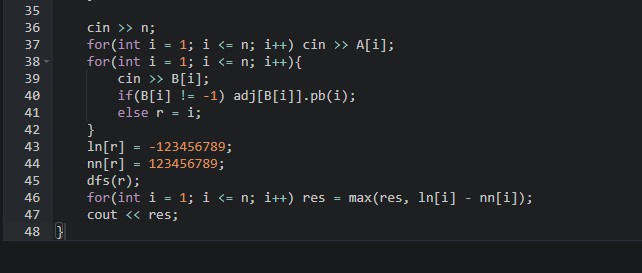
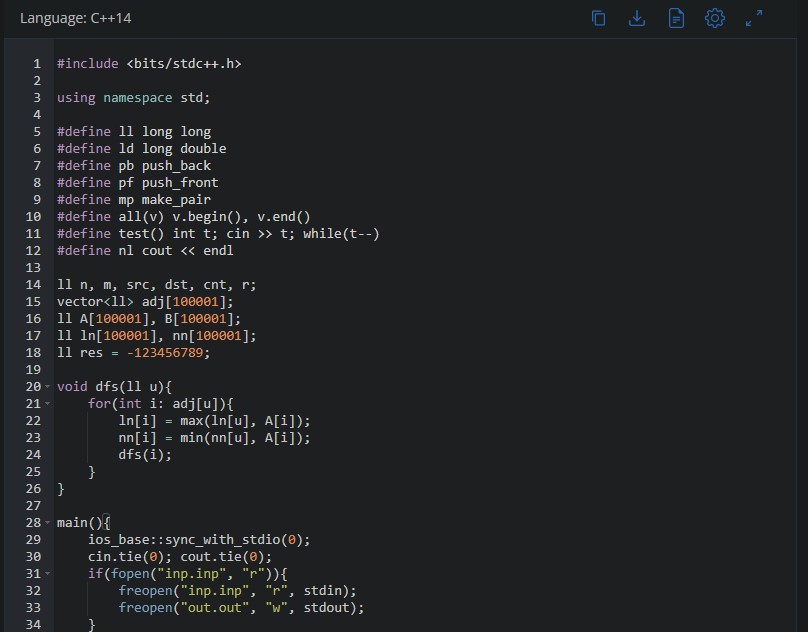
**WORKSHEET 6**

**Student Name:** Vivek Kumar **UID:** 21BCS8129

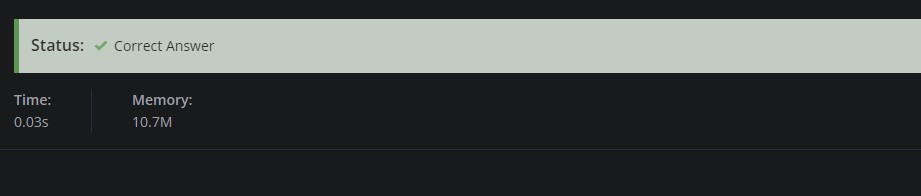
**DOMAIN CAMP:** 16-01-2023 to 28-01-2023 **Section/Group:** DWWC-77

