# List Manipulator

Write a function called **list\_manipulator** which receives a **list of numbers** as **first parameter** and **different amount** of other parameters. The **second** parameter might be **"add"** or **"remove"**. The **third** parameter might be **"beginning"** or **"end"**. There **might** or **might not** be any **other parameters** (numbers):

* In case of **"add"** and **"beginning"**, **add** the given **numbers** to the **beginning** of the given **list of numbers** and **return the new list**
* In case of **"add"** and **"end"**, **add** the given **numbers** to the **end** of the given **list of numbers** and **return the new list**
* In case of **"remove"** and **"beginning"**
  + If there is **another parameter** (number), **remove** that **amount** of numbers from the **beginning** of the **list of numbers**.
  + If there are **no other parameters**, **remove** only the **first element** of the list.
  + Finaly, **return the new list**
* In case of **"remove"** and **"end"**
  + If there is **another parameter** (number), **remove** that **amount** of numbers from the **end** of the **list of numbers**.
  + Otherwise if there are **no other parameters**, **remove** only the **last element** of the list.
  + Finaly, **return the new list**

For more clarifications, see the examples below.

### Input

* There will be **no input**
* **Parameters** will be passed to your function

### Output

* The function should **return the new list of numbers**

### Examples

|  |  |
| --- | --- |
| **Test Code** | **Output** |
| print(list\_manipulator([1,2,3], "remove", "end"))  print(list\_manipulator([1,2,3], "remove", "beginning"))  print(list\_manipulator([1,2,3], "add", "beginning", 20))  print(list\_manipulator([1,2,3], "add", "end", 30))  print(list\_manipulator([1,2,3], "remove", "end", 2))  print(list\_manipulator([1,2,3], "remove", "beginning", 2))  print(list\_manipulator([1,2,3], "add", "beginning", 20, 30, 40))  print(list\_manipulator([1,2,3], "add", "end", 30, 40, 50)) | [1, 2]  [2, 3]  [20, 1, 2, 3]  [1, 2, 3, 30]  [1]  [3]  [20, 30, 40, 1, 2, 3]  [1, 2, 3, 30, 40, 50] |