PA 4-3 实验报告

221220085 时昌军

移植打字小游戏

```
ltin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
           L
                                     /lib/syscall.o src/common/lib/syscall.c
                                     ltin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
      Ν
                                     /device/font.o src/common/device/font.c
                                     ltin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
                                     /device/audio.o src/common/device/audio.c
                                      tin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
                                     /device/timer.o src/common/device/timer.c
                                     ltin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
                                     /device/video.o src/common/device/video.c
                                     ltin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
                    -c -o src/common/device/palette.o src/common/device/palette.c
rc/typing/include
gcc -m32 -MMD -Wall -Werror -fno-builtin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
rc/typing/include
                   -c -o src/typing/draw.o src/typing/draw.c
gcc -m32 -MMD -Wall -Werror -fno-builtin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
rc/typing/include
                   -c -o src/typing/game.o src/typing/game.c
gcc -m32 -MMD -Wall -Werror -fno-builtin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
rc/typing/include -c -o src/typing/keyboard.o src/typing/keyboard.c
gcc -m32 -MMD -Wall -Werror -fno-builtin -fno-omit-frame-pointer -fno-stack-protector -I./include -I
rc/typing/include  -c -o src/typing/effect.o src/typing/effect.c
ld -melf i386 -e game init -o game src/common/main.o src/common/lib/syscall.o src/common/device/fon
device/timer.o src/common/device/video.o src/common/device/palette.o src/typing/draw.o src/typing/ga
ect.o ../libs/newlib/libc.a
dd if=/dev/null of=game seek=2048
0+0 records in
0+0 records out
0 bytes copied, 0.000118127 s, 0.0 kB/s
cat `find ./data/typing/ -type f | sort` >> game
make-[1]: Leaving directory '/home/pa221220085/pa_nju/game'
./nemu/nemu --test-game 221220085 --kernel --autorun
NEMU load and execute img: ./kernel/kernel.img elf: ./game/game
[src/main.c,82,init_cond] {kernel} Hello, NEMU world!
[src/elf/elf.c,26,loader] {kernel} ELF loading from hard disk.
[src/common/main.c,19,game_init] {game} game start!
```

仙剑遇到了bug,没有完成。