Buildroot lab 1

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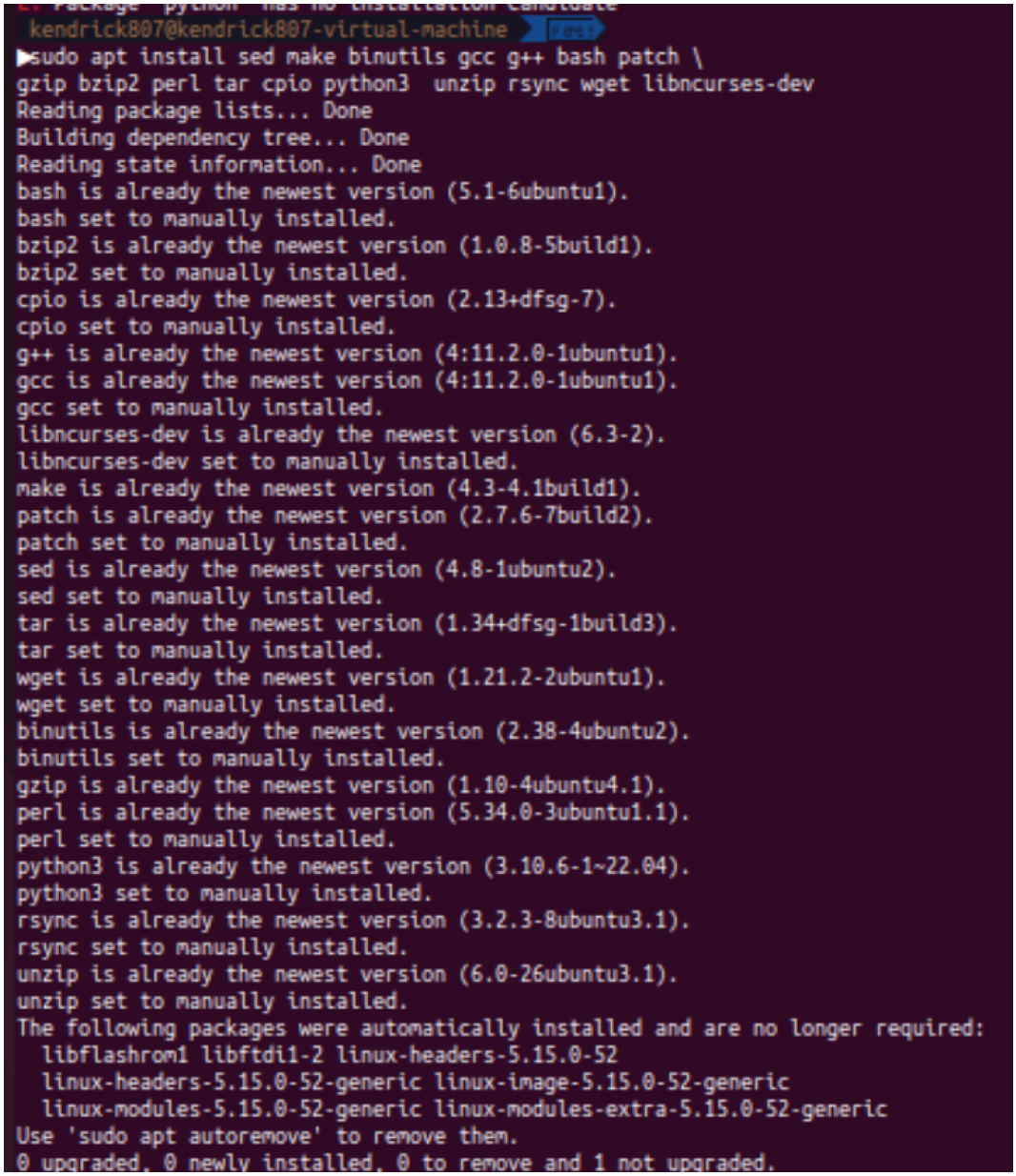
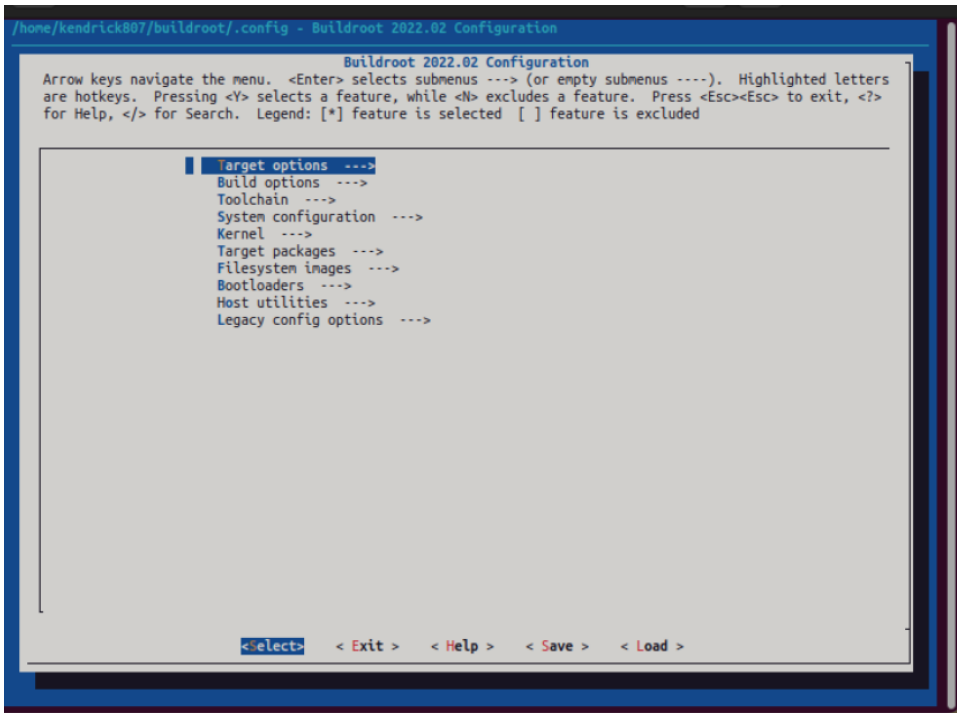
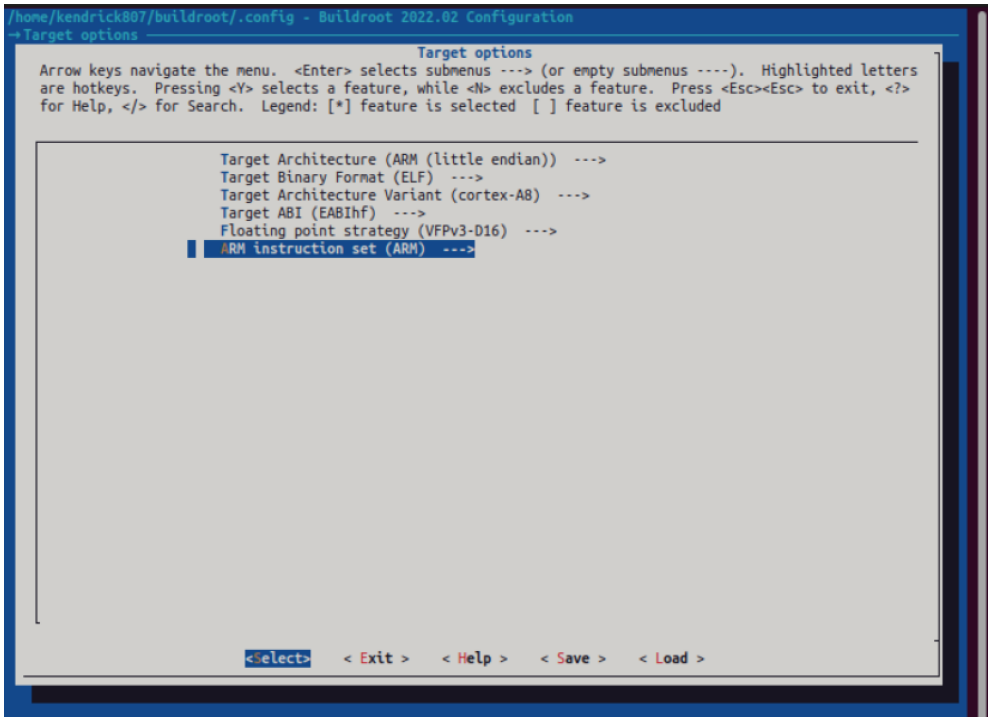
Command to install all the package in order to make buildroot work, and some of the packages are already installed.



