**Assignment: 4(SDES)** 

**Subject: Cryptography and Network Security** 

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Question2: Make a brute force program that uses every possible key to force the encryption. Decrypt the following message and give the encryption key aswell. The plaintext can be assumed to be written text containing characters and white spaces only. The ciphertext, split over two lines, is presented as a hexadecimal string.

### 15629177698EF862D42F77E8F862B7F8E87706CB8EC72F5A 62C75A6215CBCB0DC7F8B762447706CB8E2FA9779DCB4C06

#### **Solution:**

From the below output analysis we found that the **"KEY: 1010000010"** is the required key for the decryption of the above output.

Text after decryption and the key is highlighted in the below output with red color.

**KEY** : "1010000010"

PLAINTEXT: "A brute force decryption in Applied Cryptography"

#### **Bruteforce Decryption Outputs:**

Kev:0000000000

plaintext:

Key:000000001 plaintext:

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Key:000000010

plaintext:

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Key:000000011

plaintext:

cU@�W0GUDq��GU#G��,�0QqbUQbUc��NQG#UA�,�0qe��,

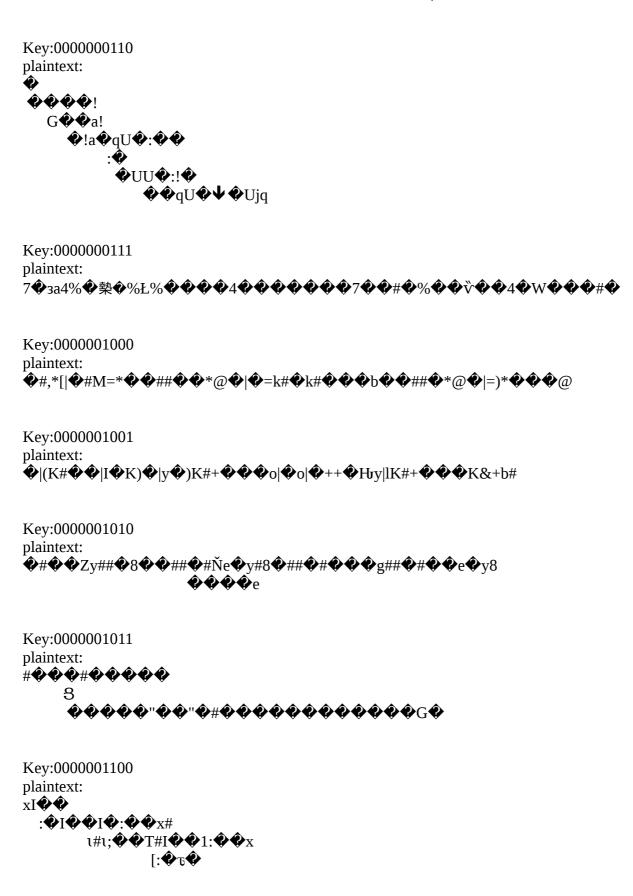
Key:000000100

plaintext:

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Key:000000101

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Key:000001101 plaintext:



plaintext:

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Key:000001111

plaintext:

WEP�.E��(�E#�(�<#��)`E�`Ew##��#EQ�<#��#�]#c<

Key:0000010000

plaintext:

Key:0000010001

plaintext:

**♦**z8i#W**\$**zY**\$**i9**\$**z[**\$**9i#W**\$\$**z**\$**z**\$** 

Key:0000010010

plaintext:

Key:0000010011

plaintext:

Key:0000010100

plaintext:

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Key:0000010101

plaintext:

Key:0000010110

plaintext:

Key:0000010111

plaintext:

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Key:0000011100

Key:0000011101
plaintext:

♠X♠KF!♠Xm♠K♠♠Xy♠♠K#♠!♠♠|X♠|X♠♠

♠VX♠K#♠!♠tK4♠#

Key:0000011110
plaintext:
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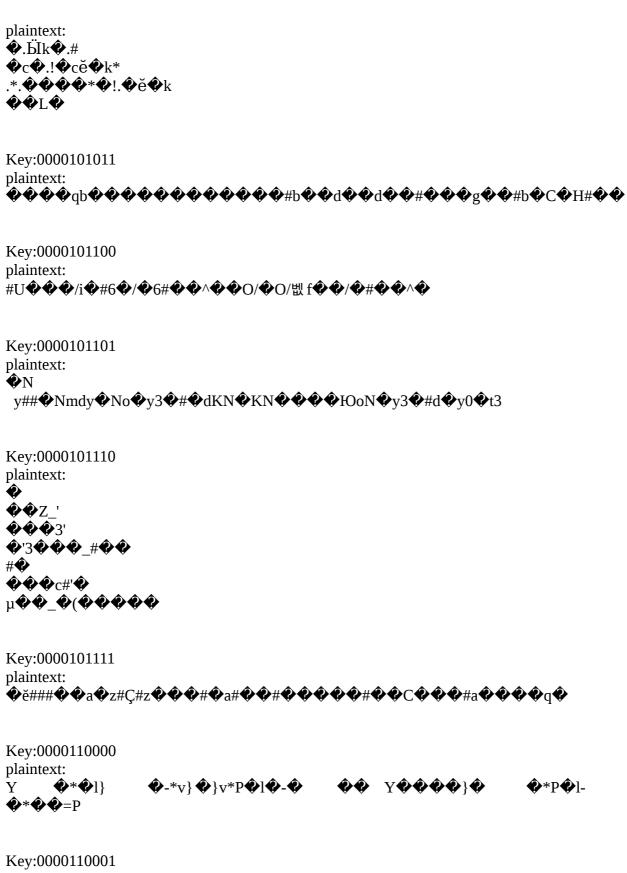
Key:0000100000
plaintext:

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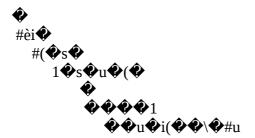
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Key:0000100010
plaintext:
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Key:0000100011
plaintext:
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Key:0000100100
plaintext:
Key:0000100101
plaintext:
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Key:0000100110
plaintext:
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Key:0000100111
plaintext:
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Key:0000101000
plaintext:
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plaintext:
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Key:0000110010 plaintext:



plaintext:



Key:0000110100

plaintext:



Key:0000110101

plaintext:



Key:0000110110

plaintext:



Key:0000110111

plaintext:



Key:0000111000

plaintext:

Key:0000111001



plaintext:

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Key:0000111011

plaintext:

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Key:0000111100

plaintext:

Key:0000111101

plaintext:

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Key:0000111110

plaintext:

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Key:0000111111

plaintext:

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Key:0001000000

plaintext:

Kev:0001000001

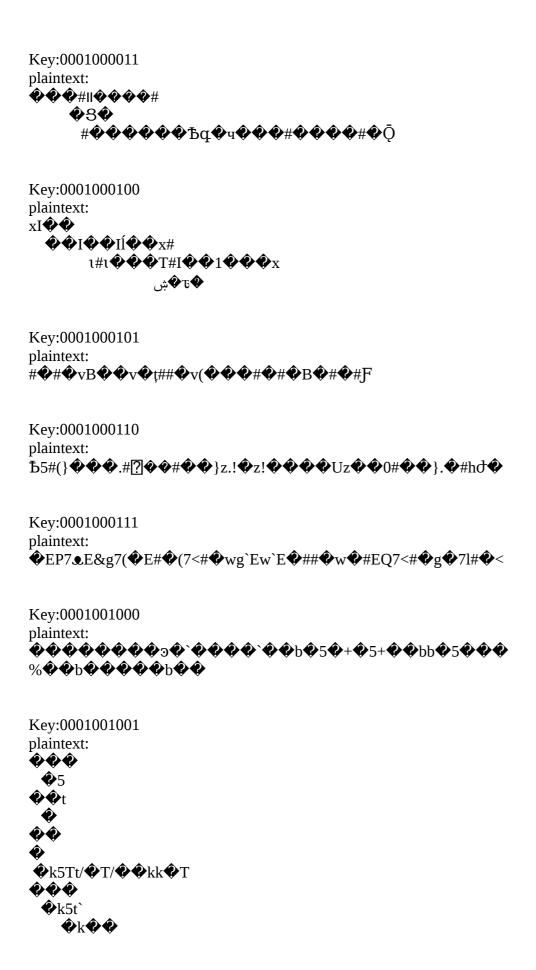
plaintext:

 $\widehat{\diamondsuit}|(KJ||I \widehat{\diamondsuit}K)J|yJ)K\#+ \widehat{\diamondsuit} \widehat{\diamondsuit} \widehat{\diamondsuit} o|\widehat{\diamondsuit} o|\widehat{\diamondsuit} ++\widehat{\diamondsuit} \widehat{\diamondsuit} Jy|lK\#+\widehat{\diamondsuit} \widehat{\diamondsuit} \widehat{\diamondsuit} K \widehat{\diamondsuit} + \widehat{\diamondsuit} \#$ 

Key:0001000010

plaintext:

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Key:0001001010 plaintext: □!���%�E��5�E�g���#��#��gg 痩5��g����g�� Key:0001001011 plaintext: **\$**U@#**\$**0**\$**UDq#**\$\$**U#**\$\$**#,N0QqbUQbU**\$**NN**\$**Q**\$**#UA#,N0qe#**\$**N**\$**, Key:0001001100 plaintext: **�**)#**����**)**�**K**�**D**��**D**�**pT**��**KI)**�**I)**�**TT**��**)**��**pT**�**K**��**eT**�**p Key:0001001101 plaintext: �H8[d1�H�B[��Hi��[#�1vBMHvMH�#v�iH|[#�1B�[\$��# Key:0001001110 plaintext: **\***#**\*\***! �n#a! **�**!a#qU**�**:n**�** :� #UU**�**:!**� \***#qU**\***n**\***#**\***U**\***q Key:0001001111 plaintext: **^**���7a4%��g7�%Ł%�7��4wg��w�ŷ��#w%���7��4g�7��� Key:0001010000 plaintext: **�**[���][��p�[��p�BD�#;[#;[�DD�#��[5�BD����D�B Key:0001010001 plaintext: ◆◆◆◆◆◆##◆◆v◆◆#◆##◆◆◆◆◆#Vv?◆V?◆◆◆◆◆V##◆◆◆◆◆#vp 鶉◆◆ Key:0001010010 plaintext: �~1%��~5Z%U�~#�U%GE�zZ3~z3~�EE�z�#~#%GE�Z�%�E�G

Key:0001010011

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Key:0001010100

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Key:0001010110

plaintext:

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Key:0001011100

plaintext:

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plaintext:

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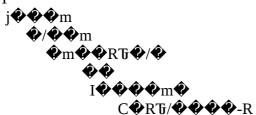
plaintext:

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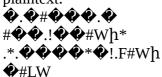
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Key:0001100010

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## Key:0001100101 plaintext: ŶŶ $y \diamondsuit \#n \diamondsuit m dy \diamondsuit n \diamondsuit on \diamondsuit y 3 \{ \# \diamondsuit dK \diamondsuit \diamondsuit K \diamondsuit \diamondsuit \{ \{ \diamondsuit \diamondsuit no \diamondsuit y 3 \{ \# d \diamondsuit y 0 \} t 3 \} \} \}$ Key:0001100110 plaintext: **���**� \*\*\* #**��**\$Sw**�**#**�**' #ww**�**#**�**#

Key:0001100111

plaintext:

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Key:0001101000

plaintext:

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Key:0001101001

plaintext:



Key:0001101010

plaintext:

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Key:0001101011

plaintext:

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Key:0001101100

plaintext:

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Key:0001101101



plaintext:

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Key:0001101111

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plaintext:

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Key:0001110100

plaintext:

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Key:0001110101

plaintext:



Key:0001110110

plaintext:

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Key:0001110111 plaintext: **♦**STq¡SP**♦♦\$**S#**♦** .**�**E**�**VSEVS**�**.E**�**#S**�** . \$ \$ \$ \$ \$ Key:0001111000 plaintext: **z��**l} **?**}**??**Prl**?**-Y Key:0001111001 plaintext: ]l~d�#l���#l�#�#;���+l�+l];;=�#�l:#;����;�# Key:0001111010 plaintext: **( \$**#**\$**i**\$ (#(\*** 1**��**#uw(' **?**ww**?**1 V#uwi(�#\w#u Key:0001111011 plaintext: Key:0001111100 plaintext: **?**# #**�**�?y� **��**?**��**� FbY • \_ ? • bbD • • ?! FbN� 3b**�**F

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Key:0001111110



plaintext:

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Key:0010000001

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Key:0010000010

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Key:0010000011

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Key:0010000101

plaintext:

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Key:0010000110



plaintext:

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Key:0010010010

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Key:0010010110

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Key:0010010111

plaintext:

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Key:0010011001

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plaintext:
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Key:0010011100
plaintext:
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Key:0010011101
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Key:0010011110
 plaintext:
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Key:0010011111
plaintext:
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Key:0010100010
plaintext:
Key:0010100011
plaintext:
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Key:0010100110
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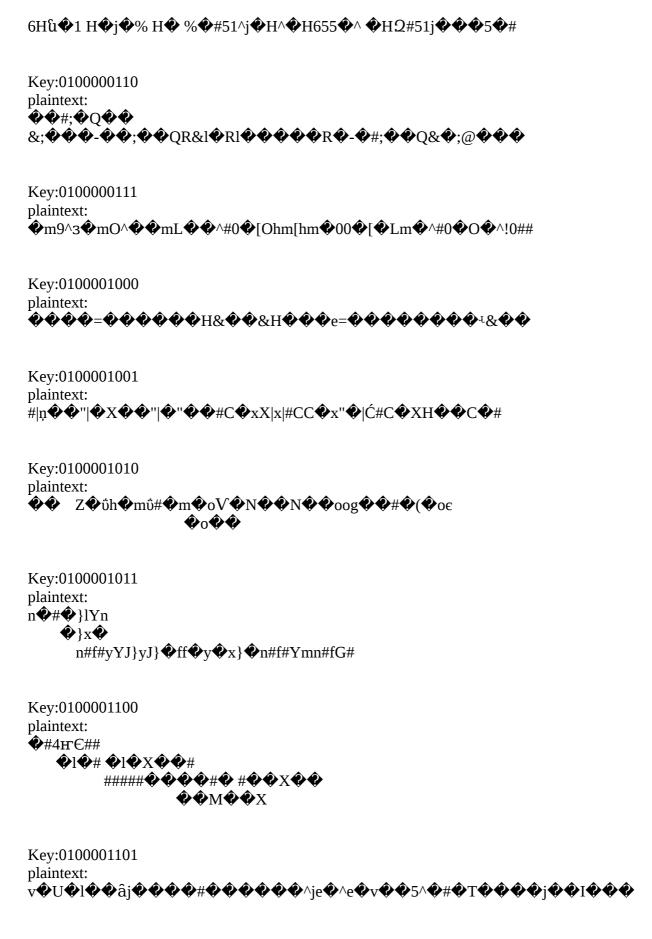
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Key:0110001111

plaintext:

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Key:0110100000

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Key:0110111111

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Key:0111000011

plaintext:

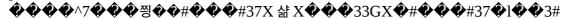
H�k>�8)�υ>�)��)�>��8β��j�H���)�>�8�

Key:0111000100

plaintext:

