

## Homework Assignment 1

1. **Exercise 2.2-2**
2. **Exercise 2.3-3**
3. **Problem 2-3**
4. **Prove or disprove**  $f(n) + g(n) = \Theta(\max(f(n), g(n)))$
5. **Problem 3.3a**
6. Exercise 4.1-5
7. Exercise 4.2-4
8. Exercise 4.3-7
9. Exercise 4.4-9
10. Problem 4.3bfhj