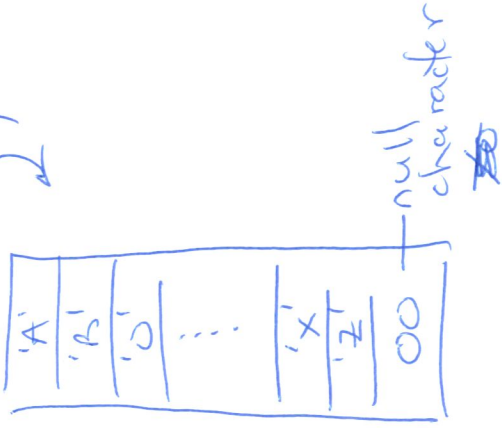


string length function:

`n = strlen (&s);`

↳ pointer to char string

Main: `& r0, #8`
`b0 strlen`



↳ pass pointer to string in r0
 ↳ return #chars in string in r0

```
strlen
loop
    mov r2, #0
    ldrb r1, [r0], #1
    cmp r1, #0
    beq exit
    add r2, #1
    b loop
    mov r0, r2
    bx lr

exit
```

`; char count`
`; get char`
`; null?`
`; quit if null`
`; add 1 to #char`
`; check next char`
`; return result in r0`
`; return to main`

`printf ("Answer = %d\n", r0)` integer

↳ new line
 Convert integer to string of decimal digit

value address

$2 = \text{vic} (I, \&I);$

int I;

~~int vic (int I, int &I)~~

int v_i

"Convention"

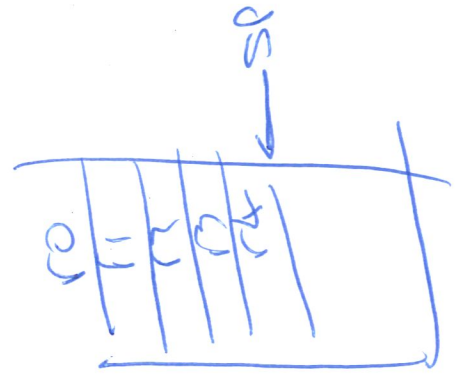
r0-r3

1st 4 parameters

r0 = result returned

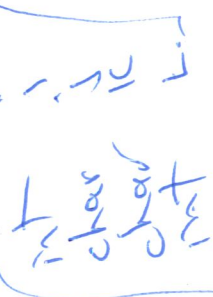
ldc r0, I
ldc r0, [r0]
ldc r1, r0
bld vic

push {r0, r1}

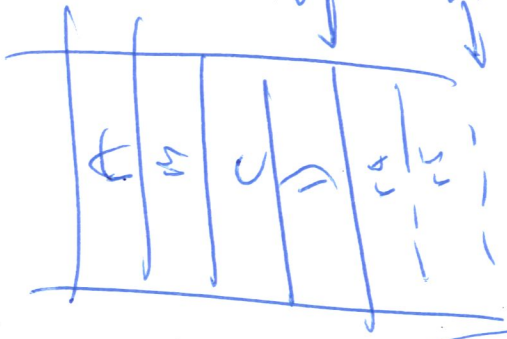


~~Method~~

Structure:



high



push {r4,r5}

pop {r6,r9}

~~SP (ptr)~~
← SP
← SP

stndb r13, {r4,r5}

ldmia r13!, {r6,r9}

~~ptr~~

