5-4 Console project 8BIT COLORS REPRESENTED BY THEX DIGIT (16 PIFF COLDRS) 2078 pyler RAM (reserved for ROM) i REG UZG 26USABLE S-Registers 7PC26BIT di SCREEN 6UX64 DT = COUNTED ONES PER FRAME KEY LAYOUT 6 keyo in total

instructions would be 213 y tes like chip-8 0×0000 $E \times : 7 \times 47 \longrightarrow 7547 \longrightarrow 5(6) + 25(7)$ メ 5x+=55

EMU SPECIFICS

Front end; SDL2

Back end : custom rust crate

BAMEROM - SPRITES
-Game code

menory map

NOTE REGISTERS
whould be used to store game
data like positions

2028 bytes

SPRITE ROM 572 Bytes
ROM -0 Bytes

the 5-8 console nelly 2 ROM
Siles, the sprite file and the game rom file
geme rom file
these would be loadedinter memory on start
memory on start
Sprite structure
spriterare a fixed rise 8x8
CEY) 1 Dyle
767676767676860XFFFFFFF 9 7 2600000000000000000000000000000000000
7HEX = color of nicel
nun = color
8.4 Bytes = 32 Bytes per sprite that means that we have space for 32 sprites
that means were we wave repaired

Color representation

```
0x0 => {
  Color::RGB(0, 0, 0)
},
0x1 => {
  Color::RGB(244, 67, 54)
0x2 => {
  Color::RGB(156, 39, 176)
},
0x3 => {
  Color::RGB(103, 58, 183)
0x4 => {
  Color::RGB(63, 81, 181)
0x5 => {
  Color::RGB(33, 150, 243)
0x6 = > {
  Color::RGB(3, 169, 244)
0x7 => {
  Color::RGB(0, 188, 212)
},
0x8 => {
  Color::RGB(0, 150, 136)
},
0x9 => {
  Color::RGB(76, 175, 80)
},
0xA => {
  Color::RGB(139, 195, 74)
0xB => {
  Color::RGB(205, 220, 57)
0xC => {
  Color::RGB(255, 235, 59)
0xD => {
  Color::RGB(255, 193, 7)
},
0xE => {
  Color::RGB(255, 87, 34)
},
0xF => {
  Color::RGB(255, 255, 255)
```

```
},
_ => {
    Color::RGB(0, 0, 0)
}
```