

# Sheep2 Anomaly

ISUCDC Anomaly walk through

# What we were given:

## sheep2

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## Challenge

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Grep can't help you now.



# 300 Lines



How cute!



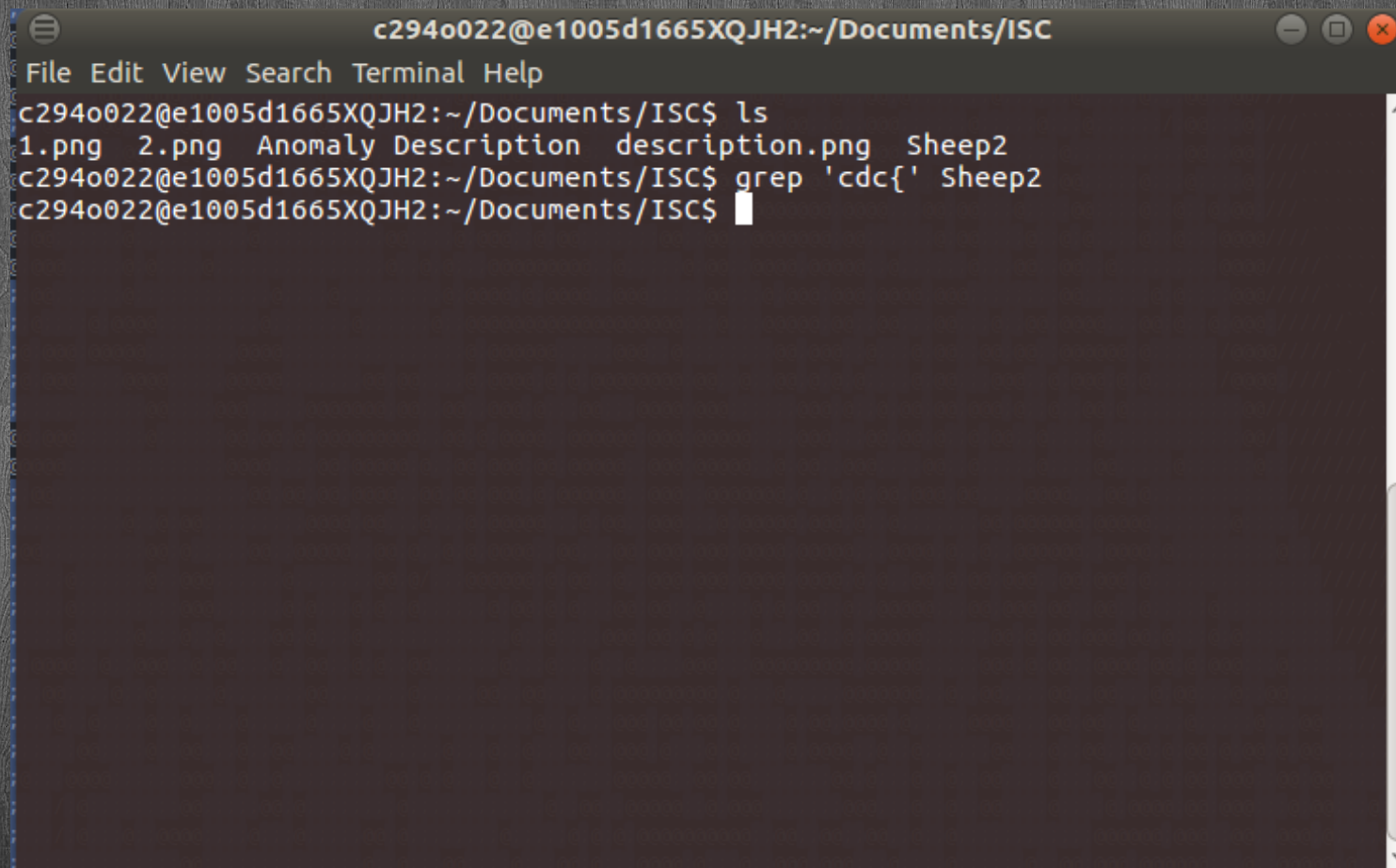


# What we were looking for:

- Some flag that looked like this
  - `cdc{...}`
- GREP CANT HELP US!?!?!?



