Quiz

Express the negations of each of these statements so that all negation symbols immediately precede predicates.

a. \((2) \forall x \exists y (P(x, y) \rightarrow Q(x, y))\)

b. \((3) \forall x \exists y (P(x, y) \lor \forall z R(x, y, z))\)

c. (5) What rules of inference are used in this “famous” argument?

\[
\begin{align*}
\text{All boy bands are terrible.} \\
\text{One Direction is a boy band} \\
\therefore \text{One Direction is terrible.}
\end{align*}
\]