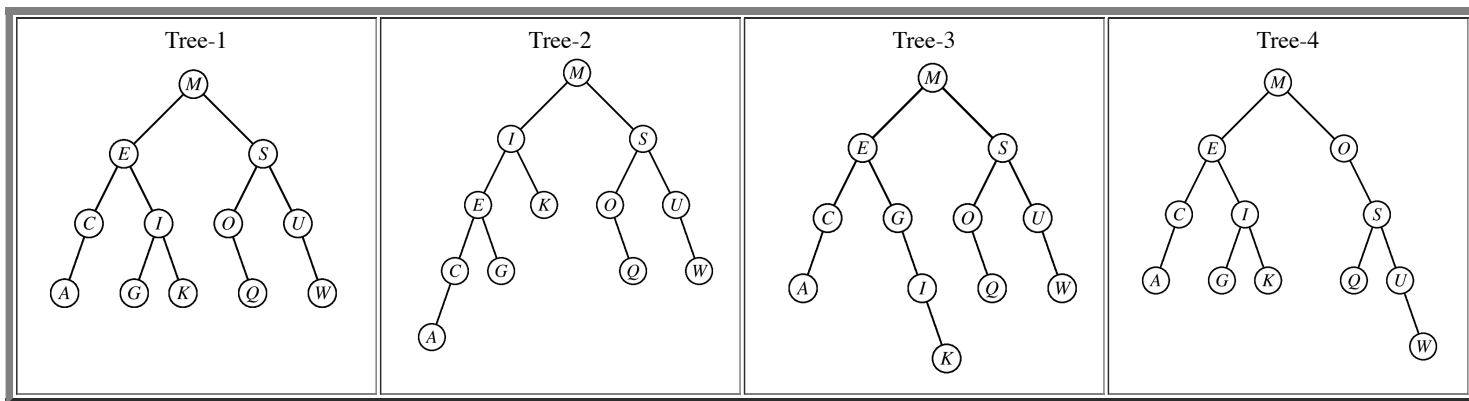


Below are four trees:



Each question has an answer which is one letter.

- **Question 1:** About which node do we rotate to turn Tree-1 into Tree-2?
- **Question 2:** About which node do we rotate to turn Tree-1 into Tree-3?
- **Question 3:** About which node do we rotate to turn Tree-1 into Tree-4?
- **Question 4:** Tree-2 is not an AVL tree. Name a node that is imbalanced.
- **Question 5:** Tree-3 is not an AVL tree. Name a node that is imbalanced.
- **Question 6:** Tree-4 is not an AVL tree. Name a node that is imbalanced.

Answers to the clicker questions.

- **Question 1:** For this and the next two questions, you look for the node who swaps parent-child relationship from the first tree to the second tree. The answer is the node that was the child. In this case: **I**.
- **Question 2:** **G**.
- **Question 3:** **O**.
- **Question 4:** **I**: Its left subtree has a height of 3, and its right subtree has a height of 1. All other nodes are balanced.
- **Question 5:** **G**: Its left subtree has a height of 0, and its right subtree has a height of 2. All other nodes are balanced.
- **Question 5:** **O**: Its left subtree has a height of 0, and its right subtree has a height of 3. All other nodes are balanced.