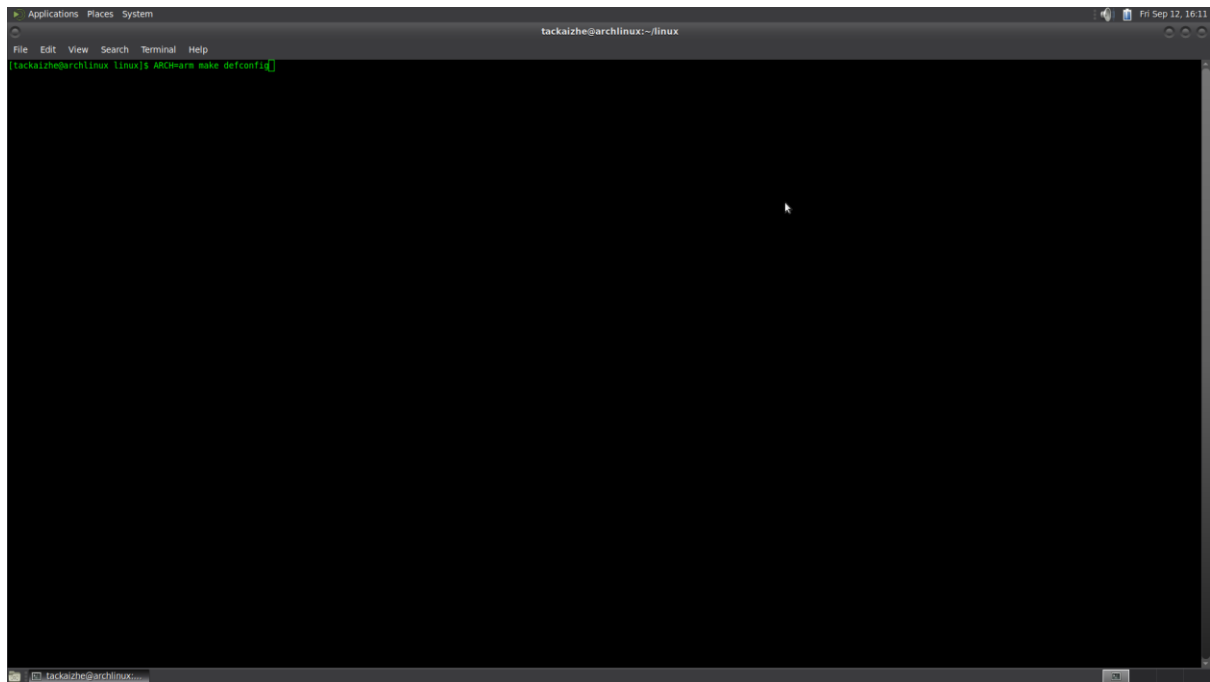


Задание по ядру линукс №2

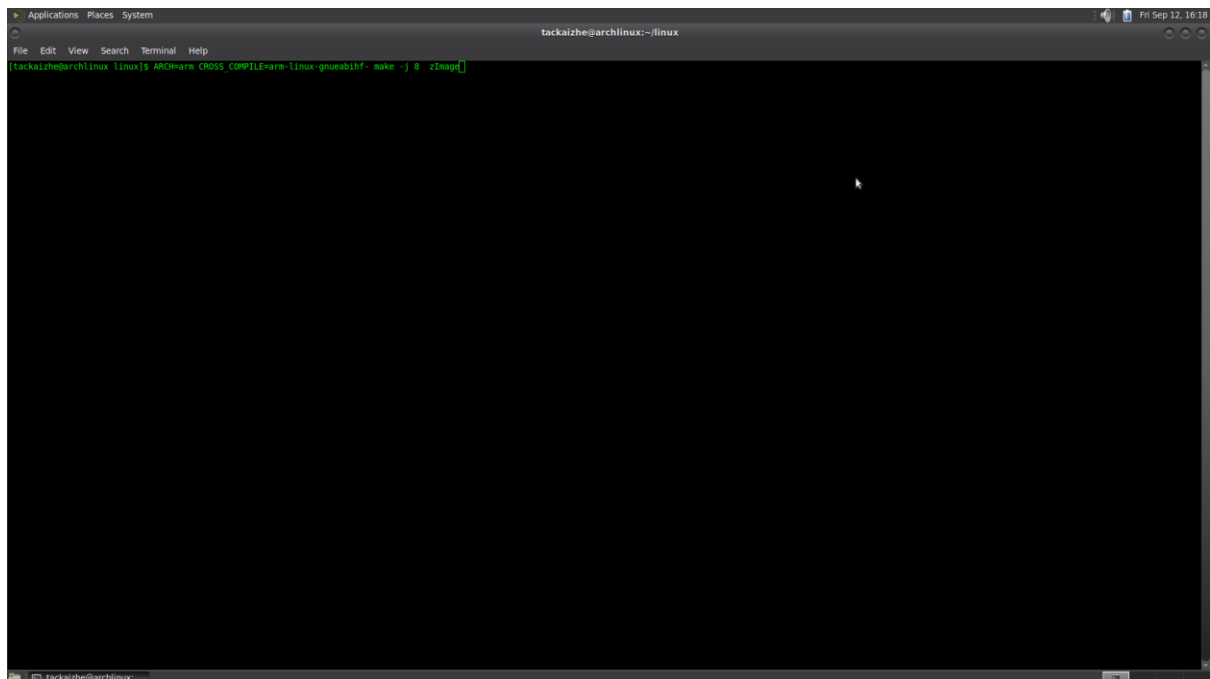
#1 Получение стандартной конфигурации



```
tackaizhe@archlinux:~/linux$ ARCHARM make defconfig
```