**Subject Name:** IT Skills (DSA)

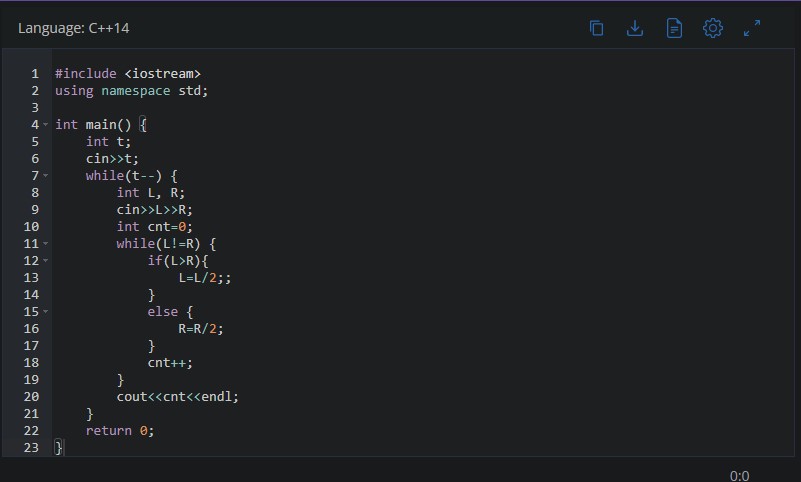
**Question 1. FAMILY TREE**



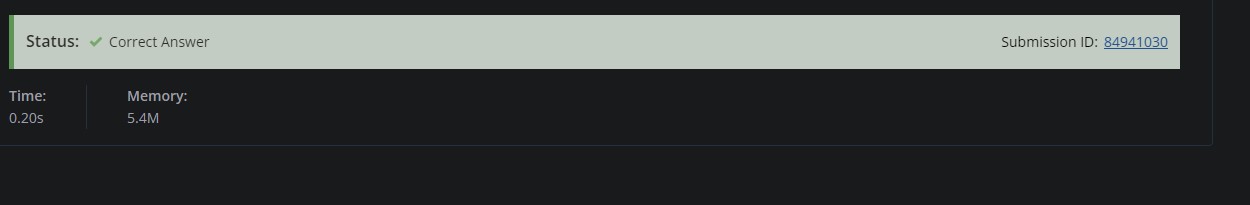
**SOLUTION:**



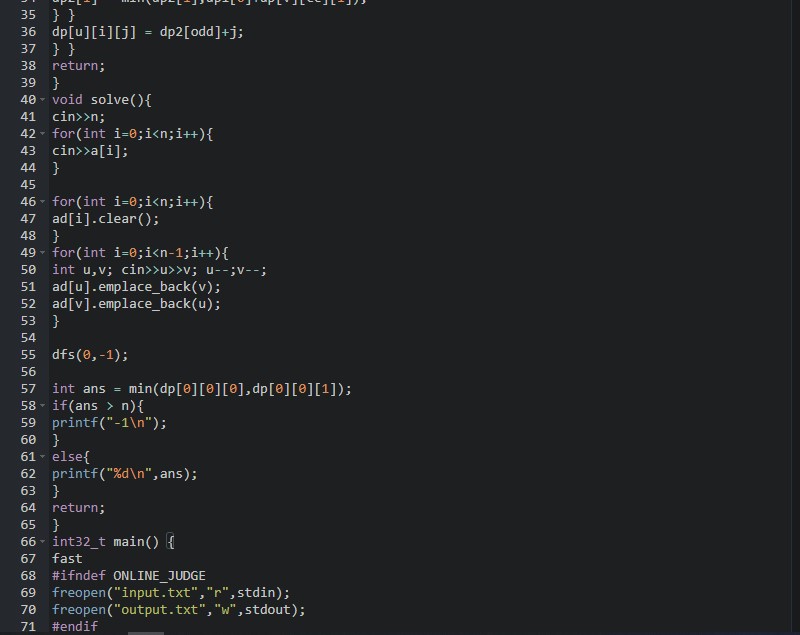
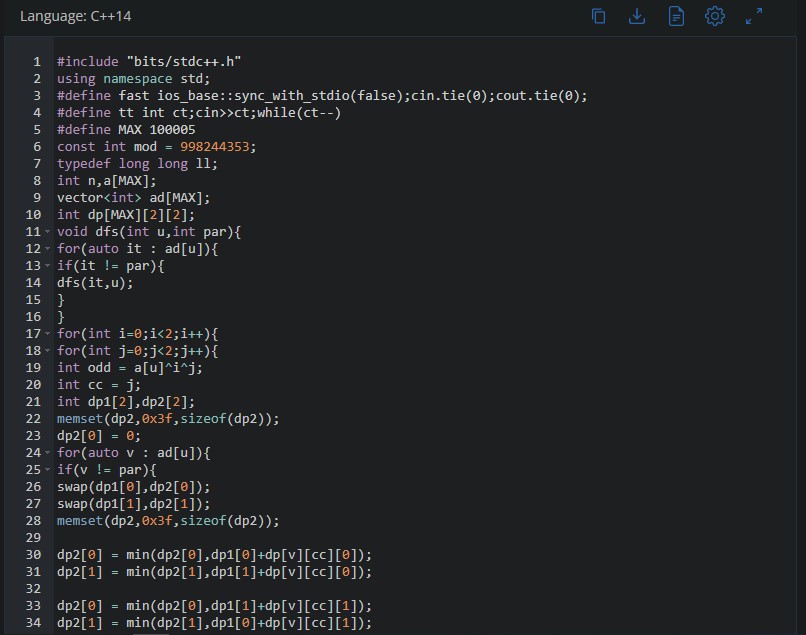
# Question 2. SHORTEST PATH IN BINARY TREES

