

$$\frac{\frac{\frac{\frac{p}{q} \text{ [from case]}}{p \wedge q} \text{ [\wedge intro]}}{(p \wedge q) \vee (p \wedge r)} \text{ [\vee -intro-1]} \quad \frac{\frac{p}{r} \text{ [from case]}}{p \wedge r} \text{ [\wedge intro]}}{(p \wedge q) \vee (p \wedge r)} \text{ [\vee -intro-2]} \quad \frac{(p \wedge q) \vee (p \wedge r)}{p \wedge (q \vee r) \Rightarrow (p \wedge q) \vee (p \wedge r)} \text{ [\Rightarrow -intro<sup>[1]</sup>]}}$$