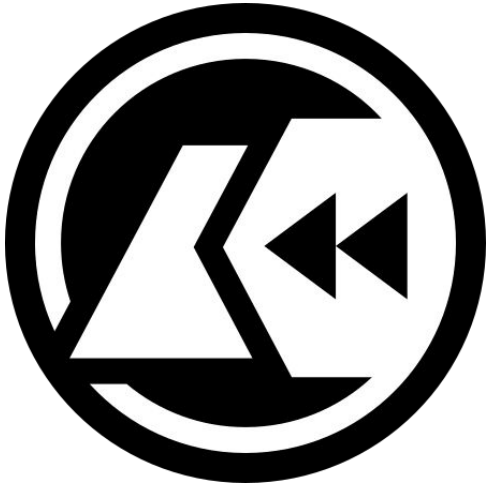


Cutter Training

r2con 2019

Training Materials: bit.ly/2m0dsbY

Introduction

Exercise 1: Tiny Vault

Download TinyVault.zip

This is a small crackme.
Find the correct input that will print “Welcome to the vault!”

Exercise 2: M1ghty Ransomware

Download M1ghtyRansomware.zip (password: “cutter”)

You are given with two files, a binary file and an encrypted image.
Your goal is to analyze the binary with Cutter, detect the encryption algorithms and the keys used to encrypt the flag.

Write a script to Decrypt the image and get the FLAG!

*try using the **Emulation** feature*

flag.png

M1ghtyRansomware.exe

Exercise 2: M1ghty Ransomware - **Hints**

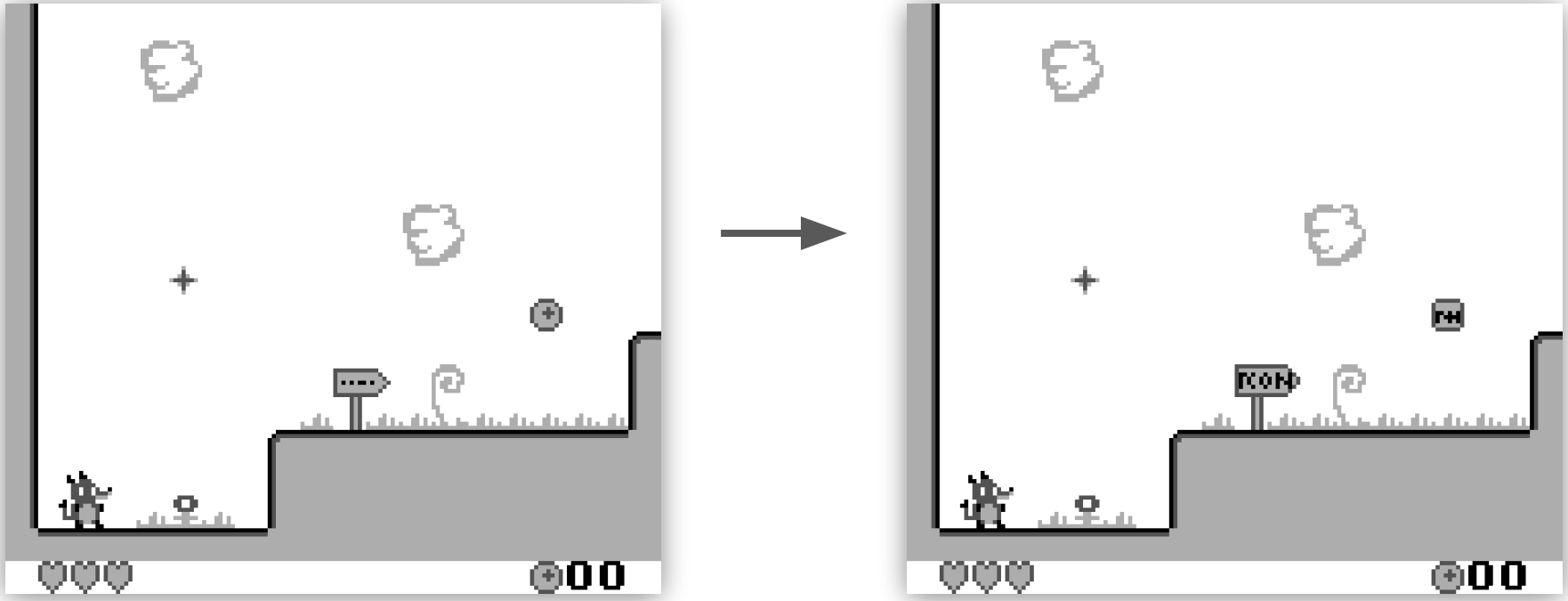
fcn.140001440 -> **Main Function**

fcn.1400012c0 -> **RC4**

fcn.140001090 -> **KSA** (part of RC4 Algorithm)

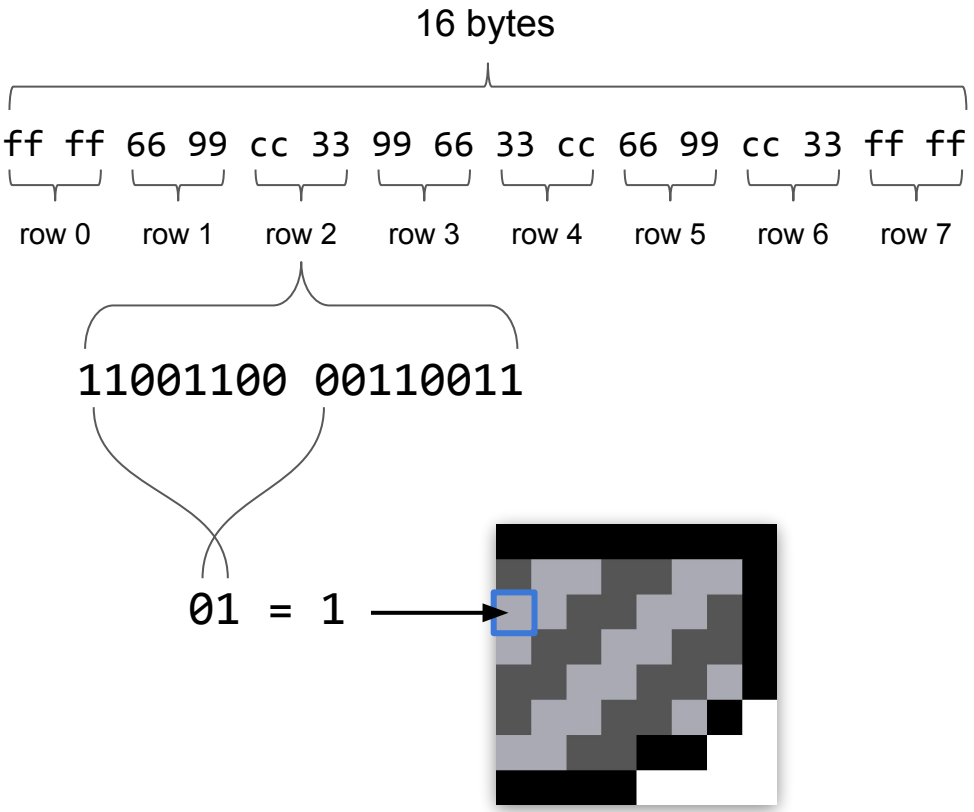
fcn.140001190 -> **PRGA** (part of RC4 Algorithm)

Exercise 3: Gameboy



2BPP

http://www.huderlem.com/demos/gameboy2bpp.html




```
p6e 0x10
```

```
import base64
a = base64.b64decode(b)
b = base64.b64encode(a)
```

```
w6d <base64>
```