

HGAME

WEB

Select Courses

最简单的方法就是用js已经写好的函数，调取控制台来执行。

为了一直触发 `selectCourse` 请求，你可以使用 `setInterval` 函数不断调用 `selectCourse`。这样它会每隔一段时间自动执行一次 `selectCourse` 函数。例如，以下代码将每隔5秒钟调用一次 `selectCourse`，并将课程ID设置为1：

去控制台输入

```
setInterval(function() {
    selectCourse(1);
}, 1);
```

其余同理 等一会就都选好了

数据在服务器那边

本地改是无效的

hgame{w0W!1E4Rn_To_u5e_5cripT^^}

Bypass it

This page requires javascript to be enabled :)

很简单

去注册

显示不行

禁用前端

注册成功

登录成功

click here

得到flag

ezHTTP

第一步改Referer

第二步改UserAgent

第三步我先用client ip

host

XFF都不行

最后在响应中看到hint



The screenshot shows a network traffic capture in ezHTTP. The response tab is selected, displaying the following content:

```
1 HTTP/1.1 200 OK
2 Server: Werkzeug/3.0.1 Python/3.11.6
3 Date: Mon, 29 Jan 2024 14:04:16 GMT
4 Content-Type: text/html; charset=utf-8
5 Content-Length: 532
6 Hint: Not XFF
7 Connection: close
8
9 <!DOCTYPE html>
10 <html>
11   <head>
12     <meta charset="utf-8">
```

与出题人沟通确认无误后，上网搜索相关知识点

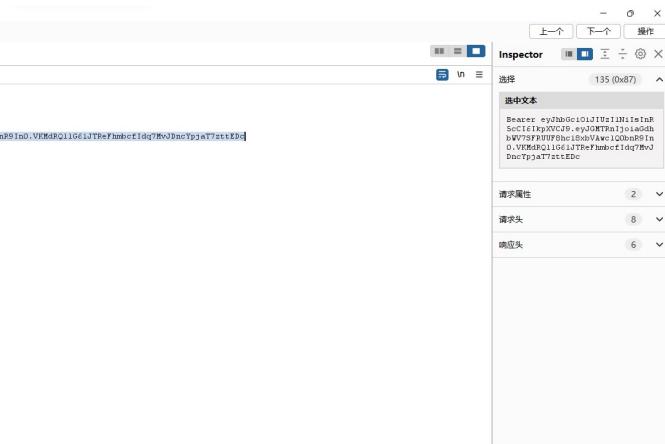
确认是与XFF功能相近的 [X-Real-IP](#)

随后得到响应

但并没有发现

却显示给了我flag

确定是auth中内容



The screenshot shows the browser's developer tools (Inspector tab) with the Authorization header highlighted. The value of the header is:

```
Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJsb2dpbiIsInN1YnNjcmliIjoiZGVmYXVsdC1lckpXVCJB...  
b3M6RQ1lGEiJ9.eyJhdWQiOiJsb2dpbiIsImlhdmiIjoxNjEwOTkxNjUyfQ
```

涉及到JWT

在线解密一下就行

The screenshot shows the jwt.io interface. In the '操作区域' (Operation Area), the token is decoded into its components: Header, Payload, and Signature. The payload contains the string 'F14g: "hgame[HTTP_ls_1mPOrT4nt]"'. Below the payload, there is a section for symmetric encryption with the key 'bejson'.

1248

抓包玩了两把，发现没包，那说明没有与服务器交互，就是本地的，看前端js就行

This screenshot shows a browser's developer tools console with a large amount of JavaScript code. The code appears to be a game script, likely for a tile-based game, containing functions for tile manipulation, score calculation, and event handling. It includes variables like `t`, `x`, `y`, and `score` along with various game logic blocks.

This screenshot shows a browser's developer tools console with a smaller set of logs. It includes several warning messages related to triggers and screen changes, followed by a series of command-line style inputs and outputs. One output shows an array of objects, likely representing game data or player states.

This screenshot shows a few more log entries from the developer tools console. It includes a command-line style input `>> t` followed by an object representation, and another command-line style input `>> x` followed by a similar object representation.

修改无效

看其它地方

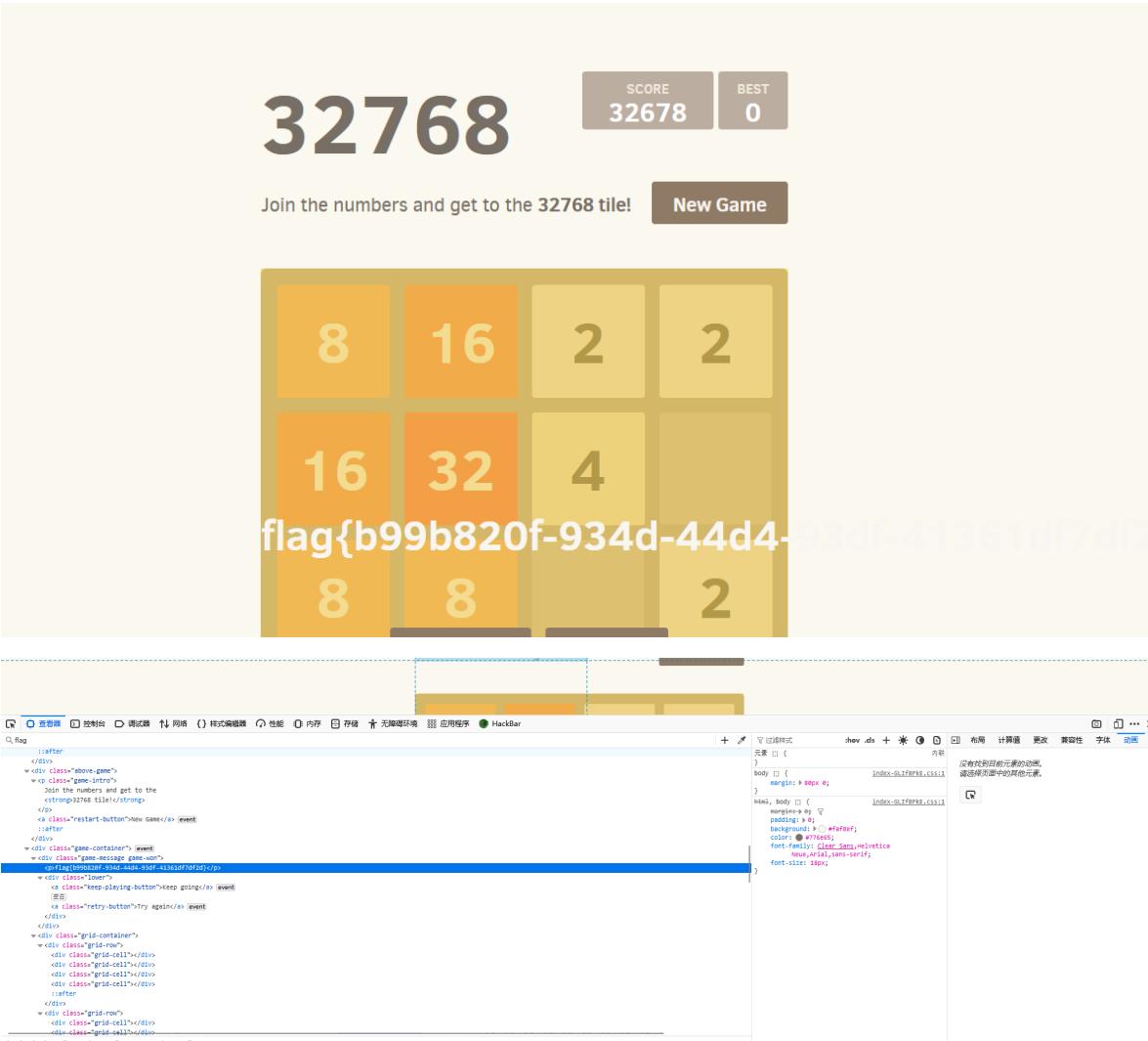
This screenshot shows a browser's developer tools console with a detailed stack trace of a function named `storageManager`. The stack trace shows multiple levels of function calls, with each frame showing its local variables and parameters. The code is heavily annotated with comments explaining the state of variables at each point in the call stack.

审阅中发现了 this.storageManager

控制台把值都改掉

won 改 true

相关score改32678



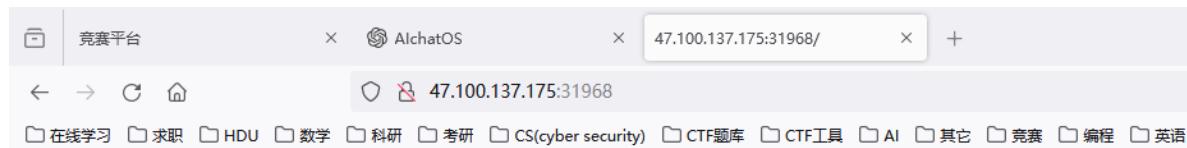
flag{b99b820f-934d-44d4-93df-41361df7df2d}

PWN

ezSignin

nc 47.100.137.175:31491

改http访问



hgame{I_HATE_PWN}

MISC

SignIn

模模糊糊看到有字

把宽度放宽来看



来自星尘的问候

一个即将发售的游戏的主角薇^3带来了一条消息。这段消息隐藏在加密的图片里 但即使解开了图片的六位弱加密,看到的也是一张迷惑的图片。

jpg文件。首先考虑slienteyes

无果

因为涉及到六位弱密码

考虑stegdetect stegside

用stegseek解出

```
(root㉿kali)-[~/桌面]
└─# stegseek secret.jpg
StegSeek 0.6 - https://github.com/RickdeJager/StegSeek
[i] Found passphrase: "123456"
[i] Original filename: "secret.zip".
[i] Extracting to "secret.jpg.out".
[root@kali ~]#
```

.out文件中有一张图片



一个即将发售的游戏的主角薇^3带来了一条消息。这段消息隐藏在加密的图片里 但即使解开了图片的六位弱加密,看到的也是一张迷惑的图片。也许游戏的官网上有这种文字的记录?

来自星尘的异星字体制作进展v2

仅作b站压缩宽图问题的手机版对策

又从游戏介绍视频的薇^3下方文字发现1个新字形,临时用拉丁-1区段的“§ (注: P)”表示。

(注: 「PRINZESSIN」, 德语「公主」, 可在置顶网页...)

薇^3下方例句: §#5&81005&

当前已用笔画如下:

笔画	字母	笔画	字母	笔画	字母	笔画	字母	笔画	字母	笔画	字母	笔画																																								
一	Aa	—	Bb	—++	Cc	—++	Dd	—++	Ee	•	Ff	•++	Gg	•++	Hh	•++	Ii	..	Jj	..+	Kk	..+	Ll	..++	Mm	..-	Nn	..-	Oo	..-	Pp	..-	Qq	..++	Rr	..++	Ss	..++	Tt	..	Uu	..++	Vv	..++	Ww	..++	Xx	..++	Yy	..++	Zz	..++

数字	笔画	字母	笔画	字母	笔画	字母	笔画	字母	笔画	字母	笔画
0	-----	1	-----	2	-----	3	-----				

hgame{welc0me!}

simple_attack

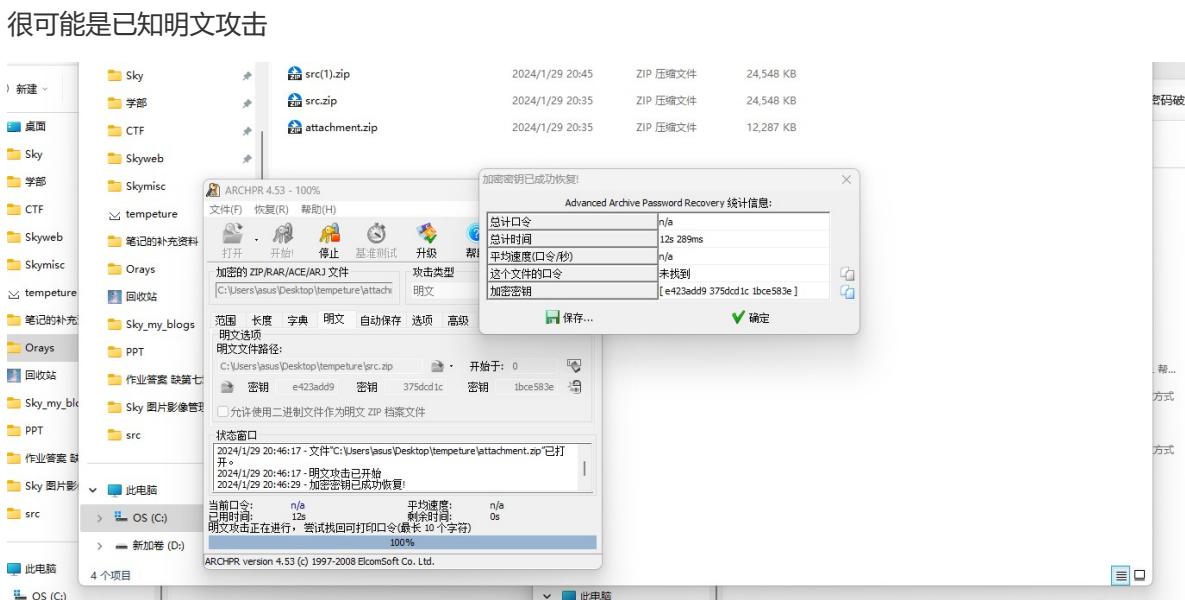
不是伪加密

给了一个zip里的图

给了一个加密zip

题目名是攻击

那就不考虑图片隐写了



得到photo.txt

data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAB/4AAAЕhCAYAAAB2sgicAAAAAXNSR0lAr s4c6QAAAARnQU1BAACxjwv8YQUAAAJcEhZcwAAFiUAABYIAUisJPAAAH/eSURBVHhe7d0j3E1V++/ xpUmjRlNFE6moEEmDBpFQaj7nedA8apQGIVKkedDwqlwVlnMKkaFEpZlmKg9JeUr//3e1Tj/d3fc5e5 2zz9l7n/N5v15e2Ye4nfvstdde6rmtdq9KSJu+NAAAAAAAAAAAAAAAIJFWc/8FAAAAAAAAAAAAAAJR OlfAAAAAAAAAAIAEI/EPAAAAAAAAAAECkfgHAAAAAAAAACDBSPwDAAAAAAA AA AJBglP4BAAAAAAAAAAEgwEv8AAAAAAAAACQYiX8AAAAAAAAABKMxD8AAAAA AAAAAAAAAAIG4h8AAAAAAAAAAgAQj8Q8AAAAAAAAAAQIKR+AcAAAAAAAAAAIMFI/A MAAAAAAAAlGAk/gEAAAAAAAAASDAS/wAAAAAAAAAAJBlfwAAAAAAAAAA EozEPwAAAAAAAAACUbiHwAAAAAAAAACABPxDwAAAAAAAAABAgpH4BwAAAAA AAAAAAAAAAgwUj8AwAAAAAAAAACQYCT+AQAAAAAAAAABIMBL/AAAAAAAAAAKgII/ AAAAAAAAAAAASjMQ/AAAAAAAAAAJRuIfAAAAAAAAAAIAEI/EPAAAAAAAAAAEC CkfgHAAAAAAAAACDBSPwDAAAAAAAABJBlP4BAAAAAAAAAAEgwEv8AAAAAAAA AAAACQYiX8AAAAAAAAABKMxD8AAAAAAAAAAIG4h8AAAAAAAAAAgAQj8Q8AA AAAAAAAAAAAQIKR+AcAAAAAAAAAAIMFI/AMAAAAAAAAlGAk/gEAAAAAAAAASDA S/wAAAAAAAAAAJBlfwAAAAAAAAAAEozEPwAAAAAAAAACUbiHwAAAAAAAAACABPxDwAAAAAAAAABAgpH4BwAAAAAAAAAAgwUj8AwAAAAAAAAACQYCT+AQAA AAAAAAAAAABIMBL/AAAAAAAAAAkGII/AAAAAAAAAAASjMQ/AAAAAAAAAAJRuIf AAAAAAAAAAAIAEI/EPAAAAAAAAAAECkfgHAAAAAAAAACDBSPwDAAAAAAAABJ BlP4BAAAAAAAAAAEgwEv8AAAAAAAAACQYiX8AAAAAAAAABKMxD8AAAAA AAAAAAAAAIG4h8AAAAAAAAAAgAQj8Q8AAAAAAAAAAQIKR+AcAAAAAAAAAAIMFI/AMAA AAAAAAAAAAAkGAk/gEAAAAAAAAASDAS/wAAAAAAAAAAJBlfwAAAAAAAAAAEozEPwAAAAAAAAACUbiHwAAAAAAAAACABPxDwAAAAAAAAABAgpH4BwAAAAAAAAAAg wUj8AwAAAAAAAAACQYCT+AQAAAAAAAAABIMBL/AAAAAAAAAAKgII/AAAA AAAAAAAAAAAASjMQ/AAAAAAAAAAJRuIfAAAAAAAAAAIAEI/EPAAAAAAAAAAEC CkfgH

