

99 lines (79 loc) · 4.73 KB

Preview

Code

Blame

Raw



IceCTF 2016 – Matrix

Problem

I like to approach problems with a fresh perspective and try to visualize the problem at hand.

Solution

Import the challenge file as a list of strings.

```
matrix = Import[  
  "https://play.icec.tf/problem-static/matrix_adf1a8f010f541cb171910f7afe1f86d41ce1669c51e318bb84c3c2e4397e2f4.txt",  
  "List"]
```



```
{ "0x00000000", "0xff71fefe", "0x83480082", "0xbb4140ba",  
  "0xbb6848ba", "0xbb4a80ba", "0x83213082", "0xff5556fe", "0xff5556fe",  
  "0x00582e00", "0x576fb9be", "0x707ef09e", "0xe74b41d6", "0xa82c0f16",  
  "0x27a15690", "0x8c643628", "0xbfcfb976", "0x4cd959aa", "0x2f43d73a",  
  "0x5462300a", "0x57290106", "0xb02ace5a", "0xef53f7fc", "0xef53f7fc",  
  "0x00402e36", "0xff01b6a8", "0x83657e3a", "0xbb3b27fa", "0xbb5eaeac",  
  "0xbb1017a0", "0x8362672c", "0xff02a650", "0x00000000" }
```



Convert each hex number to a list of binary digits.

```
binary = IntegerDigits[FromDigits[StringTrim[#, "0x"], 16], 2, 32] & /@ matrix
```





IceCTF{1F y0U l0oK c10s3lY EV3rY7h1N9 i5 1s 4nD 0s}