The image shows a terminal window with a dark background. The title bar indicates the user is 'tackaizhe@archlinux' in the directory '~/linux'. The terminal shows the command 'ARCHARM make defconfig' being executed. The window has a menu bar with 'Applications', 'Places', and 'System'. The status bar at the bottom shows the date and time as 'Fri Sep 12, 16:11'.

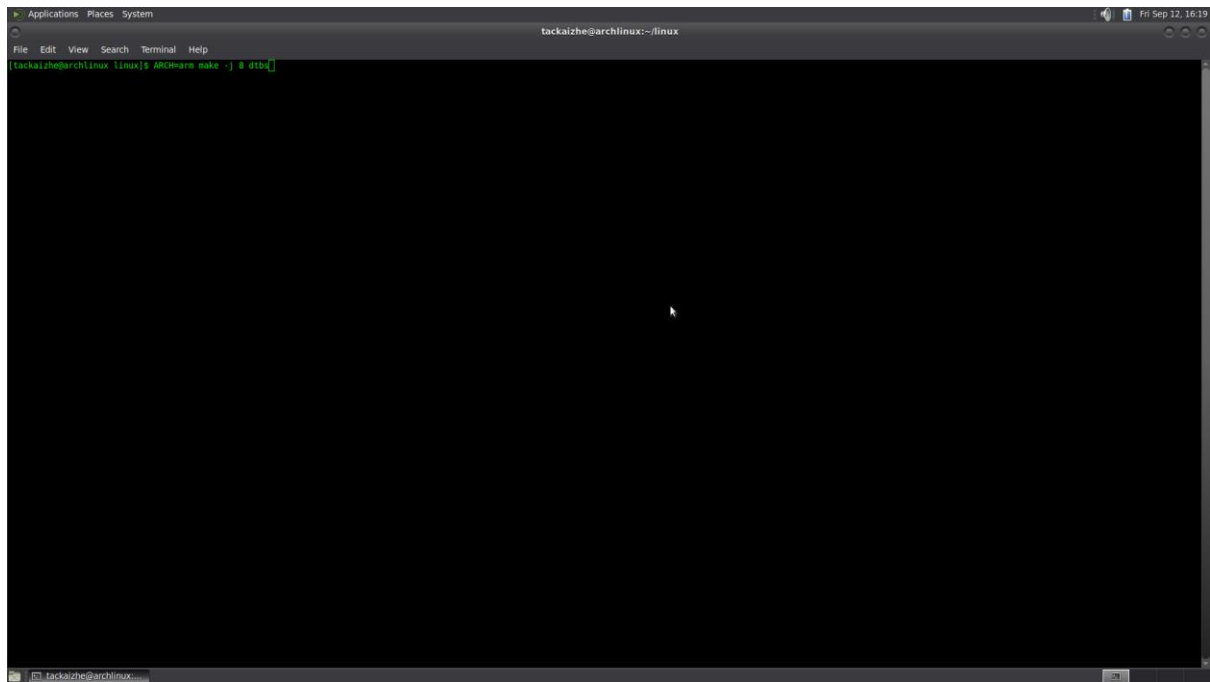
#2 Компилируем ядро



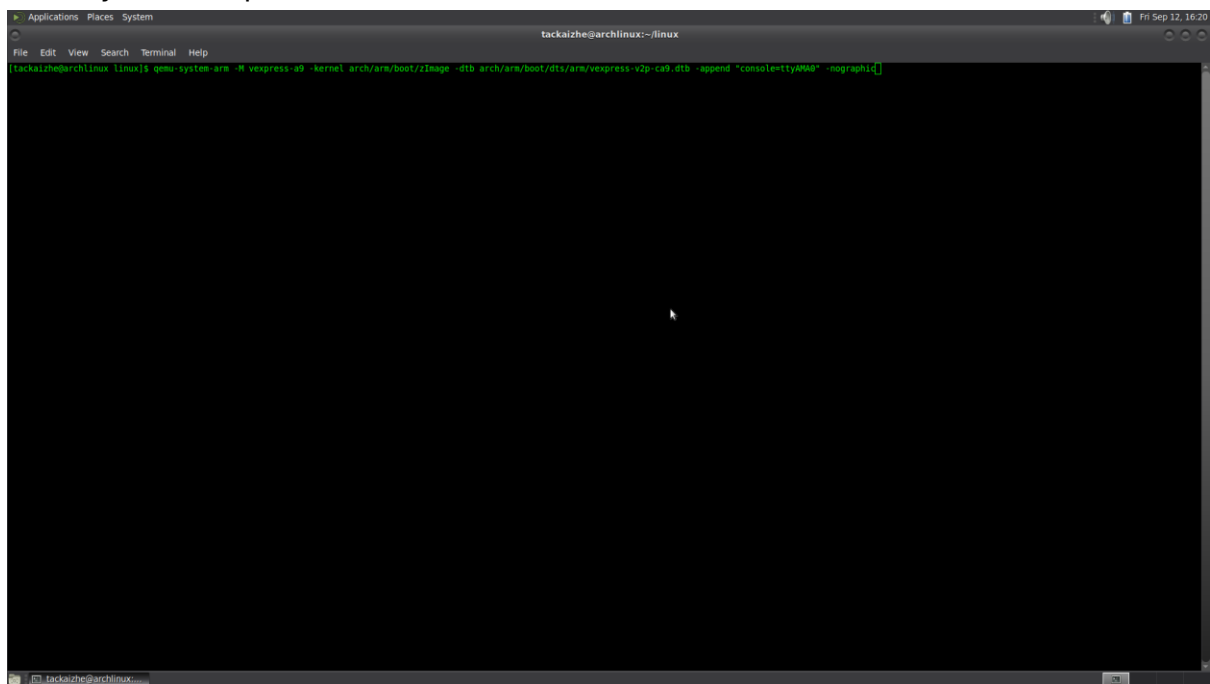
```
tackaizhe@archlinux:~/linux$ ARCHARM CROSS_COMPILE=arm-linux-gnueabihf- make -j 8 zimage
```

The image shows a terminal window with a dark background. The title bar indicates the user is 'tackaizhe@archlinux' in the directory '~/linux'. The terminal shows the command 'ARCHARM CROSS_COMPILE=arm-linux-gnueabihf- make -j 8 zimage' being executed. The window has a menu bar with 'Applications', 'Places', and 'System'. The status bar at the bottom shows the date and time as 'Fri Sep 12, 16:18'.

#3 Компилируем dtb



#4 Запускаем ядро



#5 Результат

```
Applications Places System
tackaizhe@archlinux: ~/linux
File Edit View Search Terminal Help

2.922686] VFS: Cannot open root device "" or unknown-block(0,0): error -6
2.922781] Please append a correct "root=" boot option; here are the available partitions:
2.922689] 0100 65536 ram0
2.922972] (driver?)
2.922996] 0101 65536 ram1
2.923003] (driver?)
2.923010] 0102 65536 ram2
