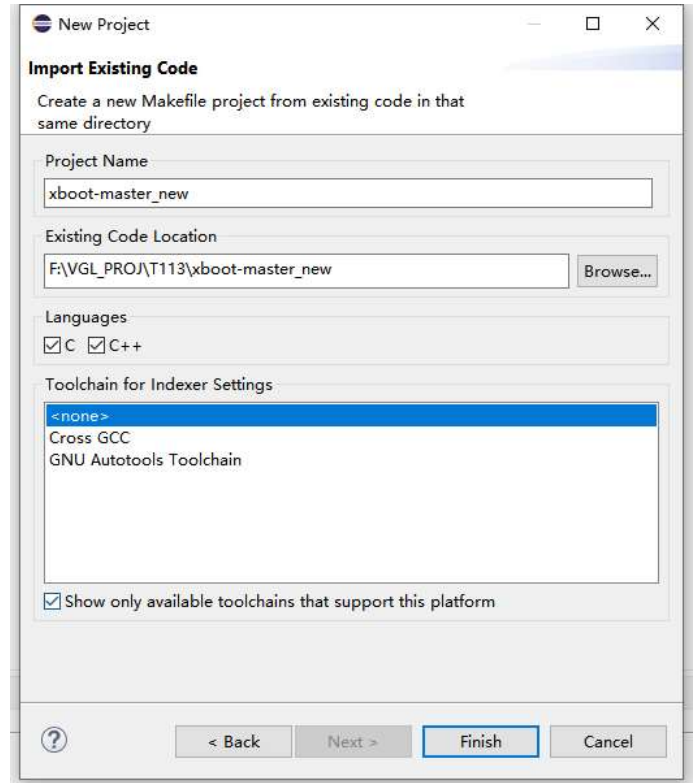
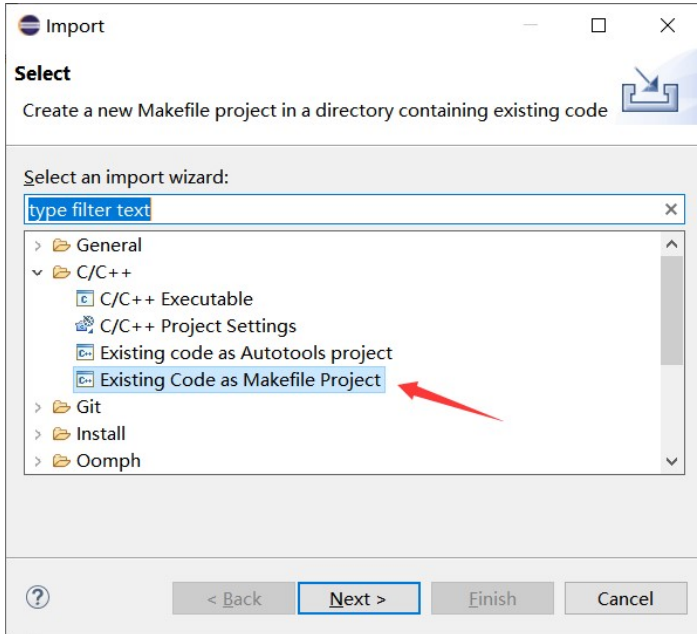


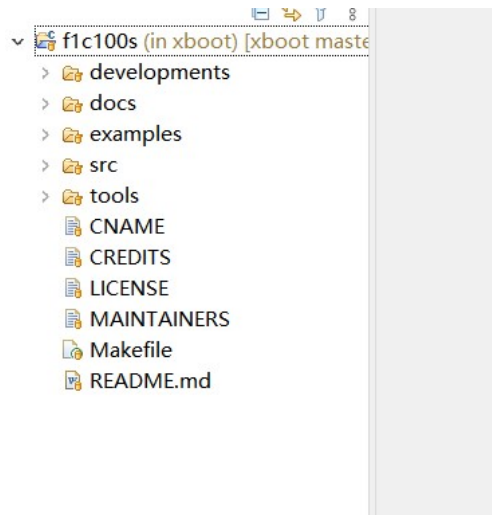
问题：使用 eclipse 编译 V3S & T113S3 芯片通过；编译其他芯片未通过，其实我想编译 F133 芯片的；麻烦帮忙看看什么原因，谢谢！

操作步骤：

下载好源码，打开 eclipse，然后 File-->Import-->(按照以下选择)

