

Fairytales

Looking for encoded strings. The keywords value is just a red herring. Other logic strings encoded will be the UUID. (after trying so many tools to extract pdf metadata)

```
$ exiftool Fairytales.pdf
ExifTool Version Number      : 13.00
File Name                    : Fairytales.pdf
Directory                   : .
File Size                    : 28 kB
File Modification Date/Time   : 2024:12:21 11:14:26+08:00
File Access Date/Time        : 2024:12:21 16:51:43+08:00
File Inode Change Date/Time   : 2024:12:21 11:14:42+08:00
File Permissions              : -rwxrwxrwx
File Type                    : PDF
File Type Extension          : pdf
MIME Type                    : application/pdf
PDF Version                  : 1.7
Linearized                   : No
Page Count                   : 5
Producer                     : Fairytales
Title                        : The Eternal Navigator
Author                       : Dr. Elena Markov
UUID                         : ,UImd-#t;S9KurE2dp]>B-Kl,5TsQL3@$@-BL04&1Ee&fF_G88A53
Create Date                   : 2024:12:19 07:00:00+01:00
Keywords                     : Flag;,
NGUgNjkgNjMgNjUgMjAgNzQgNzlgNzkgMmMgMjAgNjUgNzggNzAgNmMgNmYgNzlgNjUgNzlgMjEgMjAgNDlgNzUgNzQgMjAgNz
QgNjggNjUgMjAgNzQgNzlgNzUgNjUgMjAgNzQgNzlgNjUgNjEgNzAgNmMgNzUgNzlgNjUgNzlgMjAgNmYgNjYgMjAgNzQgNjggNjUgMjAg
NDUgNzQgNjUgNzlgNmUgNjEgNmMgMjAgNGUgNjEgNzYgNjkgNjcgNjEgNzQgNmYgNzlgMjAgNzlgNjUgNmQgNjEgNjkgNmUgMjAg
gNjggNjkgNjQgNjQgNjUgNmUgMmUgMjAgNGlgNjUgNjUgNzAgMjAgNzAgMjAgNzAgMjAgNjUgNjUgNmIgNjkgNmUgNjcgMmMgMjAgNjEgNmUg
NjQgMjAgNzkgNmYgNzUgMjAgNmQgNjkgNjcgNjggNzQgMjAgNmEgNzUgNzlgMjAgNzUgNmUgNjMgNmYgNzYgNjUgNzlgM
jAgNzQgNjggNjUgNjkgNzlgMjAgNzAgMjAgNjUgNjMgNzlgNjUgNzQgNzAgMjAgNzUgNmUgNjMgNmYgNzYgNjUgNzlgM
Creator                       : Peyton Braun
Modify Date                   : 2024:12:19 07:00:00+01:00
Subject                       : Can you uncover the secrets of The Eternal Navigator
```

I put it in cyberchef and use magic wand and get base85 decode. The chapter 2 of the fairytale mention about 47 then voila

Recipe

From Base85

Alphabet
! - u

☒ Remove non-alphabet chars

ROT47 Brute Force

Sample length
100

Sample offset
0

☒ Print amount

Crib (known plaintext string)

Input

,UImd-#t;S9KurE2dp]>B-Kl,5TsQL3@\$@-BL04&1Ee&fF_G88A53

Output

Amount = 47: STOUTCTF{n2ff2B98QwhoP29hSaV9tTabPTGF94Z5}

Amount = 48: TUPVUDUG|o3gg3C:9RxiPQ3:iTbw:uUbcQUHG:5[6~

Amount = 49: UVQWVEVH}p4hh4D;:SyjqR4;jUcX;vVcdRVIH;6\7!

Amount = 50: VWRXWFWI~q5ii5E<;TzkrS5<kVdY<wWdeSWJi<7]8"

Amount = 51: WXSXXGXJ!r6jj6F=<U{1sT6=1WeZ=xXefTXKJ=8^9#

Amount = 52: XYTYHYK"s7kk7G>=V|mtU7>mXf[>yYfgUYLK>9_:\$

Amount = 53: YZU[ZIZL#t8l18H?>W}nuV8?nYg\?zZghVZML?:`;%

Amount = 54: Z[V\[J[M\$u9mm9I@?X~ovW9@oZh]@{[hiw[NM@;a<&

Amount = 55: [\W]\K\N%v:nn:JA@Y!pwX:Ap[i^A|\ijX\ONA<b='

Amount = 56: \]X^]L]O&w;oo;KBAZ"qxY;Bq\j_B}]jkY]POB=c>(<

Amount = 57:]^Y_^M^P'x<pp<LCB[#ryZ<Cr]k^C~^k1Z^QPC>d?)

Amount = 58: ^_Z'_N_Q(y=qq=MDC\\$\$z[=Ds^1aD!_1m\^_RQD?e@*

Amount = 59: _[a^O^R)z>rr>NED}%t{\>Et_mbE""mn\^SRE@fA+