

1. Given a list of numbers, create a function that removes 25% from every number in the list except the smallest number, and adds the total amount removed to the smallest number.

Examples

```
show_the_love([4, 1, 4])    [3, 3, 3]
```

```
show_the_love([16, 10, 8])  [12, 7.5, 14.5]
```

```
show_the_love([2, 100])     [27, 75]
```

2. Create a function that takes in two words as input and returns a list of three elements, in the following order:

- 1.Shared letters between two words.
- 2.Letters unique to word 1.
- 3.Letters unique to word 2.

Each element should have unique letters, and have each letter be alphabetically sorted.

Examples

```
letters("sharp", "soap")    ["aps", "hr", "o"]
```

```
letters("board", "bored")   ["bdor", "a", "e"]
```

```
letters("happiness", "envelope") ["enp", "ahis", "lov"]
```

```
letters("kerfuffle", "fluffy") ["flu", "ekr", "y"]
```

Even with multiple matching letters (e.g. 3 f's), there should
only exist a single "f" in your first element.

```
letters("match", "ham")     ["ahm", "ct", ""]
```

"ham" does not contain any letters that are not found already
in "match".

3. Write a function that pairs the first number in an array with the last, the second number with the second to last, etc.

Examples

```
pairs([1, 2, 3, 4, 5, 6, 7]) [[1, 7], [2, 6], [3, 5], [4, 4]]
```

```
pairs([1, 2, 3, 4, 5, 6])  [[1, 6], [2, 5], [3, 4]]
```

```
pairs([5, 9, 8, 1, 2])  [[5, 2], [9, 1], [8, 8]]
```

```
pairs([])  []
```

4. Write a function that adds two numbers. The catch, however, is that the numbers will be strings.

Examples

```
add_str_nums("4", "5")  "9"
```

```
add_str_nums("abcdefg", "3")  "-1"
```

```
add_str_nums("1", "")  "1"
```

```
add_str_nums("1874682736267235927359283579235789257",  
"32652983572985729")  "1874682736267235927391936562808774986"
```

5. IPaesh le pemu mnxit ehess rtnisg! Oh, sorry, that was supposed to say: Please help me unmix these strings!

Somehow my strings have all become mixed up; every pair of characters has been swapped. Help me undo this so I can understand my strings again.

Examples

```
unmix("123456")  "214365"
```

```
unmix("hTsii s aimex dpus rtni.g")  "This is a mixed up string."
```

```
unmix("badce")  "abcde"
```