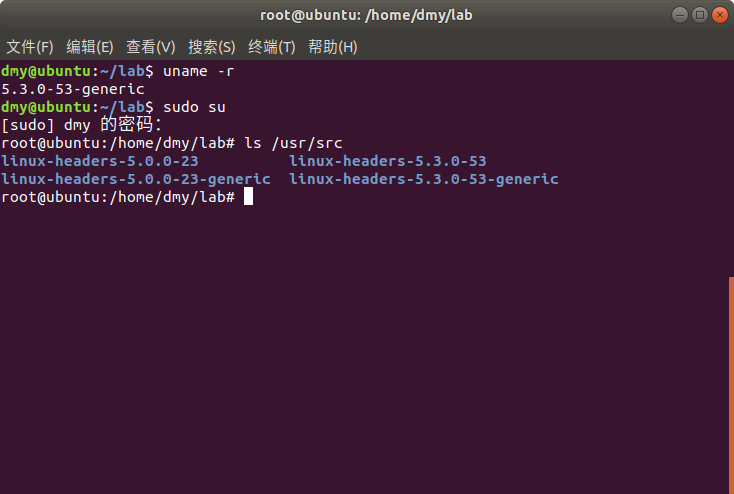
实验三 安装、配置、编译Linux内核

## 实验内容

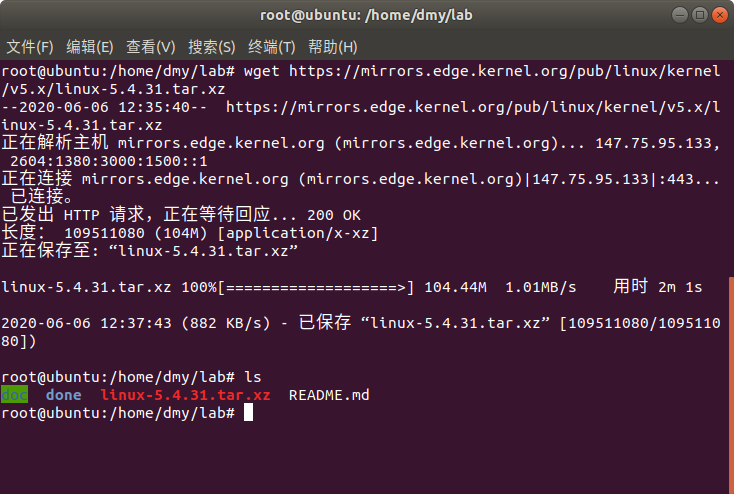
安装、配置、编译Linux内核

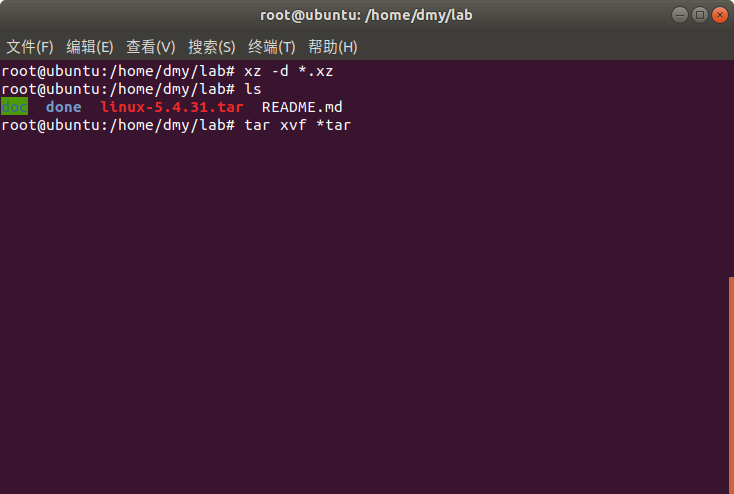
## 实验步骤

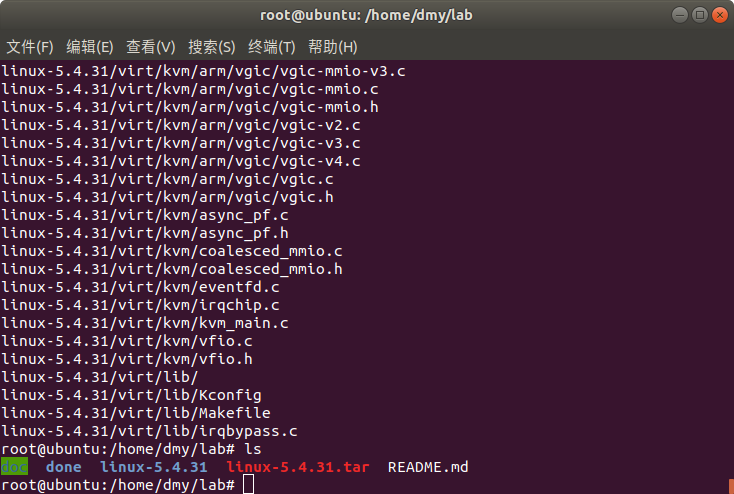
1. 查看内核版本



