Cicada 3301 MIDI Puzzles

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*I put \*\*\*\*\* on some places to protect identity\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

==========1. RSA key==========================================================================================

- -----BEGIN COMPRESSED RSA ENCRYPTED MESSAGE-----

Version: 1.99

Scheme: Crypt::RSA::ES::OAEP

\*\*\*\*\*\*\*\*/zEwADE4OABDeXBoZXJ0ZXh0B4KeBtKjJ7hGKC7/zqyzxUoFDTzRuU4+TLFUrw9qDGjk

YI3fjyMn3G/w9WcfkZMGHdGRicbpTsDO3/oqmVtZpmIDY2HPOeWIZChuLfMDwT3FTUkDjQpsq390

OJ90pArd1JRxdIZtnCvnVy/vg+1MjAFH3ta+CuAwHsIY/3lGOKTin1+5M30BKh7NOQMmBcJ8/RuL

TfXMGQT01QVMeAGq6vORk3iw39KOLRU3Lcn1804G1/zd2mdFWvEMaTbu/F+7

=0KfiT9PUe6QkwJXoM36Ukw==

- -----END COMPRESSED RSA ENCRYPTED MESSAGE-----

Here is the public key used to encrypt it. Note that it has a low bit modulus and is therefore breakable:

$VAR1 = bless( {

'e' => 65537,

'n' => '\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*234687598764987896\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*86789697850342421310\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*1759008957255433116412000179\*\*\*\*\*\*\*\*\*\*\*',

'Version' => '1.99',

'Identity' => ''

}, 'Crypt::RSA::Key::Public' );

The encrypted message is a number. Break the decryption key, then come back to this same URL and enter the

decrypted message to continue. Each person who has come this far has received a unique message encrypted

with a unique key. You are not to collaborate. Sharing your message or key will result in not receiving

the next step.

There is a second chance to get your own RSA message and key. Follow the "Numbers dot TK" hint to find it.

There are many fake messages out there. Only messages signed with public key ID 7A35090F are valid.

Good luck.

3301

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.11 (GNU/Linux)

iQIcBAEBAgAGBQJPEi5PAAoJEBgfAeV6NQkPV58P/0vBho7MrgWy4V4v2CGcq3gU

OfNQ+k/z3TRvJZamGqM0bJbYgaHyG6mekf4v7o68b6v7Riir3maljP0snKV6Wv6j

Ea8tzLZGonrgIJSSH4Ri3Ce9JiX4FGgNf8kY/3MahW5+TPoJGOmugfAf51XrUafH

xTGK6aa9VQoQgg4Hxig8+BQAcNOGBvrnLu2MX4e+K8877YzNhymPNQGiKa/vm/gv

BZN8S5tP9JYbSxZIU9EY5/Ny1c7Rb4uWJfmVm0EuKhx4gnVTuo7DXmZh0bcSmgk+

BPsg/mLdFVKMNaf8Znam4Lg7oGby6fg7duwNcRBtH242oDZi7Ar2PaULDeaEhVS9

Z29zFPGNpwDc8E7hecbfBzlLARkiMOApgORfBeTVP7c3p38efg+24v7Rp26J61Qf

qtppmijeO+BuytVm8XlmGLoMvL8NlCx/9ghTnaQN1hBWT/WpCPRCLC0F982zvfzC

Zhu0lPouHYdB9QYRuUcMQP03UcZNyFsdmw1epVLfL3QP9TzDoeLBopu/gHNARUzp

Icx7rqme633XCldmnLn91CMGBOMGLQGdC+z16e9zQGYuliE/SfB66Kebz2f8ZBpK

Dqw5Riu8BQAPMK1kt9evb7L/a7TZD5ISlh253ES9Tmi8/Nxot7hGMuHXFvEdajyK

qwcTZ2vegt8Tu6Hb7199

=S6GG

-----END PGP SIGNATURE-----

======2. Midi files =====================================================================================

This song is your own path

Another stop on the road toward enlightenment

Follow it, and share not

Let the Chorus be your guide to the depths :

Let the Priests of the Raven of dawn,

no longer in deadly black, with hoarse note

curse the sons of joy. Nor his accepted

brethren, whom, tyrant, he calls free lay the

bound or build the roof. Nor pale religious

letchery call that virginity, that wishes

but acts not.

For every thing that lives is Holy.

Good luck.