AAAAAAAAAAAAACDBSPwDAAAAAAAAAAAABKMxD8AAAAAAAAAAIG4h8AAAAAAAAAAgAQj8Q8AAAAAA
AAAAAAQIKR+AcAAAAAAAAAAIMFI/AMAAAAAAAkGAk/gEAAAAAAAASDAS/wAA
AAAAAAAAAAAABJfwAAAAAAAAAAEozEPwAAAAAAAAACubiHwAAAAAAAAACABC
PxDwAAAAAAAAABAgpH4BwAAAAAAAAAgwUj8AwAAAAAAAAACQYCT+AQAAAAAA
AAAAABIMBL/AAAAAAAAAAkGII/AAAAAAAAASjMQ/AAAAAAAAAJRulfAAAAA
AAAAAAAIAEI/EPAAAAAAAAECCKfgHAAAAAAAAACDBSPwDAAAAAAAABJfwP4B
AAAAAAAAAAEgwEv8AAAAAAAAACQYiX8AAAAAAAAABKMxD8AAAAAAAAAA
AAIG4h8AAAAAAAAAAgAQj8Q8AAAAAAAAQIKR+AcAAAAAAAAAAIMFI/AMAAAAAA
AAAAAAkGAk/gEAAAAAAAASDAS/wAAAAAAAABJfwAAAAAAAAAEozEPwAAA
AAAAAAAACubiHwAAAAAAAAACABKu0ZMmSP93PAQAAAAAAABAjCxfvtzMmfPzJo1y/6Y
P3++/e/ChQvd7zCmatWqpmHDhqZ69er2v40aNTL169c36667rvsdAACg2JH4BwAAAAAAAAAgRn7//
Xczc+ZM8+yzz5pBgwaz//73v+5Xgttwww3N9ddfb8466yz3CgAAKGYl0+pfVZFX321qVKISqAfPXv2d
P8nAAAAACTDTz/9ZI499thy1zjl/VAQGQAA5E7P1PKeteX90LNaz2ygPL/99psZNmyYadeunWnZsqV5
8skns0r6i/6/X375xV0BAIBixxn/AAAAAAAABE7L333rO781UcMnnyZPcqAABAMCT+AQAAAAAA
CliNr69+/f33To0MEMHjzYvQoA0FnGnUcOfLI02tWrVsxp1Irn//vvNggULzJ9/coo4EEck/gAAAAAA
AAAiBa8d99993m9NNPNwsXLnSvAkA0Vq5caY8badu2rbnoovMyEj/z5uZOleia6664ze+65p+nV
q5c9YhtAvJD4BwAAKHJffvmIDSJxrigAAAAAxleS/rfeequ57bbb3CsAEB3t4n/ppZfMOeecY+bMmeNe/
TcVAqgA4I477rDjGID4IPEPAABQpLRgmzp1qjnxxBNt20gAAAAAQDwoWaaW2do1CwBx8O6775quX
bv+vcM/k3vvdcMGTKEtv9AjjD4BwAAIlp5ffPPNN2bcuHGmT58+5rzzjOHH3642W677ewO8WnTprn
fiST47bfzlsvvmh39k+fPt29CgAAAACImpjk/fr1Y6c/gNhQHGngwlHmk08+ca8Eo9jTV1995a4QNcVvF
cdVPFDxXcV3FedVvFdX8V/Udxi/AMAUMJ//13M2vWLHPzzTeb3XbbzdSrV8906NDBXH311ebZZ58
1o0aN4ozBBPruu+9Mly5dzJlnnsn3DwAAAABiZsquaZ3797uKjtK6rRp08aew60frVq1MIWrVnW/Cg
B+FD+aMWOGuwp7NixZu7cue4KcaHvp+K6iu8qzqt4r+K+iv8qDqx4sOLCKD4k/gEAKEGq4h02bjh
p166dadGihenRo4d3RS/iR1W7Y8aMMR07djSPPPKlexUAAAAAEBC//PCDeeyxx7Jag3fq1MkMGDDA
zj8/38ycOdPutH3++eftD+3U/fjj83nn39uf49+LwAEpd3gr7/+urvyM2/ePPczxJ2ePYoDKx6sjgCKlypOj
OJB4h8AgBLz3nvmbPOOs2gj88ebj7FUUm3aNEic/3119vgzpw5c9yrAAAAAIC4Ul/v/kSNHmv79+7tX
gmnevLkZOnSoefLJ03r1q3NRhtt5H7lnypVqmQ22WQT+3v0eydOnGhq1qzphUA8oOd48mk9v+KI
ypOrHgxigOjfwaASoQm4QouqLXT4MGD3atIOIXI6vt5yCGHmF69erlXAQAAAABx8/3335shQ4a4q2C
0hn/88cft7szVVgseztv3XXXXc3RRx/tXgGA/FhjjTXcz5BEiiueeOKJtsBM3USRbCT+AQAoAUr6q5XgpZ
deypnvRUI7Rd59911blXvySezyx8AAAAAYk67K0eMGOGuMttr73MDTfcYLbcckv3CgDkx2abbWaa
NWvmrvxsv/327mdlKh0BcO6555qnn36aDg4JR+IfAlAipwTxK6+8Ym699Vbz3//+172KJPvuu+/MHFc
Ydq1a0f3BgAAAABlgGXlIpJky5q8w23HBDc9VVV5m6deu6VwAgfzbffHN7rlivNm3a2O4iSD7FjXW
MqOLIicjmUj8AwBQ5KZMmWK6du1K0r8ILF261DzyyCNmzz33NLffffvfUwAAAABliC+++MK89dZb7i
qz448/PuvdtwDgq3LlyqZ9+/Zmu+22c68Eo+NEqlWr5q6Qdlo1Ko48bdo09wqShsQ/AABFTG39H374
YduuCcn1yy+/mKeesq0bt3aXH755RzXAAAA/mXFihVm6tSpf+/SSSLNecaPH286d+5spk+f7I4FgOlw
Y8YM8/7777ur9LTbXx3e1llnHfcKAORf06ZN7fEiGoOCuPbaa83BBx9sKIWq5F5BMVAcWUfGsuEom
Uj8AwBQpNSSadSoUWbQoEHuleAaNWpkunfvbiZOnGgWLfhgFi9ebCf/KCzt8FfCv2XLijYAzjn+AABg
VUqUq230ZZddZnbccUdz4IEHmvuu8/873//c78j/jTPfO2118xpp51m6tWrZw499FA7/1m5cqX7HQ
CQfCrO8inlb9Gihdlpp53cFQAUhhL4HTp0MA899JcpX7++e/XfVBhw9913m4suusisu+667IXEgeK3St
h/9dVXNq6r+K7ivL6ef/55M2bMGHeFJChxDwBAkfr+++/NkCFD3FUwmtT37dvxBI/PPfdce0aXjvOrrc
aUoZB0hn+vXr1ssleEPwAAWFZRLnOVX300UcT0xFixaMa6wwYMMAcEErPnbt2uall46w1+wqAIC
sVNTts65r0KCB2WijdwVABSOYoDqODJ8+HBbUhrQQQf93QFgn332Md26dbOFp2eeeSzdsWJKBR
wbbLCBjesqvqu1g+K96Yo5yPy/y/TdTSBiOIDAFCK1B51xlgR7iozVft279/fdOrUyZ7rhclSrja1fbzuum
tMkyZNTJcuXTiiAQAAWL/99ptt33/yyScnNIH+888/m//85z+mY8eOpmp7durZwYeTIke5XAaC4qWjLj3
mi5Mzqq6/urgCg8DbeeGNz6qmn2lihuoEuWbLEDBs2zG5QqVWrFu39E0RxXsV79b1U/DcodZGdO3
euu0JskPgHAKAILV++3Lz++uvuKrO99trLnuG15ZZbuldQKNr5MXjwYDsBb9asmbn//vvZ7QYAAP5BL
f2VNNeclam0y1+dCcaNG+deAYDS8eOPP9ri/CC0s5a1OQAgbHq29OjRwxx++OHulczGjx9vj6tBcpD
4BwCgCH399dfmrbfeclfpadKn3eXaeYXCUPBeE+fzzz/fntuo3XsEwQEAAACgOH3zzTfuZ5nVqVPn77
baAAcEqVq1auass84y2223nXslvXfeeccWryE5SPwDAFCE1CI+6G4CtYpt2rSp0l+aXf/lvdeac/jPfTQQ
80zzwT2u7+c845xxYSAAAAAADi5ffff3c/y6xq1aqc7w8AyJvGjRubww47zF2IN23aNDN//nx3hSQg8Q
8AQBGaN2+e+1l62kXQqlUrzvQvEAV7dc5amK389T3s1q2bufnmm0316tXdqwAAAACAuFi5cqX7W

WY623+11QjbAwDyQ3Hg9u3bBzpWRjHMoHFmxAMzCAAAisyyv/4aul1gixYtbKt5JNNuu+1m+vXrZy
688EKzzjrruFcAAAAAHHy5Zdfup8BABC9bbbZxjRv3txdpadNTH/88Ye7QtyR+AcAoMgo8R+0BVOD
Bg1oZhA2uV/zTXXmP79+5u9997bVKpUyf0KAFFFFFFAFRMscWgm8G063/FihXuCnFH4h8AgCKj
CszffvvNXaVXt25d20YQyaFq3Oeee85cddVVZrPNNnOvAgAAAAAAAEBm2kSkXf9BfPHFF3ajGZKBxD
8AAEVm8eLFZuHChe4qvSBnOSEe6tevb/r27WtefvIlle0QDZz4CAAAAAAAyEatWrXcz1BMiBgDAFCi1
NJprbXWcleq6pVq5o777zTDB8+3HTq1MIUrIzZ/QoAAAAAAAA+NPxr40aNXJXFv222/Njz/+6K4Qd
yT+AQAoUXXq1LHjf8RTKuH/9ttvm3POOcdsvPHG7lcAAAAAAAAAIHvqJkpH0eLDdxQAACBGVGnbu
3dvM2vWLbL+AAAAAAAIBASpWDAADEgNr4DxkyxlwYMckdNjjZoMNNnC/AgAAAAAAAABeiT+
AQAAIIK/fn3TrVs3M2fOHPPUU0+ZAw44wKyzzjruVwEAAAAAAAAClEPwAAQAFtvnnmpnv37mbat
Glm4sSjpnPnzqZWrVqmUqVK7ncAAAAAAAOCNx8AAECB6Lz+Hj16mHPPPdFuq1fPrLHGGu5
XAAAAAAAADIXqUIS5b86X5e1JYvX25uvvlm06dPH/dKeI27djUXX3yxu/L3559/mp9++sl88MEH5r3
33jOzZs0y3333nf3vwoUL3e/6yz777GPP8d15553NTjvtZBo0aGC22mors9Zaa7nfUbz0ffnyyy/te/TRR
x+Z2bNnm//mTQzZsw//3vf93v+ovep0022cS+T3Xr1rX/3XrrrUs+aaLPmt6zzz77zP744osvzLvvmt
++eUX+3O1jy5LraX1GatZs6bZYCdzbPbbb28TUNWqVSv593PFihX2fXv77bfNp59+aj+Tzd/HDTfc0DR
u3Nhsu+22pmHDhvbHjjvuGMk9+/vv5tvvnG3kP6WvXjxx9/tLuIV7XddtVz+2aLLbaw44w+A/reKwl
Z7LuMVx2P9X2cO3eufc/Kuz9S79Nmm21mx+LuvaF7JUn3xieffGLOOOMMM336dPdK+XbbbTfz2G
OP2X933OI58fHHH9sfqXFOz4ynqupe1Qt8/Ws0Nime1T3bLGpcz179jQ33HCDu0qvXbt2dl6kcaBU
pcYHfZ40Nmgs/eqrr/41D9GYWadOHft50pi/66672s9SFOPn0qVL/54z6fOvr1fXuu9XVXbeVERzy0zKe
y5U9D6m5kwaJ1PPBP03zs9P/dvOO+88M2zYMPdKejmp5LDDDnNX8VaKz3RUTPP2b7/91q6B5s2b
Zz7//HN7D2vOUN56MjU/qFKlih0b1W1Hnw3ND9Zbbz33u+KrGO7toHPUIDFxpimTZu6q+RatmyZX
VsqqG57Pvvv2/XbjrDqgNUWauOX5rDag6i51GNGjVK8jmeev9WXQcEiXdoHpR6//RDXbfyfa8PGjTI
nHLKKe4qPebipaeU12qp+G9qTZ9pHKxatapdd6277rp/P7N1P2+zzTb2OU63vP+zePFiG8N866237P
ynblx Ez1GNf3o/FQPSD+UhAJsv2OMFZQWdnycphgwS/xXKjvGvQUGTmKFDh5qXX37ZvPnmm+5X/
Cko0apVK3PCCSeYPfbYw050ioHeo6+/tou4F955RUzcuRI9yvZ0USwY8eO5vDDDzeNGjUqiXORV65c
ad9DTYwnTjhgf5R96GRLA3fLl1tgKhU3k/R+KAJshbpCqSVTSIGkfosHnvssTaguNpq+WuoomS/kIMv
vfSSGTjkSE7f/7322sscddRRpn379vbfUCxS79GoUaPs97W8gjAPvTdaeB966KGmWbNmsV8kFcOkLf
U91Bg3YsInj6pq9LztUWLfm//fe3iVH924spAUTiP7Ow5mup8VNjf77fQz2XdC+88MILOc2dUs+qY
445xj7nSyn5qfmTgowaT/r165fzc0EBtA4dOpg2bdrYZEl+n/u+ii3xX+rPdPwfjfr0/Z80aZIZN26cGTt2rP
uV3B1wwAHmkEMOsfe0guNxDNSR+E8GzTO//57884779hntz6nuY5bKRq/tF4/4ogjTPPmzYt2/NK9
rsSVntka+8N6/0Sfj93nBx54oA3Wh11IQelf6ZTSWi31zB4/fry9l8tL7mdL965i5rqXU8UBpUbPGiUjH3
nkETvulC12TEdziRtvvLFkYr5AEKUULyiLxH9xlvFfAZ/EvwYGVdY9/PDDpn//u7V8OhmUkvgI488MrET
Pr3/WrQ/+uijNkiTDwpgn3766XYRnGnSpwmnFsxBxGFQ02dswYIFZvjw4eb55583M2fOdL+SP/r3nn
baaTapUb16dfdqNPL1/dJC5MUXX7T3bpjBhE6dOpnzzz/fNGnSJNQHe+o+6tWrl5k8ebJ7NRxKhup7f
fbZZ9vdjUmntlZAVMUQCnTm6z5RwE1FWbo/ateuHcv3KqmTtIRCduDAgaZv3745FbUEpaCBCnZ03
2655Zaj3zlQDMGkfM3ZUsER/bnPPPOMezV3GhOuuOIKc/TRR4f6XurnnT9/vp076X7wCeYEoXnTBRd
cYD8HUQbL8jlHI99++8288cYb5v7778/bHFSFRGeeeadaq8QhgFYsiX+e6RDN16dOnWrX2SrWCnssLI
/mBLqnVYCfzwlpnwRhINKNuz7zjjle5xLjftHjx5t15f5et6sqjtGL80HVlxfyHs99R6qIFI79MJYuych8a9x
9dZbb7VxBV8qfL3jjts96tS5zvfikKhE7wq1tScTXFLzeGy2VTjS/dxAub87XO0c7jO++80z55JPuFT8k/
v+Pb0Fi0mRbQJnvNboP4gX5R+K/OMW31CQBtLhTizHduKoWzksSX3TzXX755aZt27Zm8ODBdkBKC
g3OSuBoB8Vxxx2X1wWwjpcKYGsQ1QRTE86k0/un4IGCT2ptddVVvxUk6S/63HXp0sxsueetoJUi8Ni
oc+GPiP6rHuT3DnUpL/oPtWYcP3115tFixa5V7Onwo/XX3/dLmZ0H4Wd9BcFvpRc0nuiBcTPP//sfiUZ
tOh+6KGhbLHFRRddlNF7RlvXe++91+y99952bFZRDnKj56nuQ43hSsQrgFylpL/o773uuuv36vPEIqt
giNa/GI3Xjhjf9GYcOWVV9p5mhbwGrNzpWeHgqoaZ7QAzUfwW+OkCiY1x1ABq+7DYpj6dmpXt/6N
+ZyD6s/W81nPaf2dYXwGShnPdGg80vfi9ttvt2sg3ccauwuRCBTN5TWma4zUer/YxkeER+tKJasVLFXxt
DZsFCLpL6uOX5ozhLHujIKOMHr66aftjrhC3+up91DdX8466yx7dEyxyXpr4D/LbfcQtIf/6LPIWLiiifph
2JLur8KQX9PKpalbrBajyUpbu5Dawz9+7ThLduP4C/EC9AsSPxnyUIZFXhooEhXwn/spScOPnkk20y9
rvvnOvxpOClwoia0A79dRTQ0+spqO/66STTjXX3117N+niqQmzVr8amdc0YIH5dEkWoFQ7SRQm9
Wk02dCnw19RvL9udRi+vjjj7dnbGVLARwVEkgVfz4S/mUpyKJAgIJXOrso7rSgSwVnlXgr1OJSUsUS++2
3n91FVKyLy3xLJtG13oWdkPXF97D4aEGIXTiFCI7omaldxj169Mi6WC4VzFG7aSW8ChH41rNF81m9P
8VyD6jQ45JLLinYszNFF5f+Tv3d+hrgh2c6tIbUWf1ae6j4WONGit8HzenzqB25+mox/Q+kalzQ81pjJrW
bLIRMqDwvav3SvqEOkdqwlPVBFCyUdYdS6dWtb/FuoDQ4VUdFxtvO3pFChip5x2ST9tbvttus0V5Qlr
GQm2qOfjgg22xXNT3sWKnWteokKfYCvf0Xuv+1XqzkDF2oBgrL0ApIPGfBbUh1sLksssuilyQQod3X2

