

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
```