Coding Challenge #19 (Question)

Rajendar has an array with him. He wants an application program which checks whether the array is Mirror inverse or not. Help him with the required application program.

An array A[] of size 'n' is MIRROR - INVERSE if A[A[i]] = i for all values of i, ranging from 0 to n-1

INPUT FORMAT:

1. 1st line of input takes the size of user array.

2. 2nd line of input takes the elements in the array.

OUTPUT FORMAT:

Checks whether the given array is Mirror-Inverses or not and prints it to the output.

SAMPLE INPUT 0:

4

1 2 3 0

SAMPLE OUTPUT 0:

It is not a Mirror-Inverse array.

SAMPLE INPUT 1:

5

3 4 2 0 1

SAMPLE OUTPUT 1:

It is a Mirror-Inverse array.

Coding Challenge **#20** (Question)

User gives an integer k and an array of size N. He needs an application which extracts the elements in the array whose frequency is more than equal to k and print the sum of all that elements. Help him to build his application with an efficient program.

INPUT FORMAT:

1. 1st line of input takes the integer k (minimum frequency)
2. 2nd line of input takes the size of user array.
3. 3rd line of input takes the elements in the array.

OUTPUT FORMAT:

Extract the elements with frequency greater than or equal to k and print their sum.

CONSTRAINTS:

K, n should be non-negative integers.

SAMPLE INPUT 0:

2

10

2 3 4 3 4 5 6 4 2 2

SAMPLE OUTPUT 0:

9

EXPLANATION: 2,3,4 are the elements with frequency greater than or equals to 2. Sum = 2+3+4 = 9

SAMPLE INPUT 1:

3

10

2 3 3 4 4 1 2 4 6 7

SAMPLE OUTPUT 1:

4

EXPLANATION: The only element with frequency greater than or equals to 3 is 4.