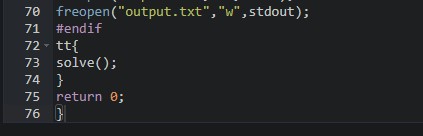


**SOLUTION:**

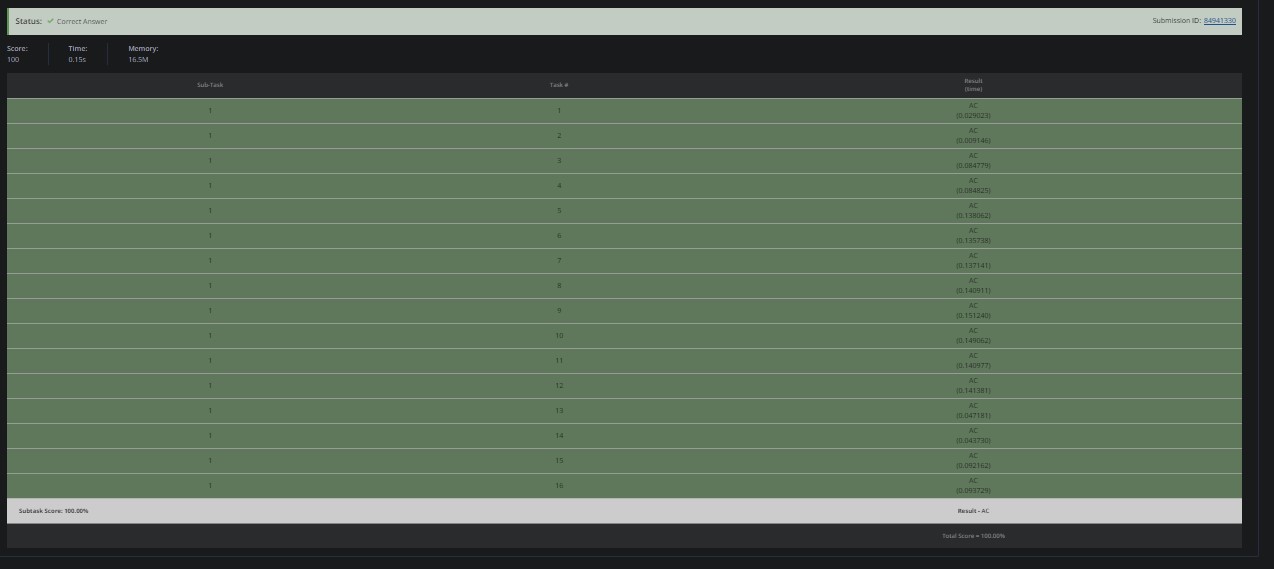


**Question 3. BLACK AND WHITE TREE**

