Raptor Inc

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

TheRaptor is the CEO Of Raptor Inc. He has to pay N employees (read: trainers). He will have to pay the ith trainer C_i Raptor dollars.

However, Raptor Inc. is broke, and only has X Raptor dollars. Please tell TheRaptor if he can afford to pay all of his employees, or if he will be fired.

Abridged Statement: Given an array of N numbers, C, determine if it's sum is $\leq X$.

Input

The first line of input will contain 2 integers, N and X, the number of employees TheRaptor has, and the amount of Raptor dollars Raptor Inc. has.

The second line of input will contain N space-seperated integers, the array C.

Output

Print "Yes" if TheRaptor can pay all his employees, and "No" otherwise. (Without the quotes)

Scoring

For all test cases, it is guaranteed that:

- $1 \leq N \leq 10^5$

- $1 \leq C_i \leq 10^{12}$

- $1 \leq X \leq 10^{18}$

Subtask	Score	Additional constraints
1	69	$C_i \leq 1000, X \leq 10^9$
2	31	No additional constraints
3	0	Sample test cases

Examples

standard input	standard output
5 18 10 2 1 5 9	No
4 24 1 1 3 2	Yes
3 24 7 8 2	Yes