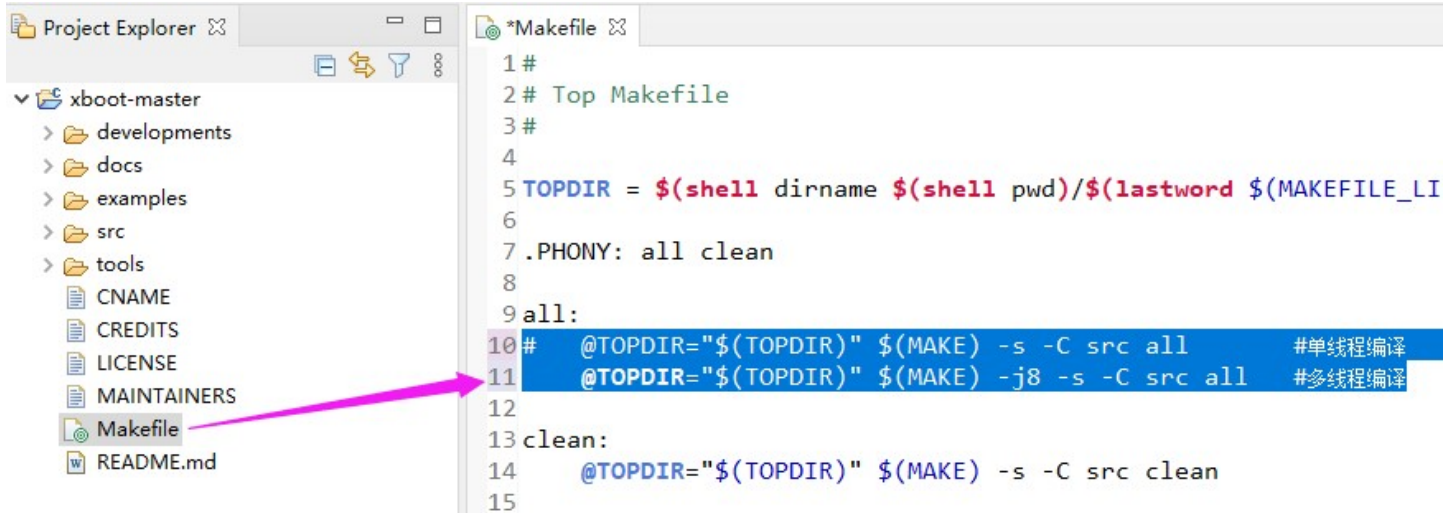


根据提示一步步操作，导入成功界面如下



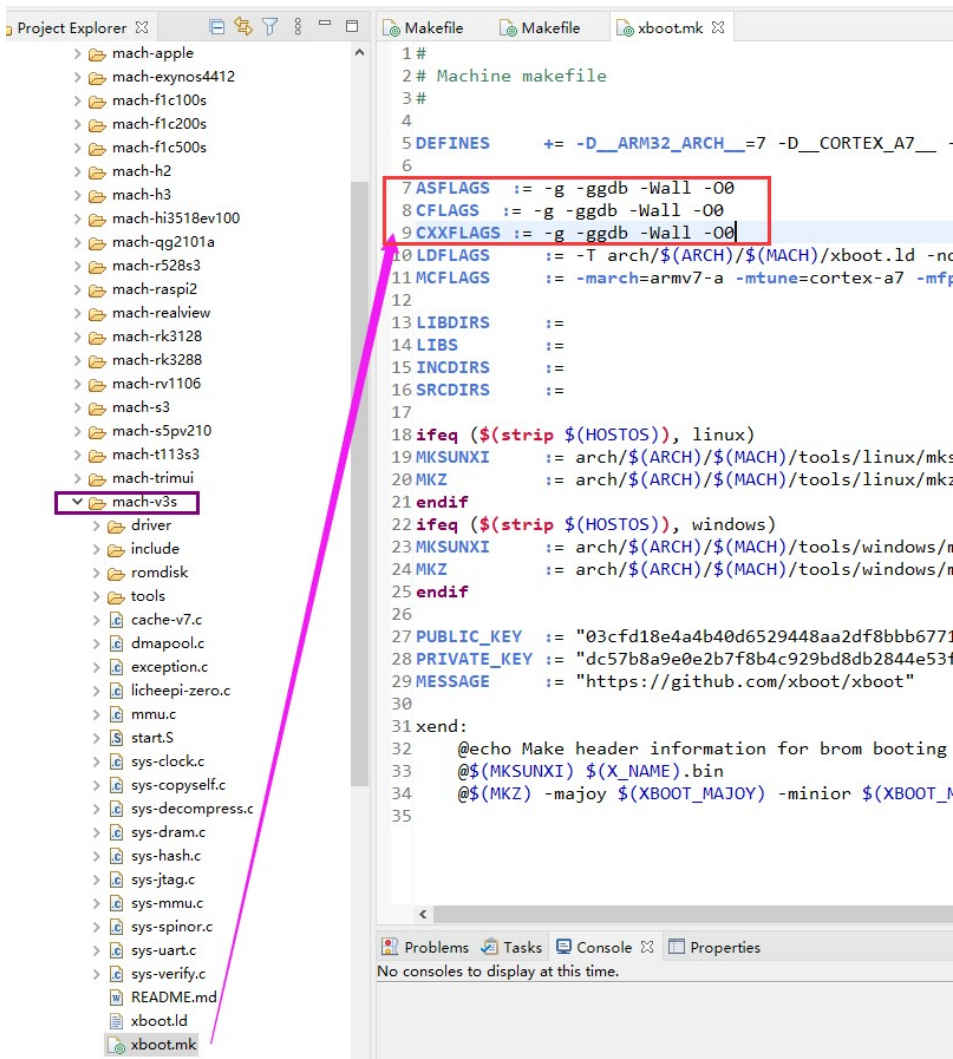
加快编译速度:

```
# @TOPDIR="$(TOPDIR)" $(MAKE) -s -C src all #单线程编译
@TOPDIR="$(TOPDIR)" $(MAKE) -j8 -s -C src all #多线程编译
```



