**Key Pair**

Submissions: [41991](https://practice.geeksforgeeks.org/problem_submissions.php?pid=552)  Accuracy:

27.56%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

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Given an array **A** of **N** positive integers and another number **X**. Determine whether or not there exist two elements in A whose sum is exactly X.

**Input:**  
The first line of input contains an integer T denoting the number of test cases. The first line of each test case is N and X, N is the size of array. The second line of each test case contains N integers representing array elements C[i].

**Output:**  
Print "Yes" if there exist two elements in A whose sum is exactly X, else "No" (without quotes).

**Constraints:**  
1 ≤ T ≤ 200  
1 ≤ N ≤ 200  
1 ≤ C[i] ≤ 1000

**Example:  
Input:**  
2  
6 16  
1 4 45 6 10 8  
5 10  
1 2 4 3 6

**Output:**  
Yes  
Yes

**Explanation:  
Testcases 1:** 10 and 6 are numbers making a pair whose sum is equal to 16.

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/key-pair/0#ExpectOP) option \*\*

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

public class GFG

{

static string Contiene(int[] arr, int N, int X)

{

Dictionary<int, int> diccio = new Dictionary<int, int>();

for (int i = 0; i < N; i++)

{

//diccio[arr[i]]++;

if(diccio.ContainsKey(arr[i]))

{

diccio[arr[i]]++;

}

else

{

diccio[arr[i]] = 1;

}

}

for (int i = 0; i < N; i++)

{

if (diccio.ContainsKey(X - arr[i]))

{

if(X - arr[i] == arr[i])

{

if(diccio[arr[i]] > 1)

{

return "Yes";

}

}

else

{

return "Yes";

}

}

}

return "No";

}

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

string[] input = Console.ReadLine().Trim().Split(' ');

int N = int.Parse(input[0]);

int X = int.Parse(input[1]);

int[] arr = Array.ConvertAll(Console.ReadLine().Trim().Split(' '), e => int.Parse(e));

Console.WriteLine(Contiene(arr, N, X));

}

//int N = 6;

//int X = 16;

//int[] arr = { 1, 4, 45, 6, 10, 8 };

//Console.WriteLine(Contiene(arr, N, X));

Console.ReadLine();

}

}