

```
#include <stdio.h>

int c;
int count0=0;
int count1=0;

void S();

int main()
{
    c=getchar();
    try{
        S();
        if (c=='\n') printf("Syntax checked\n");
        else throw c;
    }
    catch(int ch) {printf("Incorrect sequence \n");}
    return 0;
}

void S(){
    if (c=='0') {
        c=getchar();
        ++count0;
        S();
    }
    else
    if (c=='1'){
        c=getchar();
        ++count1;
        S();
    }
    else
        if (count0==count1) throw 0;
}
}
```