

Assembler Boot Camp Brain Twister

This program is decidedly abnormal. The source code is intentionally difficult to understand. No sane person writes code like this.

Don't try to understand the source program. If you can follow its execution, Assembler Language will hold no fears for you.

```
DEMENTIA CSECT
        USING DEMENTIA,12
        LR    12,15
        A     15,X
        BALR  12,15
X       DC   A(X'12')
        DC   F'4'
EXIT    BR    14
        L    10,X-4
        B    X-4(10)
        END

$ENTRY
```

Your listing will look like this:

```
000000          00000 0001A    1 DEMENTIA CSECT
                   00000          2          USING DEMENTIA,12
000000 18CF          3          LR    12,15
000002 5AF0 C008          4          A     15,X
000006 05CF          5          BALR  12,15
000008 00000012          6 X       DC   A(X'12')
00000C 00000004          7          DC   F'4'
000010 07FE          8 EXIT    BR    14
000012 58A0 C004          9          L    10,X-4
000016 47FA C004         10          B    X-4(10)
                   11          END
```