



B2 - Stumpers

B-CPE-210

Crocus

Duo Stumper





Crocus

binary name: `crocus`
repository name: `CPE_duostumper_$STUMPERNUMBER_$ACADEMICYEAR`
repository rights: `ramassage-tek`
language: `C`
compilation: `via Makefile, including re, clean and fclean rules`



- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).



The `$STUMPERNUMBER` is always on one digit: 1, 2, ...



For this project, the **only** authorized functions are those of the standard `libc`.

The Crocus Cafe is having a crisis: their receipt printer is broken.

After replacing it, they can no longer print the order numbers on the receipts. This is the cause of a an agonizing lack of organization during the lunch rush, when rather strange things can be witnessed.

To help them write a program that can print order numbers in a customizable way?



Usage: `./crocus -n number [-s string]`

- **-n number**: the number to display in “ASCII art”, it must be `>=0`
- **-s string**: each digit will be represented by the character from `string` whose index is the digit (modulo the size of `string`). Default: `'0'` (zero).

Here's what your digits must look like:

```
Terminal
~/B-CPE-210> ./crocus -n 0123456789 | cat -e
000 000 000 0000 00 00000 000 00000 000 000 $
0 0 0 00 0 0 0 0 0 0 0 0 0 0 0 $
0 0 00 0 000 0 0 0000 0000 0 000 0000$
0 0 00 0 0 00000 0 0 0 0 0 0 0 $
000 0000 00000 0000 0 0000 000 0 000 000 $
```



```
Terminal
~/B-CPE-210> ./crocus -n 1 | cat -e
000 $
0 00 $
  00 $
  00 $
0000$

~/B-CPE-210> ./crocus -s "astek" -n "0453" | cat -e
aaa   kk   aaaaa eeee $
a   a  k k  a       e$
a   a k  k  aaaa   eee $
a   a kkkkk   a     e$
aaa   k   aaaa  eeee $

~/B-CPE-210> ./crocus -n "astek" &>/dev/null; echo $?
84
```