<https://github.com/alena56taR/VVP>

1.

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "Russian");

int a[10], b[10];

int n;

cout << "N:";

cin >> n;

int i;

for (i = 0; i < n; ++i)

{

cout << "a[" << i + 1 << "]=";

cin >> a[i];

}

int k = 0;

for (i = 1; i < n; ++i)

{

if (a[k] != a[i])

{

++k;

a[k] = a[i];

}

}

++k;

cout << "Изменённый массив:" << "\n";

for (i = 0; i < k; ++i)

cout << "a[" << i + 1 << "]=" << a[i] << "\n";

return 0;

}

2.

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "Russian");

int a[10], b[10];

int n;

cout << "N:";

cin >> n;

int i;

for (i = 0; i < n; ++i)

{

cout << "a[" << i + 1 << "]=";

cin >> a[i];

}

int m, j, k, num;

for (i = 0; i < n; i++)

{

num = 0;

for (j = 0; j < n; ++j)

{

if (a[i] == a[j])

++num;

}

if (num == 2)

{

k = i - 1;

m = a[i];

for (j = i; j < n; ++j)

if (a[j] != m)

{

++k;

a[k] = a[j];

}

n = k + 1;

--i;

}

}

cout << "Изменённый массив из " << k + 1 << " эл.:" << "\n";

for (i = 0; i < k+1; ++i)

cout << "a[" << i + 1 << "]=" << a[i] << "\n";

return 0;

}

3.

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "Russian");

int a[10], b[10];

int n;

cout << "N:";

cin >> n;

int i;

for (i = 0; i < n; ++i)

{

cout << "a[" << i + 1 << "]=";

cin >> a[i];

}

int amin = 0, amax = 0;

for (i = 0; i < n; ++i)

{

if (a[amin] > a[i])

{

amin = i;

}

if (a[amax] < a[i])

{

amax = i;

}

}

if (amax > amin)

amax++;

n++;

for (i = n - 1; i >= amin; --i)

a[i] = a[i - 1];

a[amin] = 0;

n++;

for (i = n - 1; i > amax + 1; --i)

a[i] = a[i - 1];

a[amax + 1] = 0;

cout << "Изменённый массив:" << "\n";

for (i = 0; i < n; ++i)

cout << "a[" << i + 1 << "]=" << a[i] << "\n";

return 0;

}

4.

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "Russian");

int a[10], b[10];

int n;

cout << "N:";

cin >> n;

int i;

for (i = 0; i < n; ++i)

{

cout << "a[" << i + 1 << "]=";

cin >> a[i];

}

int j;

for (i = n - 1; i >= 0; --i)

{

if (a[i] < 0)

{

++n;

for (j = n; j > i; --j)

a[j] = a[j - 1];

a[i + 1] = 0;

}

}

cout << "Изменённый массив:" << "\n";

for (i = 0; i < n; ++i)

cout << "a[" << i + 1 << "]=" << a[i] << "\n";

return 0;

}

5.

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "Russian");

int a[10], b[10];

int n;

cout << "N:";

cin >> n;

int i;

for (i = 0; i < n; ++i)

{

cout << "a[" << i + 1 << "]=";

cin >> a[i];

}

int j;

for (i = n - 1; i >= 0; --i)

{

if (a[i] > 0)

{

++n;

for (j = n - 1; j > i; --j) a[j] = a[j - 1];

a[i] = 0;

}

}

cout << "Изменённый массив:" << "\n";

for (i = 0; i < n; ++i)

cout << "a[" << i + 1 << "]=" << a[i] << "\n";

return 0;

}