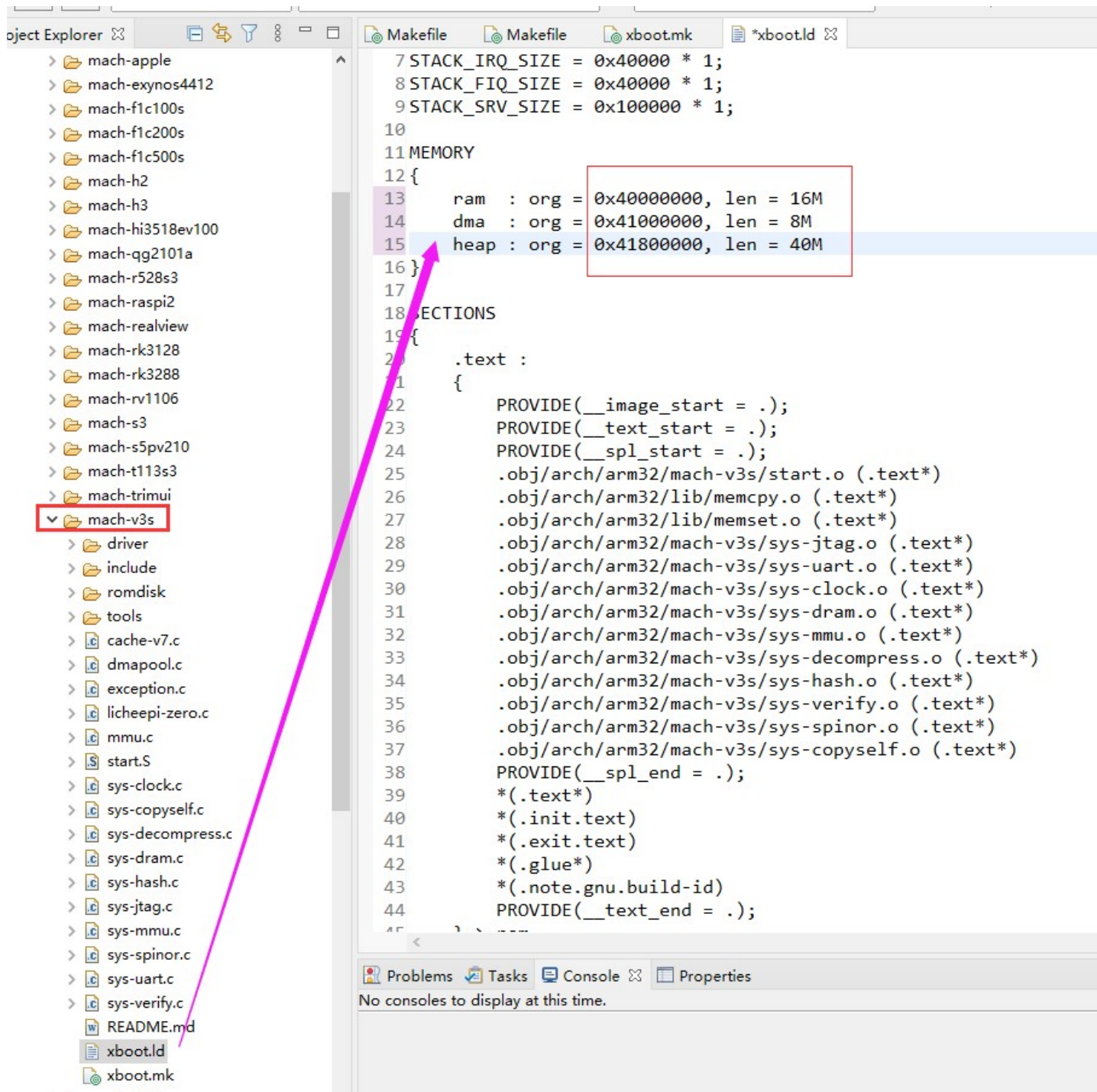
降低优化等级

```
ASFLAGS := -g -ggdb -Wall -O0
CFLAGS := -g -ggdb -Wall -O0
CXXFLAGS := -g -ggdb -Wall -O0
```



其他芯片同理，修改相同文件夹下的 xboot.mk 文件程序;