#潔�V�維�L��#�L��RV��"�#RR.��#� ��RV���RG�

plaintext:



Key:0111000110

plaintext:

-**\$**WL[] =iL**\$**\$Li=**\$**\$W**\$** i[]i**\$**\$\$\$ÔL**\$**\$,=**\$**\$W=**\$**\$\$b**\$** 

Key:0111000111

plaintext:

Key:0111001000

plaintext:

Key:0111001001

plaintext:

Key:0111001010

plaintext:

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Key:0111001011

plaintext:

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Key:0111001100

plaintext:

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Key:0111001101

plaintext:

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Key:0111001110

plaintext:

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Key:0111001111

plaintext:



plaintext:

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Key:0111010001

plaintext:

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Key:0111010010

plaintext:

**\$**#9

Key:0111010011

plaintext:

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Key:0111010100

plaintext:

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Key:0111010101

plaintext:

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Key:0111010110

plaintext:

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Key:0111010111

plaintext:

H**�**₀�

**K��**ydb**K�**:**K����** 

**\$**v#**\$\$**#**\$**H**\$\$\$\$**K:**\$\$\$** 

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Kev:0111011000

plaintext:

Key:0111011001 plaintext: Key:0111011010 plaintext: \& \P\$\P\$x&\P\$q;x&\P\$x;\P\$\P\$M\P\$"\P\$H&"H&\MM\P"x\P\$&\P\$\P\$M\P\$\P\$\P\$ Key:0111011011 plaintext: Key:0111011100 plaintext: A���F���\��\��\��BF��2�\\$2�\ABB>��#�^\\$BF��\\$\}BW� Key:0111011101 plaintext: �àN'������#��#'H���HWH�#�#'�|�y## Key:0111011110 plaintext: ��-�G��|0-v��3v-��G�0zzz����K�����G0#-��r� Key:0111011111 plaintext: t/HOJ **♦**X**♦**H8 **%**7. 8H#&JM�^�M^�&&rM z��H#&J�vH�&�# Key:0111100000 plaintext: a\$\$V\$à{\$h\$\$2\$h\$\$DV\${\$Õ\$\$DD\*\$\$2\$-\$\$DV{\$\$Dc\$

Key:0111100010 plaintext:



plaintext:

**\Pi\_ZO\Delta\Delt** 

Key:0111100100

plaintext:

Key:0111100101

plaintext:

0.00

Key:0111100110

plaintext:

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Key:0111100111

plaintext:

Key:0111101000

plaintext:

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Key:0111101001

plaintext:

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Key:0111101010

plaintext:

Key:0111101011

plaintext:

Key:0111101100

plaintext:



plaintext:

Key:0111101110

plaintext:

Key:0111101111

plaintext:

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Key:0111110000

plaintext:

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Key:0111110001

plaintext:

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Key:0111110010

plaintext:

Key:0111110011

plaintext:

Key:0111110100

plaintext:

��#"�`4��{"H4��4H"�d`�{��淚�dd��4���"�d`{�"�dG�

Key:0111110101

plaintext:

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Key:0111110110

plaintext:

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## 

Key:0111110111

plaintext:

Key:0111111000

plaintext:

#Ÿ"�P�Ÿ�"x��4�x"�BP��#J#�#BB:��4�="�BP��"�Bs�

Key:0111111001

plaintext:

Key:0111111010

plaintext:

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Key:0111111011

plaintext:

Key:0111111100

plaintext:

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Key:0111111101

plaintext:

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Key:0111111110

plaintext:

Key:0111111111

plaintext:

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Key:1000000000

plaintext:

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Key:100000001
plaintext:
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Key:100000010
plaintext:
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Key:100000011
plaintext:
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Key:1000000100
plaintext:
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Key:1000000101
plaintext:
*
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����#\�:�
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Key:1000000110
plaintext:
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Key:1000000111
plaintext:
Key:1000001000
plaintext:
*\���|�\��6�\���\��\��\��\*��\*���\��\��\��\��\��\
Key:1000001001
plaintext:
���\o��o�8oī\#�"�#"���#o8��ōī\���k���
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Key:1000001010 plaintext: **�**0�Bs#�0�}BE�0t�EBM"#]}�0]�0�"" ]�t0eBM"#}AB�"M Key:1000001011 plaintext: @J#9Ja�IC�y�#y#�CCyJ9#ċIC��e�NC فِ#\$ Key:1000001100 plaintext: **\PhiL#{\Phix#L\Phif{\Phi#Lm#\Phi}1\Phix\PhifIL\PhiIL\Phi\Phi\Phi\Phi#mL]**{1\Phixf\Phi\{\Phi\Phi1} Key:1000001101 plaintext: w-P#**�**\**�**-B#**�**�-**\$**\$#**\$**\$\**\$**B**\$**-**\$**\$\$-w**\$**\$\$0**\$**\$ -}#��\B�#��� Key:1000001110 plaintext: #d��e#!d���a!d !a�]##{�ld{ld###|{! d1�]##�w�%#\*] Key:1000001111 plaintext: v@U#a��@��#e�@)�e#}��[��@[�@v��X[�)@�#}��W#��.} Key:1000010000 plaintext: :**�**�?��r����?����Rr��R��:���R������r#��� Key:1000010001 plaintext: Key:1000010010 plaintext: **\$**#\$\dc6\$#\$\$\d\\$#R\$\Udo#6\$\\$\\$#\$###R#udo#6\$\Qd\$##o

Key:1000010011

## plaintext: �##)GWZ##�)qZ#�Zq)K�W�##�##�#�Z�#�)K�W�u)^�#K Key:1000010100 plaintext: �\{k�h#\�vk�#\}#�k!�h�vY\�Y\���#}\?k!�hv�k#�! Key:1000010101 plaintext: **҈**Ф=��L�=�R��=#����L�R�=��=���пդ�#=;��LR��g� Kev:1000010110 plaintext: #t��g1t���c1t01c�M#k�|tk|t###>k10t��M#�u�5#hM Key:1000010111 plaintext: �₽� G��PA� C**Ŷ**P9**Ŷ**C m��K��PK�P���:K�9P� m���q **��**Lm Key:1000011000 plaintext: $^{\bullet}$ ~#MJ $^{\circ}$ 6~ $^{\bullet}$ M} $^{\circ}$ 6~ 6}M- $^{\bullet}$ $^{\bullet}$ 6~ $^{\bullet}$ 6~ $^{\bullet}$ 7.7 $^{\bullet}$ 6 ~]M- $^{\bullet}$ $^{\bullet}$ M2-v Key:1000011001 plaintext: s#P(/Z�#��(��#>��(b Z���#��#s $v \diamondsuit \diamondsuit > \#Y(b \ Z \diamondsuit)(\diamondsuit)$ #b Key:1000011010 plaintext: #��\$��3��\$#3��3#\$�D� ^� ^�#DD� 3\X5\$�D�#\$7D�� Key:1000011011 plaintext: V�U)�� ;Q#)1 1�# ;)���[#��[��V���[�#��)��#5)���

 $\begin{tabular}{ll} Key: 1000011100 \\ plaintext: \\ \diamondsuit \label{eq:controller} \begin{tabular}{ll} & \label{eq:controller} & \l$ 

Key:1000011101 plaintext: **��**2**�**+L#**��**Pj#**�**##j**��** T'���'��� R'##���� L**Ŷ**Y**Ŷ**# �� Key:1000011110 plaintext: U4VB�@q4�[B�q4pq�BMD@�[�4��4UDD��qp4WBMD@[5BuD�M Key:1000011111 plaintext: Key:1000100000 plaintext: �n���N`nC���`n�`��#=N���nn�==��`�n��#=N���d=# Key:1000100001 plaintext: ◆#��J)����)()ゎr#J�����## �)(��r#J 櫚-#�r Key:1000100010 plaintext: a BVU PE FoVcE DEcV TOOO PO ATTLOED CV TOOGVATH Kev:1000100011 plaintext: **��**#**�**q**� �**'**�**G G���K��K�� Key:1000100100 plaintext: �J-YZ�"J��Y#"Jk"#Y#���OJ�OJ��#�"kJ�Y#�-�Y#�P# Key:1000100101 plaintext:

