

ARM Assembly

lab 06

in_range

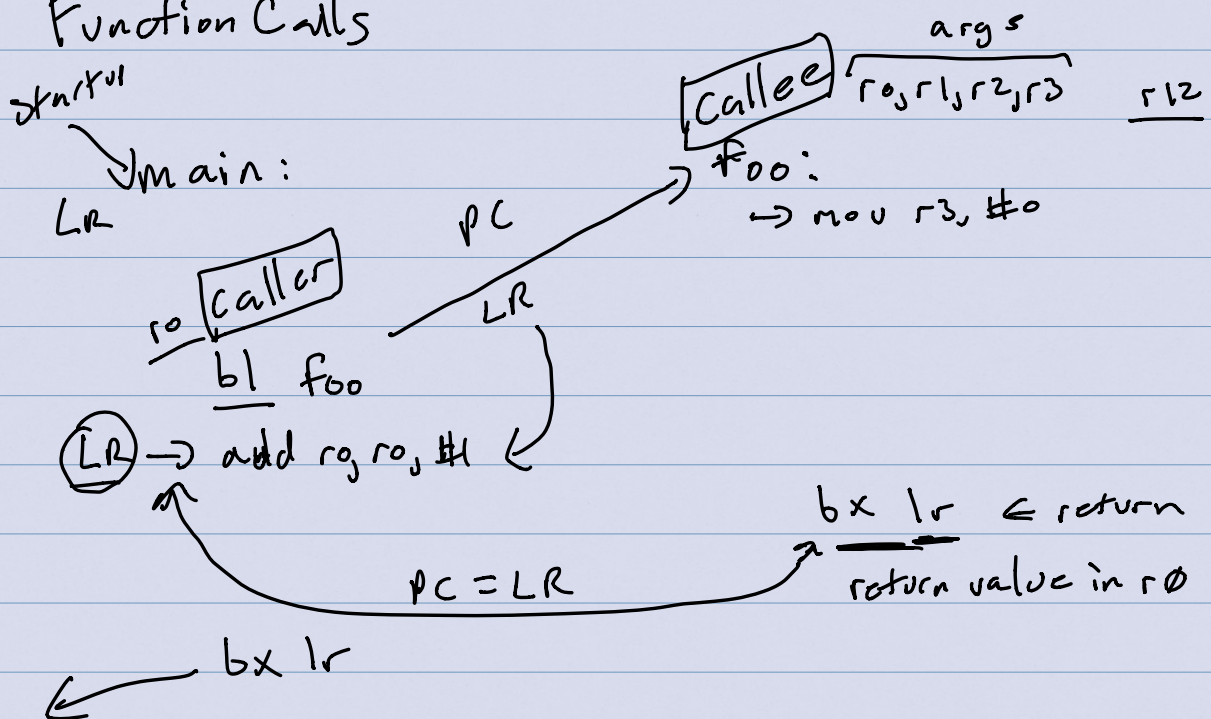
count_zeros

sum_array

Function Calls

add4_s using add2_s

Function Calls



`bl` branch and link

`bx` branch and exchange

`PC` program counter

`lr` link register

Registers

caller - saved registers

r0, r1, r2, r3, r12, lr

callee saved registers

r4 - r11 sp

r0

1

r10

r11 fp

r12 ip

r13 sp

r14 lr

r15 pc

foo:

sub sp, sp, #8

str r4, [sp]

⋮
r4
⋮

ldr r4, [sp]

add sp, sp, #8

bx lr