检查内部 DDRAM 空间，不可以超常芯片本身内存空间；



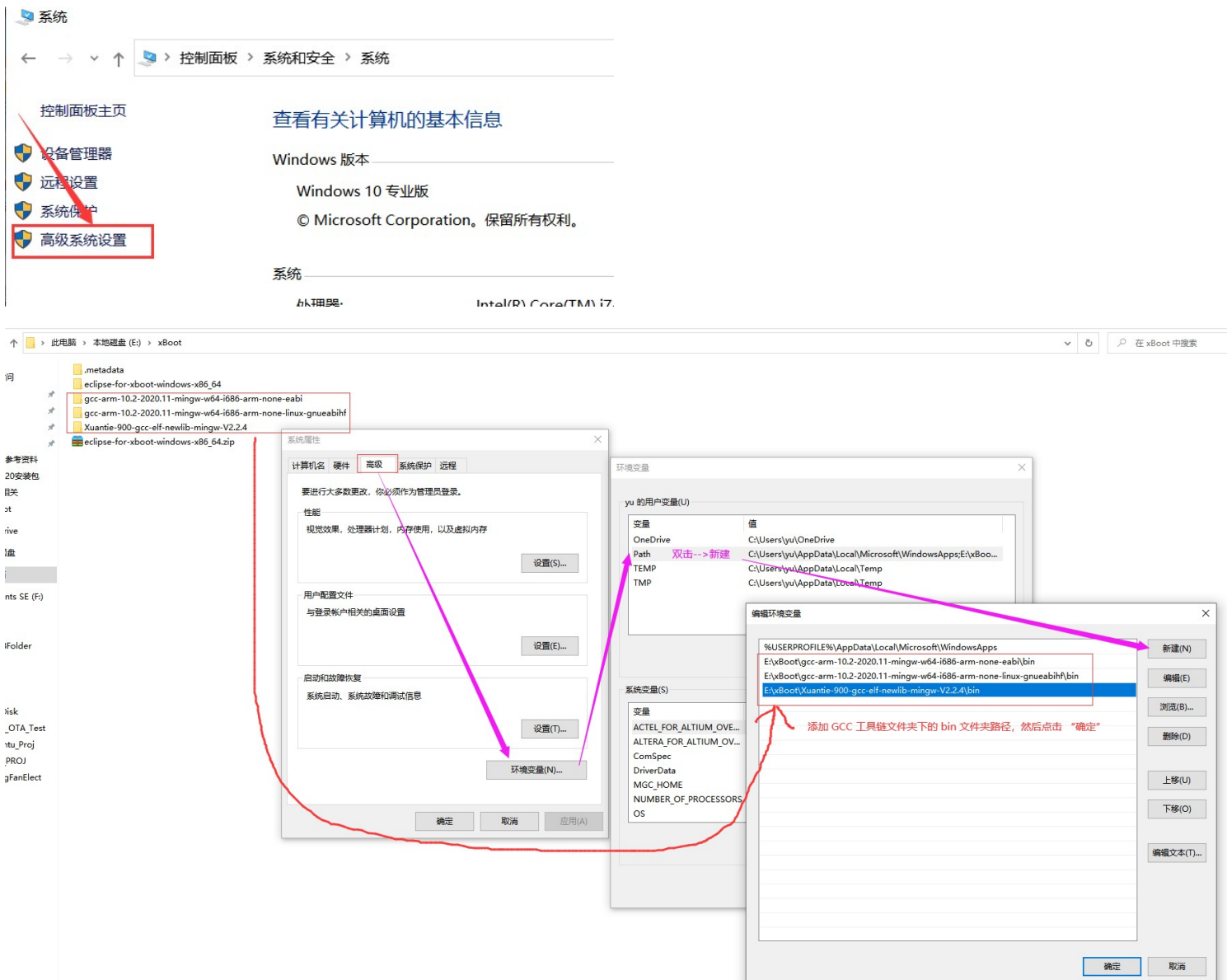
其他芯片同理，修改相同文件夹下的 `xboot.ld` 文件程序；

修改环境变量相关:

注意: 如果不添加环境变量, 则需要使用工具链的完整地址, 比如:

CROSS_COMPILE ?= E:\xBoot\gcc-arm-10.2-2020.11-mingw-w64-i686-arm-none-eabi\bin\arm-none-eabi-

添加 path 值:



不同芯片对应不同的 GCC:

100s、200s、500s

CROSS_COMPILE ?= arm-none-eabi

#这里是跟每个 bin 文件夹内部的 xxxxx-xxx.exe 名称一致;

名称	修改日期	类型
arm-none-eabi-addr2line.exe	2020/11/21 7:10	应用程序
arm-none-eabi-ar.exe	2020/11/21 7:10	应用程序
arm-none-eabi-as.exe	2020/11/21 7:10	应用程序
arm-none-eabi-c++.exe	2020/11/21 7:30	应用程序
arm-none-eabi-c++filt.exe	2020/11/21 7:10	应用程序
arm-none-eabi-cpp.exe	2020/11/21 7:30	应用程序
arm-none-eabi-elfedit.exe	2020/11/21 7:10	应用程序
arm-none-eabi-g++.exe	2020/11/21 7:30	应用程序
arm-none-eabi-gcc.exe	2020/11/21 7:30	应用程序
arm-none-eabi-gcc-10.2.1.exe	2020/11/21 7:30	应用程序
arm-none-eabi-gcc-ar.exe	2020/11/21 7:30	应用程序
arm-none-eabi-gcc-nm.exe	2020/11/21 7:30	应用程序
arm-none-eabi-gcc-ranlib.exe	2020/11/21 7:30	应用程序

v3s、T113s3

CROSS_COMPILE ?= arm-none-linux-gnueabihf-

#这里是跟每个 bin 文件夹内部的 xxxxx-xxx.exe 名称一致;

名称	修改日期	类型
arm-none-linux-gnueabihf-addr2line....	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-ar.exe	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-as.exe	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-c++.exe	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-c++filt.exe	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-cpp.exe	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-dwp.exe	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-elfedit.exe	2020/11/21 8:10	应用程序
arm-none-linux-gnueabihf-g++.exe	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-gcc.exe	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-gcc-10.2.1...	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-gcc-ar.exe	2020/11/21 8:41	应用程序
arm-none-linux-gnueabihf-gcc-nm.exe	2020/11/21 8:41	应用程序

d1、F133

CROSS_COMPILE ?= riscv64-unknown-elf-

#这里是跟每个 bin 文件夹内部的 xxxxx-xxx.exe 名称一致;