G+D8;**\$**\$+**\$**\$8z**\$**+

+**\$**8r**\$\$**I8 **\$**r

**\$**z8r**\$\$**U**\$\$**+U**\$**+G**\$\$**BU**\$** 

plaintext:

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Key:1000100111

plaintext:

Key:1000101000

plaintext:

Key:1000101001

plaintext:

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Key:1000101010

plaintext:

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Key:1000101011

plaintext:

Key:1000101100

plaintext:

Key:1000101101

plaintext:

0#8\$zK\$\$\$8K\$\$K\$\$K\$8\$;z#\$#\$##\$\$;;\$#K\$\$+8\$;z\$\$8#;\$\$

Key:1000101110

plaintext:

�#�tw��#�Mts�#F�st��YM�#Y�#���.Y�F#�t��MetU�x

Key:1000101111

plaintext:

**%**#9W**\**n&,9Sn&**\**nS9\_**\**\**\**\\\\\$y,#&y#&**\**\\\\\\\$\*yn**\**\\\\\\$\\\\$9\_**\**\\\\\\\

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Key:1000110000
plaintext:
ŶL k�l0Lκk;0LY0;ku�l��OL�OL��HE0YL#ku�l�Zk4�pu
Key:1000110001
plaintext:
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Key:1000110010
plaintext:
1 ��# �m��# ##��]2MmN MN 122�M## ��]2m��#2�]
Key:1000110011
plaintext:
Key:1000110100
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         $$@$$M$$
            N�u�
              ŶŶ
Key:1000110101
plaintext:
Key:1000110110
plaintext:
*#*$du*$A#*$]dqA#VAqdo*$I]*#I*#***$$lIAV#!do**$]gd*$:o
Key:1000110111
plaintext:
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    6♠
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## **�**6**�**)O**��**<G)z**�**>O

Key:1000111000

plaintext:

Key:1000111001

plaintext:

**♦**-#**♦**\$L9-**♦♦**\$9-89 **♦**;LA**♦**#-A#-**♦**;;0A98-**♦♦**\$;L **今**=;**♦** 

Key:1000111010

plaintext:

q`RFE@U`VmFsU`TUsF]�@Mm�`M�`q��\MUT`SF]�@mwFQ�X]

Key:1000111011

plaintext:

**\\$**@3\\$a\#@\W#@##\\\$Y\\$\\$#@i#@\\$\\$Xi##@#\\$Y\\$S\\$#\\Y

Key:1000111100

plaintext:

Key:1000111101

plaintext:

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Key:1000111110

plaintext:

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Key:1000111111

plaintext:

r�Q)1&U�)5?�5)�GCi���i��rGG�i�?��)�GC��)�G��

Key:1001000000

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plaintext:

**\$**0#Bs#**\$**0**\$**Bt0t**\$\$**B**\$**"#**\$\$\$**\$0**\$**\$0\$""

Ľt0�B�"#��B�"�

Key:1001000011

plaintext:

è

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plaintext:

Key:1001000101

plaintext:

W-**\$**#**\$\$**\$-B#(**\$**-**\$\$**(#TYB -**\$**-WYY**\$\$\$\$**\$-**\$**#TY**\$**B**\$**#**\$**Y**\$**T

Key:1001000110

plaintext:

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Key:1001000111

plaintext:

v��#�q���#����#�uq[�%�[%�vuu�[���#�uq�W#�u.�

Key:1001001000

plaintext:

**\Phi**\Phi\OZ\Phi\&\Phi\TO\Phi\&\Phi\]\Phi\O%\Phi\TLO"/f%

Key:1001001001

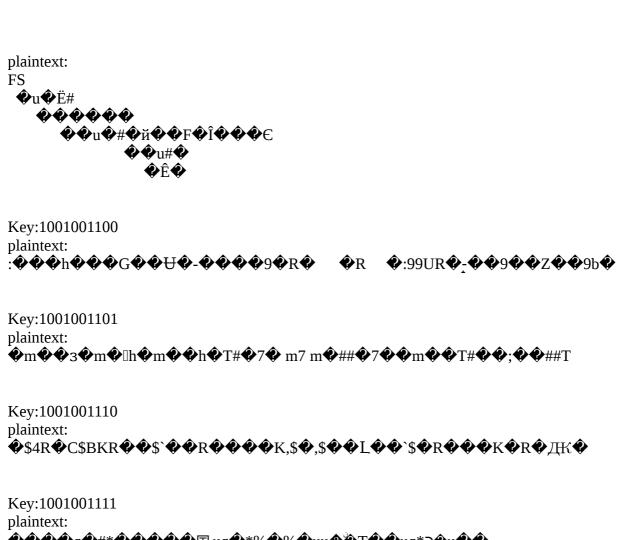
plaintext:

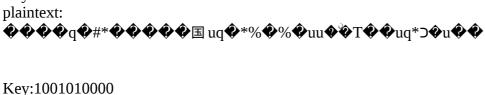
C=  $\bullet$ .?  $\bullet$   $\bullet$  =,t,L  $\bullet$  =  $\bullet$   $\bullet$  L,D+ $\bullet$   $\bullet$  t $\bullet$  =  $\bullet$ =C++f  $\bullet$   $\bullet$   $\bullet$  =  $\bullet$ .D+ $\bullet$  t $\bullet$ . $\bullet$ +D

Key:1001001010

plaintext:

Key:1001001011









Key:1001010010
plaintext:
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Key:1001010100 plaintext:



plaintext:

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**�**'**�**0}'0}**�** 

R'  $\diamondsuit$   $\diamondsuit$   $\diamondsuit$  D

**���**aD

Key:1001010110

plaintext:

Key:1001010111

plaintext:

Key:1001011000

plaintext:

Key:1001011001

plaintext:

□◆ ◆◆v◆#◆◆#◆◆I◆3v2◆32◆◆II◆3◆◆◆◆◆I◆v◆◆{I◆v

Key:1001011010

plaintext:

**\$\psi \##\dc6\psi \##\Price d6\psi R\phi \Price d0\psi 6\phi \Price \Pr** 

Key:1001011011

plaintext:

**\$#\$**\$GWZ#**\$**\$\$Z#**\$**Z**\$**\$KaW**\$##\$##\$aa#\$**Z**\$#T\$**KaW**\$\$**\$^A#K

Key:1001011100

plaintext:

 $X \diamondsuit \{k \diamondsuit \boxtimes \diamondsuit \lor k \diamondsuit \diamondsuit \diamondsuit \} \diamondsuit \diamondsuit k! i \diamondsuit \diamondsuit \lor Y \diamondsuit \diamondsuit Y \diamondsuit X ii \diamondsuit 0\} \diamondsuit ? k! i \diamondsuit \lor 8 k \diamondsuit i \diamondsuit !$ 

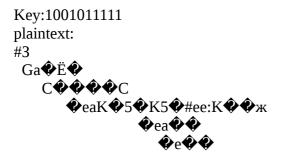
Kev:1001011101

plaintext:

#=����=,R��=���D[R0=�0=#IIn]��=;DI�R��I�D

Key:1001011110

plaintext:



$$\begin{split} & \text{Key:} 1001100000 \\ & \text{plaintext:} \\ & \textbf{l} \bullet O\{x \Pi \bullet \bullet b\{+ \bullet \bullet I \bullet + \{ \bullet \} \bullet Bbm \bullet Bm \bullet l\}\} AB \bullet I \bullet \\ & \{ \bullet \} \bullet bJ\{ \bullet \} \bullet \bullet \end{split}$$