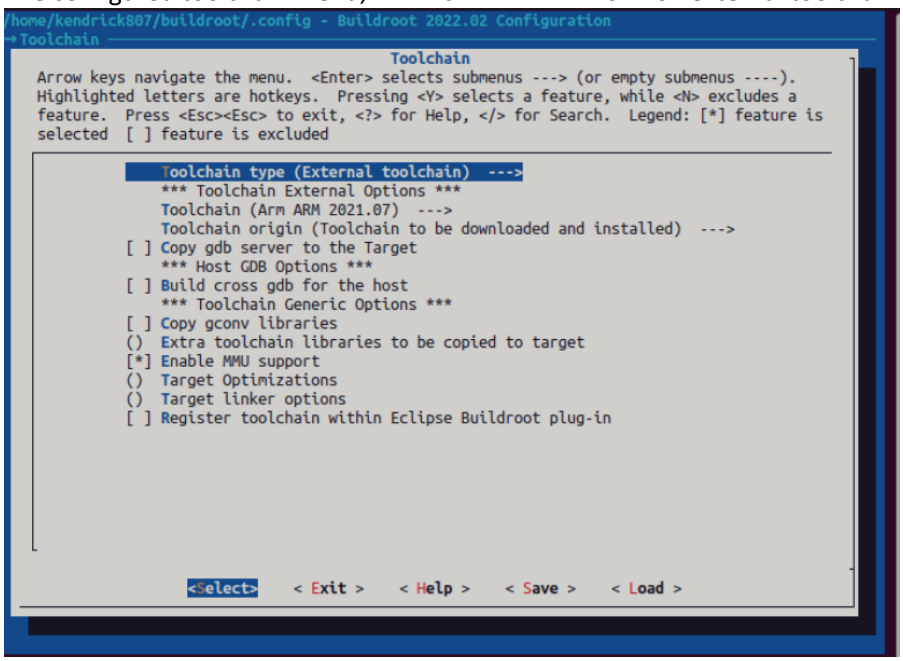
Picture of my menuconfig after buildroot is installed.



