伪代码：

设两个计数器，记入栈出栈；

正确：任何时候入栈大于等于出栈；结束时入栈等于出栈

代码：

#include <iostream>

using namespace std;

int main()

{

int n;

cout << "Please input the number of oprations"<<endl;

cin >> n;

char\* Stack=new char[n+1];

cout << "Please input the oprations" << endl;

cin >> Stack;

if (strlen(Stack) > n) {

cout << "Wrong" << endl;

}

else {

int I = 0, O = 0;

bool Truth=1;

for (char\* p = Stack; p <= Stack + n; p++) {

if (\*p == 'I')I++;

if (\*p == 'O')O++;

if (I < O) {

Truth = 0;

cout << "False" << endl;

break;

}

}

if (Truth == 1) {

if (I == O)cout << "True" << endl;

else cout << "False" << endl;

}

}

delete[]Stack;

return 0;

}

结果





