

406410114 UVA10409 Die Game

```
// 1 top 6 down
// 2 north 5 south
// 3 west 4 east

#include <bits/stdc++.h>
using namespace std;
int main(){
    int i,j,k,cmd_num;
    while ( cin>>cmd_num ){
        if ( cmd_num ==0 )
            break;
        string cmd;
        int u = 1,d=6,n=2,s=5,w=3,e=4;
        for ( i = 0;i <cmd_num;i++ ){
            cin >> cmd;
            int temp ;
            if ( cmd[0] == 'n' ){
                temp = u;
                u = s;
                s = d;
                d = n;
                n = temp;
            }//if

            else if ( cmd[0] == 's' ){
                temp = u;
                u = n;
                n = d;
                d = s;
                s = temp;
            }//if

            else if ( cmd[0] == 'w' ){
                temp = u;
                u = e;
                e=d;
                d=w;
                w = temp;
            }//if

            else if ( cmd[0] == 'e' ){
                temp = u;
                u = w;
                w = d;
                d = e;
                e = temp;
            }//if

        }//for
        cout <<u << endl;

        // 1 top 6 down
        // 2 north 5 south
        // 3 west 4 east

    }//while

    return 0;
}
//amin
```