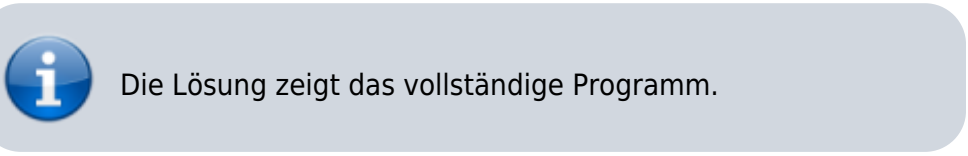
Lösung: Transpositions Chiffre




```
"""Simple Block Cipher Encryption Example."""
def encrypt():
    """
    Encrypts a string using a simple transposition
    """
    blocks = [] # List to hold the blocks of text DO NOT CHANGE

    plaintext = input('Klartext: ').upper().replace(' ', '')
    blocksize = int(input('Blockgrösse: '))
    padding = ' ' * blocksize
    plaintext += padding

    line_count = 0
    position = 0

    while (position + blocksize) < len(plaintext):
        blocks.append(plaintext[position:position + blocksize])
        line_count += 1
        position += blocksize

    chiffretext = ''
    position = 0
    while position < blocksize:
        line_count = len(blocks)-1
        while line_count >= 0:
            chiffretext += blocks[line_count][position]
            line_count -= 1
        position += 1


    print(plaintext)
    print(chiffretext)

    return blocks # DO NOT CHANGE


if __name__ == '__main__':
    encrypt()
```