Prove $p \land q$ from the premise $\neg(\neg p \land \neg q)$

**Goal:** $p \land q$

**Intuition:** Since the goal is of the general form $\Phi \land \Psi$, perhaps **AND Introduction** is a good way to go. Start by proving $p$ and $q$ separately from the premise.

**High-level Approach:**
1. Prove $p$
2. Prove $q$
3. Use **AND Introduction** on $p$ and $q$

Proving $\neg(\neg p \land \neg q)$ [Steps 2 - 9]
- Assume $\neg p$
- Prove $\neg \neg p$ using **Negation Introduction** and subsequently use **Negation Elimination** to prove $p$.

Similar steps to prove $\neg(\neg p \land \neg q) \Rightarrow q$ [Steps 10 - 17]