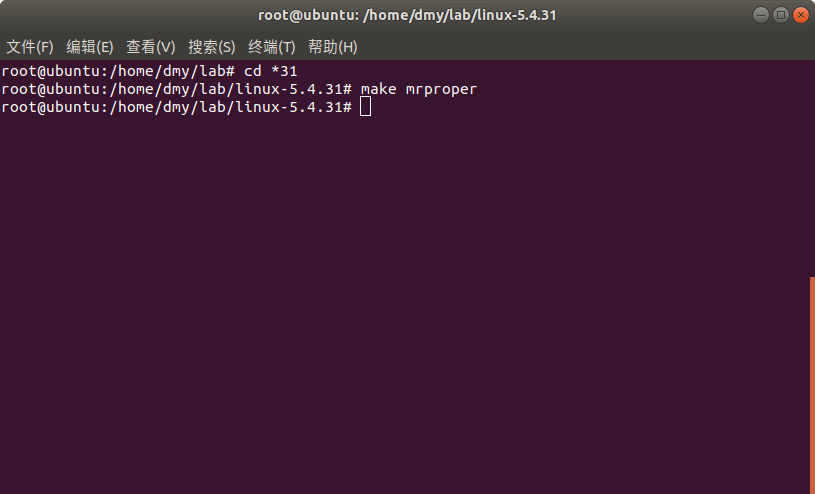
1. 下载Linux内核5.4.31源码包并解压







1. 配置内核

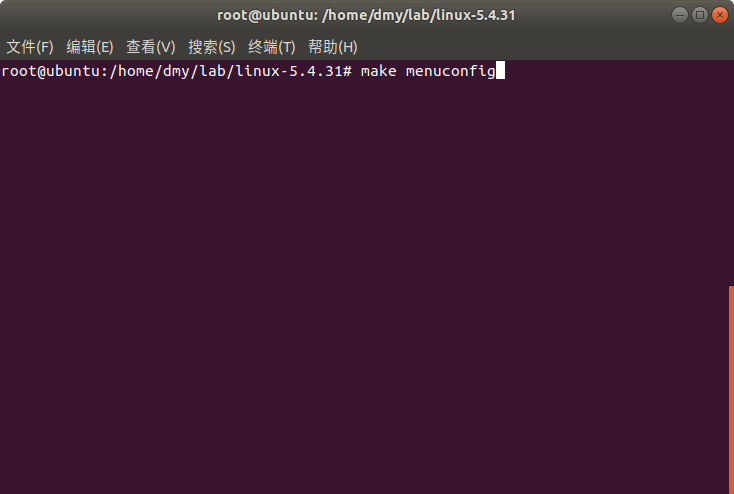


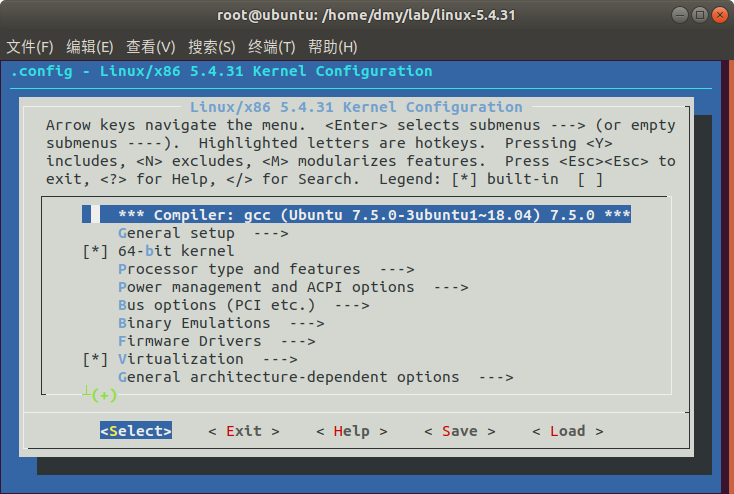
安装组件

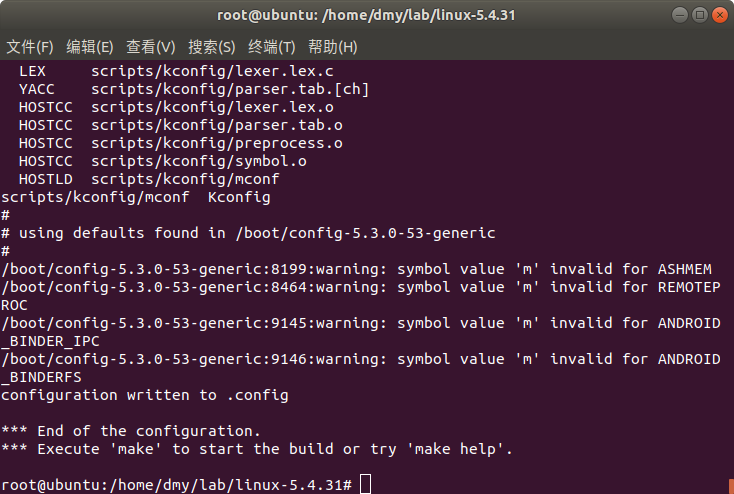
sudo apt-get install libncurses5-dev flex bison

