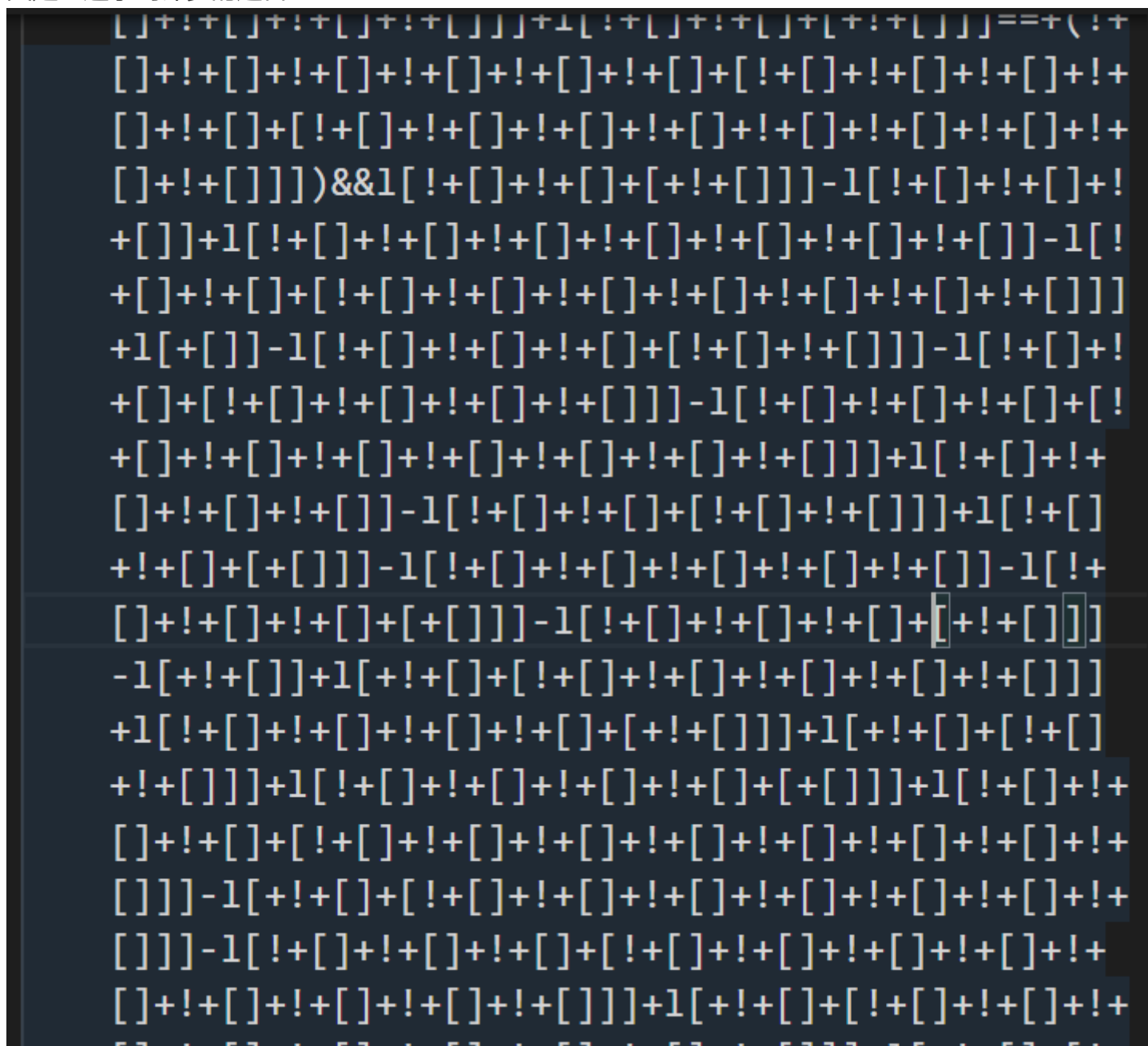又是一道学到许多的题目

这一看就知道肯定有什么技巧不知道，直接看wp
发现是jsFuck加密（很神奇）
揭秘方法是利用google-closure-compiler来压缩源代码


```
google-closure-compiler --js .\equation.js --js_output_file file.out.js
```

```javascript
flag="xxx";
42==flag.length&&(l=flag.split("").map(function(a)
861==l["40"]+l["35"]+l["34"]-l[0]-l["15"]-l["37"]+
-448==l["31"]+l["26"]+l["11"]-l["33"]+l["27"]-l[3]
1244==l["26"]+l["14"]+l["15"]+l[9]+l["13"]+l["30"]
-39==l[5]+l["22"]+l["15"]+l[2]-l["28"]-l["10"]-l[3
485==l["41"]-l["29"]+l["23"]-l[4]+l["20"]-l["33"]+
-1068==l["13"]+l["19"]+l["21"]-l[2]-l["33"]-l[0]+l
939==l["32"]+l[0]+l[9]+l["14"]+l["11"]+l["18"]-l["
413==l["19"]+l["11"]+l["20"]-l["16"]+l["40"]+l["25
117==l["22"]+l[4]-l[9]+l["34"]+l["35"]+l["17"]+l[3
-313==l["32"]+l["16"]+l[3]+l["11"]+l["34"]-l["31"]
-42==l["40"]-l[1]+l[5]+l[7]+l["33"]+l["29"]+l["12"
289==l["21"]+l["26"]-l["17"]-l["25"]+l["27"]-l["22
-117==l["29"]+l["31"]+l["32"]-l["17"]-l[7]+l["34"]
-252==l[5]+l["37"]-l["39"]+l[0]-l["27"]+l["12"]+l[
-183==l["29"]+l["10"]-l["41"]-l[9]+l["12"]-l["28"]
188==l[6]-l[8]-l["20"]+l["34"]-l["33"]-l["25"]-l[4
1036==l[3]+l[6]-l["41"]+l["10"]+l["39"]+l["37"]+l[
328==l["28"]-l["33"]+l[2]+l["37"]-l["12"]-l[9]-l["
-196==l["22"]-l["32"]+l["17"]-l[9]+l["20"]-l["18"]
7==l["11"]+l["13"]+l["14"]-l["15"]-l["29"]-l[2]+l[
-945==l["34"]-l["37"]-l["40"]+l[4]-l["22"]-l["31"]
-480==l["12"]-l["30"]-l[8]+l["20"]-l[2]-l["36"]-l[
```

现在看着就舒服多了

但是还是很多，看一下就知道要用python z3库来算答案

```python
from z3 import *
```

```python
if __name__ == "__main__":
    s = Solver()
```

```python
l = [Int('l[%d]' % i) for i in range(42)]    #定义l[0] - l[41]都是int类型
#以下都是公式
s.add(861 == l[40] + l[35] + l[34] - l[0] - l[15] - l[37] + l[7] + l[6] - l[26] + l[20] + l[19]
    14] - l[38] + l[1] - l[9] + l[22] + l[41] + l[3] - l[29] - l[36] - l[25] + l[5] + l[32] - l[
        24] + l[30] + l[39] + l[10] + l[2] + l[27] + l[28] + l[21] + l[33] - l[18] + l[4])
s.add(
    -448 == l[31] + l[26] + l[11] - l[33] + l[27] - l[3] + l[12] + l[30] + l[1] + l[32] - l[16]
        25] + l[38] - l[41] - l[14] - l[19] + l[29] + l[36] - l[9] - l[28] - l[6] - l[0] - l[22]
    l[37] + l[4] - l[24] + l[34] - l[21] - l[39] - l[23] - l[8] - l[40] + l[15] - l[35])
s.add(
    1244 == l[26] + l[14] + l[15] + l[9] + l[13] + l[30] - l[11] + l[18] + l[23] + l[7] + l[3] +
