

X3.4 Simplify

- (a) $\forall x: null \cdot \top$
- (b) $\forall x: null \cdot \perp$
- (c) $\exists x: null \cdot \top$
- (d) $\exists x: null \cdot \perp$

After trying the question, scroll down to the solution.

- §(a) $\forall x: \text{null} \cdot \top = \top$
- (b) $\forall x: \text{null} \cdot \perp = \top$
- (c) $\exists x: \text{null} \cdot \top = \perp$
- (d) $\exists x: \text{null} \cdot \perp = \perp$