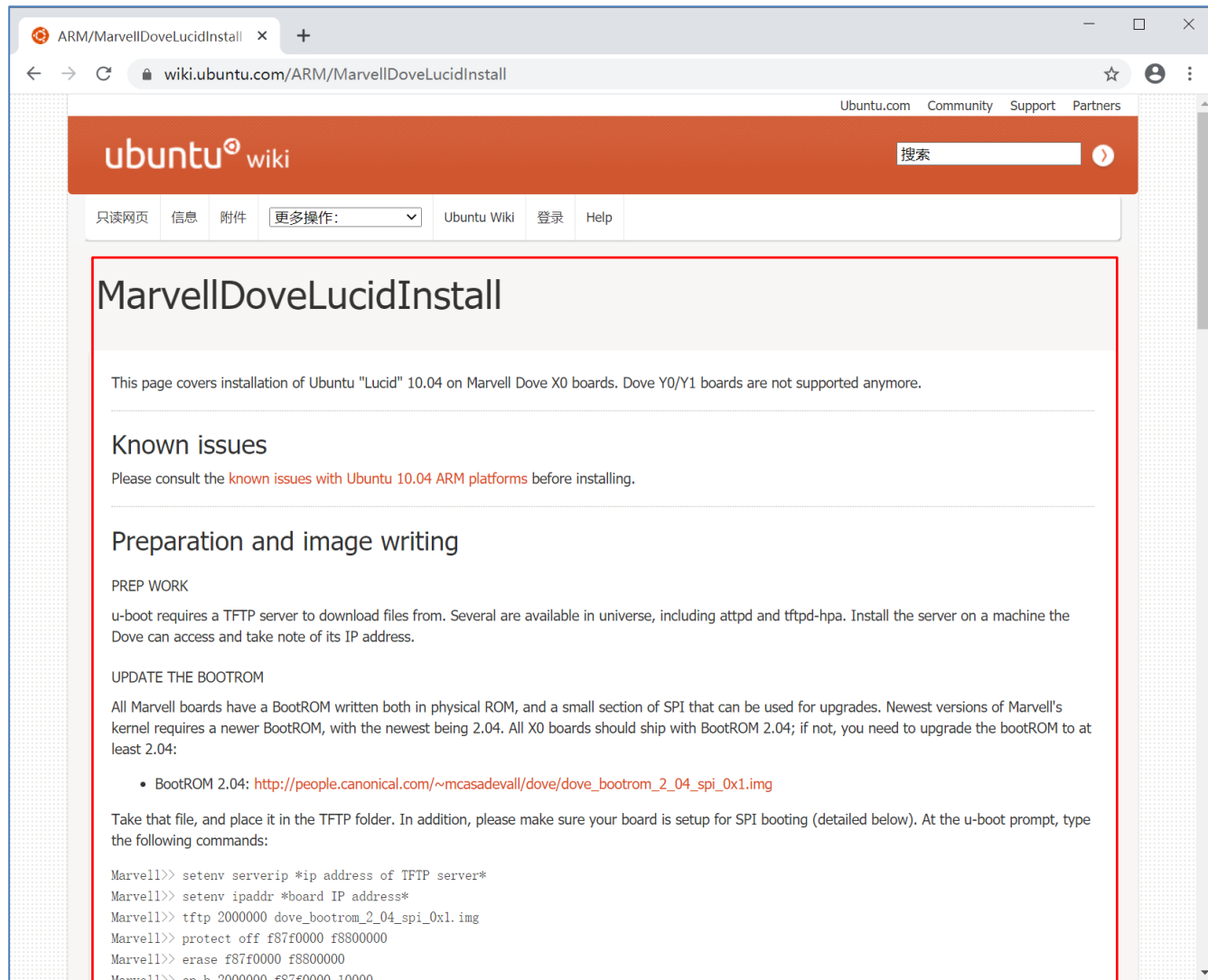
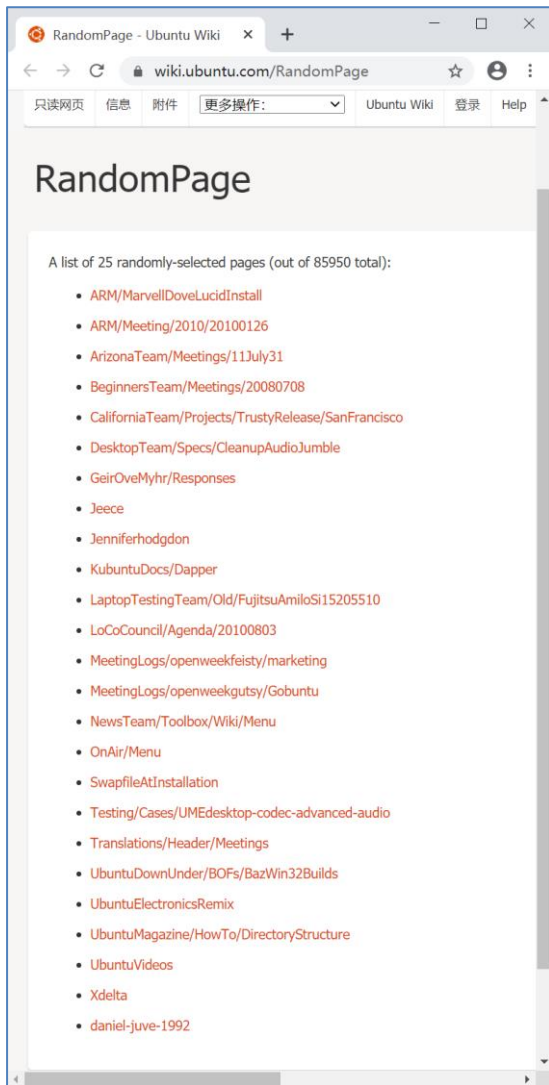
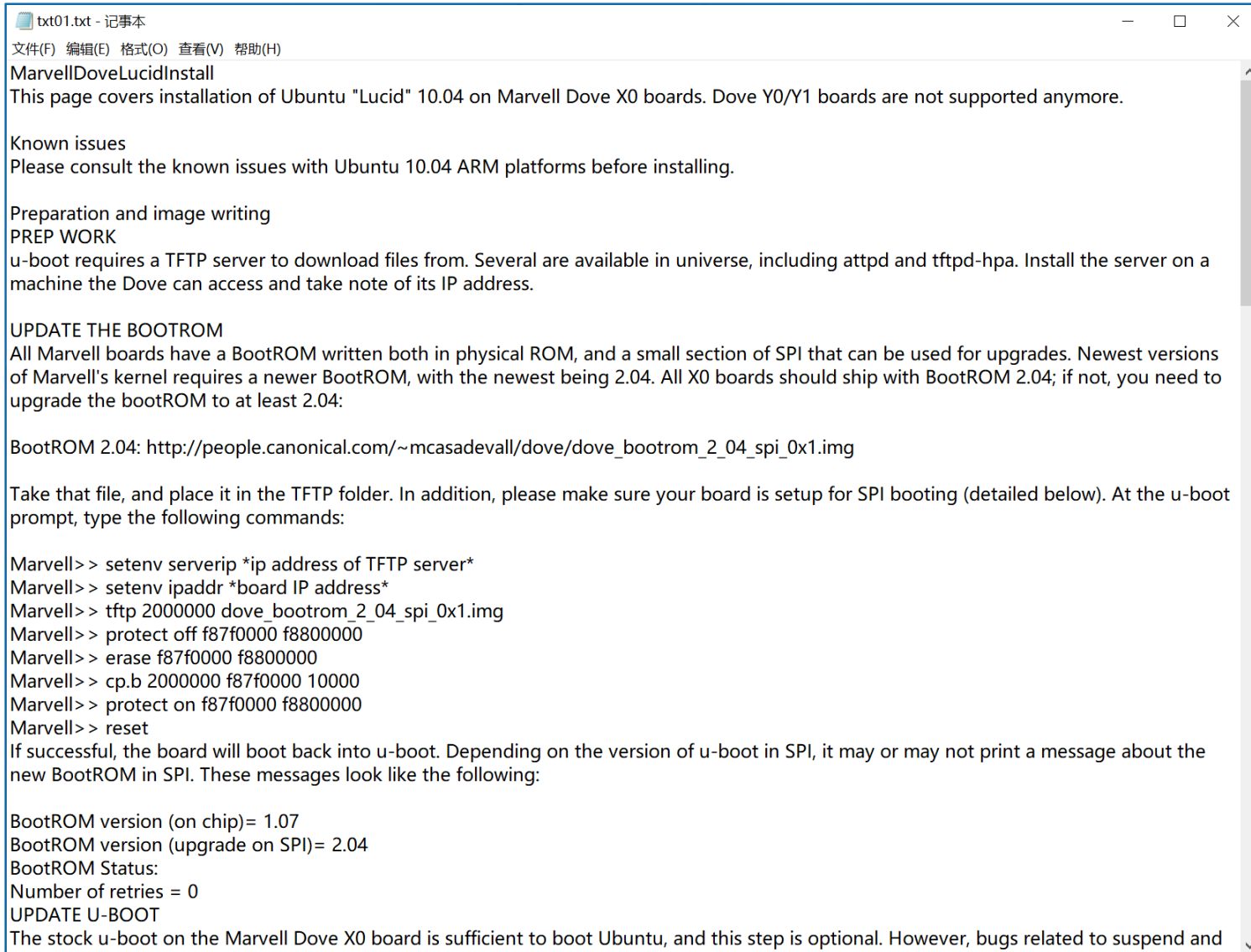


创新性探索课题

- 课题：利用概率统计方法实现英语文本压缩（**具体标题可更改**）
- 数据集：<https://wiki.ubuntu.com/RandomPage>选中的随机页面
- 自由组队（1~4人/队，TA将收集组队名单）
- 要求：
 - 1）通过调研文献资料寻找基于概率统计的英文文本压缩方法, 尝试改进;
 - 2）编程实现该算法并测试，以实现高压缩比(最终检验将采用若干ASCII码的文本文件，检测平均压缩率);
- 完成时间：2020年12月13日，要求提交**实践报告**（采用指定模板“\课程实践\实践报告.docx”）及**源代码**（附编译说明）、**可执行程序**（要求可在其他PC上运行，压缩时执行方式为命令：**ziptxt <源文件名> <压缩文件名>**，解压时执行方式为命令：**unziptxt <压缩文件名> <解压后文件名>**）。将所有文档压缩打包后发给TA。





```
txt01.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
MarvellDoveLucidInstall
This page covers installation of Ubuntu "Lucid" 10.04 on Marvell Dove X0 boards. Dove Y0/Y1 boards are not supported anymore.

Known issues
Please consult the known issues with Ubuntu 10.04 ARM platforms before installing.