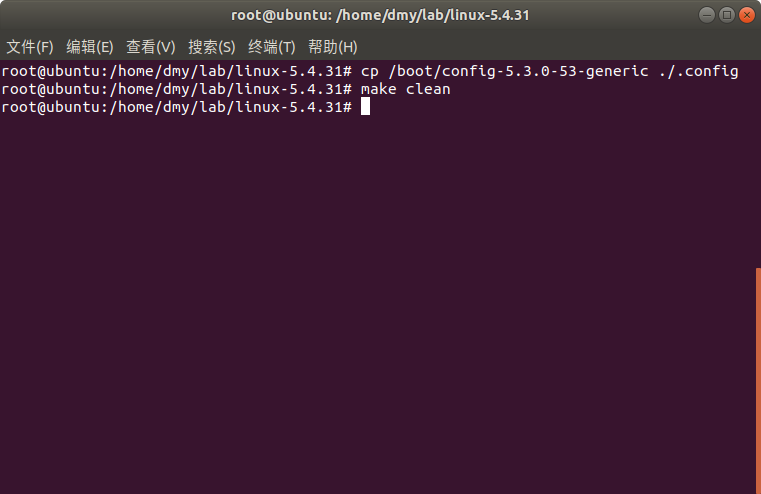


继续配置







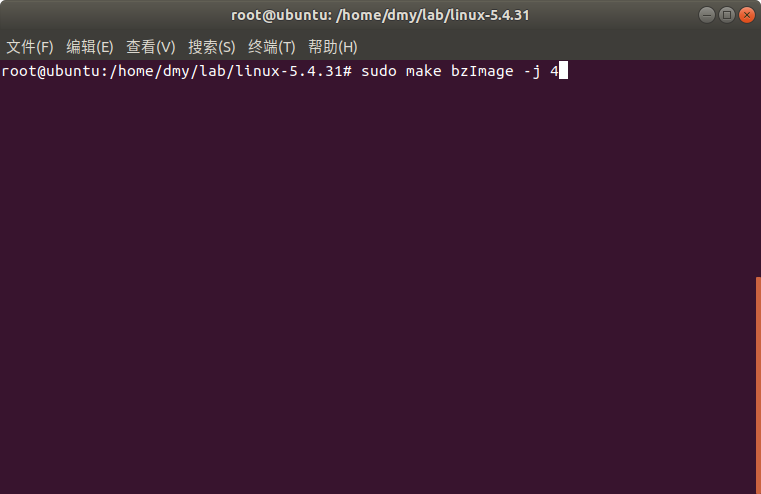


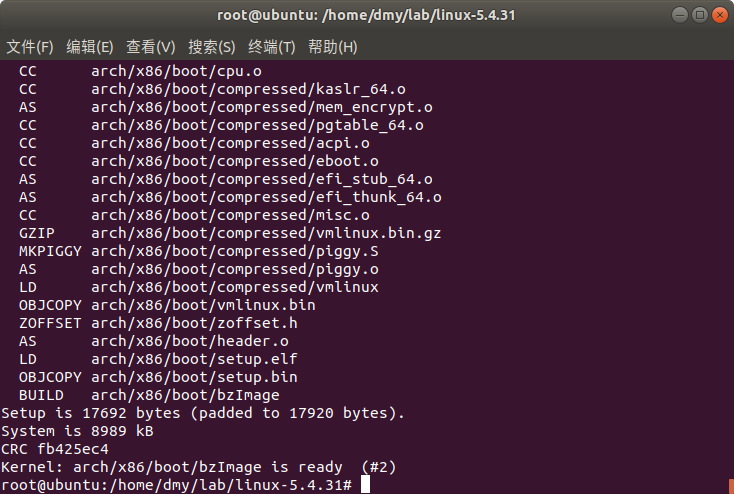