v3y2WefuVfiRYul++67z062Cjl4lqX3Sd0YNNILirhNmleIywZOPPFee0ZhUifPqQ4d+mwUiu4BfS/1/vm
+b/p6VXRzcl8V/p6VRwxZcoU90r8ajKkxIAKoqJc+Og5oM4RavWd1GKjKKQSsoVMcKK0KEnTu3dvc8
455xRsjNDnWDuhVGD2ww8/uFeDSX29UQRz9HWrl4ICukkOeus5q4Bf1Ltg9Hfra9DXUkwBx3zimQ
7t8FfcP7VTMC7zAn0d+rrUEfdKFDaUrvDdERavneH+VJ7vh1fpWR6nLsf6rmotSJ6/7Q2j4FVGPPMK
A6iOaoVjf3VYlmdswDRfax4IRLsihvFKXYpqcK9JHazLI9ixZobab1G3ARBqUvLjpts4q4gxAtQSkj8e/rw
ww/tWThRVnSLknJK/n/88cfuXhQuCUFF15o2zTHYTlyfvx4+z5pYRlncZ80p6gKXotznbmXpAeTvlbtflA
wWZ+jQtP7pysi6PsW9deboiCMqhDjlvzX+6OzXnUeY5QTtbJufZ20YqOoRJGQRWIRgEcjeB3jEMV8RO
PNBnddcY8/7DSLqrzdF7W67d++eyOS/Atp9+/YtSeefIPQ16GuJewImajzTofFGySh1W4hTwr8sHT+hY9
eCjusoPipOSe0Oi1PCf1W6f1S4pO6UcXz2xGWTsknRs/aVW16xxda+IPTXRoQ99tjdVYJSp7W8ntdKrC
vBHlcaD1PdLJpcvVRj+eOPP26uvfZa9wqQ2YYbbmiLmbfdllv3CogXoNSQ+Pfwzjvv2Oq6KBNxq9Lxo
UIMXIIPen8Ullu6KKlsVb5r8Rvn5P+vv/5q/vOf/8R60pyinVA33XRTrHeCl6WvVYn3Qp0Zxp6g75sW5Q
okRf31pmgicvPNN8em7b922agrhnaz6N6Om6QUg0UpLglOFC8FIRXYVHFJlj//nkb3M6URNcO0q5
du0b+9aYo+a+kZ5IWn9oFo6ScghtxGlinoCJGs90iOaa2lEfRSc9X0HHdRSngQMhxqpAqSKpZjcSvVp
bxkXcNomUCn0G9KzNzo6kpL+OsNpr71MpUqV3KsoZeqGpCI4PbeTch9r45xi1UncWztL0Q5Kmza
S6ThN xu6/EC9AKSLxH5CSXmqj9eabb7pX4kGLz4cfftgOYFFSQExFEXF7f1IUTNQ56Uk4szwjjLBWkj7
6cS7Zdeemkskuip9+3TTz91r/ybvl4dlxKHrzdF97UquqMOcmoS9PTTT9ujWpyDw4w3FYtLQhbFS58x
7ViP4oiU8ujr0Lj1xx9/uFf+Sv/v3XffbRehcAj7NCkFfno2xHkXjBbzSsAMGDCAxwfqeKYjqTSuj604CqV
Hzx6tO+PyLFc8SMcGxm2TScnQZ0Cfb9ER9WqVe3Ghf3335/EESx1wFUCXc/ApFGRoXb+J617qbr8
qitSnBKViL8OHTrYQrt11InHvVLaiBegVjh4D0A76nXmqW9SW9Wxqq5q27btP37ss88+7neEQ5OAKL
sQKBCmgFiYO3W0yGjVqtW/3jv9qF+/vvtduKsVcyEdO9fWj+/JLyf3zzjbnnrrsCt/Cp6H0L857V+/bEE0
/Y9mhl6V7Sotw36V/RWNO0aVP3O3KnpNsrr74a2Sjjkx9VQGqsCWPRk+/xWd9nFXCojsj+ou+hggRh
JGTvtkxBqlLf9SPbj8TSLBujiBTWA9K42Tz4/GBo0RYVGBZnlzpFzucY1Vzb9uPb/0HAuDduXp6477
Gee57oLRWFH2fdSPsD8Dem6pkn/YsGHuldLGMx35VN64rh9h3tdjKo5CPKWby+p1/XqutKbUueXR
Psv1nNYRdkoWhhkVkoqe4foR5jo4yXScgo4q9Y0v6POnwtRDDz2UpD+sfHXAreiZrR9h38cqNNWmo
KQk/xVrVcxV81AgKM11Ne5Xr17dvVLaiBegIFVasmRjsvrcZEIJNrWr1slnCCxfNKnRg1ZVN0GCsgq2ql
WIBoCdd97ZbLDBBu5X/k0BLyUI1Wplu/ZzPSPusMMOswnOsAK+QakoQm2e9G/IhQzs/Rt0tuP222
9vqlSpknaBoe/nF198Yd83Tdp8jkJKoJ7c+CBB7pX0ttt91scDLMAb0s38/nqvTeHXDAAWbffe1P9d
nYK211nK/Wr4VK1bYXed6/9SycubMme5X/GhBqPfmolMOcq/kx7Rp00zLli3dVXqp71fNmjUD3bvN
mzc3xx9/vh0PN998c7PaauXXQ4V5z+p9e+aZZ+znPeWHH34wV155ZeBdEAoladeEgtrVqlWr8H7R9
1r3yuuvv26rB3NZNOjrfcCBB0ytWrXcK4WhVsA6BkNjcrYJAt2/HTt2tOpDzjvskHZ81t+nAjkCuko5nIE
h6psu3TpYtZdd133SmEouKOK9kwBtkKMbykvfSSueCCC7L6HuqeUeBJ54E2btzYbLzxxhmDUPo+6
u/67LPZlwZM+w9q/sg3d+fevYnWc+ePW0L1SB0LqOeO3o/4yTbOVuQ4KY+SzpL/JBDDjENGzMe2
8uXbrUzj4927aH7NevX067kk899VTrVu3f4w9PveEnu36ujWO6Vlf0XNeC1sdHaBzybXA1RiWy9etO
dnNpp52W16Bvt9v8Q1oa76i772e/VtuuWXGXRDlLi0z8+bNM6NGjbKfad/AeVlqlXv//febunXrulfyQ58
BvS9BAwcqQNE8vBB4pqMsn3n+cjSet2jRws6jlrzQGabrr79+2vEqNUZqXqDPgtar2X40jznmGLv+1
teRrUGDBpITTjnFXcVxuvrRz7wjSmGMc9n+WzVmaa2uH5p765me6fkT5tqzEM/yimSbeC4rtRZQDE
fvYY0aNTLGPDt//jj/Y5rnFmxlgRadfCYa2Lf07rfM7FtaLAXXV81/96rzVX0XM2is9MkvjOt6Kgr+/GG2/
MaefvBx98YC655jKcE9C6tw4++GAbV2rQoIGNY62xxhruV8unsVBxz53Rr6IDbUbJdTzR16H7TuuBfM
tlntNy5Egb08l2npJOGJ+LYqHPu5DYWLceeedthu9dVXd69kj5fPbtlf+Frf0PugkDFk5I7EfWu0SOh
MR+3M1QQnHQVgzz77bHP44YenDTxVRAsStT5TQi2XYJR2/isAUSg+RREVOflII81ZZ51IB45ME76K6
P3TJFA705RMzWSXXXYx7du3t10cgijEoOb7+WzUqjE56aST7AMpxbl6CP3dSmqoojvozvhVFaLoxDfx
r6pYJWvSnd2jh7ja/Oih6vvZC+OeXTVYqMWM7l8dj5Jjrl+3jj3apZTt4ISfE00iCxUEUIA22zMjRe+XAvX6/
GSzqNHfr52vffv2tWNMNL+DuiWoKKyQgZO4TdpuaHT++ed7Bws0rqjqVc/XMMYYPbdmzZplA6jjUT
zuVgpIFJN/B933HFpCxE11mrBp8B3NtXvCuy98MILdtzOjpGuv1/3WqpQLmgwNteve9GiReY///mPPZ
M6m69bzxqNfbVr13avhC/bhXzQ91Bjh8ZDFU5o8Z7tWKxjtSZNmmSf17kEeMNIIfmYS18Q/z3SUx2e
er/tGn9Wjjz46Y/FWjyo8zj8/39xzzz1Zn9ue672joL7P3/2//3PzmOCjucqjAhj/tS6dWv7HCqP4iWvfaa
u8pMY74KL4LefypyzibGUpYK8HltVveZY2lurfN1leTSz7ONdYjWinrWKX6htZyvqIK0YST9VdijjLoS/rl+
DnTPK4Go2Ifu3bKbH8J6n+KQ+M8l6a85yhFHHJHTZ7ZuaBxTYa9PrYBtyvDpSKln3Zprrule8afPteZO
a6+9tnvFT7afpVWpeF/joeZxuSaa9QzR2KKYXy7z8Ull7Jd5yxevNh2m8q0MuifEY0jKoxSrHujjTb6R1
GU/n4Vs+vlgFULoDQ2k/j+i+5JPV+zWRfkm894leecc449oiWMIuVsP7v5k03XQrwgOBL/xYnEfWu0SK
QWGRUtVFLBWCXBNTtsM/dq9jRAqDrolltuySo4qzYjSslXop2LzqrVREs7ILOhChk8iL3ffffecktarUlJtBeR
UjjDNgrgihRjUgn4+tcNbn0kl/sNeiGk3IN47LYj9qWuAdl3li2/i/5prrrE7Gyp6uOvXtfjRrqBc6J597rnn7I