Key:1001100001
plaintext:

♦ ♦ ♦ ♦ ♦ ♦ †#J ♦ ♦ ♦ ♦ J# ♦ Y ♦ #\$ ♦ YY ♦ # ♦ Y ♦ f+# ♦ Ya ♦

Key:1001100100
plaintext:
◆◆#◆^◆◆#@#◆◆◆◆翻#◆#^t@◆◆t◆◆##◆t◆◆◆/#◆#^@(#◆#Γ

Key:1001100110
plaintext:
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Key:1001101000 plaintext:

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n��#=N���=�#

Key:1001101001

plaintext:

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Key:1001101010

plaintext:

**\Phi**\ProVc**\Phi**\Pro\ProVc**\Phi**\ProVc**\** 

Key:1001101011

plaintext:

**\\$\\$\#\\$\\$**nj\\$'\\$G\\$\\$\\$\\$\q\\$K!\\$\K!\\$\\$\qq\K\\$\\$\\$\#\\$\\$\q\\$C\\$\\$\q\\$\\$

Key:1001101100

plaintext:

**\\$\J\\$\YZ\\$**"J\**\\$**@\Y#"Jk"#\Y#\**\\$\\$\ta**@\J\tOJ\**\\$\\$\\$\#\t**"\kJ\**\\$\Y#\\$\\$\@\\Y\\$\\$\\$#** 

Key:1001101101

plaintext:

G+��;��d�z�+

**\$**z**\$**r**\$\$\$\$\$\$\$** 

Key:1001101110

plaintext:

#���6'��'�'����26��j��j�#22��'BG��26�崕2��

Key:1001101111

plaintext:

b���\$III����/��WS�I���bWW��/�&��WSI���W��

Key:1001110000

plaintext:

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Key:1001110001

plaintext:

Key:1001110100 plaintext:

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Key:1001110101

plaintext:

W;����;#t�x�;#�x�b���t�;Ŗ;W����#;��b��t+�3b

Key:1001110110

plaintext:

Key:1001110111

plaintext:

Key:1001111000

plaintext:

Key:1001111001

plaintext:

#m�

**\* \* \* \* m**:d

Z�m��Z T��#d�m#�m#��#��m#

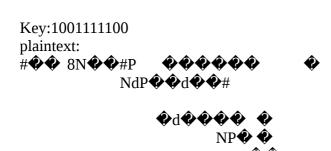
T**��**d; **��**qT

Key:1001111010

plaintext:

Key:1001111011

plaintext:



plaintext:

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Key:1001111110

plaintext:

\$\psi \#\0d\phi \phi \#\4\phi do\phi \phi \#\0\phi \phi do\phi \phi \gd\phi \phi:o

Key:1001111111

plaintext:

Key:1010000000

plaintext:

Key:1010000001

plaintext:

Key:1010000010

plaintext:

A brute force decryption in Applied Cryptography

Key:1010000011

plaintext:

\$"�]��.c�(�l]���hM,

Key:1010000100

plaintext:

}z�dJ��}idJKdi}7��ЛροJ�οJ�Φ#�dKJI}7���}

Key:1010000101

plaintext:

g

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q�

g��bq-\*
M#R�\_åi#\_�#R

Key:1010000110

plaintext:

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Key:1010000111

plaintext:

B�a#�w(���#(�(#�sw]☆]��Bss�](��#�sw�##^s��

Key:1010001000

plaintext:

Key:1010001001

plaintext:

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Key:1010001010

plaintext:

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Key:1010001011

plaintext:

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Key:1010001100

plaintext:

Key:1010001101

plaintext:



plaintext:

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Key:1010001111

plaintext:

**\Phi**#!#s\Phi\##,#E\Phi#\Phi\E#{\Phi\}],##]##\Phi\Phi\Phi

Kev:1010010000

plaintext:

Key:1010010001

plaintext:

**\Phi**+\Phi#ih\Phi+#V#z\Phi+.\Pz#r\Ph\Pv\P+\Phi+\Phi\Phi+\Phi+PhV##\P\Phi\Phi\*r

Key:1010010010

plaintext:

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Key:1010010011

plaintext:

Key:1010010100

plaintext:

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Key:1010010101

plaintext:

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Key:1010010110

plaintext:

 $A\#bDC^{*}\#^{*}DQ\#VQDK^{*}\Phi^{*}m^{*}\#A^{*}\Phi^{*}mV\#gDK^{*}\Phi^{*}UD\#^{*}:K$ 

Key:1010010111

plaintext:

**��**#kQ##M##**��**#ML##

plaintext:

#**���**T**��**Hu**�**P**��**P**��** 

Key:1010011001

plaintext:

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Key:1010011010

plaintext:

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plaintext:

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Key:1010011110

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C/#��/���/��V��qr�/q�/C��FqC/V��r��'V

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Key:1010100011

plaintext:

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Key:1010100100

plaintext:



Key:1010100101

plaintext:



Key:1010100110

plaintext:

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Key:1010100111

plaintext:

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**Ŷ**CZ ZC**Ŷ**Y**ŶŶŶ** 

Q**�**,**�**hY

Key:1010101000

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Key:1010101001

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Key:1010101010

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Key:1010101011
plaintext:
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Key:1010101100

plaintext:

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Key:1010101101

plaintext:

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**\$\$**\$v**\$**\$\$\$b**\$**\$

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Key:1010101110

plaintext:

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Key:1010101111

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Key:1010110000

plaintext:

#**��**K**�**x**�**;**�**K**���**y**��**K**�**+x**��** 

Key:1010110001

plaintext:

Key:1010110010

plaintext:

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Key:1010110011

plaintext:

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Key:1010110100

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plaintext:

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Key:1010110110

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Key:1010111000

plaintext:

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Key:1010111001

plaintext:

 $S?p�|�?����?#��F�|a��?a�?S��Va�#?Y�F�|�\}$$7$;F$ 

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plaintext:

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Key:1010111011

plaintext:

v�U����Q��1��#�1��g�I���I��vgg�I�#����g�5��g�

Key:1010111100

plaintext:

Key:1010111101

plaintext:

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Key:1010111110

plaintext:

3#�ba`Q#�{beQ#PQebid`�{�#F#3ddX�QP#wbid`{Sb�d.i

Key:1010111111 plaintext:  $R\#q \diamondsuit A \diamondsuit 8\# \diamondsuit \# \diamondsuit E8\#\#8E \diamondsuit I \diamondsuit \diamondsuit \diamondsuit \# \diamondsuit \# \diamondsuit \#R \diamondsuit \diamondsuit | \diamondsuit 8\#\#\# \diamondsuit I \diamondsuit \diamondsuit \#W \diamondsuit N \diamondsuit$ 

Key:1011000000 plaintext:  $L \diamondsuit O[\ \diamondsuit B[+ \diamondsuit \diamondsuit i \diamondsuit + [\#] \diamondsuit dB \diamondsuit \diamondsuit d \diamondsuit L]] ad \diamondsuit i \diamondsuit \\ [\#] \diamondsuit B[ \diamondsuit ] \diamondsuit \#$ 

Key:1011000001 plaintext:



Key:1011000010

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Key:1011000011

plaintext:

��?�U�笙?�����?�QU��'��'� QQ�����?�QU��?�Q��

Key:1011000100

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Key:1011000110

plaintext:

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Key:1011000111

plaintext:

plaintext:



Key:1011001001

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Key:1011001010

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Key:1011001011

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Key:1011001100

plaintext:

**\$**J**\$**}z**\$\$**J**\$**`}**\$\$**JK**\$\$**}7**\$\$**T`oJToJ**\$\$\$**#T**\$**KJ**\$**}7**\$\$**`H}**\$\$**b7

Key:1011001101

plaintext:

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Key:1011001110

plaintext:



Key:1011001111

plaintext:



Key:1011010000

plaintext: #**��**9

## **ΓΦΦ9Φ9ΦΦ#9ΦΦ:Φ9Φ**

Key:1011010001

plaintext:

Key:1011010010

plaintext:

Key:1011010011

plaintext:

Key:1011010100

plaintext:

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Key:1011010101

plaintext:

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Key:1011010110

plaintext:

����#����#���u�h�##��z��z��##����##�U�#��

Key:1011010111

plaintext:

Key:1011011000

plaintext:

Key:1011011001

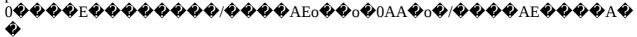
plaintext:

#+����+#V�z�+.�z�ri��V#+�#+#ii�.+?�ri�V#��iqr

Key:1011011010

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Key:1011011100

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Key:1011011101

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Key:1011011110

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Key:1011100001

plaintext:

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Key:1011100010

plaintext:

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Key:1011100011

plaintext:

**`**�''��w�j''�#��j''?j��{e��##''�#''�ee.�j?''d�{e�#��ne\*{

Key:1011100100



Key:1011100101 plaintext:

**�**}}v**����**b >t}**�**b**�**>**�**}Et

Key:1011100110

plaintext:

Key:1011100111

plaintext:

Key:1011101000

plaintext:

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Key:1011101001

plaintext:

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r�l�/��l�Vm��r#/�#/CmmF�C/JVm�r��m'V

Key:1011101010

plaintext:

��d�##���d�##�r#�d�##��X��X�##��#r��d�##��d'#��

Key:1011101011

plaintext:

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Key:1011101100

plaintext:

**���#��#T#��**|##�r�

Key:1011101101

plaintext:

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Key:1011110000

plaintext:

**\\$\\\Phi\\Phi\n\P** 

Key:1011110001

plaintext:

S?���?#P�|�?��|�F���P�?��?S��V� 2mF��P��7;F

Key:1011110010

plaintext:

#��b�#3��b�3�t3�b�##��~�###��3t��b�##��b7#��

Key:1011110011

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plaintext:

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Key:1011110101

plaintext:

w]����]\*��,�]��,�d-�#�0]#0]w--�#��]��d-���O-�d

Key:1011110110

plaintext:

3#�b���#�{b��#P��b����{##�##3���P#wb���{Sb��.�

Key:1011110111



plaintext:

#**\\$**KI\**\$**#TK**\\$**\**\$**\\$y**\\$**\\$K**\\$**+**\\$**@T**\\$**\\$@**\\$**\\$#++**\\$**@**\\$**y**!?**K**\\$**+**\\$**T<K**\\$**+

Key:1011111001

plaintext:

Key:1011111010

plaintext:

Key:1011111011

plaintext:

\$\displaysquare \text{\$\phi\_2\

Key:1011111100

plaintext:

#��OL��gvOn�]��OM��vy��y�#MMU��]�#OM�v~O#MF

Key:1011111101

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Key:1011111110

plaintext:

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Key:1011111111

plaintext:

Key:1100000000

plaintext:

xO �q]� Oh�QXx�qX�q#��X�]qOh�Qx\$O��h

Key:1100000001

plaintext:

\$U\$\$\$\$GU\$\$GU\$G\$\$\\$\$x#\$Ux\$U\$\$\$\$xG\$U\$\$\\$#\$C\$\$\\$

Key:1100000010
plaintext:
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y • • Y • Y

"• XYhj
y • • j'
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Key:1100000011 plaintext:

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Key:1100000100

plaintext:

Key:1100000101

plaintext:

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Key:1100000110

plaintext:

 $\mathbf{\hat{\phi}}_{i}\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}_{j}\mathbf{\hat{\phi}}_{i}\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{i}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_{p}<\mathbf{\hat{\phi}}_{l}\mathbf{\hat{\phi}}_$ 

Key:1100000111

plaintext:

Key:1100001000

plaintext:

**�**1**��**v#1**�**x**�**`1**�**`**�**h'#Xxc1Xc1**�**''/X**�**1@**�**h'#xd**�** 

Key:1100001001

plaintext:

K#�#V��##�#d�#��d#lf�x�"#x"#Kff+x��#�#lf��`#�f/l

Key:1100001010

plaintext:

Key:1100001110
plaintext:
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Key:1100010000
plaintext:

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Key:1100010001 plaintext: [7��Fr�7#��t�7#�t�N�r��27�27[��;��#7��N�r�ρ�Ϊ/?N

Key:1100010100
plaintext:

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plaintext:

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Key:1100010110

plaintext:

#y�j�m�sj��yX��j�m�s#y�#y#���ÜXy#j�ms�j5�#

Key:1100010111

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Key:1100011000

plaintext:

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Key:1100011001

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Key:1100011011

plaintext:

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Key:1100011100

plaintext:

p#S��A�#�~��#���HEA�~q#�q#pEE�B#R�HEA~#��E�H

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Key:1100011111 plaintext: #¢'.M8�#�'08��80'M&�#�&#w&8�..'M�|'�� Key:1100100000 plaintext: D�G�T���J�f���f��U�jJE�jE�DUUij���F��U�Jb��Um� Key:1100100001 plaintext: ��mn���'6���+f6��i��n+��n�� Key:1100100010 plaintext: aKB��k�K���K��K��A8# Key:1100100011 plaintext: (\***♦**7**♦**0 \*'**\$**7**\$** \*� **�**7s#o**��**)\***�**)\*(##%**�** \*\*\*\P\$7\$#0Î7\P\$#\P\$\$ Key:1100100100 plaintext: #**��**Y**�**3��)hY���k��Y�73\h��\��#77�\�k�BY�73hY�7�� Key:1100100101 plaintext: \[ \disp\arealar \din\arealar \disp\arealar \disp\arealar \disp\arealar Key:1100100110 plaintext: #o**�**\[⊐o Key:1100100111 plaintext: -���>��E������s��P�

'�gP����s��|���\\$s

plaintext:

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Key:1100101001

plaintext:

Key:1100101010

plaintext:

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Key:1100101011

plaintext:

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Key:1100101100

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Key:1100101101

plaintext:

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Key:1100101110

plaintext:

Key:1100101111

plaintext:

Key:1100110000

plaintext:

#!�k##�![hk��!Y��kx7#Hh�!H�!#77�H�Y!�kx7#h�k�7�x

Key:1100110001

plaintext:

**^ \$**>**\$\$**\$\$\$h\$\$\$\$\$|v\$h2h\$\$vv\$h\$\$\$\$|v\$\$\$\$\$v\$\$|

Key:1100110011 plaintext: ��#�HM�����ŸM#�+�#+����u#ュ�:�ŸM�#���� Key:1100110100 plaintext: **^**#**��**P**��**#**�**x**�**T**�**#**��**T**�**n**��**Lxw#Lw#**��**�iL**��**#**�**n**��**xb**�**>**�**#n Key:1100110101 plaintext: #��t��###�p�#2�p�J��h###h##��Ih�2#��J��#F���#J Key:1100110110 plaintext: **\*\*\*** 00,0 ŶŶ Key:1100110111 plaintext: Z**��**żo **\***#**\*\* \$**# **���.**0**����**\$Z..% #**\$**1**\$\$**.0**\$\$\$** Key:1100111000 plaintext: TaW�DA�a�h�v�a��v�x�AHhgaHgaT��yH��aV�x�Ahr 뜷}x Key:1100111001 plaintext: #E**�**&d**�**E# &r**\P**E**\P**\Pr\R|**\P**\Pr\HEH#E#**\P**\Pr\R|**\P**\Pr\R v&**��**v∣

