```
divides_mul  THM

⊢  ∀a,b:ℤ. a | b ⇒ (∀n:ℤ. n•a | n•b)  by UnivCD
|
1. a : ℤ
2. b : ℤ
3. a | b
4. n : ℤ
⊢  n•a | n•b  by OnClauses [3;0] (Unfold ‘divides‘)
|
3. ∃c:ℤ. b = a•c
4. n : ℤ
⊢  ∃c:ℤ. n•b = n•a•c  by Analyze 3
|
3. c : ℤ
4. b = a•c
5. n : ℤ
⊢  ∃c:ℤ. n•b = n•a•c  by Witness c
|
⊢  n•b = n•a•c  by HypSubst 4 0
END
```