再安装组件 sudo apt-get install libssl-dev



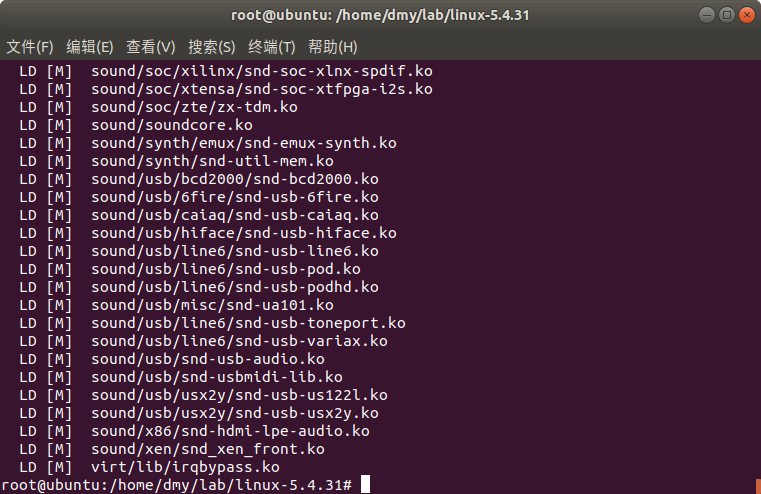
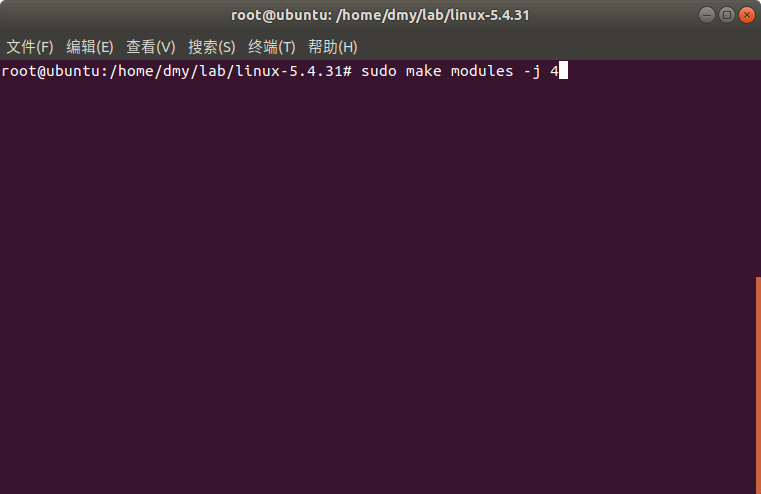
1. 编译内核