        24] - l[39] - l[35] - l[20] + l[40] - l[8] + l[10] - l[5] - l[33] - l[31] + l[32] + l[19
    l[1] + l[16] + l[17] + l[29] + l[22] - l[4] - l[36] + l[41] + l[38] + l[2] + l[0])
s.add(-39 == l[5] + l[22] + l[15] + l[2] - l[28] - l[10] - l[3] - l[13] - l[18] + l[30] - l[9] +
    34] + l[23] - l[17] + l[16] - l[7] + l[24] - l[39] + l[8] - l[12] - l[40] - l[25] + l[37] -
        14] + l[20] - l[27] + l[4] - l[33] - l[21] + l[31] - l[6] + l[1] + l[38] - l[29])
s.add(
    485 == l[41] - l[29] + l[23] - l[4] + l[20] - l[33] + l[35] + l[3] - l[19] - l[21] + l[11] +
        17] + l[37] + l[1] + l[16] - l[0] - l[13] + l[7] + l[10] + l[14] + l[22] + l[39] - l[40]
    l[32] + l[25] - l[2] + l[15] + l[6] + l[28] - l[8] - l[5] - l[31] - l[30] - l[27])
s.add(
    -1068 == l[13] + l[19] + l[21] -
    l[2] - l[33] - l[0] + l[39] + l[31] - l[23] - l[41] + l[38] - l[29] + l[36] + l[24] - l[20]
        37] - l[35] + l[40] + l[7] - l[26] + l[15] - l[10] - l[6] - l[16] - l[4] - l[5] - l[30]
        25] - l[34] - l[17] - l[11] - l[27] + l[1] - l[28])
s.add(939 == l[32] + l[0] + l[9] + l[14] + l[11] + l[18] - l[13] + l[24] - l[2] - l[15] + l[19]
    39] - l[8] - l[3] + l[33] + l[6] - l[5] - l[35] - l[28] + l[25] - l[41] + l[22] - l[17] + l[
        34] + l[27] - l[20] + l[23] + l[31] - l[16] +
    l[7] + l[12] - l[30] + l[29] - l[4])
s.add(
    413 == l[19] + l[11] + l[20] - l[16] + l[40] + l[25] + l[1] - l[31] + l[28] - l[23] + l[14]
        35] + l[39] - l[37] - l[8] - l[22] + l[5] - l[6] + l[0] - l[32] + l[24] + l[33] + l[29]
        2] + l[30] + l[7] + l[12] - l[3] - l[17] + l[34] + l[41] - l[4] - l[13] - l[26])
s.add(117 == l[22] + l[4] - l[9] + l[34] + l[35] + l[17] + l[3] - l[24] + l[38] - l[5] - l[41] -
    25] + l[33] + l[15] - l[1] - l[10] + l[16] - l[29] - l[12] + l[26] - l[39] - l[21] - l[18] -
        13] + l[8] + l[37] + l[19] + l[14] + l[32] + l[28] - l[11] + l[23] + l[36] + l[7])
s.add(
    -313 == l[32] + l[16] + l[3] + l[11] + l[34] - l[31] + l[14] + l[25] + l[1] - l[30] - l[33]
        29] + l[18] - l[27] + l[13] - l[19] - l[12] + l[23] - l[39] - l[41] - l[8] + l[22] - l[5
    l[37] + l[17] - l[36] + l[24] - l[21] + l[2] - l[26] + l[20] - l[7] + l[35] - l[0])
s.add(
    -42 == l[40] - l[1] + l[5] + l[7] + l[33] + l[29] + l[12] + l[38] - l[31] + l[2] + l[14] - l[
        24] - l[39] - l[9] - l[28] + l[23] - l[17] - l[22] - l[26] + l[32] - l[11] + l[4] - l[36