2.923015] (driver?)
2.923022] 0103 65536 ram3
2.923027] (driver?)
2.923034] 0104 65536 ram4
2.923039] (driver?)
2.923046] 0105 65536 ram5
2.923051] (driver?)
2.923057] 0106 65536 ram6
2.923062] (driver?)
2.923069] 0107 65536 ram7
2.923075] (driver?)
2.923081] 0108 65536 ram8
2.923086] (driver?)
2.923093] 0109 65536 ram9
2.923098] (driver?)
2.923105] 010a 65536 ram10
2.923110] (driver?)
2.923116] 010b 65536 ram11
2.923121] (driver?)
2.923128] 010c 65536 ram12
2.923134] (driver?)
2.923140] 010d 65536 ram13
2.923146] (driver?)
2.923152] 010e 65536 ram14
2.923157] (driver?)
2.923163] 010f 65536 ram15
2.923169] (driver?)
2.923185] 0100 131072 mtdblock0
2.923196] (driver?)
2.923248] List of all bdev filesystems:
2.923262] ext3
2.923272] ext2
2.923275] ext4
2.923279] squashfs
2.923283] vfat
2.923286] msdos
2.923290] ntfs
2.923294] ntfs3
2.923300]
2.923438] Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(0,0)
2.928251] CPU: 0 UID: 0 PID: 1 Comm: swapper/0 Not tainted 6.17.0-rc4-00295-gb2369207310d #1 NONE
2.928545] Hardware name: ARM-Versatile Express
2.928762] Call trace:
2.929155] unwind backtrace from show_stack+0x10/0x14
2.929832] show_stack from dump_stack_lvl+0x54/0x68
2.929985] dump_stack_lvl from vpanic+0x4f0/0x4fc
2.930125] vpanic from _do_trace_suspend_resume+0x8/0x48
2.930783] ---[ end Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(0,0) ]---
```