```
subset_to_squash  THM

⊢  ∀x:{x:A| B(x) }. ↓B(x)  by Auto
|
1. A : Type
2. B : A→Prop
3. x : {x:A| B(x) }
⊢  ↓B(x)  by Analyze-1
|
3. x : A
4. B(x)
⊢  ↓B(x)  by Analyze THEN Hypothesis
END
```