1. $\forall x\ (\text{Cube}(x) \rightarrow \text{Small}(x))$

   2. $\exists x\ \text{Cube}(x)$

      3. $\boxed{a}\ \text{Cube}(a)$

      4. $\text{Cube}(a) \rightarrow \text{Small}(a)$ $\forall$ Elim: 1
      5. $\text{Small}(a)$ $\rightarrow$ Elim: 4, 3
      6. $\exists x\ \text{Small}(x)$ $\exists$ Intro: 5
   7. $\exists x\ \text{Small}(x)$ $\exists$ Elim: 2, 3–6
8. $\exists x\ \text{Cube}(x) \rightarrow \exists x\ \text{Small}(x)$ $\rightarrow$ Intro: 2–7
9. $(\forall x\ (\text{Cube}(x) \rightarrow \text{Small}(x))) \rightarrow$
   $(\exists x\ \text{Cube}(x) \rightarrow \exists x\ \text{Small}(x))$ $\rightarrow$ Intro: 1–8