

GCIS Hash-to-Password Recovery & Cryptograph

=====

```
'0' -> -1 '1' -> -1 '3' -> -1 '4' -> -1
'6' -> -1 '8' -> -1 'B' -> -1 'G' -> -1
'H' -> -1 'N' -> -1 'T' -> -1 'U' -> -1
'X' -> -1 'c' -> -1 'd' -> -1 'e' -> -1
'f' -> -1 'v' -> -1 'y' -> -1 'z' -> -1
```

SIGNIFICANT (100.0% uniform charge) - Dominant charge: -1

```
=====
20/20 bytes show 100% pattern consistency
RESULT: All password bytes have UNIQUE, CONSISTENT sign patterns
=====
```

```
=====
Pearson Correlation: 1.0000
Bit-Sign Agreement: 100.00%
=====
```

```
-----
Password: Bv3Hy8Tz1Uc6Gd0Nf4Xe
Password Bitstring:
01000010 01110110 00110011 01001000 01111001 00111000 01010100 01111010 00110001
01100011 00110110 01000111 01100100 00110000 01001110 01100110 00110100 01011000
```

Bitstring:

Sign sequence (complete):

Layer 2 (zfa90): 463 bits

```
00001110101001000010010001101001000010100011110101011011110011010010011101100100101100110000000
```

1100011111110101010001000100100101110001111101110010011011100001010000001110100011110101000
10011111000011000010100011110100000011011011101000101100001010000101011110111101110110100110
000010101001111011101100100110011010001111001011100110101000111000010000101010001010101011
1001101110101011000000010010101100101110001001110000011011110100001100001100011001

Sign sequence (complete):

-1, -1, -1, -1, +1, +1, +1, -1, +1, -1, +1, -1, -1, +1, -1, -1, -1, -1, +1, -1, -1, +1, -1, -1, -1, +1, +1, -1, +1, -1,
-1, +1, -1, -1, -1, -1, +1, -1, +1, -1, -1, -1, +1, +1, +1, -1, +1, -1, +1, -1, +1, +1, -1, +1, +1, +1, -1, -1,
+1, +1, -1, +1, -1, -1, +1, -1, -1, +1, +1, +1, -1, +1, +1, -1, +1, -1, +1, -1, +1, +1, -1, +1, +1, -1, +1, +1, -1, -1,
-1, -1, -1, -1, -1, +1, +1, -1, -1, -1, +1, +1, +1, +1, +1, +1, +1, +1, -1, +1, -1, +1, -1, +1, -1, -1, +1, -1, -1,
-1, +1, -1, -1, +1, -1, -1, +1, -1, -1, +1, +1, +1, -1, -1, -1, +1, +1, +1, +1, -1, +1, +1, +1, -1, +1, +1, -1, +1,
-1, -1, +1, +1, -1, +1, +1, -1, -1, -1, +1, -1, +1, -1, +1, -1, -1, -1, -1, +1, +1, +1, -1, +1, +1, -1, +1, +1,
+1, +1, +1, -1, +1, -1, +1, -1, -1, +1, -1, -1, +1, +1, +1, +1, -1, -1, -1, -1, +1, +1, -1, -1, -1, +1, -1, -1,
+1, -1, -1, -1, +1, +1, +1, -1, +1, -1, -1, -1, -1, -1, -1, +1, +1, -1, +1, +1, -1, +1, +1, +1, -1, +1, +1, -1, -1,
+1, -1, +1, +1, -1, -1, -1, +1, +1, -1, +1, -1, -1, -1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, +1, +1, -1, +1, +1,
+1, -1, +1, +1, -1, +1, +1, -1, +1, -1, -1, +1, +1, -1, -1, -1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, +1, +1,
+1, -1, +1, +1, -1, +1, +1, -1, +1, -1, -1, +1, +1, -1, -1, -1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, +1, +1,
-1, -1, +1, -1, +1, +1, +1, -1, -1, +1, +1, -1, +1, -1, +1, -1, -1, -1, +1, +1, +1, -1, -1, -1, -1, +1, -1, -1,
-1, -1, +1, -1, +1, -1, +1, -1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, -1, +1, +1, -1,
+1, -1, -1, +1, -1, +1, +1, -1, -1, -1, -1, -1, -1, +1, -1, -1, +1, -1, +1, -1, +1, -1, +1, +1, -1, -1, +1, -1, +1,
-1, -1, -1, +1, -1, -1, +1, +1, -1, -1, -1, -1, -1, -1, +1, +1, -1, +1, +1, +1, -1, +1, -1, -1, -1, -1, +1, +1, -1,