3301

-----BEGIN PGP MESSAGE-----

Version: GnuPG v1.4.11 (GNU/Linux)

\*\*\*\*\*\*\*\*\*UYv7sgBJgPZoyjo+PaGKgwyLogiOywtKPhA018ral4ES3QFMfMIR1z

ljWQlFTykSY44iMZc1BMS0VCwdHRICMmK0odn5maGWiJjXTu4zzuOfcCM039xV/n

3nO+5+/7fd+5O7v+eS/BbAJ9TTeXRfl1NR3onTLb35mRljonNXxBxpzxfVZnJ01K

nyMIgo9gErwEMWnS4vnwbZDQYnpRkbOkLrEkZS60jE5daBlis1iHxlqHxVojLUMi

rEOElsGCotG53RoTvHx3WoRTPsLpgUKLy9vXBJ4TWqaZTYKwIV50O9zx8MEuArcd

rjHSRgx8iBY9gjsaPiTAkwR5FTVrHNyPE9yLaEnlxC7ZsAtggxOKOGVbQBZgvEkC

oiyAvSITXFzx8CAeasRJB3FYEkBVIGsik3a4b6csxUoKsXK8siZQAyem0Xs01IiW

NYCsgKLGLrUKOrEgTQKEEguKDSsQYJBLOUgA0wRy2si3Ckyug3fGhYcf0AmyjrDT

YikpiJrEUaVRdFziSFGbF21QhRgBgeuKJA0wRdkAKgaFGcq7ZFGULRJDMukIYghz

1SUwpCUlgoyhfFjgFIBoqIGKtLJy6WGy4YIS6iOIFO7gYFCiqBgoWq1PQMWEacwQ

gmMX2xKcCUNQcR7cWDAeGKoOHAgGgRgTkaMLrh1Bh82aTdLwgCUIApoFPEEykMC1

DaEgFmCoRg8EkZkk7OzBZcdHRt4M8yHjyWhcAWoK6BjiWGsIoaFkjFQf+oAZ4IAa

5KLuxKeaEagYstgBuYEMOAppxkGIZgeiGcd3rsRMxu0aGu0IiJ+LoHXyotpR80Nb

ZGUlglRltNcdGy9/a7GmUUXYZqXYzVwDTmlDvyvbnEWoRv/hyEUNz31UKD4pGvDX

sAJNW2wAemEAhhWorZl5SeZ5m0wjvaOeINC03zz8DIafC+0w39Y807nFmLRz6E87

enyRdlYEPQRrLh6mazwkPZ2u0LaeyrLWVLTj1cOPS/ZbhrqDJAGPxpYeVz0kaQ4m

9lMTR2H4rYZtagFEPjx08TGAoDV0yC+GrvX//hdDQYQoZkfA1SqCbKv87nbIG/gB

ppQdjSUAfBfl9zBJIAw+hMKNUMpEuHQQTptQd0BBFBSNghs2KGqD74ZOKONANm6T

NmyUFxs0ZdM1CWSLSDFKUozCCp4s9UFQNQGGgFhC50B+Rx7VmABOGIWAXCJB5Brt

IwehsInhgZQdkJMjB4pCOFzD5VWEaxaJHXlk8AIYNxQ7soTxw8VAyGqzp0wqAh6A

o7BKJ9ZWjRnWD0uyoBpSIQy+h2kykcFyu7iIcR2QU4QOts3jCaiwBUxhJndUMQ+p

EE6d6w/knJNQwqWKx9bIClcrFMCm1FQFPdYrqauiWTo4K5kRyokaymFIFJh1wiWl

1HIRk9WgxhRIJDGVMCRsCU7AVw5pYg1CcBS/otn2gEC2tXxqnTaiShstZpxpUnME

jaiOFKDpSi5/FXUPMB6vqHDavDQUUPFvvcQ6EBFB+QCQ2YkCpsDTZoIw4+aNGk1W

O7xxQwvPAjZXAhPHB2yNbWX+TjEYaLkuzHmOAaRVmUuFR18nXy1UCoTtKQNLI847

Nb+YgcaOEOZGWeUwIlorHdRxj3fc4x33eMc93nGPd9zjet467vH//R6XftvnmXt7

Cyaz4NPJLP25KPj7dUN/Pi4P6vos2lm00Lp5na+5oXLQhOCQDMufPYcmv3SsaZj9

TM+G5oiyW4djJh4vbBbOXg+Z7Dc78fYHk6oulI+Ib1yTFjTr7OIWrz03Aw/kNDkv

fXvp/t2a0m0BIxudXwcevD86oTj5IbgYA9aVOjyeG0tPXqkct7O52n7I98HZ9948

lFm14if7loLzW/xPVV4t3rl0Rkz/M01dXDUZzdOTp9VePXL3tdPJRd23FR8Pi4j5

O2TUjceOb+omVvRJmNy9R2B61JTyuo/21T7yjiwpfnCroaL41jiX56um+sibuxYV

5tcF/rxkXuGmewdztz4+PGjE3sajVWmW5IL7i/JTjpzvd3tCyfIfHaV9vh/QOyDx

/Se/jB3uf8U/4nRIp4o7r2/v0mtuvaMkaP7dy52Gv1L+Q2iZc9eHJ9a/UNO8fcC7

T19+teDR2w1r9+fMHNdjQ0Zlz8VFT0flexJPJM6duaA6ZeTUX8eH1Paaknrsaqxr

R+3W1cuC36lvfrA6+K+Vv6Xfjnc5y5Y2bN092SVu/L2xyHvs4G5rVnwy/Y0x97Le

Gp6QknevZuDllLrHU3cEzNgYbM7bVZF+fW/VPMu1Z5sv7M66ci3xc/Bdcpi5eUdO

2cO+7qS1mV+c9KnebBvoe9Fddycz87P6onPD5uXOqi3w37QnKKCk86XI8n2r0g72

HTP/XET/P/ISb1T3K0s5Gvbx/pWnviwsWPFpD9\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*=

=hqiT

-----END PGP MESSAGE-----

===========Midi songs in readable format and part of the solution=======================================

