Algorithm1.cpp

```
// provides EXIT_SUCCESS
// I/O definitions
#include <cstdlib>
 #include <iostream>
                      // provides vector
 #include <vector>
int main () {
   int a[] = {17, 12, 33, 15, 62, 45};
   v.pop_back();
                // v: 17 12 33 15 62
   cout << v.size() << endl; // outputs: 5</pre>
   v.push_back(19); // v: 17 12 33 15 62 19
   cout << v.front() << " " << v.back() << endl;// outputs: 17 19</pre>
   cout << v.size() << endl; // outputs: 4</pre>
   char b[] = {'b', 'r', 'a', 'v', 'o'};
      vector<char> w(b, b + 5); // w: b r a v o
      random_shuffle(w.begin(), w.end());  // w: o v r a b
      w.insert(w.begin(), 's');
                                     // w: s o v r a b
   for (vector<char>::iterator p = w.begin(); p != w.end(); ++p)
        cout << *p << " ";  // outputs: s o v r a b</pre>
      cout << endl;</pre>
      return EXIT_SUCCESS;
Output
6
5
17 19
4
sorvab
```