## . \*Array Manipulator

Write a function that **receives an array of integers** and an **array of string commands** and **executes them over the array**. The commands are as follows:

* **add <index> <element>** – adds element at the specified index (elements right from this position inclusively are shifted to the right).
* **addMany <index><element 1> <element 2> … <element n>** – adds a set of elements at the specified index.
* **contains <element>** – prints the index of the first occurrence of the specified element (**if exists**) in the array or **-1** if the element is not found.
* **remove <index>** – removes the element at the specified index.
* **shift <positions>** – **shifts every element** of the array the number of positions **to the** **left** (with rotation).
  + For example, [1, 2, 3, 4, 5] -> shift 2 -> [3, 4, 5, 1, 2]
* **sumPairs** – sums the elements in the array by pairs (first + second, third + fourth, …).
  + For example, [1, 2, 4, 5, 6, 7, 8] -> [3, 9, 13, 8].
* **print** – stop receiving more commands and print the last state of the array in the following format:

**`[ {element1}, {element2}, …elementN} ]`**

**Note:** The elements in the array must be **joined** by **comma** and **space** **(, )**.

### Examples

|  |  |
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| **Input** | **Output** |
| [1, 2, 4, 5, 6, 7],  ['add 1 8', 'contains 1', 'contains 3', 'print'] | 0  -1  [ 1, 8, 2, 4, 5, 6, 7 ] |
| [1, 2, 3, 4, 5],  ['addMany 5 9 8 7 6 5', 'contains 15', 'remove 3', 'shift 1', 'print'] | -1  [ 2, 3, 5, 9, 8, 7, 6, 5, 1 ] |