TZd5Ko8UPJGAWzpk6daouH0gVF9Pu1M1TJ01y/biU/NRHp0aOH99ddyHFGNMnVe6Pdqz40cVMSU
BO3MCa9ChSpmEQLAgWLfGgBpgSDisQKJU6TNgUr9VnT+OJDhWEKrm611VbulXBpAayFrwphUoG/
fC5WCqUU//692pcrGhOos+5zv1XAiTZXJ0Wj2pP7jsOyOmnn27vA30N+q+CTekoOKbf68/l69b45f
GUH3d2bTnzHdhaTZzdBWN6r3JVHyqRM//I18eaqcPfv1/dduimwKjixfuy/jmvjnmY7yBjnn6/3Wmls
7cPR5CJPWkPocalz0TVBqrql5jgLthRDx9tH0DlqypgxY0Jv95ytIHMsza30WQ0jwVXWzz//bj972bSrLX
Txdq7JQr1/mtftvffepnLlyu7V8Gh9ok4wKuRP3U9hrYuiTvyru4Ribb5dORVvUCxSz1qS/vmTpLVahr1
elfBXa311XA0r7psSRvxXz3DN5zfdFP3SviyTVhqXpJu/aW5kDZlqBD5/Oh900b5xSDVOdTEv/xpRi9
1rHqEhhE2MUs2X5284F4Qf7FKYaM8IT75C0i2p2oRUBFi38FH7SQ1iQojKS/aEGjKkgI1LO5gZTACLqA
zpX+HgW9fGkxoQFYiel99tgj1Mmf/qwWLvrYPzvbgoS4UsJfk1klqBT4yMdCTIicBUCVXPalljZKjseBPpu
qUC8vyKDpNxIYmiDnmjwX3bOajOhe8L1nlIDX+6bFLB6a6QKNmtRrAhfW162gub7P2VQQFnKc0Xuj
IJVvgkCFRQq4KLgVRoJANNISsP/BBx+0VbQ+9PWrqEuT1VKkz/Yrr7ziroLRe6zvfb6S/qJdQ1rs6zOt3XY
kcZJL84qKnvsdOnSw3YBUaBjGokkLac0PgWZ0V6WdnR9++KE9ckI7jtNRoEfzzCZNmuT8dev/33XXXe
1CW+HLz2rtOskTvQ1Pf300+7q33Q/qyOPFsxhH0+jz78CmZpvagzJxrPPPMuTlqWEZzqyoXtZc2Alfx
X8CjvpL1pDKrmiwKDvfF473VVEAugzpBbUKgrXEXL5SKZoHagkmtbsvkaPHm3H4ULQ36OvMZukfyp
epGe4CoLykfQXxVNuvKDvI75v+v4VA7332ST9RZsjSPojRcUxmutm81nSs1pxbcXetAYJO+kvqfivxgq
NGb5xLdFuenV00781ThRb1Vqnllp/jB071s5hfYtC9L5pDqwEH0n/+NI6Q/PSoEl/ff6VdC90e/g4I14Ak
PivklKtukHLoyoqtXnUQiTsCYwCUEo0oArQbCYuqlpWZVE+KGZKVFZnITyUpXfYQXuyqOjj1qm6+/K
5j2ME1W6Dx061D7w9VAKI2mRjolJmiyorbYPJTPi/kDSZ0GfCVxEhrmY1fdELRyzuWcnTpxoF0QVjTwI
P1OBcp2xF+Z4o/dABRJa4PtS0irfAe9sF5pKlqkQQwvMfNwwGl/UOksdl3woafHOO++4q9KhXZUTJkz
wSvRo/FHFbaF2NmjBq79TwXuNuSge+r5qj6batYVJu0Kuu+4672elWoyr04sWcem6rejPVdvQmjVrulf
CofdBzYrNY33o3tC5dXGhc461W6qi91AdiLTlZ8c8fVuqTNLz2TdxLCqgU6Ax33P2uOCZDI+a/2qQqsJ
BFVrlc+0o+nxbpPSdz2scUvB9xYoV7hWUGq3RVcyn+JE+Q/I87oiCySqC8R23VOhaiHFL4/2AAQOySh
bqvdtzW0du5vueT9H3S983ff90xGe+v3/5pl4Qmh9l897fcccddnckSX+kqOBOG0V86X7SZ/Coo47K
W+HOqjRWaMzQOjzNBjrF43T8TjyoUFwx1vJobqQj3PK5QQLRUgxNz+xMGwVVWpU1iQbvklglBcbfk
jurjYgmMUoeKgCVLwo8q1hNgk5tUpUO5h80QNlrdDSJSrLowmYktdhjy8rogWLzsDXQO+bjl0Dfc2p
SndVsRZyAVqtWjVz7rnnek2alcyl+24X3U+6r/IROE7ds5ps+dCDXO2nK6LPgcYb3Tf5+Lp1n6gQwrcC8
a233jjff/21u8oPFTGpwMpHvpJlZwlxqcs02nYHpxtEk7a4dMYoFLXT13MpKI07Kj7SOFRo6gDQrfkzd
4Wk03xNO57y9VnSn6vnilqd+VASM13IvsYxPRfy9XVrF4AWnr6JLY3JmgPGgRbyFXWe0funqv1C7XZQ
4lijwmjy6SI5/MEHH7ir4sYzHT7U5UGFzyrkDquzXhCaa+tIK3Xg86Fk6o8//uiiUEqUfFdxinZ1FSLBlajx
S2OW5jo+9OzUkY35pPFexQp96b5X8I2bYPKx7s1E3z+dkb3NNtu4V5JFzyMdAZHNe6/uDPo8kfRHio
6L0G79dIXK5VEyTR3GGjZsWND7WH+XOq3o7/ZN/mtDmzp/KG4RB1pvaYOQ5pplqVhVsZlhuoAivu
bOnet1LKwWTcQWZgz/P8QLgL+Q+PegCYRu1kIMDtkm5NROLZ+DgiYfVkl/Bzf1vmlXdCEnf0qWq6Vt
NgUUUVISQRWYhax0L6tx48Zpz5Mqj86JimvbUwVltFsonxMh/dm6X1u1auVeyZ2q7rV4yud9o52rOk
rCjwmkCZRvxw8fmuCq+rK8xU5F8p0sK0uTN52x6HnwS7X5LiX6Hvrs9lcBzQ477OCugOwUar6mP1/
tx8NSqMIXBcZ8z3xWcV9cAmIV0ZxPZ9PmO1FcVrbdkvQc1W6OuLUXDRvPdPjQuk2dUfLV5SETdQE
69thjbRvcoFTgOH/+fHeFUqDntT6neuYUsjhIVUpQaw3nQ+v1fB7dow0oKnD0Ge9F613tYK1Xr557BT
60G/CJJ56wG218qUhWHSQKWBiCeFNxkOKR6VrNl0fFOyrYjL4Rt37skn+K7k2adlkdxWt8ePH2w1gZ
SmmqeJt2vMXN9+j0QoVPygWxAtQakj8B5RKXutc+kLJjiEnCs7mY1eW/ky1e9VExEc+d1pnomSsEr6+
rfCioq9VhRVhnUWcLb1vrVu39mqPrEDCDz/84K7iQ0FcVbAXoohCk4fjjz/eXeVGExII/guxCFdFtr7fPvK
5Y0Rt5XwKjFQso3Gm0JNd36SfgmD6t+V7p41o51IFFa6FpH/z+++/764y01mbBJ6Qq7PPPts+R/NNz2
kVe/km0Sui4wN8kk3ZUneLgw46yF0Fo+CDbyC/kPSs1zw97GMdgtLzR7vGfb9/2imaz0K6OOCZjiBSi
dSrrroq8p1sderUsQVSQam4haMfSoeS1C+++Kjp3759pG3hNQfRvNmnyGnmzjI5e5YrVqROHUHPI
07R168gfFj32kdNyYDHh3/cJvB96WiDfB/DieTRRjLfzV66j7VDWc/PqClmrzWBb3czFTsE3WGdT+XtVF
ayMMqNYSiMbi7KKVT8oBgQL0ApIvEfKfpyRJG8ziYhp4laPnZlaZHou5DTrnElQvO50zoTTY70/Qtzj3Y
+qDpVbdqV6/uXomWKu59EgMKeKk6MW5UPFPIQIlmE2oTmgstUISsUKjPwkYbbeR9f3z66adm2bj
I7io82inis9DUe6WARSE6sZRHZ0L5dMdQJfnChQvdVfHzGRMaNWpe0A8501imwqnVV1/dvZjfVatWz
XnMI1NPPdXO9wo1z1Ry1efrVgFPXBP/eg6oUC7qYONOO+1kd437UEGFz3EoScMzHUGsvfbadpdw
u3btIk2kpqgAUc8Sn6TB559/bn799Vd3hWK17bbb2p3pUY1RZW2xxRZeZ/rqOf7FF1+4q3Bpbffss8+
6q2BU8FOIDk3FauXKITY+pxb/vrQxRoVWJBKxKnWP0O53n459elZql3pc7m0tpRTH1NGvPl599VWvf
3ehajzUOocd3cVPBcU+47nG8UJ3Vk4q4gWZrbfeerYLXiY6WkjPCiQDif8A1LLouOOiyR5nU1CTucxL
VmyxF2FR8cl+Oz21wTI/PPP9wqa5lt2YuuHglevpTxq16RERZzOatl0OfsYIXHxi0poF2Yun8KORHShP
zAAw90V9IRAKiFIIXUtGItR++3Apz56PCgcUatjILSOaxKXkU12dWY0rFjR3eV2ejRowuyoPzpp5/cz9LTx

E4TvHxZtGiR+1ImCvbHleCPZFOxYaFbt+25555eO+7KUtW5Ov5oJ36h6FmlnYI+5s2b534WL1E/B1L0
9ytx6XtUknb25LP1cpR4piOlnXfeOfJuZ2UpgaG5cVBq9U/iv/jpDPi4F0mLihx9PqeSj2Mp1PIESTOfbm
MabwvdUbOYqMOCKv5qHey7S1mbYtRZh6Q/yIKMR0cZ+dDnsPfONFnW0dY+MYzdbxB3BJaWlf4jv
NIIno8++sj07Nkz8HiuPJUKbhjHgyFekJkKn4N0X9WGkHxsAkR+EGERPQDdkVK1AxDchl4+d1xpgfM940
o7IBg0auKvoNWvWLLQ27KVCgTifz37czrfUg127MQtJD3Lds9mOGSsqYUSuvQrc7r1Gjhv1+B6XOlkG
Ty0FpnBk2Bj17ykwtknQOa9TnnPnunM3nMQkpQZ8BQSd3QBL0PswlAZ8tJFyCchoHFP1dyHpWaU
ztH2osDRuiS2NvyqWi8t5l0pk6BnuU2g6efLkvO3AjBLPdCTZJpts4jVGfvtt6HPi4EgtHZs0aKFu8osH8
/yr776ymu8l7gE4ZNISX8V1nXt2tU76a9E0RVXXBGrDSeIb32ujkyY4FXQGOumuUzUoeWEE05wV8G
MHTvWFj/EheakRxxxCzfX4RHO6gfffRRO64Hoe+irdq1arlXkE6xAuCUTFp0LnBggUL3M8QdyT+M
9BiRO3TolyQbL755jZpHVQ+dI5/9tIndqAJsgOrWs4UqtVuEBRktYsnyiKOOpFEY4cddnBXmWkH+loVK
9xVtjt80S7MKNSuXTvohcdKeLznodFu759Ev/5GGdmz55tXnvtNXeVme7nKN6rsnx3zr733nt5rbuU
PRj0DKitttrKttgFioG6rUTRBiHFM9merac5ic4JjqIAxzdZEMcdrUoUK7AXJ5qz+xzTpWfp1KIT3VXx4Jm
OJFtrrbXsGBmUEp/56LgHZKLuXT7PQRUHh7leV7JQG0SCJiwkbkH4pjkyZyrtZul75q82NOI84Sctff6
NDaok5GPqDfjpaMYftu2bb066KroYebMme4qenFc5yBceob269fPPPTQQ+6VzM4880y6QHggXhC
M1j5BY2nKEeqzi/gj8Z9BVEhkVWIB5BN4kDADD7qZJ06c6jXku+uSrbfe2l3FhxKbubZhLyWqQPP57C
1fvjw2u57UNIC72KOgds3169d3V8Hp/dbCJkod2Ntv737WTa6uzcs+ty89dZbgXctKMmmlok4FBf57
pzVYjLsooLV26NHBLbnXEiEvi/+OPP/betQKkKOikBVRUhZpqC51N4EtnUNarV89dFZZvskC7WX/++
Wd3FT0V+MVxt2A2x3RpzNYcqjwTEcx8DkHVj+BuBQ/o7Soza8KeYPSczzM9brG+UmTJrmrYLQLI2R
WdtR1Tzv9fZP+2I3YrVu3yGObiC91jvU5nikOm+QyUTxQay0fGs/i0MZac+N999031u8vcqdCrt69e7u
rzFRso07GdlElhnBcloLBz0yU90H1Kkc8UfiP40dd9zR7vilwwDhsxNxfM5VzkSLOU0Cg1LgWxPAOO
32T9Gu5qh2gSeRKr7U6jlo7Xajy5IYOiNfx38UfHcjpehr9k2+h0JJY17QYW5IFq4cKFX0OiaAw6IVXGRz
85ZBYfz2aZju3KDVqorWZnPZ5zPgkTPmrlz57orwl8Wddtss427KjzfDjkpklaI6mw+n8WdaMyP07mX
mmtuscUW7ipef/p0ll56ppULHimoxhUqVLFa16sFupAoWkerzliUloThdmlxLe7iwLd2oVLMsufzoC+
5JJLvlrijL+3bt3j+mPCqlwzafDq6hTU9w/UxpnIDz36cymMU3H90RNuQh1EkXx0kaqPn36BC7kUrX
DR7X4tlgvdcQL/ATNR8yYMYPC94Qg8Z+GgrE+1dP5tOmmm5pGjRq5q8wUcAurHauCWT6TwCh3r
wWhSZ9PEKeUqXjDpwXf77//Hot2L3p4ZpN4D1M25y3pHt9ss83cVeGpyMNnUqQFUVgVhx9++KFXa
zIN4Oj0Nr3vzlkBfvJxr2gHz5gxYwJNwjQO+uxmy4aOqvGhz4CeX4AvFUiq20pU9Hf77vjXPegTiAqbvn
E+zyqdZf7jjz+6q2gp4KHEbByLTMX3mC4V2KrFarHgmY5ioM+kT2GW1kFAFHw/pytXrnRXufHt7iKKF
UXVIS/JVfh02223eSf9O3ToYG655RaS/khL83ufzV5avyjmloQChiXPfy5w0nrHt6NGPmidw3EoxUtx1F
69epmXXnrJvZKe1r5nnXVW3uN3xYR4gT/IUYIUI+hYIAkTJrd+TQAS/2koiKwd4nGgZKBPAkWLsLbuQ
FU8+ITyRLI7LQgF5qMMtCdNEqtMNRnS7vUoqxWPbxJID9goJyW6b1VkvGgaq3wWmjql27FRXrvfAr
FVDSRj7OyP//8czNs2DB3lZ7GwWxak/vQDk6fiuRBgbwZc0KZQMkXdtHGxac801vcfPQtyDmSQ1E
KxFfNQFfukoUNegQQN3lZmSjp9++qm7Sjae6SgWKogIQYkkyKbgPAzqHOBzHrbmPbSu9qdA/7XXX
msGDhzoXglGnRV0LEDUc03EnzoGTps2zV1lFrdOTeloTr777ru7q2AUAA48yHqG4YJw30yE3+mzpWI2
+ffu6VzK74IIL7LFoPD+DI17gT+ueoB3HR44cGYvuKEiPxH8aUbbcLkvtWH0m7GGd26aWTz7VjIHvXg
vc971E8miXvtrFO+uvv75X20Xd01F/Ln0TV2GNMzqTxouroHT2rs8RFIWgCbhPkkDFVGEcbsDZ8C
AAbZKPQjtsFQb23xSwZpaWPm466677FlnQFBxGD91xltv2704PKu0s9iHWON+rrRIVoFdnGkd4fOZ
UletYih64pkOAKVBY59P4j9jycK4+Pnnn03Pnj29k/777befPdM/ymOwkBwq2PTp3NGwYcNYdWrKRA
Xiwi8GFFx51Uq8UXhYvHS8ZY8ePQLfczqu5dRTT+Vcf0/EC/z5HI+tDVuDBw+m41nMkfivgFpu+7Yozi
cFoHzOKw8rAKXg3Zw5c9xVznHYvZaj3sc4fW8RPu16iLqdjyYYPi0HFGD2KRTIB9/EVVjjM4p0k71oLQ
Q8hkPC8Unia7KyDbBzmvY98orr5jevXu7V9LT+WBBj3S5UDJHSR0fKja79Njl7fnQxZAEQ/7piJ4JA59
5z9169aN/FmlxZ1PIOzrr792P4tW/fr1Y9u2L0VzTZ/xr1h2jfNMb4DS4NsZMmnJwqgp8Xj77bcHXt+laJ
2npBltoRGe5p4+8zatG5RITxLNyX029mlx7U8//eSuCk/3bpv76Cj76uBy991321bpQWjHulr8c1yLP+IF
2dEcQsWDQTz66KN20xZx2/gj8V8B3XxRnrVdlnapR9G6XEGs7777z1lpglgIgfbsBhVFO/M40yCtg+1+
NI5LRq8L7nkEnsm3EUXXeR+V3LkexdzEKutprXjeOj/6gn9/p6ozhHTGOMzocMQom1uLzr8tk5q3+z
dnCEQed0DhkyxFx++eWBq4aPOOKlgrQFVTJHu3t8d0Kr4OzEE0+07c9++039ypQPiWvNU+KmsZ9
H3EoIPQ9wzoO9L757MaOiuYiNWvWdFeZFcuucZ7pSBp1uFPByqxZs+zOITvvvNPOQdQmO+jxSUA
hLFu2zHz11Ve2OFZz5C5dutidgMccc4z7HYXj2xIsrat9i4FLmdY/TzzxhD0D2ocC9vfee68tLgWC0Ljy0
UcfuavMkrDZqyytdXwKYZT417wgKuqMQkv34pPq0OnTweWKK64we+yxh7tCUMQLsqf3Lui8UvPA
Cy+80lwB47kf0yR+K+AkuXX3H1SaNrZ5d0+TQuMJExQSjHxn0rua1jfNrmvc/y1Y1KtcHRu0GWXXW
Yef/xxO3j7tPyKC58HZ1zoalC4Vypmi890EbXGLob7V/9mBcxypT/nltuMSeffLjZuHchezU9BQgLeT6
YdnO2bt3aXQWnf0/nzp1thbMqopIloij6fiVtB5kWVFEUWhWDpDwHti7wZ2xaNEie15y0vFMRxzp+6