制作镜像

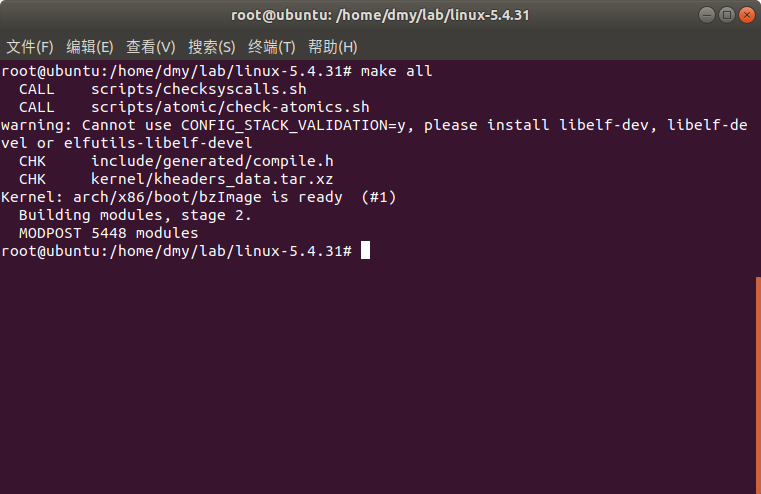




编译模块到内核

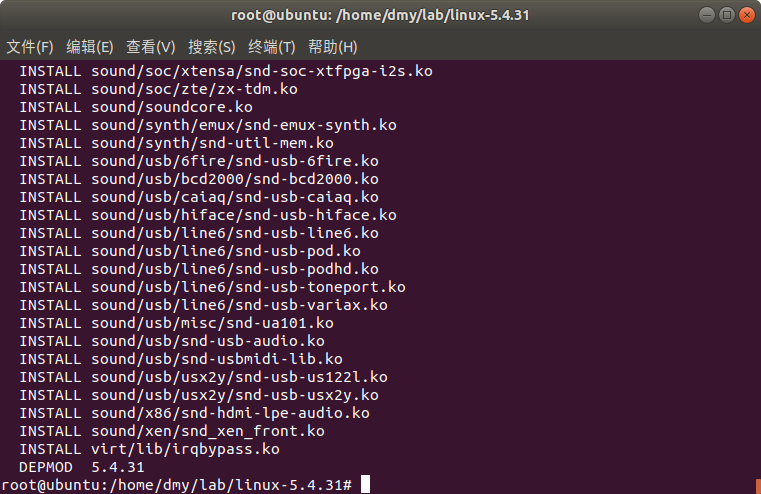
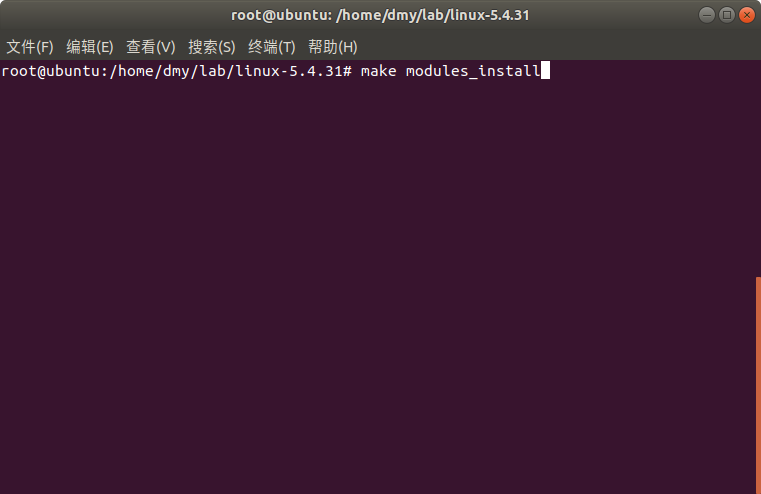


