- 136 Let x and y be binary variables. Simplify
- (a) x := x = y. x := x = y
- (b) $x := x \neq y$. $y := x \neq y$. $x := x \neq y$

After trying the question, scroll down to the solution.

rewrite last assignment Substitution Law Associative Law for binary = Reflexive and Identity laws for =

$$= x'=y \land y'=x$$

rewrite last assignment Substitution Law Substitution Law Associativity and Symmetry of #