John says “If one of us gets sick, then we all get sick.”. Mary disagrees. She says “If one of us stays well, then we all stay well.”. Settle the argument.

I formalize “x gets sick” as $sick \ x$. I take “x stays well” to be the negation of “x gets sick”. Quantifying over “us”, Mary says

$$
(\exists x \cdot \neg sick \ x) \Rightarrow (\forall x \cdot \neg sick \ x)
$$

quantifier duality twice

$$
\neg(\forall x \cdot sick \ x) \Rightarrow \neg(\exists x \cdot sick \ x)
$$

exclusion

$$
(\exists x \cdot sick \ x) \Rightarrow \neg(\forall x \cdot sick \ x)
$$

double negation

$$
(\exists x \cdot sick \ x) \Rightarrow (\forall x \cdot sick \ x)
$$

and that's exactly what John says. So they agree. There's no argument.