Compiling busy box dynamically for the firsts rootfs on mmcblk0p2:

```
work properly.

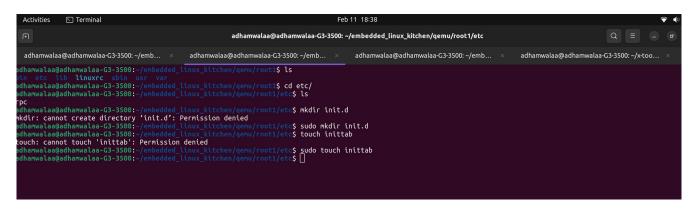
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/s cd _install/
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/_install/s cd bin/
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/_install/bins file busybox
busyboxs_ELF 32-bit LSB executable, ARM, FABIS version 1 (SYSV), dynamically linked, interpreter /lib/ld-linux-armhf.so.3, for GNU/Linux 3.2.0, stripped
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/_install/bins cd ..
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/_installs sudo cp -r ./* ../../qemu/root1/
[sudo] password for adhamwalaa:
adhamwalaa@adhamwalaa-G3-3500:-/embedded_linux_kitchen/busybox/_installs =[
```

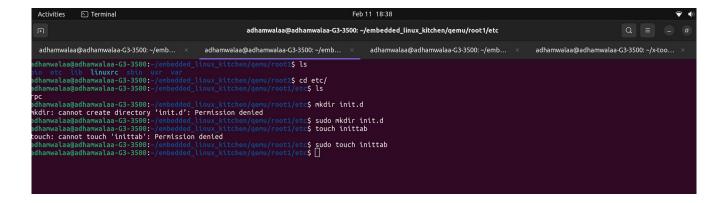
copying the required libs to the rootfs:

```
adhanwalaa@adhanwalaa-G3-3300: /embedded_linux_kitchen/busybox/_install/
adhanwalaa@adhanwalaa-G3-3300: /embedded_linux_kitchen/busybox/_installs of bin/
adhanwalaa@adhanwalaa-G3-3300: /embedded_linux_kitchen/busybox/_installs of bin/
adhanwalaa@adhanwalaa-G3-3300: /embedded_linux_kitchen/busybox/_installs of bin/
adhanwalaa@adhanwalaa-G3-3300: /embedded_linux_kitchen/genu/rooti/
gaudo] password for adhanwalaa-G3-3300: /embedded_linux_kitchen/genu/rooti/s
gaudo password for adhanwalaa-G3-3300: /embedded_linux_kitchen/genu/rooti/s
gaudo password for adhanwalaa-G3-3300: /embedded_linux_kitchen/genu/rooti/s
gaudo password for adhanwalaa-G3-3300: /embedded_linux_kitchen/genu/rooti/s
gara-care-care-gaudo-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-cortexag_neon-linux-gaueabhif/sar-corte
```

Busybox init process:

on startup the inittab first runs the script rcS under the init.d directory the waits for input from the user to open up a shell:





Final output:

If the user presses 1:

```
Welcome to the initrams shell!
Type '1' to mount and switch to the root filesystem on /dev/mmcblk0p2 (second partition).
Type '2' to mount and switch to the root filesystem on /dev/mmcblk0p3 (third partition).
Type '3' to exit this loop and drop to a shell.
initrams's input: ImkxPS/2 Generic Explorer Mouse as /devices/platform/bus@40000000/bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@40000000:motherboard-bus@
```

```
MOUNTLING TOOL Ittesystem Trom /dev/mmcbtkop2...

EXT4-fs (mmcblkop2): mounted filesystem 52344936-6f28-403c-b78c-3adc8c019d7e r/w with ordered data mode. Quota mode: disabled.

Root filesystem mounted successfully!

Switching to new root...
random: crng init done

Please press Enter to activate this console. drm-clcd-pl111 10020000.clcd: DVI muxed to daughterboard 1 (core tile) CLCD

drm-clcd-pl111 10020000.clcd: initializing Versatile Express PL111
amba 1000f000.wdt: deferred probe pending
amba 10020000.clcd: deferred probe pending
amba 10020000.memory-controller: deferred probe pending
amba 100e1000.memory-controller: deferred probe pending
amba 100e1000.watchdog: deferred probe pending
izc 0-0039: deferred probe pending

/bin/sh: can't access tty; job control turned off

/bin/sh: can't access tty; job control turned off
```