```
trivial_factorization_comp2  THM

⊢  ∀x,y:ℤ. x ≠ y ⇒ trivial_factorization(x)(y) = 0 ∈ ℕ
| by Def of trivial_factorization(<term>) THEN Reduce Concl
|
1. x : ℤ
2. y : ℤ
3. x ≠ y
⊢  if y=₂x→ 1 else 0 fi = 0 ∈ ℕ  by SplitOnConclITE
END
```