```
neg_mul_arg_bounds  THM

⊢  ∀a,b:ℤ. a•b<0 ⟺ a<0 & b>0 ∨ a>0 & b<0
| by Analyze
|    THEN
|    Inst:
|    Thm* ∀a,b:ℤ. a•b>0 ⟺ a>0 & b>0 ∨ a<0 & b<0    pos_mul_arg_bounds
|    Using:[-a]
|
1. a : ℤ
2. ∀b:ℤ. (-a)•b>0 ⟺ -a>0 & b>0 ∨ -a<0 & b<0
⊢  ∀b:ℤ. a•b<0 ⟺ a<0 & b>0 ∨ a>0 & b<0  by SimilarTo: Hyp:-1
END
```