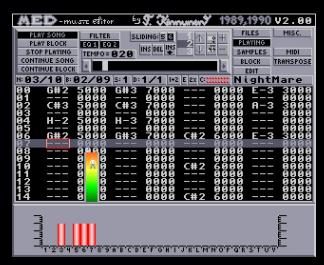


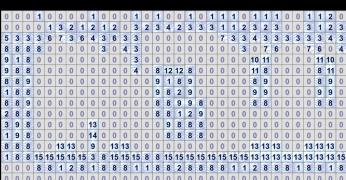
FANTASY CONSOLE

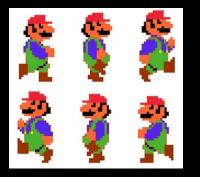


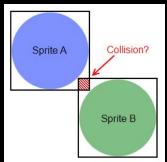
BRSE CONCEPTS

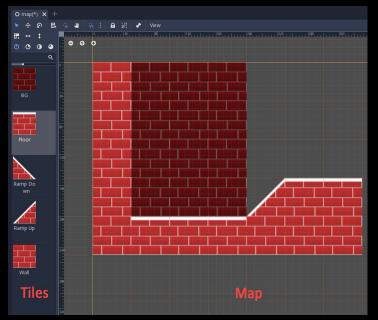
- SPRITE
- SPRITESHEET
- TILE
- TILEMAP
- ASSETS
- SFX
- FRAMERATE
- COLLISION
- MUSIC TRACKER











SPECIFICATION

DISPLAY SIZE: 128X128 PX

PALLET: 16 COLOURS

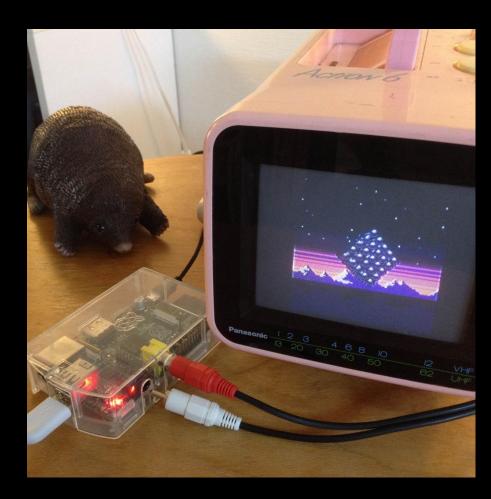
CARTRIDGE: 32K

LANGUAGE: SUBSET OF LUA

SPRITE SIZE: B PX

SPRITESHEET: 128 SPRITES

MAP: 128X32 B-BIT CELS



```
o
00030+
   S, B = 1, "S", TRUE
TRUE THEN PRINT("♥") END
n.
If
   CTRUE) PRINT("A")
PRINT(H"UORO")
    STRING CONCRTENATION
PRINT("HELLØ ". "WØRLD")
FOR I=1, 5 DO
PRINT(I)
END
```

FUNCTION PLUSONE(X)

 $= \times + 1$

LÖCAL Y RETURN Y END

-- LIST LIKE -- INDÉXES STARTS AT 1! T = {1, TRUE, "♥"} PRINT(T[1]) -- 1

00009 +

-- DICTIONARY LIKE T = {X=1, Y=2} PRINT(T.X) -- 1

-- CLASS LIKE FUNCTION T:UPDATE()
SELF.X += 1

END

```
THE CARTRIDGE LOAD
END
END
END
```

```
LÖVE 2d game engine
    -- dt is a deltaTime
    function love.load(arg)
    function love.update(dt)
    function love.draw(dt)
10
```

```
1  // KontraJS tiny 2d game engine
2  kontra.init();
3
4  Let loop = kontra.gameLoop({
5    update: function() {
6    // update the game state
7    },
8    render: function() {
9    // render the game state
10    }
11  });
12
13  loop.start();
```

```
HEIGHT = 16

## = {X=24/

## = {X=48/
                                                               0
                                                       COL=33
                                       9==#;
     FUNCTION -UPDRITE()
IF (BIN(I)) bd.8
IF (BIN(I)) bd.8
IF (BIN(I)) bd.9
IF (BIN(I)) bd.9
ENG
                                                        11 11 11
FUNCTION _DRRW()
CLS()
RECT(++)
RECT(+++)
END
```





```
TWO = {X = b4, 4 = b4}

FUNCTION _UPDATE()

IF (BINP(0)) bwd.X -= 8

FUNCTION _DRHW()

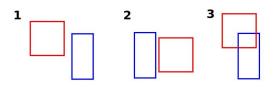
CLS()

REPCO, D, B, B, Lb, Lb)

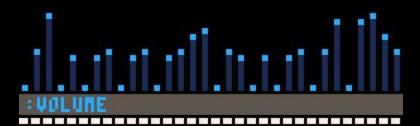
SPRC16, bwd.X, bwd.4)

End
```