NdVjrDeNXkfvPmzW2xv9ph6yxQzafUHvull17y6noHhEVJOBXjv/HGG/9I7qtISmtc7bZt06aNDbQqKa
xWq0HXAGHSbvSPP/7YXWWmpFsUG1mSSMkhxWJ0rr8PJf3vuOOOxO3GRrR8N3vF4agyX5qT+xSa
al4X1ZxcGyaSVliBYMaMGWO7uASI53zHjh0pAskC8YLs6fN20EEHmSOPPNK9kp6S/1o/af6hrw/xQu
KAqoI9N25IW9RnOfis4hM0gSIWNsmaeevEvVK7o8ePdo8/PDDNrnf07+/1RckTV9sWQ3C82+v7Eo
dio0ls4JXN1TIFQCnjFoaNDGLjpH6dAkMZl3d/nn3++DVirIWNQCggpiFTIVmE69uKoo47y3vWfogD93
nvvbS644AJbAKBxDkg6He2igq+oqWAiacE77cSOw3uXiW+3Lo3vSR/feKYjSsuXL/87ud+vXz+b3D/hh
BPsEX5K7ivx2LJIS5L7iFSqGH/VTntK7qsYX924NC6qGF8dj6JO7qe3bA+hV5J6QwZNc0DNDb5JldELY1
vvPFGuirAm5Jlvp9krhhxbfbYVRjrlyq2cZNEF+K0ffs2TNw7F1xu1NOOaVocxf5RrwgNyqauPrqq+3
nMAh9rjVvadasmbnuuuuM+PHj7RiqrxfrIvFfAe3CittkJopz6X0Xcz5tMZEbBbd0rp4CW6nkvhJsmtAq
uX/YYYfZtkBK7k+cONH9X8VPwT29D8hOoasi1ablZ1H1wgsV2AljjQri9kPBZB++bYFVSdmqVStbra77
+5InnvEq2kkFhKJo/ZjaRZcL/XtVANCpUyczdOhQOwYCOSVSHFr9j5GS/kkLxCepw4NPQez06dMTf04
8z3QUggje33zzjS1eVvFjKrmvgqpUcv/ss8+2yf2XX37Zqx05ECZ1mlCwX0WsqeR+eZ32INxPWjG+nld6
bgWlrhrsWkxPRSFk+I988cVenwWtDe+55x7aQSMrCxYscD8Ljqm70RUj9PnafWLhYapRo4bZZJNN3
BWKgTrkqMjvzTffdK+kp8KPq666iiNbckC8IHf6/Cl+rDhyUloD3H//ebQQw+1cxPFr1mHRYvEfwsXisvs
2SkqqfPvtt+4qM+2kIOGaPwpuzzS3zz44IO23Y+CW6q+UmCr1JL76ahTR9y6daBiOr9QZ1Uiv/bbbz/
bASSqgJCK6dS2X61Kc6XA6HHHHWF23HNPWzWtYAXHAJQ2FWoSTEYcldp8hGc68kU7pNXtSAkxFTj
Xq1fPJlFvvvlmkvulDc1HNQY+/fTT5vjjj7dBt31eVfyaxOR+Or7JQt/dtqVGnx19Prp27eqd9O/Tp4/tAgd
kw+csex01ouLIJNLuX8VQg1I8/I8//nBXhcOxw8VFnyHNCR566CH3SmbXXHON3fCC0hDneIhixypaU
RcqjBPZMVTof//7n9ckUFVK7LgLnqymnnzySbP/vubJk2a2Mq/sWPHul8Fkk1BDtr/5I8Wjnffffbd5/vnn
zS6770JejYaOF9Ax0HbRWWilp8NN9xgK1DVbk3jll0AgOKnnTAqjkqCJLQYDBPPdIRJnyW17b/ooov
MTjvtZLsdPfHEEyT5ETsqTNGufhXnKzGm46leeeWVoknly8cnTkRHvsmTJliuz/4jG9K+qvrCTv9kYtly5
a5n2WmtuNJ2UVblnbRaw0RIMZvdW0ptDgeO4zsTZ061W7ACUrnh999NGRHPVcTlgXhEcdqrT+Ul
zZ51gCxANPE1RIIwK+bStVlciOu/Coil5nozRu3NgGvHzO3QKSQm2KfdqLIBgF2O677z7z9ttvm7POOi
s2Z4OpXZR26asDQZhSwVa6AACIE98jsNS+PMI4piMM6hwxbNgwe4yZ2varALqYE6hIrkWLftmWpg
0bNrS7+rVju1T4JAt1pFBSSAvBRmDVRlt3p75v0v/XWW+3mEGJwyJbvEU20oQeC07pOydKgY7s26lx66
aUFp34V0UpCvEDxZMWVVaSoOLPizUgGEv+okBZzql4PijN2w6EAwu23324TWAokEOgCkK047rxUe
161i9lu/bCt2gVAu61U+KBjUgAgCdgtj1Km5/Xrr79uz4U89thjzeTjk92vAPGi83ofeeQR06xZM1uo75
M4Kwa+yUll/tdbbz13hVWpyEnHlgQ9+1l0LKnWOwcffDBjf+REhfjRtLOPgjaq+exWVvcTdcEtNOLqxU
GdKB944AEzatQo90p6Gtfv9UUdroB0oo4XaCxljEoOEv+okHZb+FRylzeadCtjpfMAIfgn4Q8gW+oQo
k4hav3YvXt3W1AUJzpfT1+X2IPmq13UM888Yw444ADTqVMnM2bMGPtMAwAA8aMuc3fddZddB5H
wR5x99NFH5txzzWXX355ySX8U0opWRhHWj+p0xlfyA4tc/36YKoeUkU49zqq6/OvZ1wekaOGDHC
903b172SmboGtWnThu89YinV4UrxZc2BWaslB4l/IAZUsaVJgRJUUQ6g2iV7xBFH2FZz+nq060ZVigCS
SQFjtYFUIF2FRXFqf6+Wn2eccYZt06+zzPJFbVc1th511FF2TKMDAIC4ivsZf0A+fPbZZ3Y+oPIKVIXP2m
mlltkXXnihTarpfPaJEyeagw46yP0OIdrNoYcPH27nk5q7RkUt3tUVQ50Gd6wilsHDBjgfjWeVOSrHWi
Ix6uvvlqyRSel1lZbbcVOTyCDuXPn2rlk0Dltq1atzPnnn8+ROAik0PGCGTNm2HhyKXa4KgYk/hGa2rVr
u5/Bh3ahPvTQQ6Zz584FCXY1bdr07+T+Cy+8YBNhCrjpXFYVHTzxWPm4osvtokynVdlWz4g+XRvn3n
mmTZQFKfkvyqadZaZWv8PHTrUBt3zRQUA7du3t++DdmsBQL4tWLDA/SwY3zP+gKT74IMPzHnnn
WcTqvmm5KOCq0ru9+rVy/6d7733nj0rU/fqSy+9ZIsPNE/Yd9997dp2jTXWcP83SpmKRgcNGmTOPvt
sr3PYs6VifLV/V5BVxfhK7n/88cd2x5W6ej377LPmyiuvtdiaG0f92eHdtlqty3CMXDgQHPVVVeZ77//3r
0CAlgDjcs61//dd991r6SnYj51EKpZs6Z7BaUmrvEcxy3Hjh1rTj/9dHb4JxizbyBC2un/+OOPm2uvvda9
Eg4FC0444QQbvfJyX2fGzZ8/3yb3FTlhJfd1LpyS+5tuuimBLSDmVGGvHT3jx48399xzj3eSXIHKLI26m
CITprhX4kPBwBYtWthAlgLx7dq1c78Sv79+9s2ak899RTt/wEAiliK8C655BKvs60zSe3cV1JMyX21Wn3
//fdtcl/zIM0ztD5SS9W9997bjvcpcY6CnyqKERr5zCL9BXsP+yww/7RaU/F+EruK8Cql6uU3FcxxpL71a
pVY9d8Edprr73MjTfeaMcuHxrLBhC8h+FxBEfQMUU31e8TuNzUCoo3H333d0VEB+KG1922WXeBa
/qlta7d2+7vIOHLMWxER0S/0BEFERQG0md558LLRK1g79Pnz5m+vTp5rvvrbPAI1rR4uS+zvvLPZa
KONSO4j8VTU0rZt26L44Rto1v2rlp3GjRv/3SJfbWgVEAxKkzVICsAHkf6NyoQ/9xzz9nq0hNPPNH9Sr
jUokpdVq644go7ZglAPnC0SHql/EwvdUpW3XbbbTkn/fUZuuaaa8zLL79sPv30U/PFF1/YJK0KHZXC33
PPPc0WW2zB9wdZU+BTyflck/4KhKpwV3N3zcO1c19FqKt22tM8vxiT+1999RXFthVQjEbrHY1jvp5//n
nTrVs388MPP7hXgPz6ssvza//uquksencfjDeBLm+x84vnnHOOemkk8zqq6/uXkEpimO8QDF5
5ZR8kv6nnnqqmT17tnnxxRft55o8VDyQ+EdotKMcfwme+1OWAgSqjtSfox382uFft25dzgVCUTv66K
NtkKMYfuR6bxq2ye+6667mkUceMT179gy8U2TUqFG2CjnOFFv6tzVp0sRWis6ZM8cGXLUzKmwKuK
qI74cffuheAYDwKEAa1G677WY22WQTd1UaeKaXJu2levLJJ712RK1K8wHNC95++21bOKCE2X777Wc

222wz2okjVERQq2DWd7dTirpPaj2u/18dp1S4q7i7qRWi6J6P01FjcbPmmmvagPINN93kXgloaxnFIH7
++Wf3CoDyqGDBZ14O+FAXK8Xkgsb31e1FcSgdhYPSFrd4geLEmrOqkDolHaWmTtaai6hgSse5lj5YG
QMR+OWXX2xLv6Dn/qxKi0lFurTla926tdlggw3crwDF79tvzXLly93V5DKISvbisq77rorcPJfSQqdFRp3
mjTWqlXL7oaaNGmSGTJkiFeHgyB0dIL+fM79BxCmFStWeBV3qh+1JKWPNNLk3ZQax3kS7v7H330
UZvs13N7++23J9GPvFGyWoFPFcz60lx19OjRtjuXOvMpKFESmA0562ryh3Z/q2OhLhdLaZaoYE5B
P6txRKt07dE+yExtBaOxNzU+DUMxO47027qG0xTFe8PnnnwcuZnWQWymuuysz+eWCkjNFrQJa
WSO+o211OnTjX9+vVzV8Gosmvo0Khm3nvvtYeEuqqhQDFStWKNGDXeFbGmS1aFDB9vWNggVHU2
YMCFRu2+0+D7ggANs0VPYXQC0SFPrf7UJBoAwaF7sswNPu5XVDi/JeKYjk6VL9pkqu+uO511riPS1C
WC3VEoBHWDUrtSH5qXqpuFunHpzN5iLUxRHMIlnIaYjthYvXuyuUBGNbZdffrlNCpqn1auXufXWW0
n+w4ta2fsUjv30009m2bjl7ipZNAYtWrTIXWWmhFYxHr2CcGm99/TTT5uHHnlvZKZjpts166du0lp2
O8QEeu6hjpIPRZPuSQQ8hPxRijf1RIC1Wfh0t6Jy3pMq+KOixZhapvhUdensULUjbNGiBTtbUNI417ji
Soyrl4iKhIJ46623sj5qJEpluwAMGjTltLNIZL/alFFwAxAGDSW6LzxoLbccsuSO0uUZ3rpmTVrln1uB6XA
+/3332+uvvpqG+wCCKGB2FdfffdWrO5/m39rxd/jhh9tuXMXMN1mos2JpRR/MxhtvbJP/+hz5UvK/e/f
urGUQmG8RjzoGjjF+IOowtWTJEneVmeblQCba1PfwWW+7q8w0th9zzDHsjoYVt3iBxkh9poPQMWWvq
cMVnOd7IIKjCqjLyCbAkKXj3ww8/uJ8VnnYPjBw50l1IpCCdrZus8027hWgeGjSonOAglKFeVIKjKKw9d
ZbB64enjx5stckM45U7HDggQfaVqpvvPGGOfHEE92vZEcBsxEjRrgrAMjejz/+ajMdQa2//vqjbynKMx3
pj2otuk+SQPtJDnhhBMkqGgFNCYM2aMu8pMgdhbbrnFNGnSxL1S/NZbbz33s8zU4cPneVjqqlWrZ
j9P6ubmS90hVSxF8h9B1a5d2/0sMz2/fxBNx4kSWu+//767yqxKISruZ0D51ElYbc4/+eQT90p66gqkzS
sa4wGJW7xA87WgRa/t27enQCoBSPyjQhpMNKgEpbZPSajkVgV/VJNVtdWeNm2aV3vLM888k7N/UL
TUPi3oufSioh21iUX5NG63bNky0ARM41CxnGuvTii77LKLtzrSJtmzZu7X/H33HPPRX4cDICKJeVc+k
+//trMnDnTXWW2+eabJ76lKM90pKPAItZBQbVq1coceeSRJP1RcO+9917gs3pFR23tscce7qo0VK9e3f
0smKQXGxealnI33HCD2Wuvvdwrwd122222WyQddRCE5p8+5s2b536WLD4xWN1/vmMcSouKq3r
37m0LWo067rrrbMwK+Ue8IDvq6hKkQEfqf43333ZcW/wIA4h8VWnPNNc2mm27qrjLT2chR7qQPSj
uLokrqKLjpE/BS+2q1T4lyMJ0/f777GRA+Jap9OotoUqTJESqmqv1GjRq5q/SU+FcxVLFQAYCORFEHAH
VK8UIApWjxNmHCBHcFANnxDYxuv/327mfjxTMd6XzwwQdeyVTtdq1Ro4a7KjztwlHgEKVlxYoVxuv1
HXfc0R7LF2WByoIFC9zPCkeJMZ959ueff06HF0/a/HHHHXdklfy/9tpr7RFmUR5xiWRQzDdo7EBUxJOE
hnNqqFO/w2fCw7bbesXCUVq0oU9dfHW2f1AXXnihOfjgg0mU4h/iFi9QXi+Ix0bs9s/IUj8o0JqoewTb
FEFZRlqudWZlOhgFjbtdPEZ2LVzIMpKU02QkzapR/L4tAWWpFaZF8oGG2wQeEKooLYCnMVm3XXXN
Z07dzYPPvigbanmS+1dfc4ABFA4mmvGPXmguzPPs0oBV98dV3HFMx3IUZB09uzZ7iozJVPVNj3KAKI
2y9luu/SoUH/OnDnuKrNmzZrJFGUovic6iz6HXbYwV1iph1kixcvdlclatddd7U7/7NZz1x99dXmkUcel
fmPtDbZZBOvmKPu5SRs+FqVjpbyiQFrTNcYB5Rn7ty5pkePHoGPrJmvnPOOcfGqFAYxAv86esJWvC
s9T6f52Qg8Y+0fCt4tEiO++5R7Sx655133Fv+hBzX0fn++Ty/JZMouyOgdGih6TPW6AwtCllqptZPQYN
DKtgq1t032v3frl07c9NNN5mqVau6V4PRuVY+7QABFI4WpCpairOFCxfaVtFBqVOL7zgVVzzTUR4ljn0
KxNVCMuqdjlqPfc4DRnFQob7PZ3XnnXf2Ou8+blq9RLHjX7ht956a3eVmboo0EkwO9oMouPMskn
+3377eaxxx4j+Y8KafzyOVr09ddfD3ymeVz4bsDSjooox3XE1/fff2/P9Q96DrmlsdeeaWpVauWewW
FQLzAnwqev/rqK3eV3jbbbEP3ioQg8Y+0fHftaNCKeyW3kv5BK/PCpoE9KO10iTrgFWV3BJQOJQl8dox
onElalXmhVatWzf0sPe1qUgV8sdjkVMn/yy67zL0SjAL9Ot8KQPxMnz499oU5ek75tDTfaedbLeWysA
zHeVRkaFP23ztos66E43itKkj8+BR9RH9Pi5M1LHPm+Yz1ir9MmTLFd+AH61n1O5fO/99jzHT+37
rrbeaAQMGkPxHudZee20be/ShQp4kHReoNv8+G7BU0AWUpTFUY+nAgQPdK5ldcMEFtngLhUW8w
J/mZ0HnCRSyJaeJf6SlczrVvi6ouFd/aiE/depUd1V4Pg8eVXJVqVLFXUUjyu4IKB0bbbSR12JT44zaa6FiQ
VvTKViyo5ipjNXjzvuOHPkkUe6V4Kh6AmIL81N4po80Jiq5laPqDs8hYlnOsqjwnCfAmitQaO8J9SFImk
7GhEOx+DUpG+xrwo6b6KolhVyWjf5Ngb7xhd0vCn97vDh06mj49e2aV/L/iiivMSy+9ZFauXOleBf6
PCph8PleKqS5atMhdxZvvvLxFixZZdddA8dNkxQqiEtQxxxxjjj/+eBuPQuERL/Cj2LA2hmWidT4dUZKD
xD/S0q5Rn+CdFhUK4MW1+IMBHJ+KqjBpp4tPwEuVXFEOpnA6kEUVXcElI5sqswVOCr2hHuNCh0
DQoVMwVltfPfh8brYj0GAUi6Kls3ZfL555+bsWPHuqvMtIgvpgAjz3SUR/erT3JSbcSjpOTvW2+95a5QS
nwS/+pwsV7667uraOh5qj1tUdCzS8+woEaMGBHZ11oMdlyZkv/XXHONeyU4jcEXX3yxTf7TdQFlqdN
r8+bN3VVmSbqX1eZfHQqCaty4cdEcv4XwqGuEcq+Crj/VpUUUV8TkokO8wl/W4kG6weps/8qVK7srx
B2Jf6SlxLnV+zpVwQU9F6SQVlygry2qdi9aYCwphHzbOwyHghULRjhGfoy00SDjkCeXTAqNOnTruCqLP
WKNGjdxVZhqvCYwB8fTaa6+Z2bNnu6v40JgxYcKEwOc+SsOGDU3NmjXdVXHgmY6y9EyNa/CtPFE
mUxGtJLVDV2eKKLsZbr75517dIWXkyJGBdpShfNo5evrpp5vbbrvNvRKcxuDOntubIuOGsMbBP6jLzu
677+6ugtHnKAnP9UmTJnlt/lbdpJaWNUuv/xiHn300cCfl8XizjrrLOjxESNeAJD4RwCaAPpUqelhqMIV3
GiXiSanCEYPSHVvAArBt8pck6RRo0YlqpgG0VJAQwFKAMmnQKoeAXHbj4zzjXU8LHPPVvYyvliwjMd