注：直接make all的效果如下

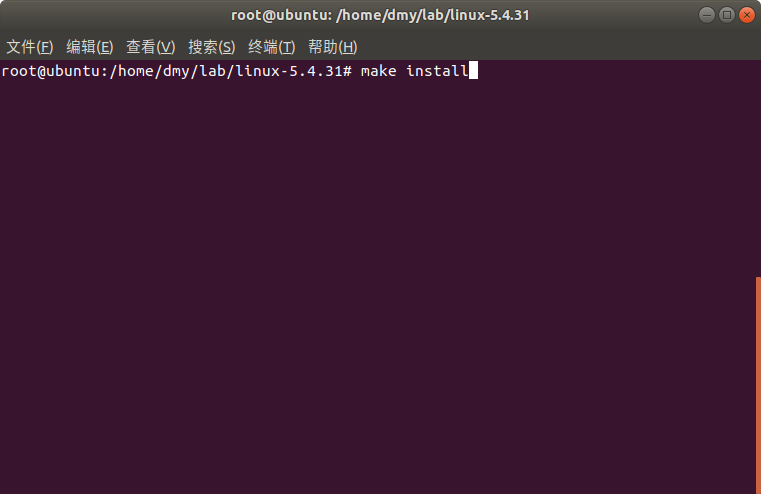


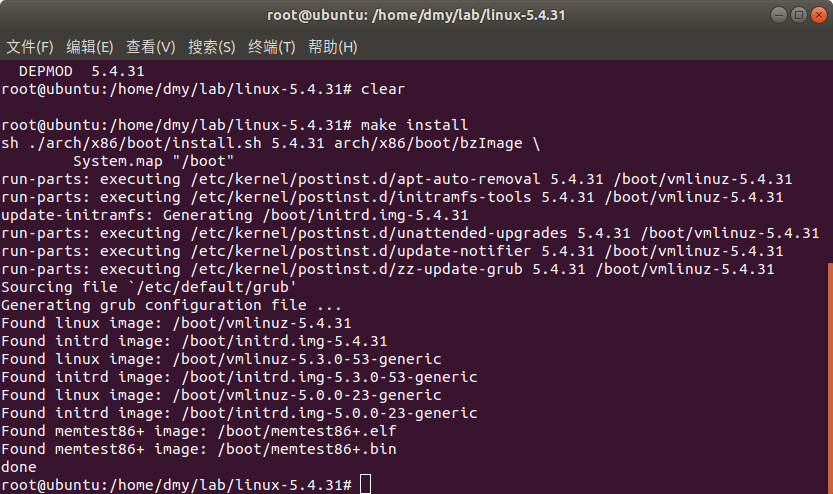
1. 安装新内核

安装模块



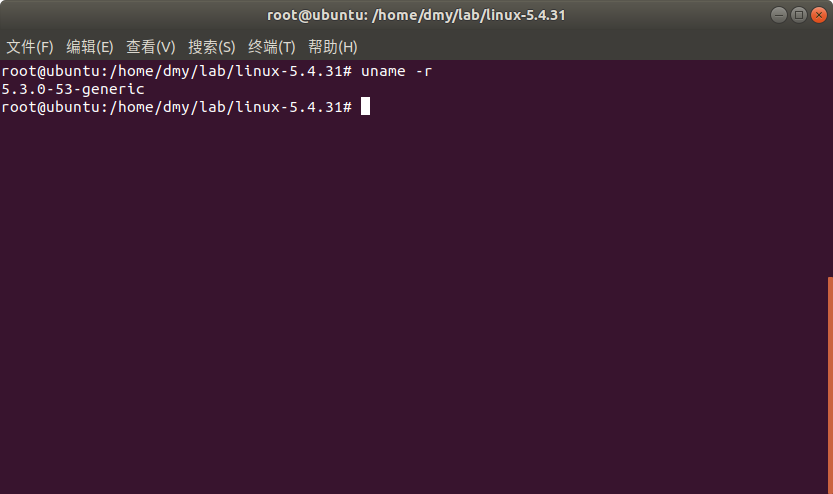
再安装





1. 重启使用新内核

重启前查看内核版本



重启后查看