名称	修改日期	类型
riscv64-unknown-elf-addr2line.exe	2021/12/27 12:33	应用程序
riscv64-unknown-elf-ar.exe	2021/12/27 12:33	应用程序
riscv64-unknown-elf-as.exe	2021/12/27 12:33	应用程序
riscv64-unknown-elf-c++.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-c++filt.exe	2021/12/27 12:33	应用程序
riscv64-unknown-elf-cpp.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-elfedit.exe	2021/12/27 12:33	应用程序
riscv64-unknown-elf-g++.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-gcc.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-gcc-10.2.0.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-gcc-ar.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-gcc-nm.exe	2021/12/27 14:12	应用程序
riscv64-unknown-elf-gcc-ranlib.exe	2021/12/27 14:12	应用程序

```

#-----Makefile-----#使用完整路径似乎编译失败
#
# Makefile for xboot
#

#
# You can pass CROSS_COMPILE and PLATFORM variable.
#
# 100s、200s
#CROSS_COMPILE    ?= arm-none-eabi-
#CROSS_COMPILE    ?= E:\xBoot\gcc-arm-10.2-2020.11-mingw-w64-i686-arm-none-eabi\bin\arm-none-eabi-
#PLATFORM         ?= arm32-f1c100s
#PLATFORM         ?= arm32-f1c200s

# v3s、t113s3
CROSS_COMPILE    ?= arm-none-linux-gnueabi-
#CROSS_COMPILE    ?= E:\xBoot\gcc-arm-10.2-2020.11-mingw-w64-i686-arm-none-linux-gnueabi\bin\arm-none-linux-gnueabi-
#PLATFORM         ?= arm32-v3s
PLATFORM        ?= arm32-t113s3

# f133、d1
#CROSS_COMPILE    ?= riscv64-unknown-elf-
#CROSS_COMPILE    ?= E:\xBoot\Xuantie-900-gcc-elf-newlib-mingw-V2.2.4\bin\riscv64-unknown-elf-
#PLATFORM         ?= riscv64-f133
#PLATFORM         ?= riscv64-d1

#
# Configurable advanced custom components
#
CFG_FRAMEWORK    ?= y
CFG_CAIRO       ?= y
CFG_WBOXTEST    ?= n

#
# Xboot version
#
XBOOT_MAJOR     := 3
XBOOT_MINOR    := 0
XBOOT_PATCH    := 0
DEFINES        := -DXBOOT_MAJOR=$(XBOOT_MAJOR) -DXBOOT_MINOR=$(XBOOT_MINOR) -DXBOOT_PATCH=$(XBOOT_PATCH)

#
# Get platform information about ARCH and MACH from PLATFORM variable.
#
ifeq ($(words $(subst -, , $(PLATFORM))), 2)
ARCH           := $(word 1, $(subst -, , $(PLATFORM)))
MACH           := mach-$(word 2, $(subst -, , $(PLATFORM)))
else
ARCH           := x64
MACH           := mach-sandbox

```

```

endif

#
# System environment variable.
#
ifeq ($(OS), Windows_NT)
    HOSTOS      := windows
else
    ifneq (, $(findstring Linux, $(shell uname -a)))
        HOSTOS  := linux
    endif
endif

endif

#
# Load default variables.
#
ASFLAGS      := -g -ggdb -Wall -O0
CFLAGS       := -g -ggdb -Wall -O0
LDFLAGS      := -T arch/$(ARCH)/$(MACH)/xboot.ld -nostdlib
MCFLAGS      :=

LIBDIRS      :=
LIBS         :=
INCDIRS      :=
SRCDIRS      :=

#
# Override default variables.
#
sinclude arch/$(ARCH)/$(MACH)/xboot.mk

#
# Define some variables.
#
ifeq ($(strip $(ARCH)), arm32)
    DEFINES    += -D__ARM32__
endif
ifeq ($(strip $(ARCH)), arm64)
    DEFINES    += -D__ARM64__
endif
ifeq ($(strip $(ARCH)), riscv64)
    DEFINES    += -D__RISCV64__
endif
ifeq ($(strip $(ARCH)), x64)
    DEFINES    += -D__X64__
endif

ASFLAGS      += -ffunction-sections -fdata-sections -ffreestanding -std=gnu99 $(DEFINES)
CFLAGS       += -ffunction-sections -fdata-sections -ffreestanding -std=gnu99 $(DEFINES)
LDFLAGS      += -Wl,-gc-sections