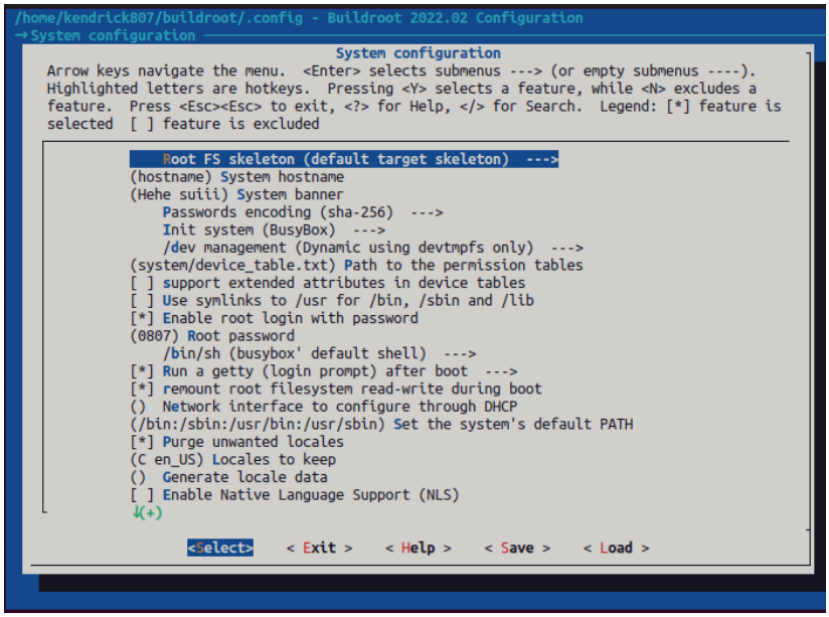
The configured target options menu. As beaglebone black wireless is used as the board, target architecture is changed to ARM with little endian,and the target architecture variant is changed to cortex-A8 .



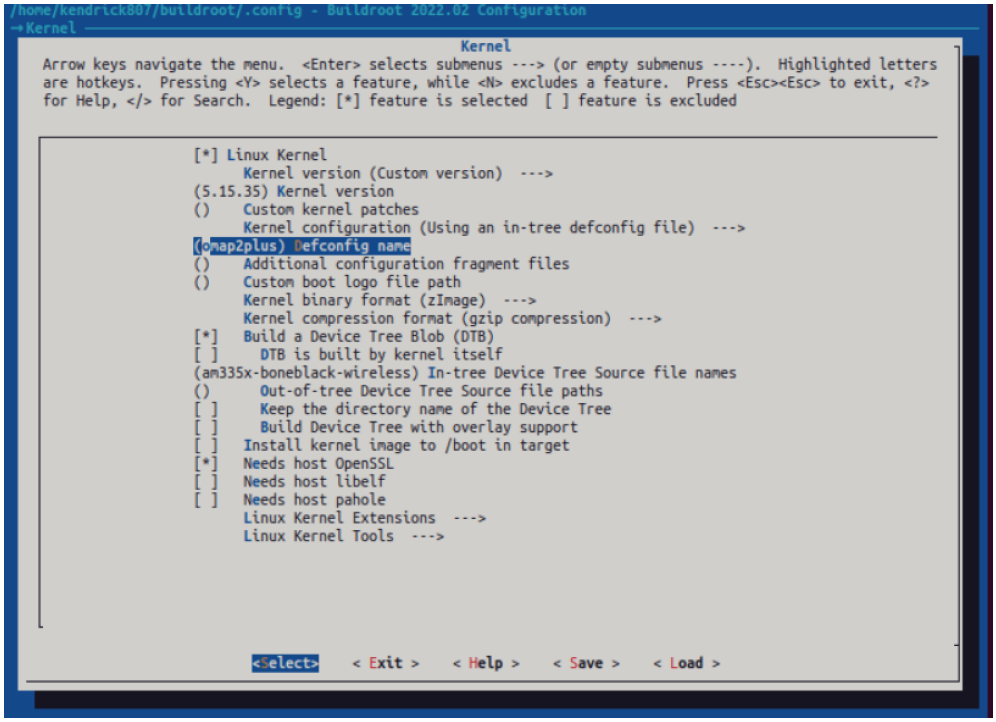
The configured toolchain menu, in which Arm ARM 2021.07 external toolchain is used.