    l[18] - l[16] + l[6] - l[0] + l[3] - l[30] + l[37] - l[19] + l[21] + l[25] - l[15])
s.add(
    289 == l[21] + l[26] - l[17] - l[25] + l[27] - l[22] - l[39] - l[23] - l[15] - l[20] - l[32]
        6] + l[28] + l[31] + l[13] - l[16] - l[37] - l[30] - l[5] + l[41] + l[29] + l[36] + l[1
    l[18] - l[40] + l[19] - l[35] + l[2] - l[38] + l[14] - l[9] + l[4] + l[0] - l[33])
s.add(-117 == l[29] + l[31] + l[32] - l[17] - l[7] + l[34] + l[2] + l[14] + l[23] - l[4] + l[3]
    9] - l[20] - l[37] + l[24] - l[27] + l[36] + l[15] - l[18] - l[0] + l[12] + l[11] - l[38] +
        39] - l[25] - l[10] - l[19] - l[1] + l[13] - l[41] + l[30] - l[16] + l[28] - l[26])
```

```
s.add(-252 == l[5] + l[37] - l[39] + l[0] - l[27] + l[12] + l[41] - l[22] + l[8] - l[16] - l[38]
    35] - l[29] + l[18] + l[6] - l[25] - l[28] + l[36] + l[34] + l[32] - l[14] - l[1] + l[20] +
        4] - l[7] + l[26] + l[30] - l[10] + l[13] - l[21] + l[2] - l[23] - l[3] - l[33])
s.add(
    -183 == l[29] + l[10] - l[41] - l[9] + l[12] - l[28] + l[11] + l[40] - l[27] - l[8] + l[32]
        39] - l[1] - l[36] - l[15] + l[33] - l[20] + l[18] + l[22] - l[3] + l[6] - l[34] - l[21]
    l[13] - l[4] + l[7] - l[37] + l[38] - l[2] - l[30] - l[0] - l[35] + l[5] + l[17])
s.add(188 == l[6] - l[8] - l[20] + l[34] - l[33] - l[25] - l[4] + l[3] + l[17] - l[13] - l[15] -
    30] - l[14] - l[28] - l[35] + l[38] - l[22] + l[2] + l[24] - l[29] + l[5] + l[9] + l[37] + l
        19] - l[21] + l[11] + l[36] + l[41] - l[7] - l[32] + l[10] + l[26] - l[0] + l[31]
        )
s.add(1036 == l[3] + l[6] - l[41] + l[10] + l[39] + l[37] + l[1] + l[8] + l[21] + l[24] + l[29]
    38] + l[11] + l[23] + l[28] + l[33] - l[31] + l[14] - l[5] + l[32] - l[17] + l[40] - l[34] +
        16] + l[19] + l[2] - l[36] - l[7] + l[18] + l[15] + l[26] - l[0] - l[4] + l[35])
s.add(328 == l[28] - l[33] + l[2] + l[37] - l[12] - l[9] - l[39] + l[16] - l[32] + l[8] - l[36]
    4] + l[21] - l[25] + l[18] + l[24] - l[0] + l[29] - l[26] + l[35] - l[22] - l[41] - l[6] + l
        40] + l[7] + l[34] + l[17] - l[3] - l[13] + l[5] + l[23] + l[11] - l[27] + l[1])
s.add(
    -196 == l[22] - l[32] + l[17] - l[9] + l[20] - l[18] - l[34] + l[23] + l[36] - l[35] - l[38]
        5] - l[41] + l[29] + l[33] + l[0] - l[37] + l[28] - l[40] - l[11] - l[12] + l[7] + l[1]
