

2020网鼎杯朱雀组九宫格writeup

原创

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订阅专栏

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打开题目是一对的二维码图片, 直接上代码:

```
import zxing
import os

filepath = r"D:\QRcode"
l = os.listdir(filepath)
l.sort(key=lambda x:int(x[:-4]))

t = ''
for i in l:
    reader = zxing.BarCodeReader()
    barcode = reader.decode(filepath+"\\")+i
    print(barcode.parsed)
    if(barcode.parsed == 'zero'):
        t = t + '0'
    else:
        t = t + '1'

print(t)
```

```
r1 = """010101010011001001000110011100110110010001000111010101100110101101100000110001001110010110101001010100
0110100001111000010101110111000101001011011011010101100101010100010110100101000000110001010110000011010001000001
0110011001110101010001100100101000101111001101110100011001101100011100010100100101000110001100010100101101001000
0101000101010100010100100011010101010011001101100011001101111010010011110110110111100101101111010100000110011
0011011001101110010110100110110001100001010011110111000100110100010110000011010001101011011000111011101010010
01110111011100010110001"""

print(r1)
```

```
a1 = r1[0:64]
a2 = r1[64:128]
a3 = r1[128:192]
a4 = r1[192:256]
a5 = r1[256:320]
a6 = r1[320:384]
a7 = r1[384:448]
a8 = r1[448:512]
a9 = r1[512:576]

x1 = ''
for i in range(8):
    x1 += chr(int(a1[8*i:8*(i+1)],base=2))

x2 = ''
for i in range(8):
    x2 += chr(int(a2[8*i:8*(i+1)],base=2))

x3 = ''
for i in range(8):
    x3 += chr(int(a3[8*i:8*(i+1)],base=2))
x4 = ''
for i in range(8):
    x4 += chr(int(a4[8*i:8*(i+1)],base=2))
x5 = ''
for i in range(8):
    x5 += chr(int(a5[8*i:8*(i+1)],base=2))
x6 = ''
for i in range(8):
    x6 += chr(int(a6[8*i:8*(i+1)],base=2))
x7 = ''
for i in range(8):
    x7 += chr(int(a7[8*i:8*(i+1)],base=2))
x8 = ''
for i in range(8):
    x8 += chr(int(a8[8*i:8*(i+1)],base=2))
x9 = ''
for i in range(8):
    x9 += chr(int(a9[8*i:8*(i+1)],base=2))

print(x1)
print(x2)
print(x3)
print(x4)
print(x5)
print(x6)
print(x7)
print(x8)
print(x9)

...
U2FsdGVk
X19jThxW
qKmYTZP1
X4AfuFJ/
7F1qIF1K
```

```
HQTR5S63
```

```
z0kyoX36
```

```
nZ1a0q4X
```

```
4k1wRwqa
```

```
U2FsdGVkX19jThxWqKmYTZP1X4AfuFJ/7F1qIF1KHQTR5S63z0kyoX36nZ1a0q4X4k1wRwqa
```

```
...
```

密文中由斜杠/猜测是rabbit加密

通过https://www.sojson.com/encrypt_rabbit.html

在线rabbit解密得到

flag{2c4fdc156fe74836954a05058c5d0382}