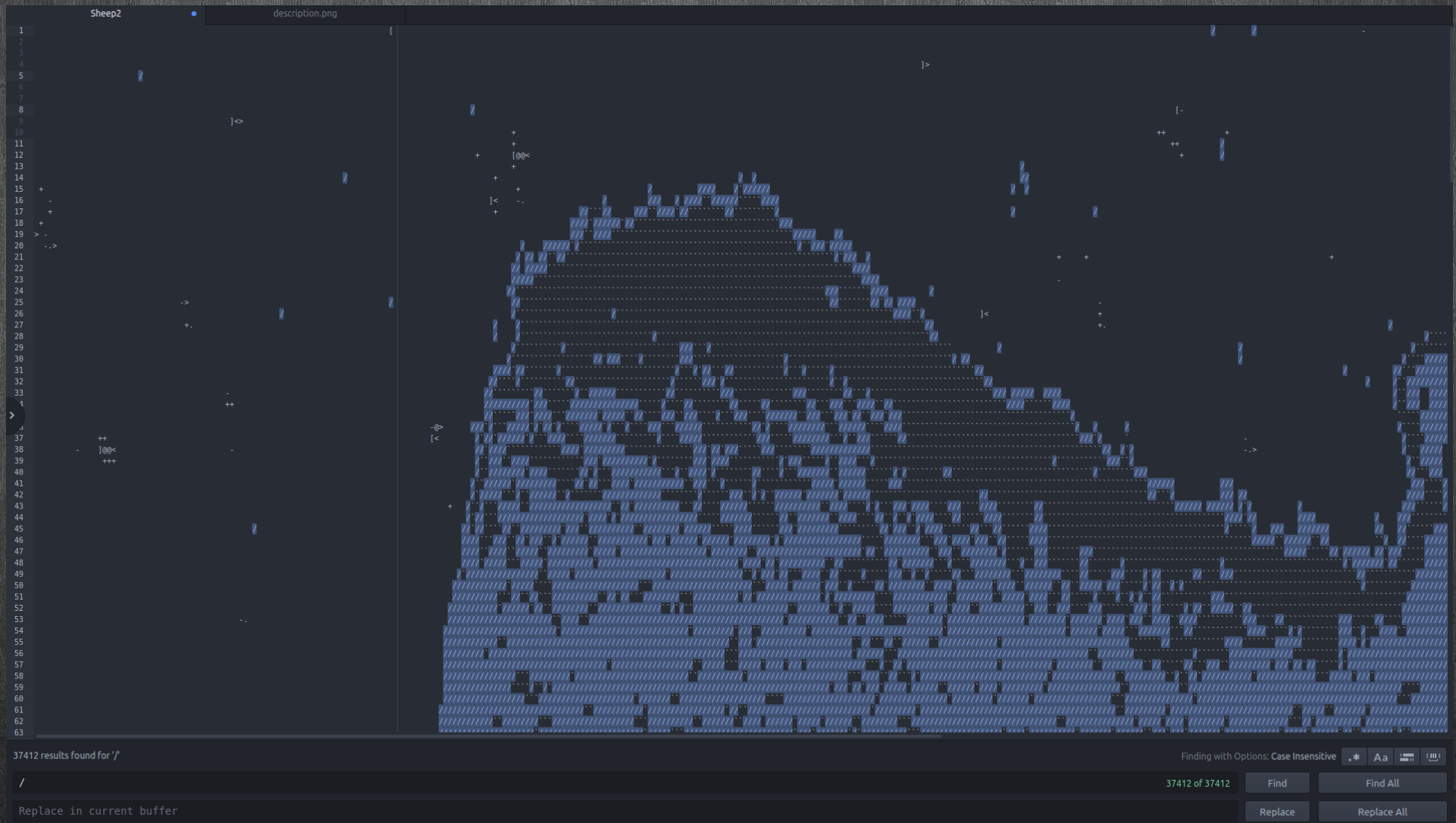
# First try:

A terminal window with a dark background and light-colored text. The window title bar shows the user 'c294o022' and the host 'e1005d1665XQJH2', along with standard window control buttons. The menu bar includes 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal content shows a series of commands and their outputs: 'ls' lists files including '1.png', '2.png', 'Anomaly Description', 'description.png', and 'Sheep2'; 'grep 'cdc{' Sheep2' is executed, resulting in no visible output.

```
c294o022@e1005d1665XQJH2:~/Documents/ISC
File Edit View Search Terminal Help
c294o022@e1005d1665XQJH2:~/Documents/ISC$ ls
1.png 2.png Anomaly Description description.png Sheep2
c294o022@e1005d1665XQJH2:~/Documents/ISC$ grep 'cdc{' Sheep2
c294o022@e1005d1665XQJH2:~/Documents/ISC$
```



# Second Try:





## Editor is not responding

The editor is not responding. Would you like to force close it or just keep waiting?

