**IS PALINDROME?**

Take as input N, a number. Take N more inputs and store that in an array. Write a recursive function which tests if the array is a palindrome and returns a Boolean value. Print the value returned.

**Input Format:**

Enter a number N , add N more numbers

**Constraints:**

None

**Output Format**

Display the Boolean result

**Sample Input**

4

1

2

2

1

**Sample Output**

true

Program-

#include<iostream>

using namespace std;

bool palindrome(int a[],int n)

{

int k=n;

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

{

if(a[i]!=a[k-1])

return false;

k--;

}

return true;

}

int main()

{

int n,i;

cin>>n;

int \*a=new int[n];

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

{

cin>>a[i];

}

bool b=palindrome(a,n);

if(b==true)

cout<<"true";

else

cout<<"false";

}