PAGE 2: LAYER DATA + CHARGE DETAILS

LAYER: es16 (1024 bits)

[illegible]

```
Character positions and charges:
'0' @ 43->-1, 50->-1, 273->-1, 639->-1 -> Charge: -1
'1' @ 195->-1, 346->-1, 606->-1 -> Charge: -1
'3' @ 127->-1, 731->-1 -> Charge: -1
'4' @ 435->-1, 698->-1, 822->-1 -> Charge: -1
'6' @ 704->-1 -> Charge: -1
'8' @ 172->-1, 425->-1 -> Charge: -1
'B' @ 30->-1, 552->-1, 616->-1, 626->-1 -> Charge: -1
'G' @ 72->-1, 169->-1, 245->-1, 376->-1 -> Charge: -1
'H' @ 27->-1, 285->-1, 801->-1, 874->-1 -> Charge: -1
'N' @ 307->-1, 583->-1, 922->-1 -> Charge: -1
'T' @ 281->-1, 303->-1, 413->-1, 972->-1 -> Charge: -1
'U' @ 749->-1, 766->-1, 768->-1, 908->-1 -> Charge: -1
'X' @ 81->-1, 402->-1, 517->-1, 575->-1 -> Charge: -1
'c' @ 83->-1, 384->-1 -> Charge: -1
'd' @ 633->-1, 1010->-1 -> Charge: -1
'e' @ 132->-1, 181->-1, 258->-1, 476->-1 -> Charge: -1
'f' @ 128->-1, 343->-1 -> Charge: -1
'v' @ 138->-1, 254->-1, 339->-1, 380->-1 -> Charge: -1
'y' @ 10->-1, 505->-1, 856->-1, 881->-1, 899->-1 -> Charge: -1
'z' @ 76->-1, 446->-1 -> Charge: -1
```

LAYER: zfa90 (463 bits)

Bitstring:

```
00001110101001000010010001101001000010100011110101011011110011010010011101100100101100110000000  
110001111111101010100010000100100101110001111101110010011011100001010000001110100011110101000  
1001111100001100001010001111010000001101011101000101100001101000010101011101110111011010100110  
0000101011001110111010010011001101000111100101110011010101000111000010000101010001010101011  
10010111010101100000001001010110010110001001110000011011110100001100001100011001
```

Sign sequence: -1, -1, -1, -1, +1, +1, -1, -1, +1, +1, -1, -1, -1, -1, -1, -1, -1, -1, +1, -1, -1, -1, -1, -1,
-1, -1, -1, -1, +1, -1, -1, -1, +1, +1, +1, -1, +1, -1, +1, ...

```

Character positions and charges:
'0' @ 84-->-1, 200-->-1, 280-->-1, 445-->-1 -> Charge: -1
'1' @ 93-->-1, 451-->-1 -> Charge: -1
'3' @ 311-->-1 -> Charge: -1
'4' @ 23-->-1, 58-->-1, 246-->-1 -> Charge: -1
'6' @ 224-->-1, 315-->-1 -> Charge: -1
'8' @ 348-->-1, 424-->-1 -> Charge: -1
'B' @ 12-->-1, 30-->-1, 250-->-1, 356-->-1 -> Charge: -1
'G' @ 37-->-1, 174-->-1, 209-->-1, 345-->-1 -> Charge: -1
'H' @ 9-->-1, 17-->-1, 27-->-1 -> Charge: -1
'N' @ 65-->-1, 422-->-1 -> Charge: -1
'T' @ 108-->-1, 341-->-1, 361-->-1 -> Charge: -1
'U' @ 255-->-1, 369-->-1, 371-->-1 -> Charge: -1
'X' @ 239-->-1, 392-->-1 -> Charge: -1
'c' @ 94-->-1, 319-->-1, 452-->-1 -> Charge: -1
'd' @ 72-->-1, 305-->-1 -> Charge: -1
'e' @ 410-->-1 -> Charge: -1
'f' @ 81-->-1, 312-->-1 -> Charge: -1
'v' @ 68-->-1, 271-->-1, 301-->-1, 385-->-1 -> Charge: -1
'y' @ 53-->-1 -> Charge: -1
'z' @ 41-->-1, 178-->-1, 213-->-1, 436-->-1 -> Charge: -1

