

You are given an array with positive numbers and a number N. You should find the N-th power of the element in the array with the index N. If N is outside of the array, then return -1. Don't forget that the first element has the index 0.

Let's look at a few examples:

- array = [1, 2, 3, 4] and N = 2, then the result is  $3^2 == 9$ ;
- array = [1, 2, 3] and N = 3, but N is outside of the array, so the result is -1.

**Input:** Two arguments. An array as a list of integers and a number as a integer.

**Output:** The result as an integer.

**Example:**

```
1 index_power([1, 2, 3, 4], 2) == 9
2 index_power([1, 3, 10, 100], 3) == 1000000
3 index_power([0, 1], 0) == 1
4 index_power([1, 2], 3) == -1
5
```

**How it is used:** This mission teaches you how to use basic arrays and indexes when combined with simple mathematics.

**Precondition:**  $0 < \text{len}(\text{array}) \leq 10$

$0 \leq N$

$\text{all}(0 \leq x \leq 100 \text{ for } x \text{ in array})$