...

1: $\text{rev}(\text{rev } x) = x$

2: $\text{rev}(\text{rev } x) = \text{id } x$   Fold rewrite,id 1

3: $(\text{rev} \cdot \text{rev})x = \text{id } x$   Fold rewrite,$\cdot$ 2

4: $\text{rev} \cdot \text{rev} = \text{id}$      ext 3