```
sfa_doc_fun_noteq_example1  THM

⊢  (λx.x) ≠ (λx.if x<0→ 0 ; x fi) ∈ ℤ→ℤ  by Analyze
|
1. (λx.x) = (λx.if x<0→ 0 ; x fi) ∈ ℤ→ℤ
⊢  False  by ApFun: Hyp:1 to: -1 ∈ ℤ
|
2. -1 = if (-1)<0→ 0 ; -1 fi
⊢  False  by Reduce Hyp:-1
|
2. -1 = 0
⊢  False  by Auto
END
```