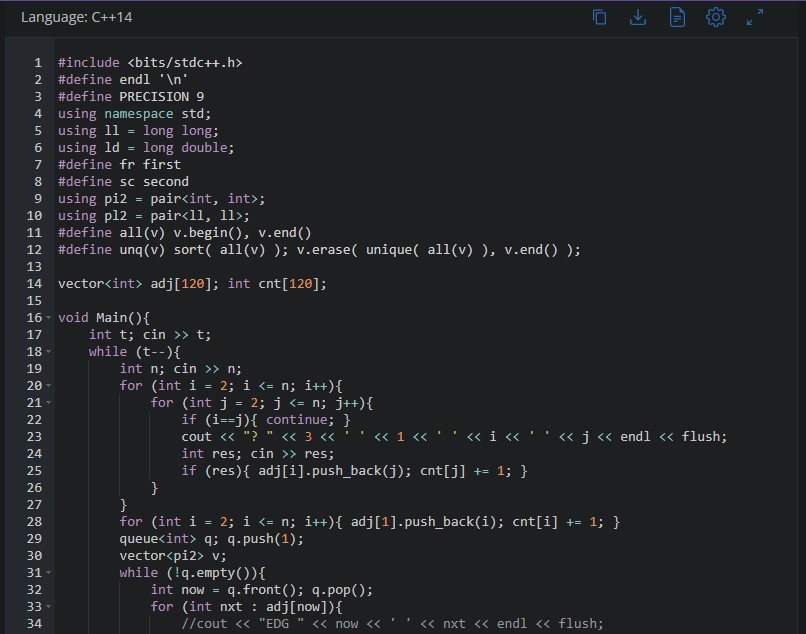


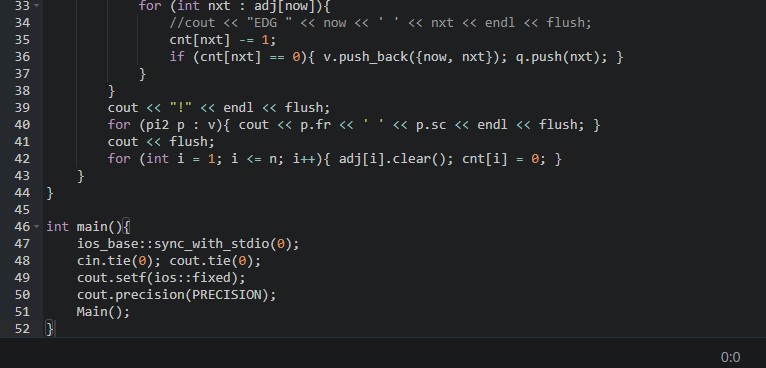


**SOLUTION:**

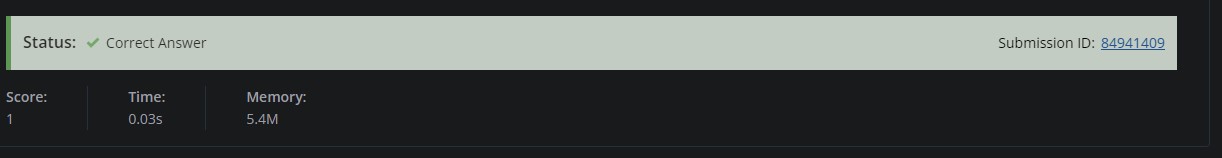


