

$$1. \underline{x} \oplus \underline{s0} \leq \underline{s0}$$

$$2. \underline{x} \oplus \underline{s1} \leq \underline{s1}$$

$$3. \underline{s0} \leq \underline{s0}$$

$$4. \underline{s0} \leq \underline{y}$$

$$5. \underline{s1} \oplus \underline{s0} \leq \underline{s1}$$

$$6. \underline{s1} \leq \underline{s1}$$

$$7. \underline{s1} \leq \underline{y}$$

$$8. \underline{s1} \oplus \underline{s0} \leq \underline{s0}$$