

Typesetting LC-3 Assembly with L^AT_EX

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1 ; This is a LC-3 assembly demo
2 ; from Page 179.
3 .ORIG x3000
4 LD R1, SIX
5 LD R2, NUMBER
6 AND R3, R3, #0          ; Clear R3. It will contain the
   ↪ product.
7
8 ; The inner loop
9 AGAIN ADD R3, R3, R2
10      ADD R1, R1, #-1
11      BRp AGAIN
12
13 HALT
14
15 NUMBER .BLKW 1
16 SIX    .FILL x0006
17
18 .END
```

Listing 1: Wow, such a wonderful LC-3 program!