# Question 4. SECRET TREE

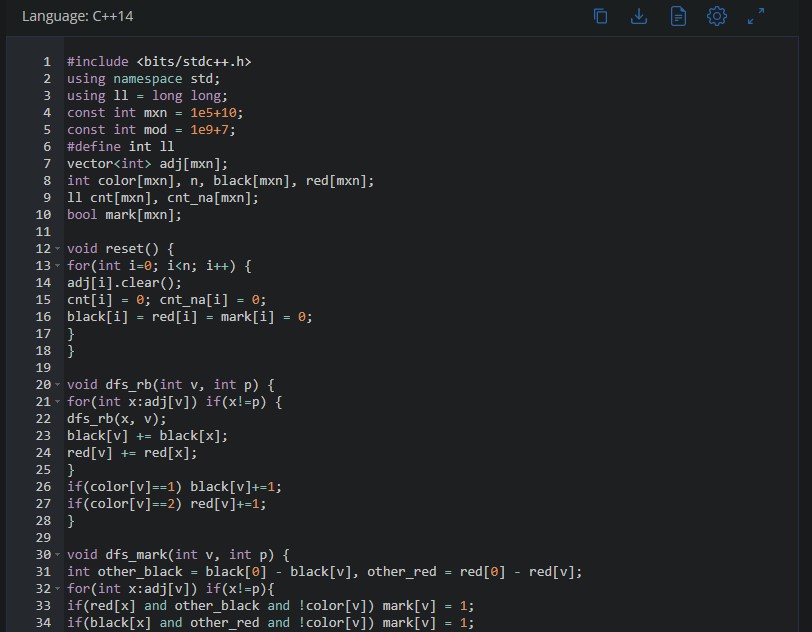


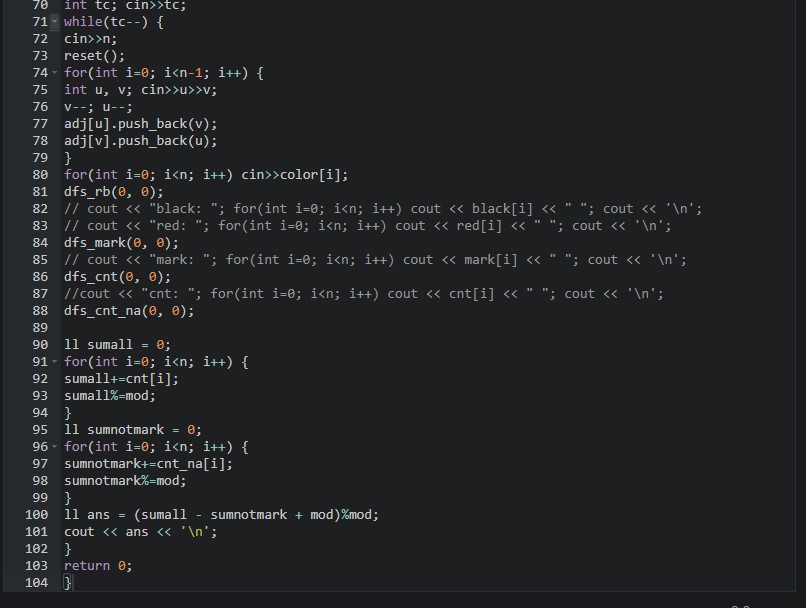
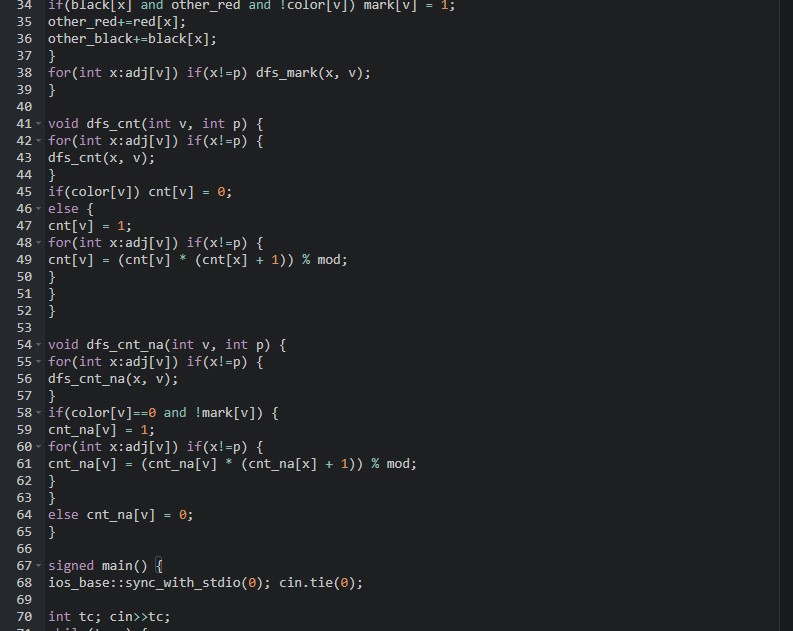


