1: 
$$\exists x. \neg R(x)$$
 premise  
2:  $\forall y. R(y)$  assumption  
3:  $\begin{vmatrix} actual \ i, \neg R(i) \\ ... \\ \bot \end{vmatrix}$  assumptions  
4:  $\bot$   $\exists elim 1,3-4$   
6:  $\neg \forall y. R(y)$   $\neg intro 2-5$