```

```
#
# Add necessary directory for INCDIRS and SRCDIRS.
#
INCDIRS += include \
         arch/$(ARCH)/include \
         arch/$(ARCH)/$(MACH)/include

SRCDIRS += arch/$(ARCH)/lib/cpu \
          arch/$(ARCH)/lib \
          arch/$(ARCH)/$(MACH) \
          arch/$(ARCH)/$(MACH)/command \
          arch/$(ARCH)/$(MACH)/driver \
          lib/libc/charset \
          lib/libc/crypto \
          lib/libc/ctype \
          lib/libc/environ \
          lib/libc/errno \
          lib/libc/exit \
          lib/libc/filter \
          lib/libc/locale \
          lib/libc/malloc \
          lib/libc/path \
          lib/libc/stdio \
          lib/libc/stdlib \
          lib/libc/string \
          lib/libc/time \
          lib/libm/$(ARCH) \
          lib/libm \
          lib/libx \
          init \
          kernel/command \
          kernel/core \
          kernel/graphic \
          kernel/shell \
          kernel/sound \
          kernel/time \
          kernel/vfs \
          kernel/vfs/cpio \
          kernel/vfs/ext4 \
          kernel/vfs/fat \
          kernel/vfs/ram \
          kernel/vfs/sys \
          kernel/vfs/tar \
          kernel/vision \
          kernel/xfx \
          kernel/xui \
          driver/adc \
          driver/audio \
          driver/battery \
```

```
driver/block \  
driver/block/partition \  
driver/buzzer \  
driver/camera \  
driver/clk \  
driver/clockevent \  
driver/clocksource \  
driver/compass \  
driver/console \  
driver/dac \  
driver/dma \  
driver/framebuffer \  
driver/gmeter \  
driver/gnss \  
driver/gpio \  
driver/gyroscope \  
driver/hygrometer \  
driver/i2c \  
driver/input \  
driver/input/rc \  
driver/interrupt \  
driver/led \  
driver/light \  
driver/motor \  
driver/net \  
driver/nvmem \  
driver/pressure \  
driver/proximity \  
driver/pwm \  
driver/regulator \  
driver/reset \  
driver/rng \  
driver/rtc \  
driver/sd \  
driver/servo \  
driver/spi \  
driver/stepper \  
driver/thermometer \  
driver/uart \  
driver/vibrator \  
driver/watchdog
```

```
#
```

```
# Add necessary external library
```

```
#
```

```
INCDIRS += external/libfdt-1.4.2
```

```
SRC_DIRS += external/libfdt-1.4.2
```

```
INCDIRS += external/lz4-1.9.3
```

```
SRC_DIRS += external/lz4-1.9.3
```

```

INCDIRS += external/zlib-1.2.11
SRCDIRS += external/zlib-1.2.11

INCDIRS += external/libpng-1.6.37
SRCDIRS += external/libpng-1.6.37

INCDIRS += external/jpeg-9d
SRCDIRS += external/jpeg-9d

INCDIRS += external/stb_vorbis-1.21
SRCDIRS += external/stb_vorbis-1.21

INCDIRS += external/quirc-1.1.0
SRCDIRS += external/quirc-1.1.0

INCDIRS += external/libcg-1.0.4
SRCDIRS += external/libcg-1.0.4

INCDIRS += external/freetype-2.10.4/include \
external/freetype-2.10.4/src/autofit \
external/freetype-2.10.4/src/base \
external/freetype-2.10.4/src/cache \
external/freetype-2.10.4/src/cff \
external/freetype-2.10.4/src/cid \
external/freetype-2.10.4/src/gxvalid \
external/freetype-2.10.4/src/otvalid \
external/freetype-2.10.4/src/pfr \
external/freetype-2.10.4/src/psaux \
external/freetype-2.10.4/src/pshinter \
external/freetype-2.10.4/src/psnames \
external/freetype-2.10.4/src/raster \
external/freetype-2.10.4/src/sfnt \
external/freetype-2.10.4/src/smooth \
external/freetype-2.10.4/src/truetype \
external/freetype-2.10.4/src/type1 \
external/freetype-2.10.4/src/type42 \
external/freetype-2.10.4/src/winfonts
SRCDIRS += external/freetype-2.10.4/src/autofit \
external/freetype-2.10.4/src/base \
external/freetype-2.10.4/src/cache \
external/freetype-2.10.4/src/cff \
external/freetype-2.10.4/src/cid \
external/freetype-2.10.4/src/gxvalid \
external/freetype-2.10.4/src/otvalid \
external/freetype-2.10.4/src/pfr \
external/freetype-2.10.4/src/psaux \
external/freetype-2.10.4/src/pshinter \
external/freetype-2.10.4/src/psnames \
external/freetype-2.10.4/src/raster \

```

```

        external/freetype-2.10.4/src/sfnt \
        external/freetype-2.10.4/src/smooth \
        external/freetype-2.10.4/src/truetype \
        external/freetype-2.10.4/src/type1 \
        external/freetype-2.10.4/src/type42 \
        external/freetype-2.10.4/src/winfonts

#
# Advanced custom components
#
ifeq $(strip $(CFG_FRAMEWORK)), y)
INCDIRS      += external/lua-5.4.4
SRC_DIRS    += external/lua-5.4.4
INCDIRS      += external/lua-cjson-2.1.0
SRC_DIRS    += external/lua-cjson-2.1.0
INCDIRS      += framework
SRC_DIRS    += framework \
                framework/codec \
                framework/core \
                framework/hardware
endif

ifeq $(strip $(CFG_CAIRO)), y)
INCDIRS      += external/pixman-0.40.0 \
                external/pixman-0.40.0/$(ARCH)
SRC_DIRS    += external/pixman-0.40.0 \
                external/pixman-0.40.0/$(ARCH)
INCDIRS      += external/cairo-1.17.4
SRC_DIRS    += external/cairo-1.17.4
endif

ifeq $(strip $(CFG_WBOXTEST)), y)
INCDIRS      += wboxtest
SRC_DIRS    += wboxtest \
                wboxtest/benchmark-graphic \
                wboxtest/benchmark-memory \
                wboxtest/block \
                wboxtest/camera \
                wboxtest/crypto \
                wboxtest/dma \
                wboxtest/graphic \
                wboxtest/path \
                wboxtest/stdio \
                wboxtest/task
endif

#
# You shouldn't need to change anything below this point.
#
AS          := $(CROSS_COMPILE)gcc -x assembler-with-cpp

```

```

CC      := $(CROSS_COMPILE)gcc
CXX     := $(CROSS_COMPILE)g++
LD      := $(CROSS_COMPILE)ld
AR      := $(CROSS_COMPILE)ar
SZ      := $(CROSS_COMPILE)size
OC      := $(CROSS_COMPILE)objcopy
OD      := $(CROSS_COMPILE)objdump
MKDIR   := mkdir -p
CP      := cp -af
RM      := rm -fr
CD      := cd
FIND    := find
CPIO    := cpio -o -H newc --quiet

#
# Xboot variables
#
X_ASFLAGS := $(MCFLAGS) $(ASFLAGS)
X_CFLAGS := $(MCFLAGS) $(CFLAGS)
X_LDFLAGS := $(LDFLAGS)
X_LIBS    := $(LIBS) -lgcc

X_OUT     := ../output
X_NAME    := $(patsubst %, $(X_OUT)/%, xboot)
X_INCDIRS := $(patsubst %, -I %, $(INCDIRS))
X_LIBDIRS := $(patsubst %, -L %, $(LIBDIRS))
X_SRCDIRS := $(patsubst %, %, $(SRCDIRS))
X_OBJDIRS := $(patsubst %, .obj/%, $(X_SRCDIRS))

X_ARCHS   := $(filter arch/%, $(X_SRCDIRS))
X_OTHERS  := $(filter-out arch/%, $(X_SRCDIRS))

X_SFILES := $(foreach dir, $(X_ARCHS), $(wildcard $(dir)/*.S))
X_CFILES := $(foreach dir, $(X_ARCHS), $(wildcard $(dir)/*.c))

X_SOBJS   := $(patsubst %, .obj/%, $(X_SFILES:.S=.o))
X_COBJS   := $(patsubst %, .obj/%, $(X_CFILES:.c=.o))
X_OBJS    := $(X_SOBJS) $(X_COBJS) $(foreach dir, $(X_OTHERS), .obj/$(dir)/built-in.o)

.PHONY: all clean romdisk xbegin xend xclean $(X_NAME) $(X_ARCHS) $(X_OTHERS)
export AS CC LD X_ASFLAGS X_CFLAGS X_INCDIRS

#
# Xboot rules
#
all : xend

xend : $(X_NAME)

$(X_NAME) : $(X_OBJS)

