Missing Element

 15

✨ Problem Statement

An original array has length N+K. an element X that appears exactly K time got removed from the  array and the resultant array of size N is given in the input. If you are given that the average of N+K elements of array can you find the element X in the array?

✨ Extra Info

✨ Input Format

In the first line the value of N,K and average of N+K numbers are given respectively followed by the elements of resultant array is given in the next line.

✨ Output Format

If X is an integer print the value of X. Otherwise print -1.

✨ Constraints

1 <= N, K <= 1000.

The average is integer.

✨ Time Limit2 secs.Each test case should pass in 2 secs.✨ Sample Input

3 3 4                                       
2 7 3   
✨ Sample Output4✨ Real Testcases

| **No.** | **IP** | **OP** |
| --- | --- | --- |
| 1 | 3 3 4                                      2 7 3 | 4 |
| 2 | 3 3 4                                      2 7 3 | 4 |
| 3 | 3 4 7                                                               5 2 3 | -1 |
| 4 | 7 2 16  2 3 6 2 3 7 5 | 58 |

✨ Tags