**SOLUTION:**

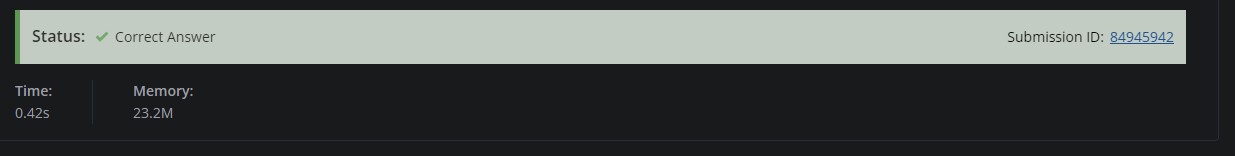


# Question 5. BLACK AND RED VERTICES OF TREE

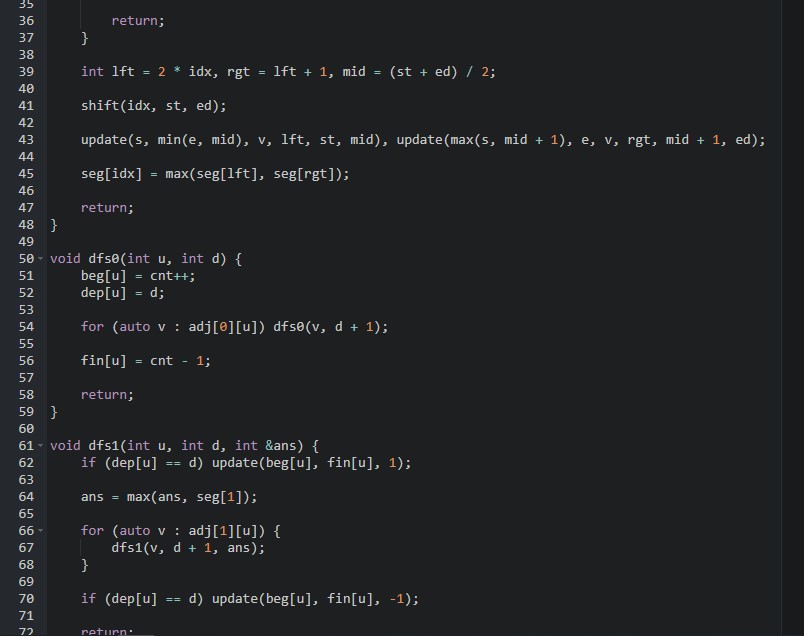
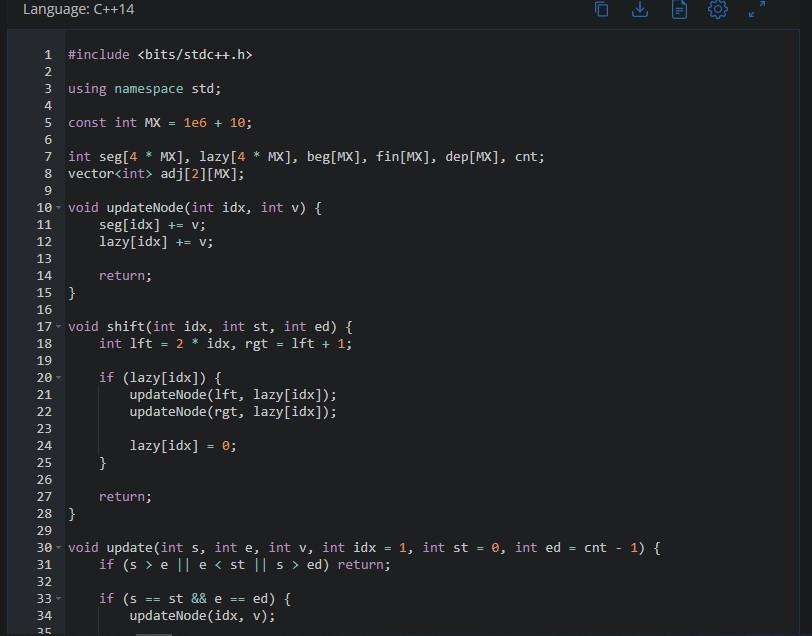