MFile 1 3 96

MTrk

0 Meta Text "Cicada at Mon Jan 23 16:19:14 2012"

0 Meta TrkEnd

TrkEnd

MTrk

0 Meta Text "Cicada at Mon Jan 23 16:19:14 2012"

0 Tempo 500000

0 PrCh ch=2 p=6

0 PrCh ch=3 p=41

0 TimeSig 7/2 24 8

0 KeySig 1 major

0 On ch=2 n=63 v=96 v 192 63

192 Off ch=2 n=63 v=0

192 On ch=2 n=61 v=96 e 24 61

216 Off ch=2 n=61 v=0

216 On ch=2 n=56 v=96 r 192 56

408 Off ch=2 n=56 v=0

408 On ch=2 n=55 v=96 y 384 55

792 Off ch=2 n=55 v=0

792 On ch=2 n=65 v=96 g 24 65

816 Off ch=2 n=65 v=0

816 On ch=2 n=65 v=96 o 96 65

912 Off ch=2 n=65 v=0

912 On ch=2 n=65 v=96 o 96 65

1008 Off ch=2 n=65 v=0

1008 On ch=2 n=60 v=96 d 24 60

1032 Off ch=2 n=60 v=0

1272 On ch=2 n=55 v=96 y 384 55

1656 Off ch=2 n=55 v=0

1656 On ch=2 n=65 v=96 o 96 65

1752 Off ch=2 n=65 v=0

1752 On ch=2 n=61 v=96 u 192 61

1944 Off ch=2 n=61 v=0

1968 On ch=2 n=67 v=96 h 24 67

1992 Off ch=2 n=67 v=0

1992 On ch=2 n=55 v=96 a 24 55

2016 Off ch=2 n=55 v=0

2016 On ch=2 n=63 v=96 v 63

2208 Off ch=2 n=63 v=0

2208 On ch=2 n=61 v=96 e 61

2232 Off ch=2 n=61 v=0

2256 On ch=2 n=67 v=96 p 96 67

2352 Off ch=2 n=67 v=0

2352 On ch=2 n=56 v=96 r 56

2544 Off ch=2 n=56 v=0

2544 On ch=2 n=65 v=96 o 65

2640 Off ch=2 n=65 v=0

2640 On ch=2 n=63 v=96 v 63

2832 Off ch=2 n=63 v=0

2832 On ch=2 n=61 v=96 e 61

2856 Off ch=2 n=61 v=0

2856 On ch=2 n=63 v=96 n 96 63

2952 Off ch=2 n=63 v=0

2976 On ch=2 n=60 v=96 t 192 60

3168 Off ch=2 n=60 v=0

3168 On ch=2 n=65 v=96 o 65

3264 Off ch=2 n=65 v=0

3288 On ch=2 n=56 v=96 b 56

3312 Off ch=2 n=56 v=0

3312 On ch=2 n=61 v=96 e 61

3336 Off ch=2 n=61 v=0

3360 On ch=2 n=61 v=96 m 61

3456 Off ch=2 n=61 v=0

3456 On ch=2 n=65 v=96 o 65

3552 Off ch=2 n=65 v=0

3552 On ch=2 n=58 v=96s

3744 Off ch=2 n=58 v=0

3744 On ch=2 n=60 v=96t

3936 Off ch=2 n=60 v=0

3960 On ch=2 n=60 v=96d

3984 Off ch=2 n=60 v=0

3984 On ch=2 n=61 v=96e

4008 Off ch=2 n=61 v=0

4008 On ch=2 n=60 v=96d

4032 Off ch=2 n=60 v=0

4032 On ch=2 n=55 v=96i

4128 Off ch=2 n=55 v=0

...

..

.

a 24 55

b 24 56

c 24 58

d 24 60

e 24 61

f 24 63

g 24 65

h 24 67

i 96 55

j

k 96 58

l 96 60

m 96 61

n 96 63

o 96 65

p 96 67

q

r 192 56

s 192 58

t 192 60

u 192 61

v 192 63

w 192 65

y 384 55

z 386 56

=======Deciphered text from first midi song was:========================================

