Find two numbers such that their difference is minimum

#include<iostream>

using namespace std;

int main()

{

int a[10],n;

int b[10],max,temp,flag = 0,min;

int num1,num2;

cout<<"Enter the number of elements in the array\n";

cin>>n;

cout<<"Enter the elements of the array\n";

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

{

cin>>a[i];

}

for(int i=0;i<n,flag == 0;i++)

{flag = 1;

for(int j=0;j<n-1-i;j++)

{

if(a[j]>a[j+1])

{

flag = 0;

temp = a[j];

a[j] = a[j+1];

a[j+1] = temp;

}

}

}

for(int i=0;i<n;i+=2)

{

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

if(b[i]<0)

b[i]\*=-1;

}

min = b[0];

num1 = a[0];

num2 = a[1];

for(int i=2;i<n;i+=2)

{

if(b[i]<min)

{

min = b[i];

num1 = a[i];

num2 = a[i+1];

}

}

cout<<"The number which can produce minimum difference are "<<num1<<" "<<num2<<" And the minimum difference is "<<min;

return 0;

}