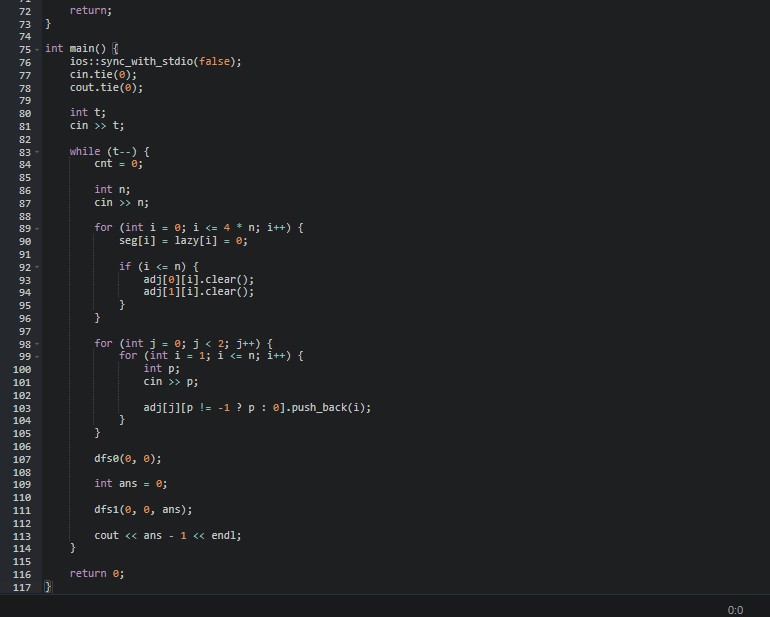


**SOLUTION:**

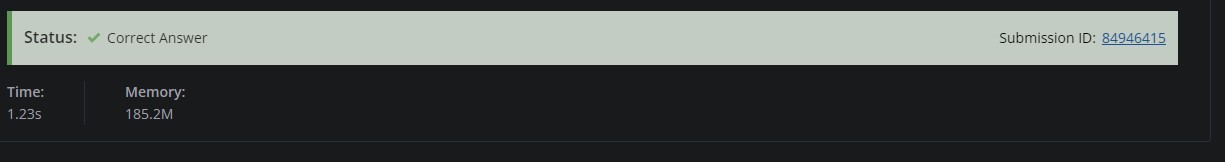


**Question 6. COMMON ANCESTORS**

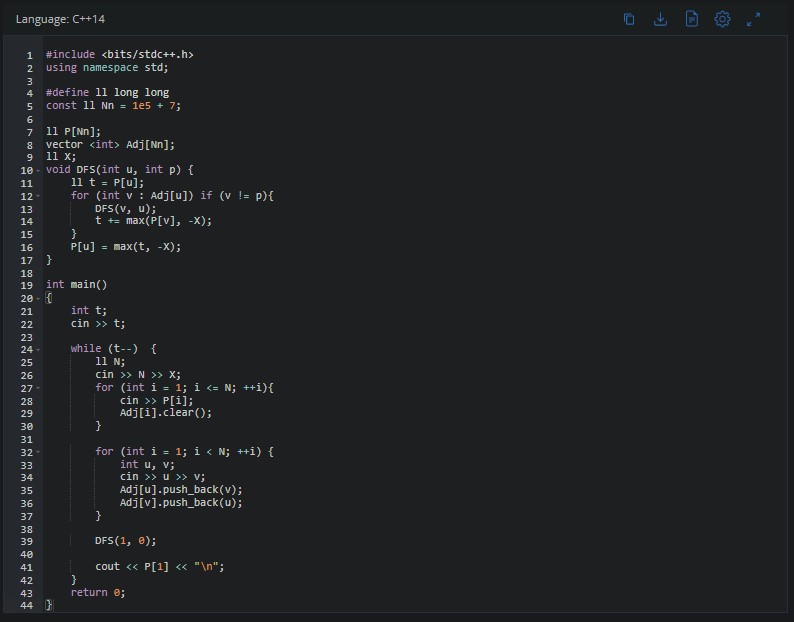