        16] - l[8] + l[24] - l[25] + l[3] - l[6] - l[19] - l[39] - l[14] - l[31] + l[10])
s.add(
    7 == l[11] + l[13] + l[14] - l[15] - l[29] - l[2] + l[7] + l[20] + l[30] - l[36] - l[33] - l
        0] - l[39] - l[4] - l[6] + l[38] + l[35] - l[28] + l[34] - l[9] - l[23] - l[26] + l[37]
        5] - l[41] + l[3] + l[17] + l[40] - l[10] + l[25] + l[12] - l[24] + l[18] + l[32])
s.add(
    -945 == l[34] - l[37] - l[40] + l[4] - l[22] - l[31] - l[6] + l[38] + l[13] - l[28] + l[8] +
        7] - l[32] + l[26] + l[1] - l[18] + l[5] + l[35] - l[24] - l[41] + l[9] - l[0] - l[2] -
        12] - l[36] + l[33] - l[16] - l[14] - l[25] - l[29] - l[21] + l[27] + l[3] - l[17])
s.add(-480 == l[12] - l[30] - l[8] + l[20] - l[2] -
        l[36] - l[25] - l[0] - l[19] - l[28] - l[7] - l[11] - l[33] + l[4] - l[23] + l[10] - l[41]
        l[27] + l[18] + l[15] + l[34] + l[13] - l[40] + l[29] - l[6] + l[37] - l[14] - l[16] + l[3
        l[31] - l[22] - l[35] + l[5] - l[1])
s.add(
    -213 == l[36] - l[11] - l[34] + l[8] + l[0] + l[15] + l[28] - l[39] - l[32] - l[2] - l[27] +
        30] - l[3] + l[31] - l[26] + l[20] + l[17] - l[29] - l[18] + l[19] - l[10] + l[6] - l[5]
    l[24] + l[4] + l[23] + l[9] + l[14] + l[21] - l[37] + l[13] - l[41] - l[12] + l[35])
s.add(
    -386 == l[19] - l[36] - l[12] + l[33] - l[27] - l[37] - l[25] + l[38] + l[16] - l[18] + l[22
    l[7] - l[31] - l[26] + l[15] - l[10] - l[9] - l[2] - l[30] - l[11] + l[41] - l[4] + l[24] +
        17] + l[14] + l[6] + l[8] - l[21] - l[23] + l[32] - l[1] - l[29] - l[0] + l[3])
s.add(l[0] + l[7] - l[28] - l[38] + l[19] + l[31] - l[5] + l[24] - l[3] + l[33] - l[12] - l[29]
    34] - l[9] - l[25] + l[26] - l[8] + l[4] - l[10] + l[40] - l[15] - l[11] - l[27] + l[36] + l
        35] - l[13] - l[17] - l[21] - l[18] + l[39] - l[2] + l[20] - l[23] - l[22] == -349)
s.add(
    98 == l[10] + l[22] + l[21] - l[0] + l[15] - l[6] + l[20] - l[29] - l[30] - l[33] + l[19] +
        41] - l[
        27] - l[12] - l[37] - l[32] + l[34] - l[36] + l[3] + l[1] - l[13] + l[18] + l[14] + l[9]
        8] + l[2] - l[31] - l[5] - l[40] + l[38] - l[26] - l[4] + l[16] - l[25])
s.add(
    -412 == l[28] + l[38] + l[20] + l[0] - l[5] - l[34] - l[41] + l[22] - l[26] + l[11] + l[29]
```

```
                16] + 1[
            23] + l[17] - l[18] + l[9] - l[4] - l[12] - l[19] - l[40] - l[27] + l[33] + l[8] - l[37]
