

Section 6.4 Homework

In Exercises 1 through 10, determine whether the poset is a Boolean algebra. Explain.

1. No. $6 \neq 2^n$
2. No. $7 \neq 2^n$
3. No $6 \neq 2^n$
4. No. $5 \neq 2^n$
5. Yes. $8 = 2^3$ and it's is representation of a Boolean algebra.
6. No. It's not a representation of a Boolean algebra.
7. Yes. $2 = 2^1$
8. Yes. $4 = 2^2$