```

PASSWORD BYTE SIGN PATTERNS

```
=====

BYTE 0 | ASCII: 'B' | Bit Pattern: 01000010
Found at 10 location(s)
SIGN PATTERN: -1 +1 -1 -1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 1 | ASCII: 'v' | Bit Pattern: 01110110
Found at 8 location(s)
SIGN PATTERN: -1 +1 +1 +1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 2 | ASCII: '3' | Bit Pattern: 00110011
Found at 3 location(s)
SIGN PATTERN: -1 -1 +1 +1 -1 -1 +1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 3 | ASCII: 'H' | Bit Pattern: 01001000
Found at 7 location(s)
SIGN PATTERN: -1 +1 -1 -1 +1 -1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 4 | ASCII: 'y' | Bit Pattern: 01111001
Found at 6 location(s)
SIGN PATTERN: -1 +1 +1 +1 -1 -1 +1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 5 | ASCII: '8' | Bit Pattern: 00111000
Found at 4 location(s)
SIGN PATTERN: -1 -1 +1 +1 -1 -1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 6 | ASCII: 'T' | Bit Pattern: 01010100
Found at 7 location(s)
SIGN PATTERN: -1 +1 -1 +1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 7 | ASCII: 'z' | Bit Pattern: 01111010
Found at 6 location(s)
SIGN PATTERN: -1 +1 +1 +1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 8 | ASCII: 'l' | Bit Pattern: 00110001
Found at 5 location(s)
SIGN PATTERN: -1 -1 +1 +1 -1 -1 +1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 9 | ASCII: 'U' | Bit Pattern: 01010101
Found at 7 location(s)
SIGN PATTERN: -1 +1 -1 +1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 10 | ASCII: 'c' | Bit Pattern: 01100011
Found at 5 location(s)
SIGN PATTERN: -1 +1 +1 -1 -1 -1 +1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 11 | ASCII: '6' | Bit Pattern: 00110110
Found at 3 location(s)
SIGN PATTERN: -1 -1 +1 +1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 12 | ASCII: 'G' | Bit Pattern: 01000111
Found at 11 location(s)
SIGN PATTERN: -1 +1 -1 -1 -1 +1 +1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 13 | ASCII: 'd' | Bit Pattern: 01100100
Found at 4 location(s)
SIGN PATTERN: -1 +1 +1 -1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 14 | ASCII: 'O' | Bit Pattern: 00110000
Found at 8 location(s)
SIGN PATTERN: -1 -1 +1 +1 -1 -1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 15 | ASCII: 'N' | Bit Pattern: 01001110
Found at 5 location(s)
SIGN PATTERN: -1 +1 -1 -1 +1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%

BYTE 16 | ASCII: 'f' | Bit Pattern: 01100110
Found at 4 location(s)
SIGN PATTERN: -1 +1 +1 -1 -1 +1 -1
CONSISTENCY: 100.0%
BIT-SIGN MATCH: 100.0%
```

BYTE 17 | ASCII: '4' | Bit Pattern: 00110100

Found at 6 location(s)

SIGN PATTERN: -1 -1 +1 +1 -1 +1 -1 -1

CONSISTENCY: 100.0%

BIT-SIGN MATCH: 100.0%

BYTE 18 | ASCII: 'X' | Bit Pattern: 01011000

Found at 10 location(s)

SIGN PATTERN: -1 +1 -1 +1 +1 -1 -1 -1

CONSISTENCY: 100.0%

BIT-SIGN MATCH: 100.0%

BYTE 19 | ASCII: 'e' | Bit Pattern: 01100101

Found at 7 location(s)

SIGN PATTERN: -1 +1 +1 -1 -1 +1 -1 +1

CONSISTENCY: 100.0%

BIT-SIGN MATCH: 100.0%

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