SaakpAJyQNzpWCp1TInKOuuusY9ti+xg0aFAsY0VJooqTkaaedZi688EL3SnCaP3Xt2tW8+uqrJP/xN3ULV
BGPT9xXnyHfVtWFpt3+GnOC0i7tBg0auCvgr8Lvp59+2jz00EPulcyU9G/btq09ogXRIV4AkPhHAL7BO
+nfv7/55ptv3FX0VLmvpL9PRVUpU0Wj2sAloYIXxUGLTN8dlwMHDmSHIACUqFdeecV88MEH7ip6Cq
APHz7cBhiCUoCxSZMm7qp48ExHks2aNCSRBNxXCeNwVB5dP7osRb1PENJcn0LAtK8YVnn33WJu
SQPSUA1PL/ggsucK8Ep+Mvu3TpYsaNG0fyH39Tt6bWrVu7q8zifi/rs62OrzqWIKiWLVuabbbYwlOBxn
bVefjh91VZocffrg5++yz6RoRE8QLUOpi/COjbNo+aRTDYBaXhYQqUfv27euukkFVYGq3HwVNbgYM
GOCCugPxTNWzTpk29WgOrBet//vMfzgUGgBKkwPVzz1nixXjQGc/KgDqo1gDjDzTkav58+e7nxWWd
vtrDVQsxc9RHXEXJp8z9wtN41ZU63UFsuPQzVDPMD3LfGiDgYq9knSsQhytv/769tx+jZp8aQ512WW
X2W6dJP8hG220kWnVqpW7CibO97Kef88//7y7ykznZ+vfr+4HgGgz4913323HyyD0GdJu/2rVqlrXEDX
iBSh1JP6RkSY+Gmh8gnfSu3fvWOyw//77783jjz8eeeBjrbXW8mqdpUBCFF+zKnb1frHbH4VWr149c9
BBB7mrYB555BEzfvx4dwWER+O1xm0A8dWvXz/bKi/qoLWCCSow9TkTXPNqza+LNcDIMx2rWm+99
cyOO+7orjjTC/Nly5a5q8LQOKLzQJ988kn3SvlXLjQ/Prrr+4qmQqd+NemBx8ffvh+1nhpj45cYi16BI2
yCGHmF122cW9EozOS542bZq7QraUYNJ5/9km/3VcQNzbtaNwtLN0v/32c1fBxPFeVhHpU0895TWn
POyww8wOO+zgrlDq9JxVTsNnZ7Y6sOyxxx7uCnFBvACljqMQ/AskmeKeFRM+ePW3iPSoaWO+77z5b
hRo1DdQbbLCBuwpGE+hCtjdUpe4LL7xgK3eBQIPLwjZt2ngVyKhAReOMKifjSgU8kydPdlelyqJF7yCx
wr8MsEG4k3PgB49epi5c+e6VwpPQQS1W+7Vq5d7JZgjjjC7LTTTu6q+PBmx6p0FnivKIXcVWYZswo
eAG0PncK8saZChKrVq3qrjJT54S4jf5VBLLxxhu7q8y0466Q/wafz6kogKuYQ6Gknjk+5w3nm3Y5Kvnv
Q7EinTUf5/E+kWrWrGmuvcZaryMXUvR9OO+883iuwVKSqUOHdu4qmLjdyxoj1X1WxaRBaQw79NB
Dac8OS58hjYp1tn9QKql69thjOdc/hogXoJSR+Ecg2QTvRAI3Jd4LuRhOURJbVZ6+A2s+1a5d2/0sGj1J9
dVXX7mr/NKDSOff3HXXXe4VoPBUIXvwwQe7q2DUolA7HalsMiqPzlXVPXzkkUfaowGWPWbFihZ1cx+
V8WQUjZs6c6a4y23777d3PAMSZdjyqDWNU46x2ynXr1s1dBaMAo3bnFXuAkWc6UpTorVGjhqvKTPf
1hAkT7PqkEPR5u/3227124UTBt5B83rx5sWuVv/baa9vkf1Dvv/++Wbx4sbvKPyW+fGleSg4Uctd/Ns+
cfFtjjTVscHq33XZzrwSj8f766683n332mXsF2apbt665//77s07+q3Dg7bffdq+gVCip2bZtW++W/6m5W
xzmRxojVYjg08H0mGOOMfxr13dXKHWag/p8hjTunnLKKTZvgngiXoBSReIgfWUTvBMI3pWAL+S5T/
q7dD6jAjhxstVWW3kdmaAjtnRs5Pu9U1Bt3Lhx3hNklGwKtGlyk02R0VXXRWbYLx2l3fv3t0uAOBm
meNeLS3qVqlqaQUB9H5EScVnPm3aFLj0GasBREvPAAWtC50sVpBcf6+C5j5KjcDIMx0pCobWqVPHX
QWjOUQhduf89NNPNhgYhw5xmShp7rPjX0nzOLSDX5UCmD5nlaodXiF3kqp1+q677uquMINnCsU
6li5d6l7Jn3feeceu132fOYWw7bbbbmjPPNNdBaeduddcc03kyX+1Blf8KMIFCEr+33DDDTZ4EtFTyrC
0GcMpU0djHROeTZztyuvvDKS40pTshkdbTBcccdZwuYAK01X0s6GdI94nWLBp/EW/EC1CKSPwjMD
3QNCHynQDK1VdfbSuQly9f7I7JHy3aFCi64oorYpfEViKpUaNG7ioYtZzUTvx87XhjtZy57LLYhIEQOnZ
c8897RlrvjSRu+SSSyjtM6fxZ/DgwbbdpQqPKKQx5s4777Tvh94XvT9RUNJfwbyg9tlnHxL/QMLoGaC5
TCECjpo7Tzo0ybZ19N0hrF0h2jVeKgFGnuKQtajfeeed3VUwqd05+QzQ/fDDD+bGG2+MVdv0TJRg9T
F27NhYfXZ17IPPHEtfu85pLtQcctNNNzUNGjRwV8E8+eST5plnnslrsb4CxxdffLhdGBBH2incr07G6j2
peT/aaedZqZOnVqwLh+rWrBggbn00kvNAw88EjtOZdlq3ry56dOnT1bjf322FLf74IMP3CsoVS1atDan
n3yyuwpOR4bq6lhCF5yl5uXnnHOO1xip2Pbpp59uatWq5V5BKUttINQajCgVru29997uCnFHvAClhs
Q/vDrR1iyRCaDcdNNNtrVJPnd+6s9WhacWxRUFOlSTUxV8Udhoo428E//6d+jfpAls2AthBAUqDj77L
NJ+iM21MJUwZ9sAhYKHJ100klmyJAhBe0yoICrglwqjtcYy7Af9L7ofdF74/ep0IG1RQo1ZgfNOitAIam
2rTUApJHAccTTzwxr8mDVFBif4/vWK/xRePgNtts414pfjzTkaJdK7vssou7CkYBoj3Df/75Z/dKeFRUcv7
559vd2kni20FOBd5KnMeJ73FKwYNKthOZBUmNGzY0F0Fp+IgPYPCnuPqzsx6dKjdTR/3oyj0jNM9le
2Oc3WI0bnchTomUn+P/j7t+FXhRrFQp07t/M9mw45iTlEX3SF6Ggc1d8vm6Ag9bzp16mReeOGFghR
s6e/o27dvVvPyCy64wBYsAaljvXy6BuuZpWNuSM4mC/ECIBIS//CiCaACYNIMAEVt/48//njz+uuvh7oo
1qCqCaYqojKd6a/JnW8Vf1h0LqOqZ30XYUrKq0ps2LBhob1vqcr2dEUSej858x9RUGBY92o2NLFSou
Ciiy6yP8/XZE7UxUQ7qTSuHXjggXZnICqm90fvk94vvW/57AKjsVKLN98KWx1po4AZgGRKJQ/uu++0
Fsya+6kXQLaHbRw4UL3anB6Nh100EF2Z2Qp4ZkOqV27dla7otT9TC0yv/vuO/dKbpQkUEHBUUcdZY
tLyqO12r333hvLhED16tXNDjvs4K4y0zpPHQ3itltXhQs77riju8pMa+EHH3ywYMd/NG3a1Pu8er3PWI
erkCSsZj2NejlLVdrKhIX3GZOHWs0HifbdjZ76G6NippOGHChLwVfGluoKRky5YtzeWXX57V8zzON
Mfo2LGj7biZbfjfc52PP/7YvYJSpO4y2R4doXtKxUpKXqloK+yCKNGfqT9bf0fnzp2972OtFU499VSStrB
U7OSzWUTPOj0/dDwQkod4AUoFiX940/mMmlxIs4iQyZMnm/bt29tkjHzi5jljTAXoVEV16KGHZkzu6O
9UUifKAVRBjmxanmqxr0W/KrC/+OKLrAOfammjKsZMle0KyGgi7HOOJBW3aPHHnusvWezpc+32h
0q2aDzQcMKHunP+fDDD+3CQC2MFvhRUQ6C0/ul903vn44C0Bm0YX1/9EzRn6exUoFDnwpbPdey
PdIGQGHcfPPNNiGXjo12Cla2bt06570XNd/SAj41d1KnpGy0atXKPo901nmp4ZkOUQF5mzZtsnrG6j7
W90Yj+2yLBpWMVUGgEv5a46TrdqbPq4JucaS1mRLTPpTIO/fcc80bb7zhtYbU71XLZiVjw6SuBeok6E

