```
sfa_doc_simple_existential_2  THM

⊢  ∃x,y:ℤ. x<y & (∃z:ℤ. z<x ∨ y<z)  by Witness: 4 | 6
|
⊢  ∃z:ℤ. z<4 ∨ 6<z  by Witness: -1
|
⊢  -1<4 ∨ 6<-1  by Select: 1
END
```