            24] - l[39] + l[10] + l[35] - l[1] + l[30] - l[36] - l[25] - l[14] - l[32])
s.add(-95 == l[1] - l[24] - l[29] + l[39] + l[41] + l[0] + l[9] - l[19] + l[6] - l[37] - l[22] +
    28] + l[
        36] + l[4] - l[17] + l[20] - l[13] - l[35] - l[5] + l[33] - l[27] - l[30] + l[40] + l[
        34] - l[
        3] - l[10] - l[16] - l[23] - l[38] + l[8] - l[14] - l[11] - l[7] + l[12])
s.add(
    -379 == l[2] - l[24] + l[31] + l[0] + l[9] - l[6] + l[7] - l[1] - l[22] + l[8] - l[23] + l[4
    l[11] -
    l[14] + l[18] - l[36] + l[15] - l[4] - l[41] - l[12] - l[34] + l[32] - l[35] + l[17] - l[21]
    l[39] - l[16] + l[27] + l[26] - l[3] - l[5] + l[13] + l[25] - l[28])
s.add(861 == l[19] - l[17] + l[31] + l[14] + l[6] - l[12] + l[16] - l[8] + l[27] - l[13] + l[41]
    32] + l[
        1] + l[25] - l[9] + l[37] + l[34] - l[18] - l[40] - l[11] - l[10] + l[38] + l[21] + l[
      l[
        15] + l[23] - l[20] + l[26] + l[22] - l[4] - l[28] - l[5] + l[39] + l[35])
s.add(
    1169 == l[35] + l[36] - l[16] - l[26] - l[31] + l[0] + l[21] - l[13] + l[14] + l[39] + l[7]
        38] + l[
        17] + l[22] + l[32] + l[5] + l[15] + l[8] - l[29] + l[40] + l[24] + l[6] + l[30] - l[2]
        1] + l[12] + l[9] - l[10] - l[3] - l[19] + l[20] - l[37] - l[33] - l[18] == 1169)
s.add(
    -1236 == l[13] + l[0] - l[25] - l[32] - l[21] - l[34] - l[14] - l[9] - l[8] - l[15] - l[16]
        30] - l[
        40] - l[12] + l[3] - l[19] + l[4] - l[41] + l[2] - l[36] + l[37] + l[17] - l[1] + l[26]
        33] + l[5] - l[27] - l[23] - l[24] - l[7] + l[31] - l[28] - l[18] + l[6])
s.add(
    -114 == l[20] + l[27] - l[29] - l[25] - l[3] + l[28] - l[32] - l[11] + l[10] + l[31] + l[16]
        4] - l[24] - l[35] + l[26] + l[12] - l[37] + l[6] + l[23] + l[41] - l[39] - l[38] + l[40
    l[9] - l[5] - l[1] - l[13] - l[14] + l[19] + l[0] - l[34] - l[15] + l[17] + l[22])
s.add(
    659 == l[12] - l[28] - l[13] - l[23] - l[33] + l[18] + l[10] + l[11] + l[2] - l[36] + l[41]
        34] +
    l[32] + l[37] - l[38] + l[20] + l[6] + l[7] + l[31] + l[5] + l[22] - l[4] - l[15] - l[24] +
        1] - l[35] - l[9] + l[30] + l[25] - l[0] - l[8] - l[14] + l[26] + l[21])
s.add(-430 == l[21] - l[3] + l[7] - l[27] + l[0] - l[32] - l[24] - l[37] + l[4] - l[22] + l[20]
    31] - l[1] + l[15] + l[41] + l[12] + l[40] + l[38] - l[17] - l[39] + l[19] - l[13] + l[23] +
