21.10

## Prove o sequente a seguir:

$$\forall_x (p(x) \to \neg q(x)) \vdash \neg (\exists_x (p(x) \land q(x))).$$

$$\frac{\sqrt{2} \left( p(x) \rightarrow \gamma q(x) \right)}{p(x_0) \rightarrow \gamma q(x_0)} \left( \sqrt{2} \right) \frac{\left[ p(x_0) \wedge q(x_0) \right]^{1}}{p(x_0)} \left( \sqrt{2} \right)}{\frac{2}{3} \left( \sqrt{2} \right)} \left( \sqrt{2} \right) \left($$