ℤ. a = b ⇒ (a = b mod m)  by Unfold ‘eqmod‘ 0 THEN UnivCD
|
1. m : ℤ
2. a : ℤ
3. b : ℤ
4. a = b
⊢  m | a-b  by (HypSubst 4 0) THEN (ArithSimp 0)
|
⊢  m | 0  by BackThru Thm* ∀b:ℤ. b | 0    {any_divs_zero}
END
```