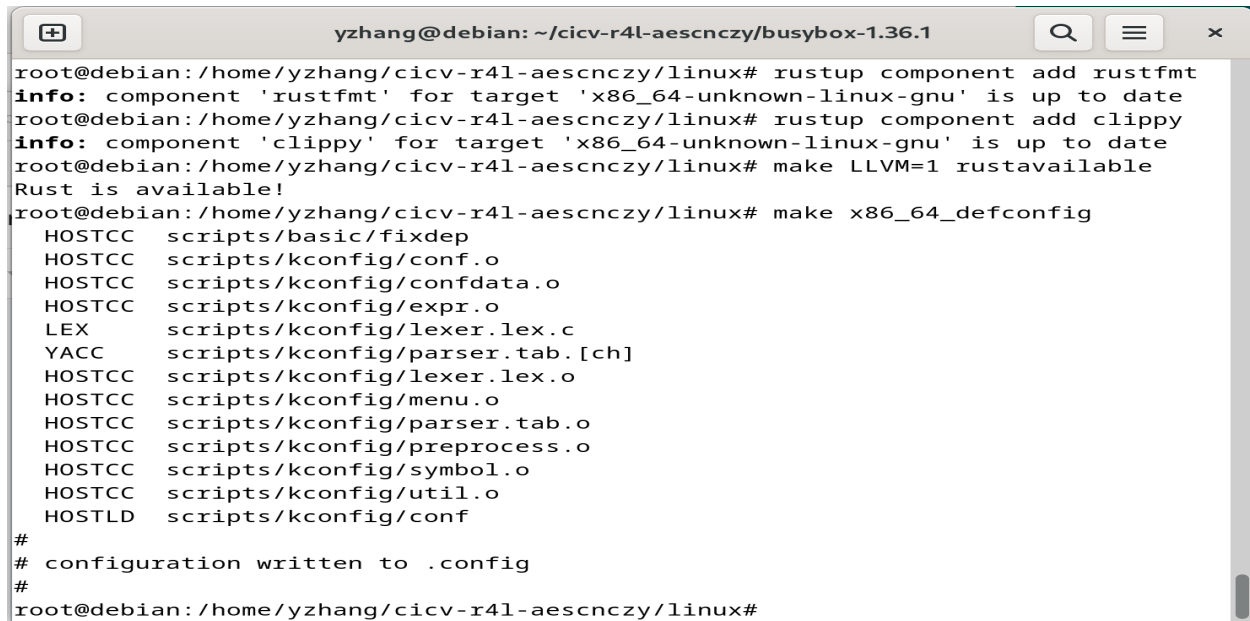


环境: VMware Workstation Pro 17 +debian-12.2.0-amd64

作业 1: 编译 Linux 内核

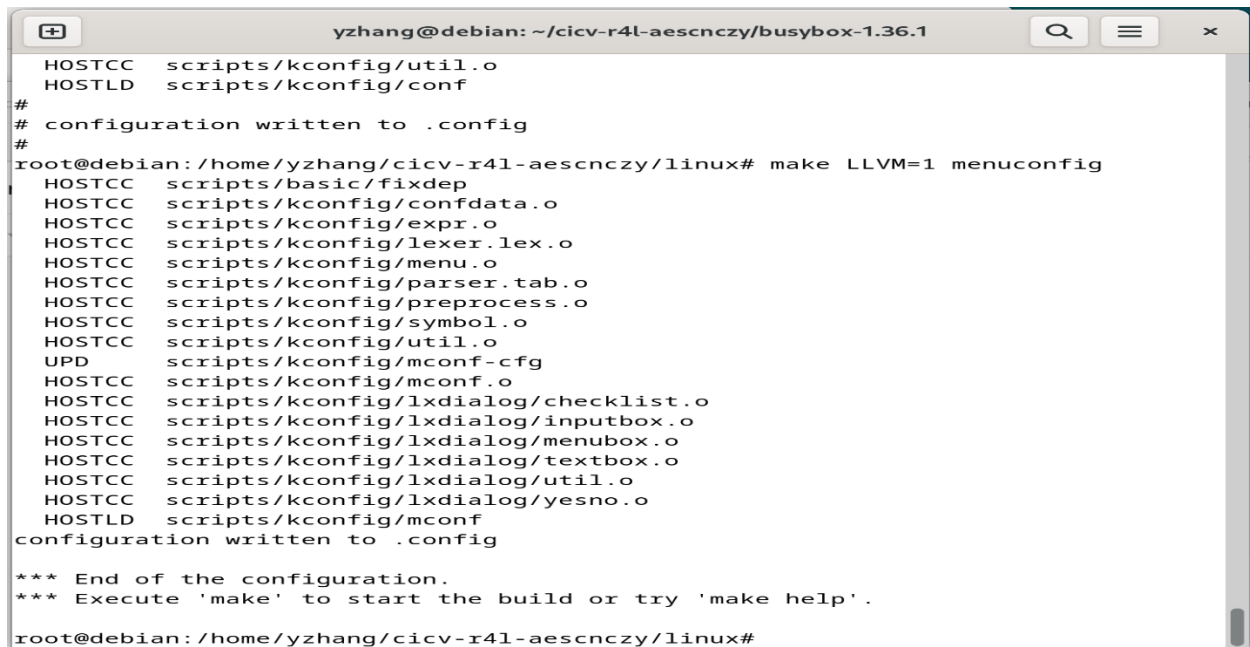
进入 Linux 文件夹, 使用如下命令进行编译:

make x86_64_defconfig



```
y Zhang@debian: ~/cicv-r4l-aescnczy/busybox-1.36.1
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux# rustup component add rustfmt
info: component 'rustfmt' for target 'x86_64-unknown-linux-gnu' is up to date
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux# rustup component add clippy
info: component 'clippy' for target 'x86_64-unknown-linux-gnu' is up to date
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux# make LLVM=1 rustavailable
Rust is available!
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux# make x86_64_defconfig
HOSTCC scripts/basic/fixdep
HOSTCC scripts/kconfig/conf.o
HOSTCC scripts/kconfig/confdata.o
HOSTCC scripts/kconfig/expr.o
LEX scripts/kconfig/lexer.lex.c
YACC scripts/kconfig/parser.tab.[ch]
HOSTCC scripts/kconfig/lexer.lex.o
HOSTCC scripts/kconfig/menu.o
HOSTCC scripts/kconfig/parser.tab.o
HOSTCC scripts/kconfig/preprocess.o
HOSTCC scripts/kconfig/symbol.o
HOSTCC scripts/kconfig/util.o
HOSTLD scripts/kconfig/conf
#
# configuration written to .config
#
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux#
```

make LLVM=1 menuconfig



```
y Zhang@debian: ~/cicv-r4l-aescnczy/busybox-1.36.1
HOSTCC scripts/kconfig/util.o
HOSTLD scripts/kconfig/conf
#
# configuration written to .config
#
root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux# make LLVM=1 menuconfig
HOSTCC scripts/basic/fixdep
HOSTCC scripts/kconfig/confdata.o
HOSTCC scripts/kconfig/expr.o
HOSTCC scripts/kconfig/lexer.lex.o
HOSTCC scripts/kconfig/menu.o
HOSTCC scripts/kconfig/parser.tab.o
HOSTCC scripts/kconfig/preprocess.o
HOSTCC scripts/kconfig/symbol.o
HOSTCC scripts/kconfig/util.o
UPD scripts/kconfig/mconf-cfg
HOSTCC scripts/kconfig/mconf.o
HOSTCC scripts/kconfig/lxdialog/checklist.o
HOSTCC scripts/kconfig/lxdialog/inputbox.o
HOSTCC scripts/kconfig/lxdialog/menubox.o
HOSTCC scripts/kconfig/lxdialog/textbox.o
HOSTCC scripts/kconfig/lxdialog/util.o
HOSTCC scripts/kconfig/lxdialog/yesno.o
HOSTLD scripts/kconfig/mconf
configuration written to .config

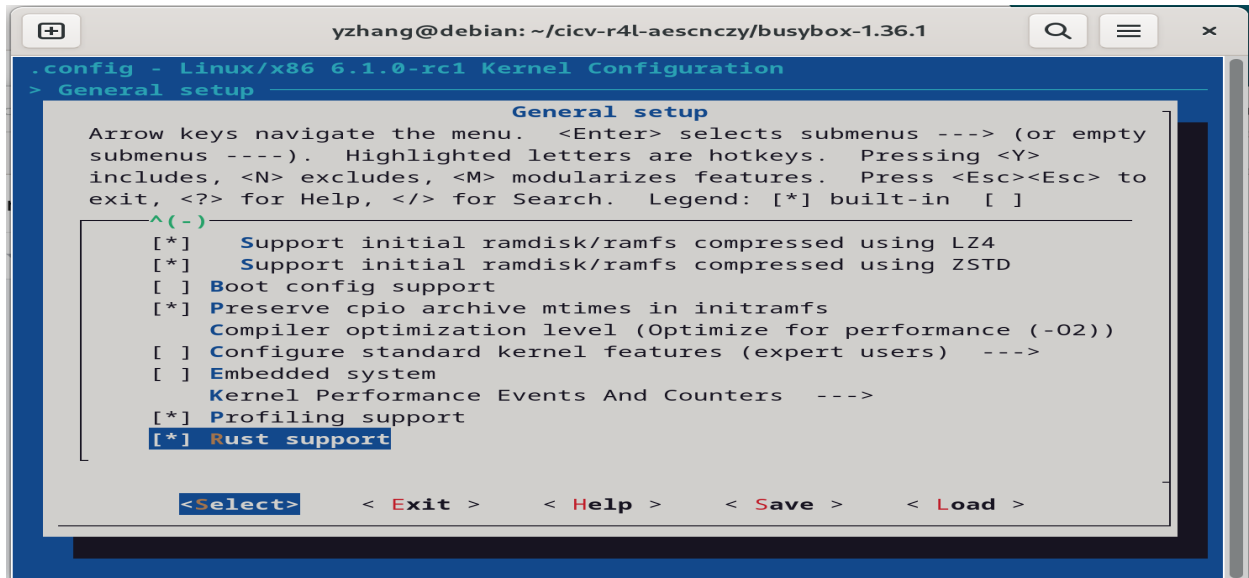
*** End of the configuration.
*** Execute 'make' to start the build or try 'make help'.

root@debian: /home/y Zhang/cicv-r4l-aescnczy/linux#
```

