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# **Jerry Cheese**

Problem Code: REC09A

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All submissions for this problem are available. Jerry is a health-conscious mouse who loves eating cheese. He likes cheese so much that he will eat **all** the available cheeses. Currently, he has N cheese with distinct calorie value  $a_1,a_2,\ldots,a_n$  Jerry wants his total calorie intake to be K. To achieve his calorie diet, he can steal **at most** 1 cheese such that:

- its calorie value should lie between the minimum and maximum calorie value of cheese he already has
- its calorie value should not coincide with any available cheese calorie value

Help Jerry decide if he can achieve a total calorie diet of K.

## Input:

- First line of input contains 2 space-separated integers, N and K
- Second line contains N space-separated integer,  $a_1, a_2, \ldots, a_n$

## **Output:**

Print YES if Jerry can have a total calorie diet of K with  ${\bf at\ most\ }1$  stolen cheese, otherwise print NO

## Constraints

- $1 \le N \le 100$
- $1 \le k \le 10^5$
- $1 \leq a_i \leq 1000 (i = 1, 2, \dots, N)$
- ullet Every  $a_i$  is distinct

#### Sample Input 1:

3 10

124

## **Sample Output 1:**

YES

#### Sample Input 1:

3 10

234

#### **Sample Output 1:**

NO

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Tags: <u>rishup\_nitdgp (/tags/problems/rishup\_nitdgp)</u>

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