Битовая маска (от Кречко К. И Пивника Н. ПО-4)

Код:

#include <iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int U[] = { 1,2,3,4,5,6,7,8,9,10,11 };

int A[] = { 2,4,5,8 };

int B[] = { 2,3,6,8,9 };

int C[] = { 1,4,7,8,9 };

int sizeU = sizeof(U) / sizeof(int);

int sizeA = sizeof(A) / sizeof(int);

int sizeB = sizeof(B) / sizeof(int);

int sizeC = sizeof(C) / sizeof(int);

int\* A1 = new int[sizeU];

int\* B1 = new int[sizeU];

int\* C1 = new int[sizeU];

for (int i = 0, j = 0; i < sizeU; i++)

{

if (U[i] == A[i - j]) {

A1[i] = 1;

}

else {

A1[i] = 0;

j++;

}

}

cout << "A: ";

for (int i = 0; i < sizeU; i++)

{

cout << A1[i] << " ";

}

for (int i = 0, j = 0; i < sizeU; i++)

{

if (U[i] == B[i - j]) {

B1[i] = 1;

}

else {

B1[i] = 0;

j++;

}

}

cout << endl << "B: ";

for (int i = 0; i < sizeU; i++)

{

cout << B1[i] << " ";

}

for (int i = 0, j = 0; i < sizeU; i++)

{

if (U[i] == C[i - j]) {

C1[i] = 1;

}

else {

C1[i] = 0;

j++;

}

}

cout << endl << "C: ";

for (int i = 0; i < sizeU; i++)

{

cout << C1[i] << " ";

}

cout << endl << "(B U C)^A= { ";

for (int i = 0; i < sizeU; i++) //Суть

{

if ((**B1[i] && C1[i]) && A1[i]**)

{

cout << U[i] << " ";

}

}

cout << "}" << endl;

return 0;

}

**Результат:**

