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ЗВІТ

з лабораторної роботи №4
з навчальної дисципліни «Архітектура комп'ютерів-2. Процесори»
на тему:
«Підготовка та налаштування плати ВВВ»

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```
root@ubuntu2004: ~/repos/busybox

[ 2.837433] Run /init as init process

Please press Enter to activate this console.
/ # uname -a
Linux (none) 4.19.220 #1 SMP Sat Dec 11 05:59:03 EST 2021 armv7l GNU/Linux
/ # ls -l
total 0
drwxr-xr-x  2 root  root          0 Dec 12 19:22 bin
drwxr-xr-x  2 root  root          0 Dec 11 11:47 boot
drwxr-xr-x  3 root  root          0 Dec 12 20:02 dev
drwxr-xr-x  3 root  root          0 Dec 11 10:12 etc
lrwxrwxrwx  1 root  root        11 Dec 11 10:04 init -> bin/busybox
lrwxrwxrwx  1 root  root        11 Dec 11 14:21 init543532432 -> bin/bu
sybox
drwxr-xr-x  3 root  root          0 Dec 12 20:00 lib
lrwxrwxrwx  1 root  root        11 Dec 12 19:22 linuxrc -> bin/busybox
dr-xr-xr-x 90 root  root          0 Jan  1  1970 proc
drwxr-xr-x  2 root  root          0 Dec 11 10:01 root
drwxr-xr-x  2 root  root          0 Dec 12 19:22 sbin
dr-xr-xr-x 12 root  root          0 Dec 12 20:02 sys
drwxr-xr-x  2 root  root          0 Dec 11 10:01 tmp
drwxr-xr-x  4 root  root          0 Dec 11 11:44 usr
/ # dmesg | grep init
[ 0.000000] random: get_random_bytes called from start_kernel+0x9c/0x47c with
crng_init=0
[ 0.000000] Memory: 406428K/524288K available (12288K kernel code, 1619K rwd
ta, 4784K rodata, 2048K init, 393K bss, 52324K reserved, 65536K cma-reserved, 0K
highmem)
[ 0.000000] .init : 0x(ptrval) - 0x(ptrval) (2048 kB)
[ 0.098952] devtmpfs: initialized
[ 0.138270] pinctrl core: initialized pinctrl subsystem
[ 0.336286] SCSI subsystem initialized
[ 0.535438] Trying to unpack rootfs image as initramfs...
[ 2.104235] Freeing initrd memory: 25092K
[ 2.298396] SuperH (H)SCI(F) driver initialized
[ 2.300120] msm_serial: driver initialized
[ 2.300546] STMicroelectronics ASC driver initialized
[ 2.302488] STM32 USART driver initialized
[ 2.837433] Run /init as init process
/ #
```

```
/ # busybox --help | head -15
BusyBox v1.31.1 (2021-12-11 06:42:12 EST) multi-call binary.
BusyBox is copyrighted by many authors between 1998-2015.
Licensed under GPLv2. See source distribution for detailed
copyright notices.

Usage: busybox [function [arguments]...]
or: busybox --list[-full]
or: busybox --show SCRIPT
or: busybox --install [-s] [DIR]
or: function [arguments]...

    BusyBox is a multi-call binary that combines many common Unix
    utilities into a single executable. Most people will create a
    link to busybox for each function they wish to use and BusyBox
    will act like whatever it was invoked as.

/ # poweroff
/ # umount: can't unmount /: Invalid argument
swapoff: can't open '/etc/fstab': No such file or directory
The system is going down NOW!
Sent SIGTERM to all processes
Sent SIGKILL to all processes
Requesting system poweroff
[ 2671.861203] reboot: Power down
root@ubuntu2004:~/repos/busybox# S
```