

1 test

- 1: **Show:** $x \subseteq y \wedge \exists u (u \in y \wedge u \notin x) \rightarrow x \subset y$
- 2: **Show:** $x \subset y \dots$ by line 5, 3
- 3: $x \neq y \dots$ by 6, 4, test, section 1
- 4: $x = y \rightarrow \neg \exists u u \in y \wedge u \notin x$
- 5: **Assume:** $x \subseteq y$
- 6: **Assume:** $\exists u (u \in y \wedge u \notin x)$