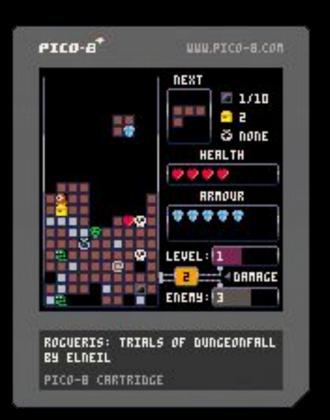


EXPORTING AND DISTRIBUTING

- 1. AS A CARTRIDGE
- 2. AS HTML + IS CODE
- 3. BINARY (EXECU<u>TABLE)</u>

EXPORTING ASSETS

- MUSIC AND SFX AS WAV FILES
- SPRITESHEETS



HARDWARE

- 1. POCKET CHIP
- 2. RASPBERRY PI
- 3. CRMESHELL











NUSIO

GRUBERT IS CREATING
ALBUMS OF MUSIC IN PICO-B
AND MAKING COVERS ON POPULAR
MUSIC FROM OLD GAMES.





CELESTE

30 LEVELS
HARDCORE PLATFORMER
RELEASED IN 2018
ON WINDOWS, LINUX, MACOS
PS4, XBOX ONE, SWITCH

IGN: 10/10

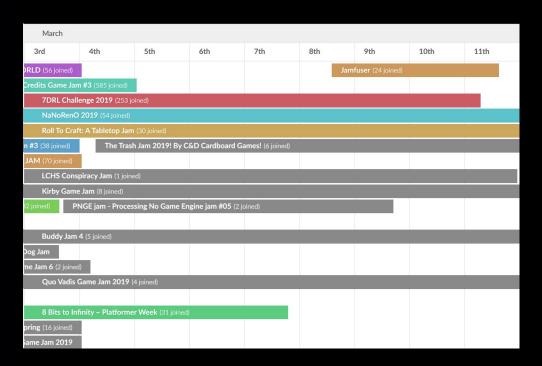
CRMESPOT: 9/10

GRME INFORMER: 9/10



COMMUNITY

- 1. BBS
 - DEVELOPED BY ZED
 - IS R FORUM SYSTEM
 INTEGRATED WITH PICO-B SPLORE
- 2. ITCH.IO
 - OVER 1228 PUBLISHED GAMES CREATED IN PICO-8 AS OF TODAY
 - HAVE A GAME JAMS CALENDAR



ALTERNATIVES

- 1. TIC-80
 - OPENSOURCED
 - 240X135 DISPLRY
 - 256 8X8 SPRITES
- 2. PICOLOVE
 - FORK OF PICO-8 IDERS VIR LOVE API
- 3. PYXEL
 - PYTHON 3
- 4. UNICORN CONSOLE (PREV PXB)
- 400X240 PIXELS DISPLAY
- 3200 BXB SPRITES
- CODE: RUST/JS/PYTHON/LUA



PROS AND CONS

PROS:

- CONSTRAINS
- RETRO LOOK AND FEEL
- ECOSYSTEM
- ACTIVE COMMUNITY
- "SHARE AND HACK" CULTURE
- COMPLETE TOOLCHRIN

cons:

- CLOSE SOURCED
- UNREADABLE FONT but
- NO ONLINE SCORE BOARD (YET)

QUESTIONS?



SPLORE

SMALL UTILITY TO BROWSE AND PLAY ALL CARTS PUBLISHED TO FORUM FROM THE PICO-B APP.

PICO-8

PICO-8 0.1.6 (C) 2014-16 LEXALOFFLE GAMES LLP TYPE HELP FOR HELP

STORY BEHIND

CREATOR: JOSEPH WHITE

LOCATION: PICO PICO CAFE,

TOKIO, JAPAN

1. LEX500

2. VOXATRON

3. PICO-B