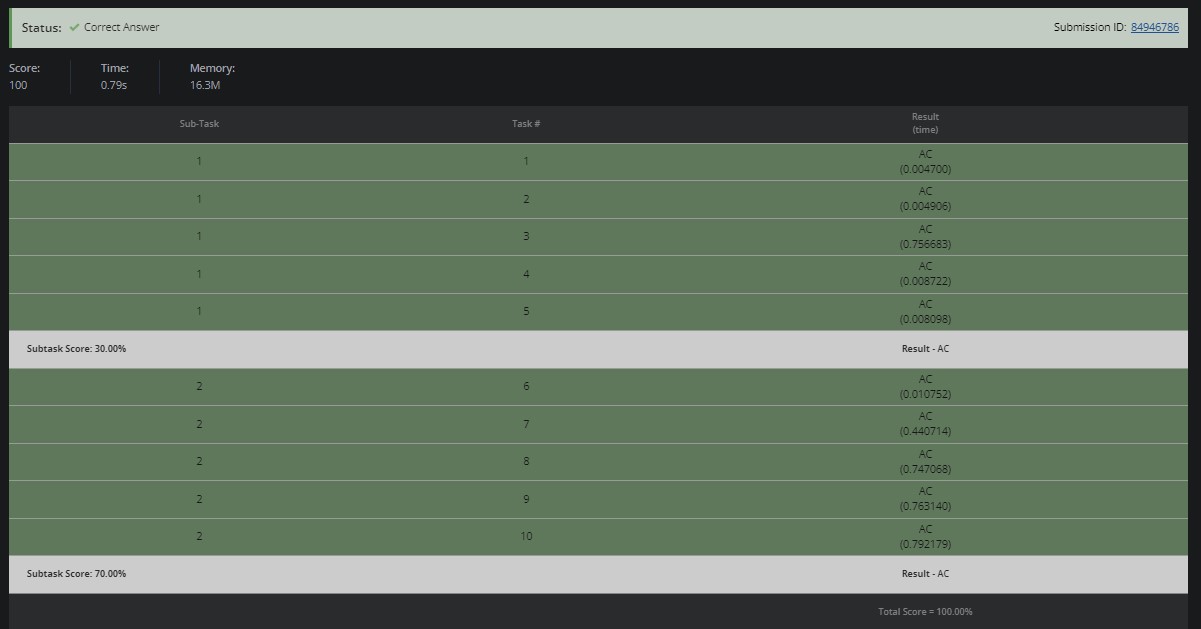
**SOLUTION:**



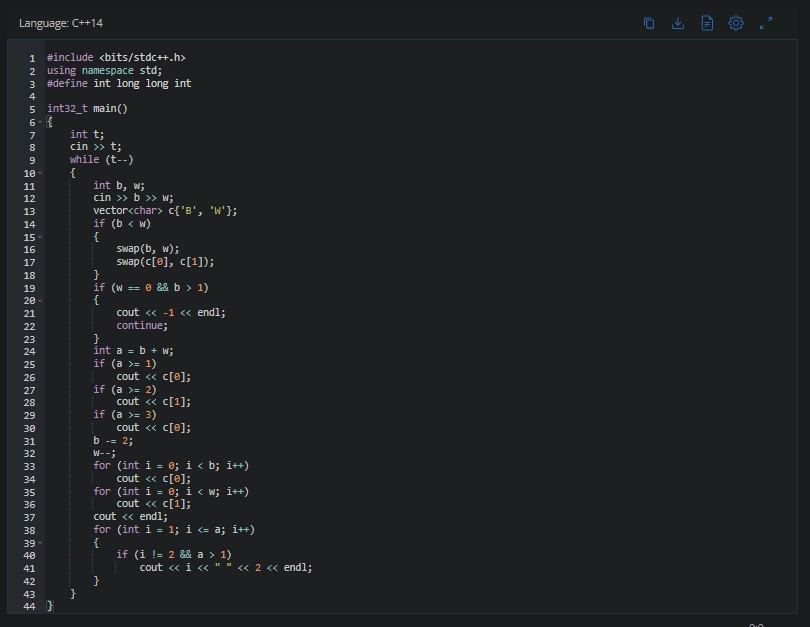
# Question 7. SUBTREE REMOVAL



**SOLUTION:**



# Question 8. ALTERNATING DIAMETER



**SOLUTION:**

