**Traceme1a Reverse Writeup**

Flag: mocsctf{wstklnmg}

Challenge: Can you get the flag by inputting the correct key?

Writeup:

Open the binary with tools like IDA pro, and decompile it:

Graphical user interface, text, application

Description automatically generated

We can get the program logic is to compare each characters of input and “aYuvmnpoi[i]-2”. Next we can check the value of aYuvmnpoi by double click the variable name:

Graphical user interface, text, application, email

Description automatically generated

So shift each of characters in string ‘yuvmnpoi’ by ‘-2’:

y -> w, u->s, v->t, m->k, n->l, p->n, o->m, i->g, the flag is mocsctf{wstklnmg}.