## 1 Problems

**Problem 1.** This is statement A. Hints 5, 4, 3 and 6.

**Problem 2.** This is statement B. Hints 1 and 2.

## 2 Hints

- 1. This is hint B1.
- 2. This is hint B2.
- 3. This is hint A3.
- 4. This is hint A2.
- 5. This is hint A1.
- 6. This is hint A4.

## 3 Solutions

Solution 1. This is solution A.

**Solution 2.** This is solution B.