Key:1100110010

Key:1100111010

plaintext:

qIR��i�I��II��##i��bI�bIq##�彼 I��##i���Q###

Key:1100111011

plaintext:

8, **\Phi** '\Phi M#, 7 \Phi '\Phi #, \Phi #\Phi '\Phi #MD \Phi \Phi, D\Phi, 8##5D#\Phi, \Phi '\Phi #M\Phi \Phi '\Phi #\Phi \Phi

Key:1100111100

plaintext:

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Key:1100111101

plaintext:

**\$**\$\$\$\$4B\$\$\$P0\$\$\$\$0.\$\$FBh\$h\$\$\$F\$h\$\$\$\$\$PF\$h\$\$\$\$FB\$bwF\$\$\$

Key:1100111110

plaintext:

#**\$**L**\$**6#**\$**L|**\$**^**\$**|L#**\$\$\$\$\$\$\$** 

Key:1100111111

plaintext:

Key:1101000000

plaintext:

**1**!**0**v#1**000**1#**0**2'#**00**c1**0**c1**0**''/**0**#1**0**2'#**00** 

'+**�** 

Key:1101000001

plaintext:

K#h#Vp�#�Y#��##��#�fp�Y"#�"#Kff+��##A#�fpY�#�f/�

Key:1101000010

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Key:1101000011

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Key:1101000100



plaintext:

Key:1101000110

plaintext:

 $\mathbf{\hat{\phi}}\mathbf{I}\mathbf{\hat{\phi}}\mathbf{J}\mathbf{c}\mathbf{z}\mathbf{\hat{\phi}}\mathbf{I}\mathbf{\hat{\phi}}\mathbf{H}\mathbf{I}\mathbf{\hat{\phi}}\mathbf{z}\mathbf{0}|\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}\mathbf{c}\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}\mathbf{\phi}\#||\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}\mathbf{I}\mathbf{H}\mathbf{\hat{\phi}}\mathbf{\hat{\phi}}\mathbf{z}\mathbf{0}|\mathbf{\hat{\phi}}\mathbf{c}\mathbf{\hat{\phi}}\mathbf{z}\mathbf{\hat{\phi}}|\mathbf{\hat{\phi}}\mathbf{0}$ 

Key:1101000111

plaintext:

Key:1101001000

plaintext:

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Key:1101001001

plaintext:

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Key:1101001010

plaintext:

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Key:1101001011

plaintext:

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Key:1101001100

plaintext:

Key:1101001101

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Key:1101001110

plaintext:

Key:1101001111

plaintext:

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Key:1101010000

plaintext:

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Key:1101010001

plaintext:

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Key:1101010010

plaintext:

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Key:1101010011

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Key:1101010100

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Key:1101010101

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Key:1101010110

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Key:11010101111

plaintext:

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plaintext:

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Key:1101011001

plaintext:

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Key:1101011010

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Key:1101011011

plaintext:

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Key:11010111100

plaintext:

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Key:1101011101

plaintext:

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Key:1101011110

plaintext:

Key:1101011111

plaintext:

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Key:1101100000

plaintext:

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Key:1101100001

plaintext:

Key:1101100010 plaintext: ���z}�m�ngzm�lmz�x�Gg��G�¹xxdGml�.z�x�goz�xŒ Key:1101100011 plaintext: ŶŶ ���C�o�o�X�#C��#��XX�#��\*�X�C� Xd� Key:1101100100 plaintext: **\$**#r**\$**\***\$\$**#v\***\$**\*v#~**\$\$**Lg**\$**g**\$**\$**\$** Key:1101100101 plaintext: ##**�**##o**���**"#**�**#Z**��** o#L#V��#� #R**\$**#"**\$**R#Z**\$ �**#**���**Z Key:1101100110 plaintext: ��#��e#���### ueb�ub��##�u�� #**�**#ie Key:1101100111 plaintext: J�i#�n��a#�n�n�#�>#a��#��J>>�#n�#�>a�#�>�� Key:1101101000 plaintext: f��qiJE�iE����j �F��qJb� **��**G**��**J�� **���** Key:1101101001 plaintext: **\display** \display \ Key:1101101010 plaintext: **�**KB**�**=k-K**����**-K,-**��**#8k**��**`K**�**`K**�**88**��**-,K**��**#8k**����**#

Key:1101101011 plaintext:



plaintext:

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Key:1101101101

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Key:1101101110

plaintext:

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Key:1101101111

plaintext:

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Key:1101110000

plaintext:

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Key:1101110001

plaintext:

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#Ũ#ŝ����#�7&��`

Key:1101110010

plaintext:

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Key:1101110011

plaintext:

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Kev:1101110100

plaintext:

#��I�#h���I�h�{h�I�'#����#''��h{��I�'#��I�'

Key:1101110101 plaintext: ��#�B!��Y�!��!��FB�Y����FF��!��A�FBY�wF�� Key:1101110110 plaintext: #�L]�m�uL�m^m�L#��eu�e�#��Dem^�L#��uKL3�w# Key:1101110111 plaintext: Key:1101111000 plaintext: �!�k�#X![�k�X!YX�k�7#���!��!�77��XY!�k�7#��k\7�� Key:1101111001 plaintext: Key:1101111010 plaintext: Key:1101111011 plaintext: •\(\phi\)|#\(\phi\)\(\phi\)\(\phi\)\(\phi\)|#\(\phi\)\ Key:1101111100 plaintext: **•**## **y**(#**•**• **(#(** n��w#�w#�����(�#� n���b >**₽**#n Key:1101111101 plaintext: #\���#�#�##2��J��####�##����2#�J��#F��#J Key:1101111110 plaintext:  $\mathbf{\hat{Q}}\mathbf{\hat{Q}}_{0}$ #O-**��**u �-��-�

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 $\begin{tabular}{ll} Key: 1101111111 \\ plaintext: \\ Z \diamondsuit y \diamondsuit o \diamondsuit \diamondsuit & q \# \diamondsuit \# \& \# \diamondsuit .oq \diamondsuit \diamondsuit \& Z.. \diamondsuit \& \# \diamondsuit \& .oq \& .$ 

Key:1110000000
plaintext:
dG�pq��j�F���F�xuqLj�L�duuIL��f�xuqjBuMx

Key:1110000010 plaintext:
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Key:1110000011 plaintext: #♠},♠♠#♠,♠♠,♠#♠<} ♠♠ <<%,♠#♠<}��#�<

Key:1110000100
plaintext:
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Key:1110000101 plaintext: 或令令rt令令令 t令令令vrX 馣 X令令vv令Xl令令令vr令\$令令v令令

Key:1110000110 plaintext:  $\#O \lozenge | \lozenge \lozenge O \land \lozenge | L \lozenge O N \lozenge L | 6 \lozenge \lozenge x \lozenge O \lozenge \lozenge O \# \lozenge \&_{LA} NO1 | 6 \lozenge \lozenge \lozenge \lozenge \lozenge | \lozenge \lozenge G6$ 

Key:1110000111

plaintext: Key:1110001000 plaintext: \$E\$[01\$EK\$[2Ei\$\$[x51L\$cELcE\$55\$L\$iE\$[x51\$\$[x51\$\$] Key:1110001001 plaintext: �A�#��A��;A��UX��H�#AH#ÀA�����X����f��X Key:1110001010 plaintext: #m�^�Y�mNg^.�mL�.^#�Y�gFm�Fm#����Lm^#�Ygo^!�e#

