

int与string的转换

```
1  string int2str1(int num){
2      stringstream str1;
3      str1<<num;
4      string str2;
5      str2=str1.str();
6      return str2;
7  }
8
9  string int2str2(int num){
10     string str2;
11     str2=to_string(num);
12     return str2;
13 }
14
15 int str2int1(string str1){
16     istringstream str2(str1);
17     int num;
18     str2>>num;
19     return num;
20 }
21
22 int str2int2(string str){
23     int num;
24     num=atoi(str.c_str());
25     return num;
26 }
```

比较字符串大小

```
1  bool cmp_str(string x1,string x2){
2      if(x1==x2) return true;
3      else if(x1.length()!=x2.length()) return x1.length()>x2.length();
4      else return x1>x2;
5  }
```

进制转换(10toOther)

```
1  string d_to_oth(int n,int radix){
2      int flag=-1;
3      string ans="";
4      if(n<0){
5          flag=1;
6          n=-n;
```

```

7      }
8      do{
9          int t=n%radix;
10         if(t>=0 and t<=9) ans+=t+'0';
11         else ans+=t-10+'A';
12         n/=radix;
13     }while(n!=0);
14     reverse(ans.begin(),ans.end());
15     if(flag==1) ans="-"+ans;
16     return ans;
17 }

```

快读快写

```

1  #include<iostream>
2  using namespace std;
3
4  inline int IntRead(){
5      char ch=getchar();
6      int s=0,w=1;
7      while(ch<'0' || ch>'9'){
8          if(ch=='-') w=-1;
9          ch=getchar();
10     }
11     while(ch>='0' && ch<='9'){
12         s=s*10+ch-'0',
13         ch=getchar();
14     }
15     return s*w;
16 }
17
18 inline string StringRead(){
19     string str;
20     char s=getchar();
21     while(s==' ' || s=='\n' || s=='\r'){
22         s=getchar();
23     }
24     while(s!=' ' && s!='\n' && s!='\r'){
25         str+=s;
26         s=getchar();
27     }
28     return str;
29 }
30
31 inline double DoubleRead(){
32     long long s=0,w=1,k=0,n=0,m=0;
33     char ch=getchar();
34     while(ch<'0' || ch>'9'){

```

```

35         if(ch=='-') w=-1;
36         ch=getchar();
37     }
38     while((ch>='0' && ch<='9') || ch=='.'){
39         if(ch=='.') n=1;
40         else if(n==0) s=s*10+ch-'0';
41         else k=k*10+ch-'0',m++;
42         ch=getchar();
43     }
44     return(pow(0.1,m)*k+s)*w;
45 }
46
47 inline void IntWrite(int s){
48     int k=0,len=0;
49     if(s==0) putchar('0');
50     while(s){
51         k=k*10+s%10;
52         s/=10,len++;
53     }
54     for(int i=0;i<len;i++){
55         putchar(k%10+'0');
56         k/=10;
57     }
58 }
59
60 inline void StringWrite(std::string str){
61     int i=0;
62     while(str[i]!='\0'){
63         putchar(str[i]),i++;
64     }
65 }
66
67 inline void DoubleWrite(double a){
68     int mi=0,s[100];
69     if (a==0) putchar('0');
70     while(a!=(long long int)a){
71         a*=10,mi++;
72     }
73     long long int k=a,len=0;
74     while(k!=0){
75         s[len]=k%10,len++,k/=10;
76     }
77     for(len--;len>=0;len--){
78         if(len==mi-1) putchar('.');
79         putchar(s[len]+'0');
80     }
81 }
82

```