Our Solution(s) Run Code

Solution 1

```cpp
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#include <vector>

using namespace std;

// O(n) time | O(1) space - where n is the length of the array
vector<int> moveElementToEnd(vector<int> array, int toMove) {
  int i = 0;
  int j = array.size() - 1;
  while (i < j) {
    while (i < j && array[j] == toMove)
      j--;
    if (array[i] == toMove)
      swap(array[i], array[j]);
    i++;
  }
  return array;
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```cpp
#include <vector>

using namespace std;

vector<int> moveElementToEnd(vector<int> array, int toMove) {
  // Write your code here.
  return {};
}

```

Our Tests

Custom Output Submit Code

```
class Programtest : public Testsuite {
public:
  void Run() {

    Runtest("Test Case 1", [](){
      vector<int> array = {};
      int toMove = 3;
      vector<int> expected = {};
      vector<int> output = moveElementToEnd(array, toMove);
      assert(output.size() == array.size());
      assert(output == expected);
    });

    Runtest("Test Case 2", [](){
      vector<int> array = {2, 3, 4, 5, 6};
      int toMove = 3;
      vector<int> expected = {2, 3, 4, 5, 6};
      vector<int> output = moveElementToEnd(array, toMove);
      assert(output.size() == array.size());
      sort(output.begin(), output.end());
```

Run or submit code when you're ready.