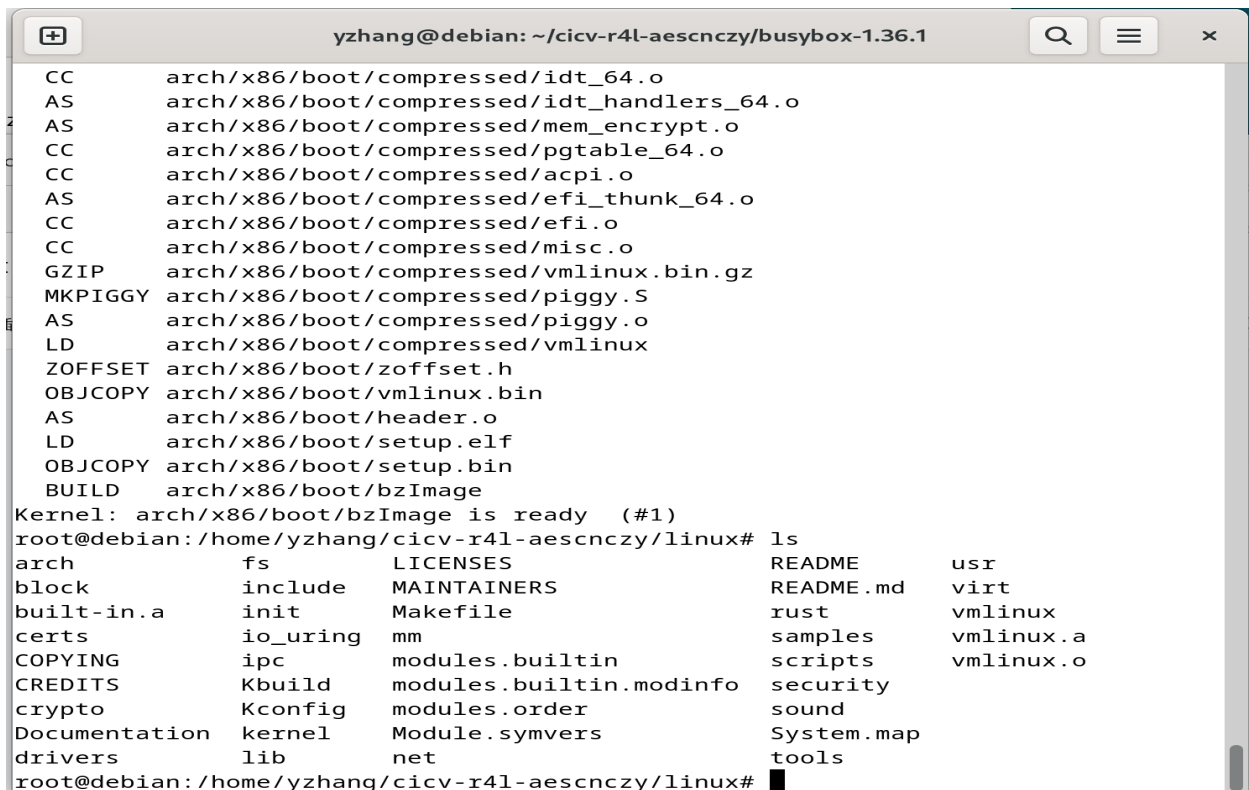
#set the following config to yes

General setup

---> [*] Rust support



make LLVM=1 -j\$(nproc)



在最后你将在 Linux 文件夹下，得到一个 vmlinux 的文件，那么就算成功了

