## horizontal line

**The Subset Sum**

# **Problem Statements :**

Given a set of "n" non-negative integers, and a value "sum", determine if there is a subset of the given set with sum equal to given sum.

# **Input Format :**

1st Line: n sum 2nd Line: a1 a2……an (Array Values)

# **Constraints :**

1<= n <= 5000  
1<= sum <= 10^7  
1<= Ai <=10^5

# **Output Format :**

Yes, if sum exist No, it sum does not exist

# **Sample Input :**

5 10  
1 2 3 4 5

**Sample Output :**

Yes

**Explanation :**

None

**Time Limit :**

1 sec