Close

Keep Waiting



- Removed

- ;

- @

- “ ”

- 、



```

1 [-
2
3
4 ]>
5
6
7
8 [-
9 ]<>+
10 ++++
11 ++++
12 +[<+
13 ++
14 +
15 ++++++>
16 -]<- .+ . - .>+
17 +++++[<++
18 +++
19 >-]<
20 -.>
21 +++
22 [<
23 -
24 -
25 ->-
26 ]<+
27 +.+
28 -
29
30
31
32
33
34
35
36
37
38 +++++[
39 ]<+
40 +
41 ++>
42 ++++
43 +[<
44 ...
45 >
46
47
48
49
50 ]<
51 ...++++>
52 ++
53 ]<
54 ++>
55 ]<+
56 +>
57 +
58 +[<.>
59 ]<...>+
60 +[<+
61 ++
62 +[<...>+
63 >]<]<...>+
64 ++[<++++
65 +[<...>+
66 ++[<
67 ...>
68 ]<+>
69 +++++[<
70 ++
71 +++++[<
72 ...>
73 +++++[<...
74 >]<]<+
75 ++>++++[<
76 +++++
77 +[<.>+
78 +[<.>]<+
79 ++>.>+
80 ++[<...>+
81 ]<...>++++[<
82 +++++
83 +[<...>
84 +++
85 ]<
86 ...
87 >
88 +
89 ]<+
90 ...>
91 ++[<+
92 ++>]<++++
93 +++++>+
94 ]<++++>]<+
95
96

```

# Result:

```

Sheep2
1  [-
2
3
4  ]>
5
6
7
8  [-
9  ]<>+
10 +++++
11 +++++
12 +[<+
13 ++
14 +
15 ++++++>
16 -]<- .+ . - .>+
17 +++++[<++
18 +++
19 >-]<
20 -.>
21 +++
22 [<
23 -
24 -
25 ->-
26 ]<+
27 +.+
28 -
29
30

```



# What We did next:

- Removed

- [
  - ]
  - ^
  - v
  - +



Sheep2

```
1 +
2
3
4
5
6
7
8 +
9
10
11
12
13
14
15
16 .....
17
18 |
19 +
20 +
21
22 +
23 +
24 +
25 ..
26
27 ..
28 +
29
30
31 ...
32
33 ..
34 ...
35 ..
36 ...
37
38 +
39
40
41 +
42
43 +
44 ...
45 +
46
47
48
49 +
50
51 ...
52
53 +
54 +
55 +
56 ...
57 ...
58
59
60
61 ...
62 ...
63 .....
64
65 +
66 .....
67 .....
68 +
69
70
71 ..
72 .....
73 ...
74 ...
75 +
76
77 +
78 .....
79 ..
80 .....
81 .....
82
83 .....
84
85
86 ...
87 +
88 +
89 ..
90 ...
91
92 +
93 +
94 +
95
```

# Result:

Sheep2

```
1 -
2
3
4
5
6
7
8 -
9
10
11
12
13
14
15
16 ---..
17
18
19 -
20 -.
21
22
23 -
24 -
25 --
26
27 ..
28 -
29
30
31 --.
32
33 --
34 --.
35 --
36 ---.
37
38 -
```



# What does this look like?

- Went down this path until the clock on the anomaly ran out.



# The solution:

- We had gone one step too far.
- The correct solution was on slide 10



## Sheep2



[-]>[-]<>+++++++++[[<+++++++++>-]<-,+,->+++++[[<+++++>-]<-,>+++



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About 43,400,000 results (0.59 seconds)

Geek Code - Wikipedia

[https://en.wikipedia.org/wiki/Geek\\_Code](https://en.wikipedia.org/wiki/Geek_Code) ▼

The Geek Code is a series of letters and symbols used by self-described "geeks" to inform fellow geeks about their personality, appearance, interests, skills, and opinions. The idea is that everything that makes a geek individual and different from all the other geeks in the world can be written down (encoded) in this very ...

