

# the Description of Problem 3

Fork

\* Name: Gong Zheng   Student ID: 5130309210   Email: 573965625@qq.com

## 1. Files

- fork.c
- Android.mk

## 2. How to operate

- Use command *ndk -build* to generate forkARM.
- Use command *emulator -avd YourAvdName -kernel KernelLocation -show -kernel* to start AVD with a new kernel.
- Use command *adb push #sourcepath# #target path on device#* to push forkARM to AVD.
- Use command *adb shell* to use shell command like linux in AVD.
- Use command *.forkARM* to run it.

## 3. Programming instructions

- fork()

**Instruction.**

*the key function.*

- if-nest

**Instruction.**

*pid == 0, print child and call pstreeARM.*

*pid > 0, print parent.*

*pid < 0, god knows what is wrong.*