Metamorph

DiPS CodeJam 23

Prompt

A "metamorph" $m(n, a[]) == a_n[]$ of an array $a[]$ is defined as such:

$$a_{n(i+1)} - a_{n(i)} = a_{n-1(i)}$$

For example, given the sequence $a[1, 2, 3, 4, 5, 6, 7, 8, 9]$:

$$m(2, a[]) = a_n[1, 2, 4, 7, 11, 16, 22, 29, 37, 46]$$

Your task, given an list $l[]$ and an integer n, is to find $m(n, l[])$.

Input Format

Output Format

Constraints

Sample Input/Output

Input	Output
Sample input	Sample output

Solution

Simplifying the Problem

Solving the Problem

Sample Program

```
print("Hello, world!", 1234)
```