This is a list of programs similar to the random ones that Web-CAT will be using to test your code for Part 2. After .end for each is the output that running assemble should generate for the code.

Use these as a starting point for testing. Change the opcodes. Put in comments. Play around with spacing. Make sure your program covers everything.

.orig x69E6

add R0 , R2 , #-5

.end

69E6

10BB

.orig xEDC9

and R3 , R4 , #12

.end

EDC9

572C

.orig x995F

Not R7 , R4

.end

995F

9F3F

.orig x8E08

TRAP x23

.end

8E08

F023

.orig x8A39

Brz L3

And R3 , R3 , #11

And R1 , R0 , #-7

L3

add R2 , R5 , #-2

And R6 , R2 , #-15

.end

8A39

0402

56EB

5239

157E

5CB1

.orig x156E

add R2 , R2 , R4

L8

And R1 , R6 , #-1

Brz L8

.end

156E

1484

53BF

05FE

.orig xD25F

L4 .fill 0

L2 .fill 0

And R3 , R0 , R7

st R1 , L4

.end

D25F

0000

0000

5607

33FC

.orig x51FC

L0 .fill 0

And R6 , R1 , R4

And R2 , R2 , #13

st R4 , L0

.end

51FC

0000

5C44

54AD

39FC

.orig xC7C9

LD R2 , L8

add R1 , R4 , R6

L8 .fill 0

.end

C7C9

2401

1306

0000

.orig x4A21

L1 .fill 0

L0 .fill 0

add R5 , R1 , R7

And R6 , R6 , #-3

LD R2 , L0

.end

4A21

0000

0000

1A47

5DBD

25FC

.orig xE02D

str R6 , R5 , #-10

.end

E02D

7D76

.orig xD7D6

LDr R2 , R4 , #3

.end

D7D6

6503