```

```

@echo [LD] Linking $@
@$(CC) $(X_LDFLAGS) $(X_LIBDIRS) -Wl,--cref,-Map=$@.map $^ -o $@ $(X_LIBS)
@echo [OC] Objcopying $@.bin
@$(OC) -v -O binary $@ $@.bin

$(X_OBJS) : $(X_OTHERS)

$(X_OTHERS) : $(X_ARCHS)
    @$(MAKE) -s -f rules.mk SRCDIR=$@ NAME=.obj/$@/built-in.o

$(X_ARCHS) : xbegin
    @$(MAKE) -s -f rules.mk SRCDIR=$@

xbegin : romdisk

romdisk :
    @echo [ROMDISK] Packing romdisk
    @$(MKDIR) $(X_OBJDIRS) $(X_OUT)
    @$(RM) .obj/init/version.o
    @$(RM) .obj/driver/block/romdisk.o
    @$(RM) .obj/romdisk
    @$(RM) .obj/romdisk.cpio
    @$(CP) romdisk .obj
ifeq ($(strip $(CFG_FRAMEWORK)), y)
    @$(CP) framework/romdisk .obj
endif
    @$(CP) arch/$(ARCH)/$(MACH)/romdisk .obj
    @$(CD) .obj/romdisk && $(FIND) . -not -name . | $(CPIO) > ../romdisk.cpio

clean : xclean
    @$(RM) .obj $(X_OUT)

```

编译失败问题:

F1C100S:

100s、200s

CROSS_COMPILE ?= arm-none-eabi-

#CROSS_COMPILE ?= E:\xBoot\gcc-arm-10.2-2020.11-mingw-w64-i686-arm-none-eabi\bin\arm-none-eabi-

PLATFORM ?= arm32-f1c100s

编译信息:

make all

process_begin: CreateProcess(NULL, pwd, ...) failed.

[ROMDISK] Packing romdisk

[CC] arch/arm32/mach-f1c100s/dmapool.c

[AS] arch/arm32/mach-f1c100s/start.S

[CC] arch/arm32/mach-f1c100s/sys-copyself.c

[CC] arch/arm32/mach-f1c100s/driver/spi-f1c100s.c

[CC] arch/arm32/mach-f1c100s/driver/cam-f1c100s-tvd.c

[CC] arch/arm32/mach-f1c100s/cache-v5.c

[CC] arch/arm32/mach-f1c100s/driver/sdhci-f1c100s.c

[CC] arch/arm32/mach-f1c100s/sys-jtag.c

```
[CC] arch/arm32/mach-f1c100s/driver/reset-f1c100s.c
[CC] arch/arm32/mach-f1c100s/sys-spinor.c
[CC] arch/arm32/mach-f1c100s/driver/pwm-f1c100s.c
[CC] arch/arm32/mach-f1c100s/sast-kk131.c
[CC] arch/arm32/mach-f1c100s/sys-mmu.c
[CC] arch/arm32/mach-f1c100s/driver/uart-16550.c
[CC] arch/arm32/mach-f1c100s/driver/irq-f1c100s.c
[CC] arch/arm32/mach-f1c100s/sys-decompress.c
[CC] arch/arm32/mach-f1c100s/driver/wdg-f1c100s.c
[CC] arch/arm32/mach-f1c100s/sys-uart.c
[CC] arch/arm32/mach-f1c100s/sys-hash.c
[CC] arch/arm32/mach-f1c100s/driver/fb-f1c100s.c
[CC] arch/arm32/mach-f1c100s/exception.c
[CC] arch/arm32/mach-f1c100s/driver/cs-f1c100s-timer.c
[CC] arch/arm32/mach-f1c100s/driver/key-f1c100s-lradc.c
[CC] arch/arm32/mach-f1c100s/sys-dram.c
[CC] arch/arm32/mach-f1c100s/driver/clk-f1c100s-pll.c
[CC] arch/arm32/mach-f1c100s/sys-verify.c
[CC] arch/arm32/mach-f1c100s/mmu.c
[CC] arch/arm32/mach-f1c100s/driver/i2c-f1c100s.c
[CC] arch/arm32/mach-f1c100s/sys-clock.c
[CC] arch/arm32/mach-f1c100s/driver/ts-f1c100s.c
[CC] arch/arm32/mach-f1c100s/driver/dma-f1c100s.c
[CC] arch/arm32/mach-f1c100s/driver/ce-f1c100s-timer.c
[CC] arch/arm32/mach-f1c100s/driver/gpio-f1c100s.c
[CC] arch/arm32/mach-f1c100s/driver/irq-f1c100s-gpio.c
[CC] arch/arm32/mach-f1c100s/driver/audio-f1c100s.c
[CC] init/version.c
```

```
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe:
```

```
error: .obj/init/built-in.o uses VFP register arguments, .obj/init/version.o does not
```

```
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe:
```

```
warning: .obj/init/version.o uses variable-size enums yet the output is to use 32-bit enums; use of enum values across objects may fail
```

```
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe: failed to merge target specific data of file .obj/init/version.o
```

```
make.exe[2]: *** [.obj/init/built-in.o] Error 1
```

```
make[1]: *** [init] Error 2
```

```
make[1]: *** Waiting for unfinished jobs....
```

```
make: *** [all] Error 2
```

```
"make all" terminated with exit code 2. Build might be incomplete.
```

```
15:56:29 Build Failed. 4 errors, 0 warnings. (took 5s.666ms)
```