verygood you have proven to be most dedicated to come this

far to attain enlightenment create a gpg key for your email address

and upload it to the mit key servers then encrypt the the following

word list using the cicada three three ero one public key sign it

with your key send the ascii armoured ciphertet to the gmail address

from which you received your numbers your words are

[unique list of words here]

\*\*\*\*\* garden ball house cat shore back head galon

=====Second midi song was encoded chorus from poem (after analyzing it you could break cipher and key)====

LetthePriestsoftheRavenofdawnnolongerindeadlyblackwithhoarsenotecursethesonsofjoyNorhisacceptedbrethrenwhomtyranthecallsfreelaytheboundorbuildtheroofNorpalereligiousletcherycallthatvirginitythatwishesbutactsnotForeverythingthatlivesisHoly

TrkEnd

MTrk

0 Meta Text "Cicada at Mon Jan 23 16:19:14 2012"

0 Tempo 500000

0 PrCh ch=2 p=6

0 PrCh ch=3 p=41

0 TimeSig 7/2 24 8

0 KeySig 1 major

0 On ch=3 n=48 v=96 L

96 Off ch=3 n=48 v=0 E

96 On ch=3 n=49 v=96 T

120 Off ch=3 n=49 v=0 T

120 On ch=3 n=48 v=96 H

312 Off ch=3 n=48 v=0 E

312 On ch=3 n=48 v=96 P

504 Off ch=3 n=48 v=0 R

504 On ch=3 n=55 v=96 ...

528 Off ch=3 n=55 v=0 ..

528 On ch=3 n=49 v=96 .

552 Off ch=3 n=49 v=0

576 On ch=3 n=55 v=96

672 Off ch=3 n=55 v=0

672 On ch=3 n=44 v=96

864 Off ch=3 n=44 v=0

864 On ch=3 n=43 v=96

960 Off ch=3 n=43 v=0

960 On ch=3 n=49 v=96

984 Off ch=3 n=49 v=0

984 On ch=3 n=46 v=96

1176 Off ch=3 n=46 v=0

1176 On ch=3 n=48 v=96

1368 Off ch=3 n=48 v=0

1368 On ch=3 n=46 v=96

1560 Off ch=3 n=46 v=0

1584 On ch=3 n=53 v=96

1680 Off ch=3 n=53 v=0

1680 On ch=3 n=51 v=96

1704 Off ch=3 n=51 v=0

1728 On ch=3 n=48 v=96

1920 Off ch=3 n=48 v=0

1920 On ch=3 n=55 v=96

1944 Off ch=3 n=55 v=0

1944 On ch=3 n=49 v=96

1968 Off ch=3 n=49 v=0

1992 On ch=3 n=44 v=96

2184 Off ch=3 n=44 v=0

2184 On ch=3 n=43 v=96

2208 Off ch=3 n=43 v=0

2208 On ch=3 n=51 v=96

...

..

.

==============key for MIDI is=====================================================================

a 24 55

b 24 56

c 24 58

d 24 60

e 24 61

f 24 63

g 24 65

h 24 67

i 96 55

j

k 96 58

l 96 60

m 96 61

n 96 63

o 96 65

p 96 67

q

r 192 56

s 192 58

t 192 60

u 192 61

v 192 63

w 192 65

y 384 55

z 386 56