make distclean для очистки

Собираем файлы конфигурации:

ARCH=arm make defconfig

ARCH=arm make menuconfig

Собираем ядро для ARM архитектуры:

ARCH=arm CROSS_COMPILE=arm-linux-gnueabihf- make -j6 zImage

Собираем DTB файлы:

ARCH=arm make dtbs

Помещаем файл vexpress-v2p-ca9.dtb в нашу директорию

Запускаем QEMU:

QEMU_AUDIO_DRV=none qemu-system-arm -M vexpress-a9 -kernel zImage -dtb vexpress-v2p-ca9.dtb append"console=ttyAMA0"

```
[    2.815812] ext2
[    2.815923] ext4
[    2.816030] squashfs
[    2.816135] vfat
[    2.816248] msdos
[    2.816356] ntfs
[    2.816472] ntfs3
[    2.816590]
[    2.817382] Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(0,0)
[    2.818265] CPU: 0 PID: 1 Comm: swapper/0 Not tainted 6.10.11 #1
[    2.818637] Hardware name: ARM-Versatile Express
[    2.819044] Call trace:
[    2.819702]  unwind_backtrace from show_stack+0x10/0x14
[    2.820920]  show_stack from dump_stack_lvl+0x54/0x68
[    2.821167]  dump_stack_lvl from panic+0x10c/0x364
[    2.821505]  panic from mount_root_generic+0x1f8/0x2a8
[    2.821848]  mount_root_generic from prepare_namespace+0x1fc/0x254
[    2.822119]  prepare_namespace from kernel_init+0x1c/0x12c
[    2.822345]  kernel_init from ret_from_fork+0x14/0x28
[    2.822630] Exception stack(0xc8825fb0 to 0xc8825ff8)
[    2.823032] 5fa0:                                     00000000 00000000 00000000 00000000
[    2.823328] 5fc0: 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
[    2.823621] 5fe0: 00000000 00000000 00000000 00000000 00000013 00000000
[    2.824488] ---[ end Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(0,0) ]---
QEMU: Terminated
```