[History](#) · [Format](#) · [Categories](#) · [Category-specific modifiers](#)

Output of `a++ + ++a + a++` - [GeekInterview.com](http://GeekInterview.com)

[www.geekinterview.com](http://www.geekinterview.com) › Interview Questions › Languages ▾

Feb 9, 2008 -  $y = ++x + x + 2$ . Statement  $y \times$ . -----  $y = ++x$ ;  $y = y - x + 0$ .  $y = ++x - x + 0$ .  
Statement  $y \times$ . -----  $y = ++x$ ;  $y = y + ++x + 3$ .  $y = ++x + ++x + 4$ . Statement  $y \times$ . -----  $y = ++x$ ;  $y = y - ++x - 1$ .  $y = ++x - ++x + 0$ . Statement  $y \times$ . -----  $y = ++x$ ;  $y = y + x - 2$ .  $y = ++x + x - 2$ .

## CRC Handbook of Animal Models for the Rheumatic Diseases

<https://books.google.com/books?isbn=0849329884>

Robert A. Greenwald, Herbert S. Diamond - 1988 - Medical

... SWELLING/HEAT \*++ ++++++ \*\* +- -++++ 56 CIRCULATING IgM +++ ++++++ \*\* -ND  
ANT1BODY IgG -- ++ +--- ND IgA +- ++++++ +- ND skin TEST REDNESS ++ ND REACTION  
INDURATION \*\* ERYTHROCYTE SEDIMENTATION +- --- +- - His TOPATHOLOGY PMN EXSUDATE +  
+++++ ++++++ + ...

## Human Pharmaceuticals, Hormones and Fragrances

<https://books.google.com/books?isbn=1843390930>

Thomas Ternes, Adriano Joss - 2007 - Science

... >25 d) +++ ++ -- +++++ Biofilter +++ ++ -- +++++ Soil, unsaturated zone +++++ -- +++++  
 +++ Groundwater, ++ n.d. n.d. n.d. n.d. --- saturated zone Sludge digestion +++ n.d. n.d. + ++  
 Fenton process (pH7) --- --- --- --- Effluent ozonation +++ ++ -- + + ++ Bank filtration ++++2)  
 ++++2) --- --- --- --- ...

Science Education - Volumes 5-6 - Page 570 - Google Books Result

<https://books.google.com/books?id=TsY4AQAAMAAJ>

1922 - Science

BREAD. WHITE (WATER) ? - - TOMATOES (m n mun ++ + + + + + + . " mium -> + ? ? BEANS. KIONEY~ of  
H4x is " WHOLE WHEAT mm) + + + ? . mtyv . . . . . a 44+ . . " . -- (mun ++ + - + - l , , srrma (FRESH)  
++ + + "HARLEY (WHOLE)-~ ~ + ++ - CABBAGE. FRESH. RAW-- + + + + ? CORN. YELLOW + + - . " . COOKED  
+ + + ...

## Brainfuck Visualizer

<https://fatiharikli.github.io/brainfuck-visualizer/> ▼

**increment** the data pointer (to point to the next cell to the right). **<**, **decrement** the data pointer (to point to the next cell to the left). **+**, **increment** (increase by one) the byte at the data pointer. **-**, **decrement** (decrease by one) the byte at the data pointer. **.** output the byte at the data pointer. **„** accept one byte of input, storing its ...





brainfuck decoder



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About 32,700 results (0.34 seconds)

### Brainfuck Language - Decoder, Encoder, Solver, Translator - dCode

<https://www.dcode.fr/brainfuck-language>

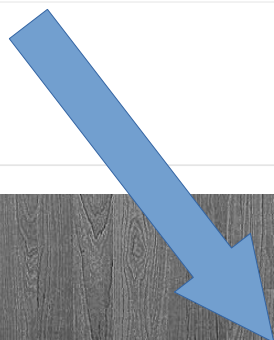
Tool to decode/encode in Brainfuck. ... Brain Fuck is not a proper encryption system, but rather a programming language that has been obfuscated. ... How to encrypt using Brainfuck Shortcut code? You've visited this page many times. Last visit: 2/20/18

### Brainfuck/Text/Ook! obfuscator - deobfuscator. Decode and encode ...

[https://www.splitbrain.org/\\_static/ook/](https://www.splitbrain.org/_static/ook/)

#### People also search for

ook interpreter    binary translator  
base64 translator    calculator text generator  
morse code decoder



```
---  
->  
-  
]<--  
-.,++.>  
+++[<+  
++>-]<+++.  
++++.,>+++  
[<++++>-]<+.
```

Text to Ook!

Text to short Ook!

Ook! to Text

Text to Brainfuck

Brainfuck to Text



# FINALLY!!

```
cdc{turkey_chicken_tractors_tacos}
```

Text to Ook!

Text to short Ook!

Ook! to Text

Text to Brainfuck

Brainfuck to Text