Key:1110001011 plaintext: +�|}� **�**c**�**O**� ��**O���}`c� **\��**e`�� **���**}c.**���**î

Key:1110001100 plaintext: 

Key:1110001101 plaintext: O#��v��##)�`�##�`�z��X)&#X&#O��/X�##��z��)d�s�+z

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Key:1110001111 plaintext: j���[��#����]��\#\���\#[0���#[0���]##\\$0\\$\\##\\$0\\$\\##\\$\

Key:1110010000

plaintext:

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Key:1110010010

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Key:1110010101

plaintext:

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Key:1110010110

plaintext:

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Key:1110010111

plaintext:

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Key:1110011000

plaintext:

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Key:1110011001

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Key:1110011010

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Key:1110011100

plaintext:

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Key:1110011101

plaintext:

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Key:1110011110

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plaintext:

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Key:1110100000

plaintext:

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Key:1110100001

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plaintext:

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Key:1110100101

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Key:1110100111

plaintext:

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Key:1110101000

plaintext:

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Key:1110101001

plaintext:

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Key:1110101010

plaintext:

Key:1110101011

plaintext:

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Key:1110101100

plaintext:

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Key:1110101101
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Key:1110101110
plaintext:
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Key:1110101111

 $\label{eq:Key:1110110001} \text{plaintext:} \\ \{\# \diamondsuit \diamondsuit b \diamondsuit \diamondsuit \# 4 = \diamondsuit T \diamondsuit \# \diamondsuit \diamondsuit T \diamondsuit j \diamondsuit \diamondsuit L = \# L \# \# \{ \diamondsuit \diamondsuit \# L \diamondsuit \diamondsuit \#_T j \diamondsuit \diamondsuit = P \diamondsuit \diamondsuit \& \#_J \diamondsuit \diamondsuit W \&_J \diamondsuit \diamondsuit W &_J \diamondsuit W &_J \diamondsuit \diamondsuit W &_J \diamondsuit W &_$ 

Key:1110110110
plaintext:

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Key:1110111000

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Key:1110111111

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Key:1111000000

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$$\begin{split} & \text{Key:} 1111000100 \\ & \text{plaintext:} \\ & \lozenge' \% = R \lozenge L' \lozenge L \lozenge = \wedge \lozenge \lozenge \lozenge \lozenge \lozenge G' \lozenge G' \lozenge \lozenge \lozenge + \lozenge L \lozenge' \lozenge = \wedge \lozenge \lozenge \lozenge \lozenge \lozenge = \lozenge \lozenge / \wedge \end{split}$$

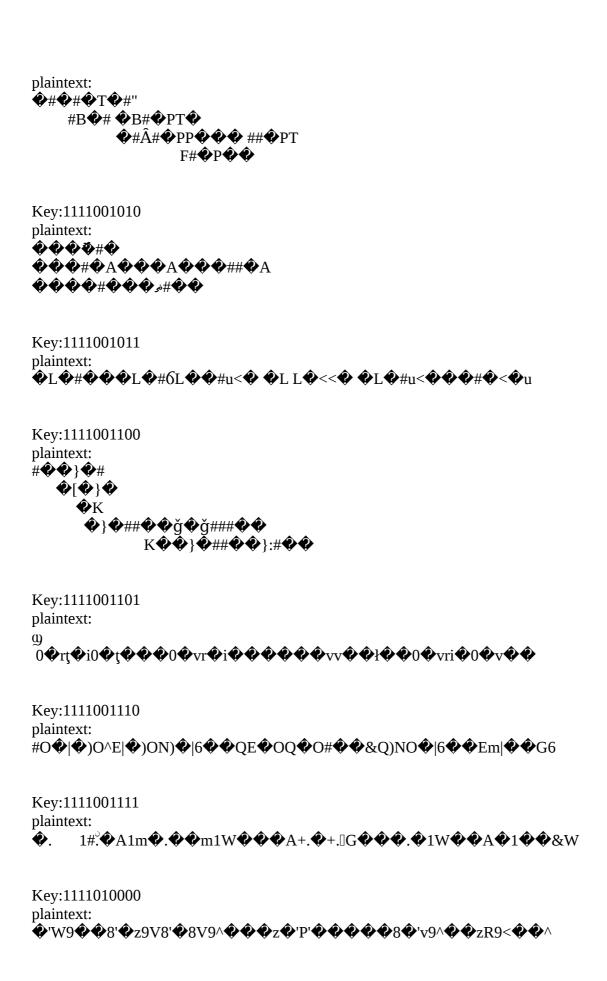
Key:1111000101
plaintext:
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Key:1111000110
plaintext:

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Key:1111000111 plaintext:  $j \diamondsuit 11 \diamondsuit [ \diamondsuit \diamondsuit \# A1 - \diamondsuit \diamondsuit ' \diamondsuit - 1 \diamondsuit \# [0A \diamondsuit \diamondsuit 0 \diamondsuit \diamondsuit ] \# \# \diamondsuit 0 \diamondsuit ' \diamondsuit \diamondsuit 1 \diamondsuit \# [A \diamondsuit 1 v \# \diamondsuit \diamondsuit ) \diamondsuit \lozenge ]$ 

Key:1111001001



Key:1111010001
plaintext:

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Key:1111010011

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Key:1111010100

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Key:1111010101

plaintext:

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Key:1111010110

plaintext:

Key:1111010111

plaintext:

**\$>/!\$J>\$Q!}J**\$G**\$**\$Q;>\$;>Ô\$W\$J\$>\*!G\$\$Q\$!\$\$6G

Key:1111011000

plaintext:

 $\mathbf{\hat{\Diamond}}$ 

Key:1111011001

plaintext:

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Key:1111011010

plaintext:

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Key:1111011100

plaintext:

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Key:1111011101

plaintext:

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Key:1111011110

plaintext:

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Key:1111011111

plaintext:

Key:1111100000

plaintext:

Key:1111100001

plaintext:

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Key:1111100010

plaintext:

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Key:1111100011

plaintext:

Key:1111100100

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Key:1111100101

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plaintext:
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Key:1111100110
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��G�k!�k�ux��G��xxs��.�ux�G��$x`u
Key:1111101000
plaintext:
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Key:1111101001
plaintext:
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Key:1111101010
plaintext:
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plaintext:
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Key:1111101100
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Key:1111101101 plaintext: �%>#bT�%�/#f�%#�f#�PT�/%� %�PP#��#%##�PT/�#�P�� Key:1111101110 plaintext: Key:1111101111 plaintext: �H?#��ZH��#�ZH!Z�#u8�#ōH#�H�88�#Z!H�#u8�N#�8�u Key:1111110000 plaintext: Key:1111110001 plaintext: ��##�Tw��}#�w�0w�#�bT�}���bb��w0��#�bT}�#sb�� Key:1111110010 plaintext: #[��k ½ [�q���[#��&�Eq�[E�[#��#E�#[��&��qY�7�s& Key:1111110011 plaintext: Key:1111110100 plaintext: #1���#1K~��#1##�?��~Q1�Q1#���##1R?��~v�\*�+� Key:1111110101 plaintext: **^**\$5##**\$**D**\$**5**\$**?#**\$\$**5#**\$\$**#**\$**@D**\$**?05**\$**05**\$**@@**\$\$\$**#53#**\$**@D?r#**\$**@ Key:1111110110 plaintext: **\$9\$N\$**†9**\$**89**\$\$ ©**c**©**t**©**ct**©**3

**�**c98**��** 



plaintext:

Key:1111111000

plaintext:

Kev:1111111001

plaintext:

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Key:1111111010

plaintext:

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Key:1111111011

plaintext:

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Key:1111111100

plaintext:

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Key:1111111101

plaintext:

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Key:1111111110

plaintext:

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Key:1111111111

plaintext:

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