Preparation and image writing
PREP WORK
u-boot requires a TFTP server to download files from. Several are available in universe, including attpd and tftpd-hpa. Install the server on a
machine the Dove can access and take note of its IP address.

UPDATE THE BOOTROM
All Marvell boards have a BootROM written both in physical ROM, and a small section of SPI that can be used for upgrades. Newest versions
of Marvell's kernel requires a newer BootROM, with the newest being 2.04. All X0 boards should ship with BootROM 2.04; if not, you need to
upgrade the bootROM to at least 2.04:

BootROM 2.04: http://people.canonical.com/~mcasadevall/dove/dove\_bootrom\_2\_04\_spi\_0x1.img

Take that file, and place it in the TFTP folder. In addition, please make sure your board is setup for SPI booting (detailed below). At the u-boot
prompt, type the following commands:

Marvell>> setenv serverip *ip address of TFTP server*
Marvell>> setenv ipaddr *board IP address*
Marvell>> tftp 2000000 dove_bootrom_2_04_spi_0x1.img
Marvell>> protect off f87f0000 f8800000
Marvell>> erase f87f0000 f8800000
Marvell>> cp.b 2000000 f87f0000 10000
Marvell>> protect on f87f0000 f8800000
Marvell>> reset
If successful, the board will boot back into u-boot. Depending on the version of u-boot in SPI, it may or may not print a message about the
new BootROM in SPI. These messages look like the following:

BootROM version (on chip)= 1.07
BootROM version (upgrade on SPI)= 2.04
BootROM Status:
Number of retries = 0
UPDATE U-BOOT
The stock u-boot on the Marvell Dove X0 board is sufficient to boot Ubuntu, and this step is optional. However, bugs related to suspend and
```