Pfe83t3nvvPfdKMJoXatPBa6+95I7JTF+fPqu+Usn/XJNdP/30k92JrueG5snpnHHGGTY+Exca73U8itofZ
0vxlv0ZCsqrACuMoLy+F/PmzbNjvTzICnps0ZImly/D9pUc91115nPvVmvYJSIEv3CNH9qyP0dL9Nm
TLFrFixwv1K9vRn6M/Sn6k/O5iTRVMqaCQpC1E3V8effRRr2Mili1bZtekOt4mjz/ieArYlRAvAP5C4h/e
wljMiQJ4BxxwgNI///1tBb92IWQK5Ggw1eCsc1Kuv/56rwCdJnennHJK5AOoWp4qGZxt5FkPEO2W0c
Ng9OjR5scff0wbwNEiV7sjNCFWt4addtrJPowyVZ7pz2fXK6Kke1U7/BT0yYXGGu3oUJBUCzwF/r7++u
VASQONS/Pnz7f3kIJ5+nP0Q5PEdEFjZKb3T0fAKPir91Tvr95nVxrMRWUfq8CrHqWaHee/rxsJtsa9zij
DYg3zUPVVIHBjEwU1NcuILVt1n81b9IOykzJGAUVNe4//fTTNkmoFuVB5k4V0W4p7QqpWbOme6X0
8EyHaBd1NgXQovtZCXsIZFNrx0xJBH2/Z86caZOnWtdoDTZu3Dj3q+XTmlEjhfxWW8+9Ei/qIKe5iu9a
UgXybdu2tXMdtTdNt+5WEFzrbd0jmleFvdNe763W8b7UoUFF/Epl6vOQ7vu/ePFiOz7oM6NNBz7HR
WgHqP4f36MpUjs+KCGlv1s/1/uX7rmjtbzW9HpGqVV+aidhpjEpDpsayqP3T3GXXlq9RPdqKn6htuN
qm6vxO0jyUO+3nvf6HKuDoe7rJk2aINRYr++DiDuuOMO94of3W96vwpxFjLiKazYb//+/W1yTWt0xXF
1bwedu+n3aP6tYhT9v/oz9Gfpz8yG5iG33HKLqVu3rnsFpeyPP/6w6z3fjl6jowYMcKOk3H+ofE707q3
GBEvAP5SacmSJfnrlxgjWtiq4qdPnz7ulfRS58THic620wlqCC3Q9W/deOON3SvhU0Dg1ltvdha35cGS
1XZl6Xv4YwZM7KqvMAqvDO4VEO4UUNAxCE8PHHnssqxZXFDG/Re+d2q+FQV+bJq6rrfbPWh5Vr
E2cONFdBacW/wqQbbrpprH43EX9/cqGdmqcd955gXeNxWXMid4l0oCawLmU4EbVExjjfvf/8zs2b
NynritipVkJYb6M6GFiLaAZSpC0o+7xff5255FNru3Lix3SVYnlyeC2UpGdW9e/fEV/5rJ5OCdEEU6h72l
dQ5m8/4mdRnVT7Gsmmy/37k8G9KNLRrzNe8li77HPXr0sIwuhUrOxOH7WhGe6VDS+eyzzw4t+aYEq
wqrV6VgnT5rvn+HgxYdLdChQ4dY30dKaQuNaLaj5Ty3rvyxsB8PGcVLNXnlJexoKKxXN3xyu7m9v3+
KBmgHYBXnmleyU36tSgoPKaa67pXvlLtnNZJblfeOAB2447rmtlFVvoqALdU2HT119e/EOyjYGE9d4
UW9yuWNZlczHEtZrGKRxc3XTTe6V8Kj4sqluo2HPyTVP1C7gQm5wSuq6tlSow4zmesVaEjbLGBKnz
y7xgvylQwwZ4WPHP7IW1s6dsrRIL69STVWh2Sb9tdCj0+51PTThUva4Fexg0QjdXbZjNgldf09VXX22T/
kAcKKijnQph3S+rqmi80Y9Ro0aFkiBA9jTma+wv7/ujH9k+F8rSz4t2f0Cy6NmgwGk2i850Y0uYi3gFMh
UkjXIRHzc806EgmnbUh0XrnbLfb6LsgnialejgqRxt9FGG4XydZb33oU5BqazxRZb5PxvqGgsL5v0z4Y
6K6hQIKxYh8YfjUNlv9Zs5rJ67un5p6R/nK2//vp2fq2YUdgqin/oRzYxkGKmuF2XLI2y7sCgYzauuuq8/
3337tXUGoUv1Q3EhXyhE3PnPLuY/0i83mkead2ddPVFCnqxnP33XcXbdIfxAsAEv/IiZlkmvyFnfwPSyr
pH8cWeLk8gPJFk2EFY/W1AXGy66672up4nZcEhEmfKe2AYdwDkkfBO82IVJefN5rfaWw59NBDWcSX
wTO9tIXVbjxsCrqpNbu+viTQDu8gLuzjSol1dVal8zigWlcS1/koVmQwNi3aFzaU5FUq+a+jveL4rC4Vu
W7aUfjfR2yQ/C9dlStXNuecc455/PHHK9yhH1d61qiDi+afgKgTirrRqCAPxY14AUoZiX/kTOePqEouaD
uzQIEbp3vuuSeWSf+UOD2A1K5FZ10xGUZc1atXzy7Y4jbWZKIWoS1atHBXiBMda6J2YXXq1HGvAEgS
ze86duxoAzdxCkjqTqXnlc7TzhFfp7ppS1fneOypcSkEhrltfOMK60f1ZlztTkXkvmrVqmVOP/30WCeE4
1Ssr69BmxqStitM99UFF1xgW4Un+fOadCpkUcv+bMfd559/3hZw/PDDD+4VIBoVxunc7H79+tm5bh
Kok4/Gni233NK9gIL3559/mpEjR9qz2VH8iBeglJH4RyjUFI6LiLhUcmvg1EM87oviudA9H498sgjpkm
TJu4Vlj6qV69uxxoVG8U5ScjNmzc3Q4cOtcHkzTbbzL2KONBnR+d+qbqWIACQbjpLqUpeZ82p6DNq
Z511lg2OM6fKjGd6aUsloaLcta7PnbpPXHLJjbYYIWI0NnjcdzEFpXb/SszEme5/JY6ifMYoQPzwww/HeI
NDOjqLv3379ubFF180nTp1cq+i0DTuqu1/tp02nnrqKTtu//TTT+4VIBqNP7vvrvp379/7Dr3rCo1b9M
xFeo8AqR8/vnndvNHGEdGlhmlF6BUkfhHaFTJrYmfqj81yYqCgh5ayGgwT0rb5tQD6IUXXojkfdP3TIE
M2lwjKTTW6GzYYcOGxTJwpImkKjcHDx5sdwUq0FWKNLapJWDc6DOjz452GiYxyA/g3zTeqNhTRZ9R
PRc09vft29fuxlRCG8HwTC9tSkKpQ5vWb4VOXut7qzFD7f3jOF8JQmPfIYccYu66667Ejv+1g1TfAx21E
Gfq1BfVM0Ydqp555hmbNP3PMkUc9CGAz0v4xB8T9H39b777jPbbrute6V4qdOZjovl9ggLnZOugj2
1ykbpUhGkOoYqua45eFxoQ5U+n8zbUJGVK1ea33//3V2hVBAvQCniCYhQaSDde++97SRLk61C7mL
XglhBQ7XgzFTR6bNI2Xjjc16663nrJd75sqvZ577jm746EQgZtUBawm6/o3Akme2aXXXaxgSONN1E
VG61Kk0hN4saMGWOOPvrokk8qr7322ubGG280o0ePtuNz1PT9eeWVV+y5hPrsJD1wCuDflFBQQFo
B7ULNQfX3qOOVxhcFEZKaQlwSz/TSpnXbFVdcYddBhfjea52l9zbuWX2fkz4fUOJcn1EFMuOUPWh
AqDOnTvH/uxoPWNUMF+oOEcqQKydicXUoUrPST0vX3vtNfu8jrL9v76O4cOH9z6Qj9lrdOyHTPUN
U2JC5L/pU1JdSXX1cID8zc9U6OSmo9PmjTJ7qZl3gagPMQLUEpi/CMvNMnSZOvt9+2C+N8LeYUuNE
OgbFjx9rdOEEXaz7nkmlAltSgrKrZq6++2gYZtfspHwUAjRo1sgtbKmBRDHrvtmzZ0hb9KGijM+cKue
NjwZLrr7/evPXWW/ae0iSOReb/0fi3UnqwjJnzhw72S1kUFoTbLxvTX1/9t13XxsgB1C8UjvIFjTmJovB
b3mU9odOGXKFjuwov177niml65U8kdVu9Ypur/Cps+Sxgats7TeKqz7UvfvIFjPorIC7EW1vxMhaLjx
4+36/sw6f0l69+QinNMmDDBvtf5eMYodqlYisbBYg4Qb7DBBvaefPPNN22Bw0EHHeR+jb/0/l522WV
2rH/yySftxpVSXB+oi4U6rmQbq1PyX23/Sf4jNX8bOHCHgfcZqDC/U/C1VqDlr1iw7H2cXLYBmBegVFRa
smTJn+7nQN4sX77czJw507z66qt2l/knn3zifiU7WhTqbPzWrVtnNUAPGjTInHLKKe4qPZ07qCr7KHbF
L1y40FbCq4j23Lhx7IV/eo/0fh1++OH2fMBiDR4AovvmjTfesOONFp66DosCl0pk77PPPVzsxM033zy

WxTMaY8844wwzffp090r5NB4oKZ+v4qzyqLXa119/bQu2Ro4caV5//fVQz1fTebdt2rQxBx54oE3irLX
WWu5XAMSR5og333yznWsF0bVrV3PxxRe7q8yWLI1qxxvN/ZRUzIXGIMMOO8y0atXKNGjQgEKiAuC
ZXprUglVrx5deeskeI5fL913trFVE0rZtW1OzZk33avH6888/zZdffmkTMEqGZLvu1vrxhBNOMMccc4y
pV69eQe8NzRU//PBDe/7ps88+m/X3X/f4ySefbNfA2jGfj93cYT1jlCTTs0XvtxLRpVh0pM/u999/b9/PUa
NG2R9hrREOOOA AmyBUgRHrAyD/VBCiZPyIESPsvaxNAGHQs0lFBgcffLDZc8897ZFBpdKpAyhVxAv
yl84xZGSPxD8KToGcb775xrz33nt2Qf/uu+/aHfgzZsz418J0gThVgu+8885mp512sueR6Yebs3LRu3d
vc+2117qr9M477zzbBi3XvzNXehB99NFHZvbs2XYCrffwiy++NcEWg+Zrbba6u/3TA8aXbO4RSnSeK
MA0qeffmref/99M3fuXHvvKIA4bdo097v+j4ujRs3tve7gsNqA7XNNtvYYOHWW29t29EmYWGZpElb
6nv0+eef2zFOwWqNcwr66rq8gLWS+1r0b7LJmbHHXf8+9mg71PUYzUAP/leyK+q7Fzqq6++KnecSY
0xGhu33357O6fSz6tUqUJwMUKI+kwwdauuHXXv6seSJUv+tXZMfb+32GIL07BhQ7sG2mGHHWzxdq
+n1Pvnbrw6X7Re1fe+nHVMU/vm46gi8v6ccWKFFzr1r9BnwGN2eWN22XjBvo36L4vZMBVz7OPP/7Y
fp36oa+xvPFJ77PGI/3Q+60fYcQ4io2+999++62ZN2+efS8/+OCDCmMgwvoAiCcV9ei5/dInn9n524IFC
+zzKFUcULa4a9X5m8ZLzdi0T2+77bY20U/hLBaiBfkn/59JP6LD4l/IBxN0tXSTA+NIC688ELb9IPnVQ
NAEgSdtll2UGrSCgBRKORCHgAAAAAAJApxgvxTcYNiyOq4lg6J/2ShlyFKzq+//urVLIAVXCT9AQAAAAA
AAAAAAU AwWL16cMekv6qS23nrruSvEHYI/IBwl/tUeLii1hgOAJKlcuXLgyZha7QEAAAAAAAAASoeOUg
pCsWb9QDKQ+EfjWbRokfn666/dVWba8Q8ASaKkv845DWL+/PnuZwAAAAAAAACAUhA0Lqwc2Vpr
eWuEHck/IfyIPQP0r5EdtxxRxL/ABJHx5NstdVW7iq9Tz/91CxbtsxdAQAAAAAAAACK2fIlywN3xt5000
3Nmmuu6a4QdyT+UXJmz57tfaZEmfvq1d3VwCQDEr8By1a0pj47bffuisAAAAAAAQDFbuHChee
+999xVeptvjk7/hOExD9KypIIS8w777zjrjKrW7du4HOyASAuKIWqZMevIKZPn26mTZvmrgAAAAAAA
AAAxzett982b775prtKb/vtt3c/QxKQ+Edj+fLLL827777rrjLbeuut7c5ZAEiaOnXq2ONKghg1apRZvHix
uwIAAAAAAAAFCPFgYcNG+au0mvWrJmpXbu2u0IskPhHSZkxY4Z5//333VV6G264odl1113dFQAk4
4q0cQsiP79+5vhw4ebP//8070CAAAAAAAACgmiv8OHDjQxoOD2G233UyNGjXcFZKAxD9KhqqYxo
0b564ya9q0KZVMABJLx5Tsueee7iqzu+66y7z66qsk/wAAAAAAAACgyKxcudIMGTLE3Hbbe6VzFq0a
GHWWWcdd4UkqlRkyRli/Cgj48ePNyeeeKL573//615J77LLjPXXHONWWuttdwrAjAs8+fPN2effXbg8
5rU6eS6664zxx13nNlggw3cqwCQP8uXLzc33yz6dOnj3sIva5du5qLL77YXQHxpmPG9CwuFfxq1TO
bbrqpuwlAFLt58+aZRYsWuavitsYaa5iddtrJrL/++u4VILI+/vlnM3fuXPP777+7V4rbZpttxvnkCUW8IFx6
Zj/66KP2/Qyal2vTpo3p1auXqV69unsFSUDiHyVh6dKINpn15JNPulcyGzBggGndurW7AoDk+eOPP8y
DDz5orr32WvdKMNtt5059thjTatWreziSN0DACAfWMijmA0aNMiccsop7qr4jRkzxNzNAwCUhp49e5
obbrjBXRU3tTI+7LHH7FoZSLpPPvnEnHHGGWb69OnuleLGGjK5iBfkbtmyZbZQb+TlkTbpv3DhQvcr
wTz00EM2RlypUiX3CpKAVv8oCWPPhrWbt6AOPPBAs8suu7grAEim1Vdf3XTo0MHst99+7pVgtAjs1q
2b2XfffU3NmjVNISpVTLt27cw777zjfcAAAAAAAIE4Uv1UcV/FcxXUV31Vrf9+kv2LKLVu2J0mfQCT
+UfQWLfhgHn/88cDtS0TnYletWtVdAUBy1apV5x//vm2jX8ujk6caFasWOGuAAAAAAAABxovit4ri
5Uleb8847jxb/CUXiH0Xtl19+se1IdL5/UBrU1N5aO2UBoBioOvOaa65xVwAAAAAAAJM2j+konz3
22MO9gqQh8Y+i9fvvv5unnnrK9OrVy70SzCGHHGJ22GEHdwUAybfGGmuYU0891dx0003uFQAAA
AAAAAA/qKkf5cuXWyOjBb/yUXiH14+++wz89xzz9md9HGmpP+AAQPM7bf7I4Jrv9Dz/8cFO5cmX3
CgAUh3XWWce2/O/Zs2fObf8BAAAAAAAAMVBR1/fc8895owzzrCbyJBCjP7hZeXKleaxxx4zBx98sBk
8eLBZvny5+5X4+O2338yjjz5qrrjiCq9z/eWYY44x9evXd1cAUFxU1Ksd/xq/mzdv7I4FAAAAAAAAJSiT
p062XjxEUccQdK/CJD4R1ZmpxpTj75ZNOxY0czdOjQ2BQALFq0yHTt2tVcddV3kn//fbbzxx33HEM
bACKmto0NWnSxAwZMsT07dvXNGrUyP0KAAAAAAAIAKuAgNYv379zCOPPGJ22WUX2vsXiUpLliz
50/0cyOiTTz6xrT6mT5/uXvmLEkennHKKad++vW0JUmja5T98+HBz5513mjIz5rhXg1Pb6969e5sOHT
q4VwCgNOhoFBVzfzy7aQS+N8RcaMGWOaNm3qrgAgdyoefnmm02fPn3cK+mpwPPiyy92VwAA
AAAAoBgRL8jOtGnTTMuWLd3Vv+m4a+XxDj30UjvXYyNs8WHHP0KhpNFFF1kGjdubP87depUs2LF
Cver+aOE1RtvvGGLDtSBlJukv1xwwQWmXbt27goASocmd0rm33LLXZiqHH0hRdesJNltXdq1apVJAV
dAAAAAAAAB/iucqrqv4ruK8ivcq7qv4r+LAigeT9C9O7PiHI4p2/JcnVTI08MEHm4YNG5p1113X/Up
uVq5caRYSWGB3+D///PO26CAXhx9+uOnevupVq2aewUAAACFQAU/AAAAAAoi3gBkB12/CNvVC
Rw333mTzt2pgaNWqYjh07mh49epjRo0eb+fPnm6VLI5o//0xf6d1d/YsXLzazz882gwcPtgP3brvtZnb
eeWd7jn+uSX+d69+ISxeS/gAAAAAAAASi8Q/Cmbs2LG2Quuwww4zDRo0MFtssYU9W1+dAb
Tr/phjjvn7R/PmzU2VKIXMJptsYmrXrm322msv28r/iSeeSHv+tA8l/e+55x5Tp04d9woAAAAAAA
AAJA+jf0Ru4cKFZtSoUbZ1f+pHtmf1B9W2bVvbjYCKPwAAAAAAAICkl/GPknPKKaeYBx54wGyzz
TbuFQAAAAAAAABILhL/KBIVq1Y1999/v7nrrrvMpptu6l4FAAAAAAAAAGQj8Q8Vq622mljj
TXcVXJ06tTjvPTSS3a3f+XKld2rAAAAAAAABJB8JP7hRe3xn332WdOtWze7gz7u9t9/f/PKK6+Yxx9
/3DRo0MC9CgAAAAAAAADFg8Q/vFWvXt107tzZzJo1y/Tt29cm1+NGO/yHDx9uBg4caPbdd99E