        6] - l[33] - l[9] + l[28] + l[8] - l[16] - l[10] - l[14] + l[34] + l[35] - l[11])
s.add(
    -513 == l[11] - l[23] - l[9] - l[19] + l[17] + l[38] - l[36] - l[22] - l[10] + l[27] - l[14]
        31] +
    l[2] + l[0] - l[16] - l[8] - l[28] + l[3] + l[40] + l[25] - l[33] + l[13] - l[32] - l[35] +
        41] - l[30] - l[12] - l[7] + l[37] - l[39] + l[15] + l[18] - l[29] - l[21])
s.add(
    -502 == l[32] + l[19] + l[4] - l[13] - l[17] - l[30] + l[5] - l[33] - l[37] - l[15] - l[18]
        14] + l[35] + l[40] + l[16] + l[1] + l[2] + l[26] - l[3] - l[39] - l[22] + l[23] - l[36]
        6] - l[41] - l[0] - l[31] - l[20] + l[12] - l[8] + l[29] - l[11] - l[34] + l[21])
s.add(
    853 == l[30] - l[31] - l[36] + l[3] + l[9] - l[40] -
```

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    l[33] + l[25] + l[39] - l[26] + l[23] - l[0] - l[29] - l[32] - l[4] + l[37] + l[28] + l[21]
        24] + l[6] + l[5] + l[8] + l[16] + l[27] + l[19] + l[12] + l[20] + l[41] - l[22] + l[15]
    l[18] - l[38] + l[1] - l[14])
s.add(
    -28 == l[38] - l[10] + l[16] + l[8] + l[21] - l[25] + l[36] - l[30] + l[31] - l[3] + l[5] -
        28] + l[7] + l[12] - l[29] + l[22] - l[0] - l[37] - l[14] - l[11] + l[32] + l[33] - l[9]
    l[19] - l[1] + l[18] - l[4] - l[6] + l[13] + l[20] - l[2] - l[35] - l[26] +
    l[27])
s.add(
    -529 == l[11] + l[18] - l[26] + l[15] - l[14] - l[33] + l[7] - l[23] - l[25] + l[0] - l[6] -
        17] - l[19] - l[28] - l[38] - l[37] + l[9] + l[20] - l[8] - l[3] + l[22] - l[35] - l[10]
        41] - l[1] - l[4] + l[24] - l[34] + l[39] + l[40] + l[32] - l[5] + l[36] - l[27])
s.add(
    -12 == l[38] + l[8] + l[36] + l[35] - l[23] - l[34] + l[13] - l[4] - l[27] - l[24] + l[26] +
        5] - l[40] + l[28] - l[11] - l[2] - l[39] + l[15] + l[10] - l[17] + l[3] + l[19] + l[22]
        37] +
    l[16] - l[9] - l[32] + l[25] - l[21] - l[12] + l[6] - l[41] + l[20] - l[18])
s.add(
    81 == l[6] - l[30] - l[20] - l[27] - l[14] - l[39] + l[41] - l[33] - l[0] + l[25] - l[32] -
        12] + l[8] - l[35] - l[24] + l[15] + l[9] - l[4] + l[13] + l[36] + l[34] + l[1] - l[28]
        23] + l[29] - l[10] - l[38] + l[22] + l[37] + l[5] + l[19] + l[7] + l[16] - l[31])

s.check()
model=s.model()



for key in l:
    print(chr(int('%s' %model[key])),end ='')
```