```
eqmod_inversion  THM

⊢  ∀m,a,b:ℤ. (a = b mod m) ⇒ (b = a mod m)
| by Unfold ‘eqmod‘ 0 THEN UnivCD
|
1. m : ℤ
2. a : ℤ
3. b : ℤ
4. m | a-b
⊢  m | b-a
| by FwdThru Thm* ∀a,b:ℤ. a | b ⇒ a | -b    {divisor_of_minus} [4]
|
5. m | -(a-b)
⊢  m | b-a  by OnMClauses [5;0] ArithSimp
END
```