

Twitter Thread by foone



foone

@Foone



I was hacking a game and accidentally invented a word for when you think someone is trans and you're proud of them for coming out but then you find out they aren't



someone is excited to watch bill nye in science class



This happens because one of the ways I figure out which memory location needs to be modified is by memory-searching for all occurrences and changing the first letter of them

so like if I know the next line of dialog is "Die"
I change it to "Aie" "Bie" "Cie" "Eie" "Fie"

then I see which one shows up in the game

the next step is to find bracket characters.

My go-to one is | but you would be surprised how many games do not bother having a | glyph.

So I go for ! or .

this game I'm doing ".



I need bracket characters because I don't just need the pixels of the glyphs from the game, I need their width too. So by having consistent bracketing letters, I can visually search for them

because like ".i." and ".W." will have the dots different distances apart

FAST LETTERS

A screenshot showing a game emulator window on the left and a terminal window on the right. The emulator window displays the same character and text input field as in the previous image, but with a menu bar (File, Emulation, View, Config, Tools, NeoGeo Pocket, Help) and a save slot indicator at the bottom. The terminal window shows a Python script named 'snkgals.py' being executed multiple times. The first execution results in a 'NameError: name 'KEY_x' is not defined'. Subsequent executions show the script successfully capturing three PNG files: 'captures_snkgals\0097.png', 'captures_snkgals\0098.png', and 'captures_snkgals\0099.png'.

```
cmd
Traceback (most recent call last):
  File "snkgals.py", line 88, in <module>
    keyboard.press(KEY_x)
NameError: name 'KEY_x' is not defined

(venv) D:\avfe>python snkgals.py 0x45b4
5573720
captures_snkgals\0097.png
captures_snkgals\0098.png
captures_snkgals\0099.png

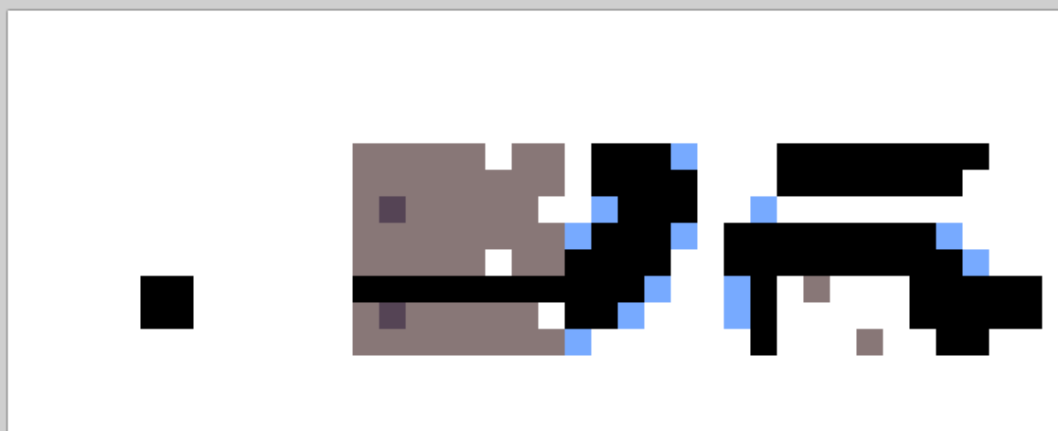
(venv) D:\avfe>python snkgals.py 0x45b4
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(venv) D:\avfe>
```

that sure is a letter



good news: it turns out this font is monospaced
so I don't have to extract the widths