F1C200S:

```
# 100s、200s
```

```
CROSS_COMPILE    ?= arm-none-eabi-
```

```
#CROSS_COMPILE    ?= E:\xBoot\gcc-arm-10.2-2020.11-mingw-w64-i686-arm-none-eabi\bin\arm-none-eabi-
```

```
PLATFORM         ?= arm32-f1c200s
```

编译信息:

```
make all
process_begin: CreateProcess(NULL, pwd, ...) failed.
[ROMDISK] Packing romdisk
[AS] arch/arm32/mach-f1c200s/start.S
[CC] arch/arm32/mach-f1c200s/dmapool.c
[CC] arch/arm32/mach-f1c200s/sys-copyself.c
[CC] arch/arm32/mach-f1c200s/driver/clk-f1c200s-pll.c
[CC] arch/arm32/mach-f1c200s/driver/i2c-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/uart-16550.c
[CC] arch/arm32/mach-f1c200s/cache-v5.c
[CC] arch/arm32/mach-f1c200s/sys-jtag.c
[CC] arch/arm32/mach-f1c200s/driver/ts-ns2009.c
[CC] arch/arm32/mach-f1c200s/sys-spinor.c
[CC] arch/arm32/mach-f1c200s/driver/sdhci-f1c200s.c
[CC] arch/arm32/mach-f1c200s/widora.c
[CC] arch/arm32/mach-f1c200s/sys-mmu.c
[CC] arch/arm32/mach-f1c200s/driver/irq-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/wdg-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/dma-f1c200s.c
[CC] arch/arm32/mach-f1c200s/sys-decompress.c
[CC] arch/arm32/mach-f1c200s/sys-uart.c
[CC] arch/arm32/mach-f1c200s/sys-hash.c
[CC] arch/arm32/mach-f1c200s/driver/ce-f1c200s-timer.c
[CC] arch/arm32/mach-f1c200s/driver/gpio-f1c200s.c
[CC] arch/arm32/mach-f1c200s/exception.c
[CC] arch/arm32/mach-f1c200s/sys-dram.c
[CC] arch/arm32/mach-f1c200s/driver/irq-f1c200s-gpio.c
[CC] arch/arm32/mach-f1c200s/sys-verify.c
[CC] arch/arm32/mach-f1c200s/driver/audio-f1c200s.c
[CC] arch/arm32/mach-f1c200s/mmu.c
[CC] arch/arm32/mach-f1c200s/driver/reset-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/spi-f1c200s.c
[CC] arch/arm32/mach-f1c200s/sys-clock.c
[CC] arch/arm32/mach-f1c200s/driver/cam-f1c200s-tvd.c
[CC] arch/arm32/mach-f1c200s/driver/pwm-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/fb-f1c200s.c
[CC] arch/arm32/mach-f1c200s/driver/cs-f1c200s-timer.c
[CC] arch/arm32/mach-f1c200s/driver/key-f1c200s-lradc.c
[CC] init/version.c
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe:
error: .obj/init/built-in.o uses VFP register arguments, .obj/init/version.o does not
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe:
warning: .obj/init/version.o uses variable-size enums yet the output is to use 32-bit enums; use of enum values
across objects may fail
E:/xBoot/eclipse-for-xboot-windows-x86_64/compiler/arm-none-eabi/bin/arm-none-eabi-ld.exe: failed to merge
target specific data of file .obj/init/version.o
make.exe[2]: *** [.obj/init/built-in.o] Error 1
make[1]: *** [init] Error 2
make[1]: *** Waiting for unfinished jobs....
```

```
make: *** [all] Error 2
```

```
"make all" terminated with exit code 2. Build might be incomplete.
```

```
16:00:49 Build Failed. 4 errors, 0 warnings. (took 6s.949ms)
```

```
F133:
```

```
# 100s、200s
```

```
CROSS_COMPILE      ?= riscv64-unknown-elf-
```

```
#CROSS_COMPILE     ?= E:\xBoot\Xuantie-900-gcc-elf-newlib-mingw-V2.2.4\bin\riscv64-unknown-elf-
```

```
PLATFORM          ?= riscv64-f133
```

```
编译信息:
```

```
make all
```

```
process_begin: CreateProcess(NULL, pwd, ...) failed.
```

```
[ROMDISK] Packing romdisk
```

```
make (e=-1): Error -1
```

```
make.exe[2]: *** [.obj/lib/libm/riscv64/built-in.o] Error -1
```

```
make[1]: *** [lib/libm/riscv64] Error 2
```

```
make[1]: *** Waiting for unfinished jobs....
```

```
make: *** [all] Error 2
```

```
"make all" terminated with exit code 2. Build might be incomplete.
```

```
16:07:22 Build Failed. 4 errors, 0 warnings. (took 3s.254ms)
```