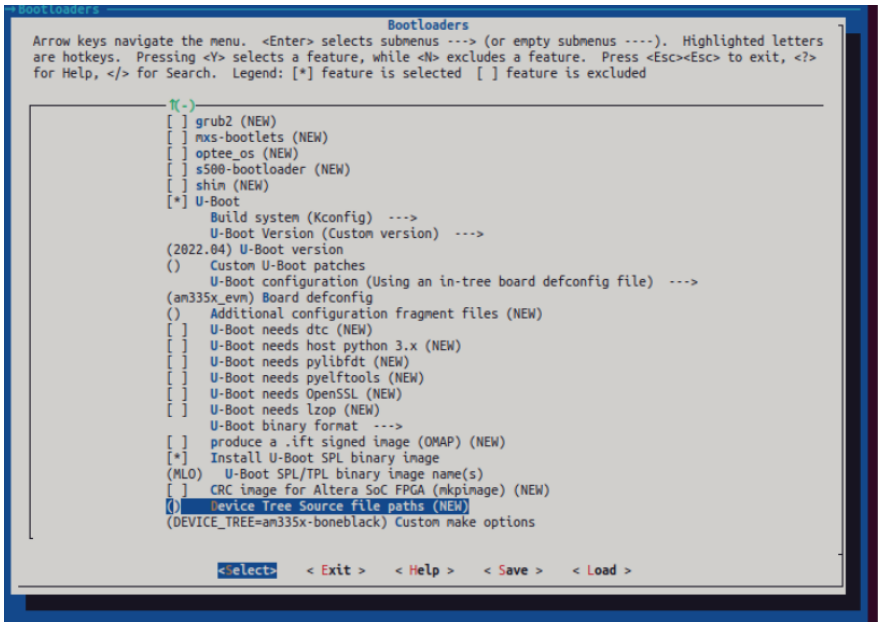
The configured system configuration menu.



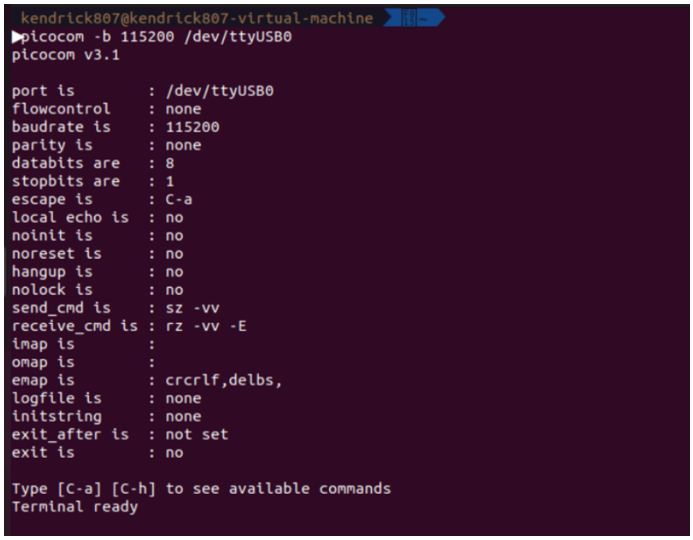
The configured kernel menu, in which latest linux kernel is used, and **omap2plus** is used as the deconfig. Also **am335x-boneblack-wireless** is used as the device tree source file as beaglebone black is used.



The configured bootloader page, where **2002.04 U-Boot version is used**, and **U-Boot SPL binary image is installed.**



The terminal of the device ttyUSB0 when command **picocom -b 115200 /dev/ttyUSB0** is issued. Without the programmed SD card inserted in the beaglebone black, the terminal will not pop up anything.



The buildroot login page after the programmed SD card is inserted in the beaglebone black.