dikAAAAAAAAAAAgCBI/CNrG2ywgU2wDx482MyePdt0797d7LXXXu5XC09/t76GOXPmmKeeesrs
vffeJPwBAAAAAAAAL1KS5Ys+dP9HMjZn3/+aX766Sz7rvvmsmTJ5vRo0ebadOmuv8NV/369c
0ee+xh9ttvP/vfatWqmUqVKrlfBQAAAAAAAAAIDSQOlfebdixQqzcOFC88UXX5iPPvro78KAX375xb
5eUWHAdttZ+rWrWtWW201+/PatWvb/2611VZm8803N+utt577nQAAAAAAAAAAABQukj8AwAAA
AAAAAAAAACQYjzxDwAAAAAAAAAAABAgpH4BwAAAAAAAAAAAgwUj8AwAAAAAAAAACQY
CT+AQAAAAAAAAABIMBL/AAAAAAAAAAkGII/AAAAAAAAAAASjMQ/AAAAAAAAAA
AAAAJRulfAAAAAAAAAAIAEI/EPAAAAAAAAEECCfgHAAAAAAAAACDBSPwDAAAAAA
AAAAAAJBgJP4BAAAAAAAAAAEgwEv8AAAAAAAAACQYiX8AAAAAAAAABKMx8
AAAAAAAAAAIG4h8AAAAAAAAAAgAQj8Q8AAAAAAAAAQIKR+AcAAAAAAAAAAI
MFI/AMAAAAAAkGAK/gEAAAAAAAAASDAS/wAAAAAAAAAAJBiJfwAAAAAAAA
AAAAEozEPwAAAAAAAAACUbiHwAAAAAAAAACABCpxDwAAAAAAAAABAgpH4BwA
AAAAAAAAAAAgwUj8AwAAAAAAAAACQYCT+AQAAAAAAAAABIMBL/AAAAAAAAAA
kljh/D/WYDk90/eJhAAAAAEIFTkSuQmCC

base64转文件

立即入金交易 轻松兑换苹果无线耳机

注册 >

输入内容

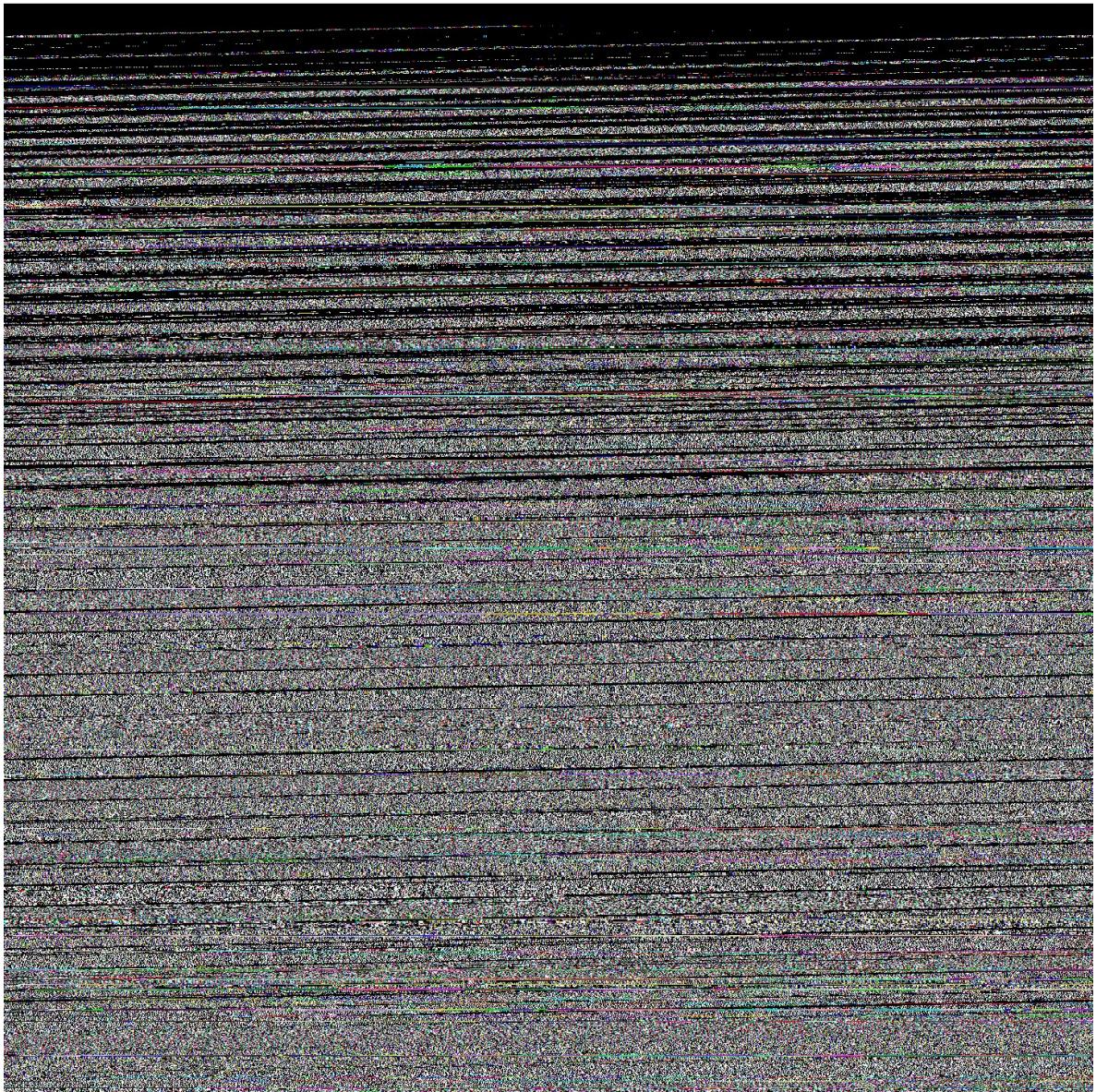
YxLxaax2813pmnPeg92bnZbeek1d7jnUSx+o2h+8sS+gAAAAAAAAAAAAS8Q/Cmbz3Lc23uwmw14o2oGMf7eYu0W11+d5b7iphjw70/Phd2/K03Mg0Ymkm322mew28/18ee9hv+HAb/
e+5515Tp04d2roAaaaaaaaA+J+1s2u4cKF7S1u211pemtfB912bVvYCKphAAaaaaaaaAaCk0GPvKpKaeyBd54vqyzt7buQ/QAAAAAAAAB8LNLjKBvq1Y199/
v7mrnvlppt6u14FAaaaaaaaAgQqjQ8qv622nJlTxVXU08T1vTSS3a3fXK02rAAAAAAAAB8Jp7RrEx3n332Wd0WVbz7g2u09fP9Kd+Yx0/3Dr0xMCpCgaaaaaaaaaADFgQqFvFWx1107tz2J01y/
T129cm1+NG0n/H0dx9BgcaLpb99EdtAAAAAAAAGAgCpB1CNjG2ywgJ2w0x482neyPdt0797d7LXXuXuXc09/
T76GOXPmmKeersvfrPwAAAAAAAAAAAP_1TKS5Ys+dpPHtm7znv7x766527rvmsmTJ5vRo0ebadOmuv8NV/369c0ee+x9t9tP/
vtatVqmUqjKrfIBAAAAAAAIDSOQlefdixQqzcOFC88UXX5iPPvro78KAX375b6cUWAdlt2rVWVW201+/PatWvb/
2p90/13pmnPeg92bnZbeek1d7jnUSx+o2h+8sS+gAAAAAAAAAAAS8Q/Cmbz3Lc23uwmw14o2oGMf7eYu0W11+d5b7iphjw70/Phd2/K03Mg0Ymkm322mew28/18ee9hv+HAb/
AAAAAAAAB8LNLjKBvq1Y199/
EP4AAAAAAAACEC01ghAAAAAAAACD897wGAAAAAAAAB8Jp7RrEx3n332Wd0WVbz7g2u09fP9Kd+Yx0/3Dr0xMCpCgaaaaaaaaaADFgQqFvFWx1107tz2J01y/
AAAAAAAAB8LNLjKBvq1Y199/
wAAAAAAAABAgwUj8AwAAAAAAAAACUbiHwAAAAAAAAACABCpxDwAAAAAAAAABAgpH4BwAAAAAAAAAAgUj8AwAAAAAAAAACQYCT+AQAAAAAAAAABIMBL/AAAAAAAAB8LNLjKBvq1Y199/
AAAAAAAABAgwUj8AwAAAAAAAAACQYCT+AQAAAAAAAAABIMBL/AAAAAAAAB8LNLjKBvq1Y199/

图片类型: png

类型: png, 文件大小: 32.07 KiB

hgame{s1mple_attack_for_zip}

希儿希儿希尔



crc32错误

先修复一下



binwalk txt 得到CVOCRJGMKLDJGBQIUVXHEYLPNWR

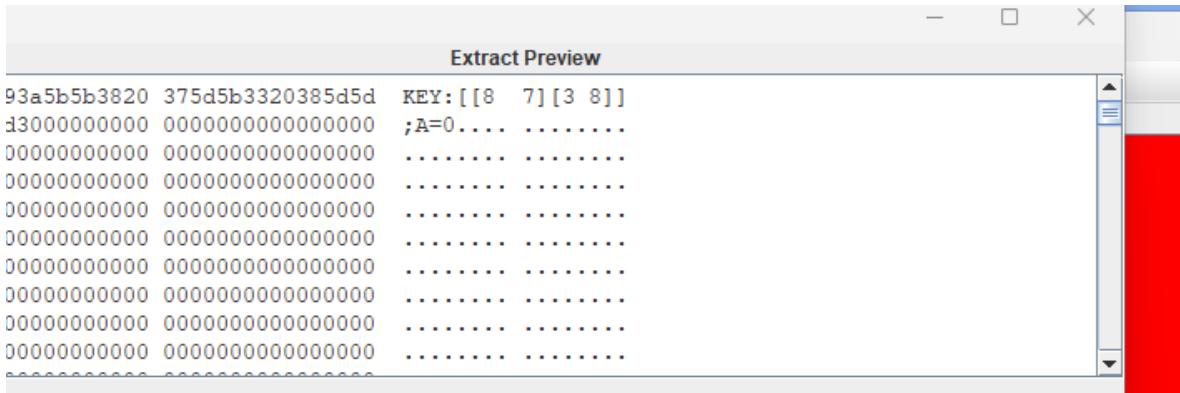
搜索希尔密码，找到后发现

需要密钥解密

在此基础上进一步分析隐写

r, g, b, 0通道异常

提取出来



解密即可

DISAPPEARINTHESEAOFBUTTERFLY

flag串包装

签到

关注“凌武科技”微信公众号，发送“HGAME2024”获得 Flag！

Crypto

ezrsa

$\text{leak1} = p \wedge q \bmod n$, 根据费马小定理, $\text{leak1} = p \bmod n = p \bmod p * q$

所以 $\text{leak1} = p$, 同理 $\text{leak2} = q$

p=14912717007361127196818257675129033155901844180572531042609541283758922767075
7540743929865853650399839102838431507200744724939659463200158012469676979987696
419050900842798225665861812311136328924387427242029164160602665815901690638676
88299288985734104127632232175657352697898383441323477450658179727728908669

q=11612299271467091538130991696749043648902000117288064416717991546702179489292
7977272080596641785569119134259037522388335198043152206150259103485574558816424
7402047362155519334825839419599946253565812010545345293957817443386310214237031
71146456663432955843598548122593308782245220792018716508538497402576709461

n=17317093284017452290603143544809904972938978240611156127716199028423679080737
9170596698796310881769632619329441513836140813072832351229390367432269074523354
9000960990750176685814471343917868380049216563617437616777653068833632656329760
9475083811941521595543714271167619216736917078438537562021385234164071284243465
123403795971700950952431225439420305754968931424722145547901944570365092754880
3585514493791068582833212743814894451080630485471078231998161143030087669823845
3944378075767674529216525157481671261744279934009701974008536617497555439048205
578328999528312717735243106525249322569580425456571443610617217409

m=1731709328401745229060314354480990497293897824061115612771619902842367908073
7917059669879631088176963261932944151383614081307283235122939036743226907452335
4900096099075017668581447134391786838004921656361743761677765306883363265632976
0947508381194152159554371427116761921673691707843853756202138523416407128397821
4960615513784351458458712444671372267311990325470128939226485583434472823757472
0253926495019417275912346584085598645878234931853603652040263598914967555389828
1688602791661922877492541689923265131796554248819785996308831542700998457960245
9929161939557081937436992445045105718336238231497374766480311599280

e=65537

c=10529481867532520034258056773864074017027019578041866245400647840230251661652
9997097159196208109334371916611800032959232736556757295885588995925242356227288
1606550191807612081223658034499114098099153234799125270528863301491347997061005
6845543523591324177567061948922552275235486615514913932125436543991642607028689
7626936173052467164927831168130703555126069716266455949618505675863403897058213
148420964656318868122812898431322581318097737977704935878918221257060625250979
0830994263132020094153646296793522975632191912463919898988349282284972919932761
952603379733234575351624039162440021940592552768579639977713099971

c=pow(m,65537,n)

标准的RSA加密

解密一下就行

The screenshot shows a software interface for RSA encryption/decryption. The top menu bar includes 'File', 'Edit', 'Format', 'Help', and 'About'. The main window has tabs for 'RSA', 'DES', '3DES', 'AES/Rijndael', 'Blowfish', 'Twofish', 'TEA', 'Skipjack', 'Camellia', 'Base64', 'CRC32/Adler32', 'CAST', 'GOST', and 'MD'. The 'RSA' tab is selected.

Form fields include:

- 进制 (Base): 10 (dropdown menu with options 10, 16, 8, 2)
- 指数 (E): 65537
- 模数 (N): 4391786838004921656361743761677765306883363265632976094750838119415215955437142711676192167
3691707843853756202138523416407128424346512340379597170095095243122543942030575496893142472
2214554790194457036509275488035855144937910685828332127438148944510806304854710782319981611
4303008766982384539443780757676745292165251574816712617442799340097019740085366174975554390
48205578328999528312717735243106525249322569580425456571443610617217409
- 私钥 (D): 8530760748518129823192664611731065143118866610148327956626725507785561476844498019429280771
3602544325688711620213440853448655876881557938294618013484385215636075043725658566793496678
4632170219511837200767575563133318239419339685633124340530131285502604190252878736684931912
0658763567888220679347563652215697860736735298958028523511752421455787233926152577845295908
48337431155736023634545389841310923483733199131730916140330217758068353
- 明文 (M): hgame{F3rmat_little_the0rem_is_th3_bas1s}
- 密文 (C): 3449911409809915323479912527052886330149134799706100568455435235913241775670619489225522752
354866155149139321254365439916426070266897626936173052467164927831168130703551260697162664
559496185056758634038970582131484209646563188681228128984313225813180977379777049358789182
2125706062525097908309942631320200941536462967935229756321919124639198989883492822849729199
32761952603379733234575351624039162440021940592552768579639977713099971
- 按钮: 加密(E)、解密(D)、加密: $c = (m^e) \bmod n$ 、解密: $m = (c^d) \bmod n$

底部状态栏显示: 当前位置: RSA | 本工具加/解密模式: ECB | 大写输出[全局] | 十六进制块(Block)加密 | 自动更新