Question 01

Given a sorted array A(sorted in ascending order), having N integers, find if there exists any pair of elements (A[i], A[j]) such that their sum is equal to X.

Write a function or program to solve this problem efficiently.

Input:
The input consists of three parts:
The first line contains an integer N (2 ≤ N ≤ 10^5), denoting the number of elements in the array.
The second line contains N space-separated integers, representing the elements of the sorted array A.
The third line contains an integer X (-10^9 ≤ X ≤ 10^9), denoting the target sum.

Output:
Output "Yes" and the pair if there exists at least one pair of elements (A[i], A[j]) such that A[i] + A[j] = X, otherwise output "No".

Example:

Sample Input: 6 1 3 5 7 9 11 10 **Output:** Yes Pair: 1 9	**Sample Input:** 5 1 4 6 7 9 18 **Output:** No

Explanation:
In the given example, the array A is [1, 3, 5, 7, 9, 11] and the target sum X is 10. There exists a pair of elements (1, 9) such that 1 + 9 = 10, so the output is "Yes".

Note:

- The array A is sorted in ascending order, and all elements of the array are distinct.
- You should consider all possible pairs of elements (A[i], A[j]) where i ≠ j and 0 ≤ i, j < N.
- The integers in the array and the target sum can be negative, zero, or positive.