## TESTSPE1.ZSM

```
*******************************
* Copyright 2008 Automated Software Tools Corporation
* This source code is part of z390 assembler/emulator package
                                                               *
* The z390 package is distributed under GNU general public license
* Author - Don Higgins
**************************
* 09/17/08 RPI 911 CHANGE ASELECT TO ACASE AND APM TO ACALL
* 09/23/08 RPI 911 new regression test for SPM's
**************************
        TITLE 'TESTSPE1 - TEST STRUCTURED PROGRAMMING EXTENSIONS'
* TEST ZSTRMAC SPE'S FOR CONDITIONAL MACRO CODE VIA MZ390 OR
TRANSLATOR
             SETA 1
        :&I
        AIF
             (&I EQ 1)
                        TEST TRUE
             MNOTE 'AIF TRUE I=&I'
        AEND
             SETA 2
        :&I
        AIF
              (&I EQ 1)
                        TEST FALSE
             MNOTE 8, 'AIF FALSE I=&I'
        AELSEIF (&I EQ 2) TEST TRUE
             MNOTE 'AELSEIF TRUE I=&I'
        AELSE
             AIF
                   (&I EQ 1)
                              TEST FALSE
                   MNOTE 8, 'NESTED AIF FALSE I=&I'
             AELSEIF (&I EQ 3) TEST FALSE
                   MNOTE 8, 'NESTED AELSEIF FALSE I=&I'
             AELSE
                   MNOTE 'NESTED AELSE TRUE I=&I'
             AEND
        AEND
        :&I
             SETA 1
        AUNTIL (&I GT 5)
             MNOTE 'AUNTIL 1-5 I=&I'
             AIF (&I EQ 3)
                 MNOTE 'EXITING AUNTIL IF I=3'
                 AEXIT AUNTIL
             AEND
              :&I SETA &I+1
        AEND
        :&I
             SETA 1
        AWHILE (&I LE 5)
             MNOTE 'AWHILE 1-5 I=&I'
              :&I SETA &I+1
        AEND
        ACALL COUNT
```

## TESTSPE1.ZSM

ACASE (&J) AWHEN 1

AWHEN 2

AWHEN 3

:&J SETA &J+1

**AELSE** 

AEND

MNOTE 'AWHEN J=1'

MNOTE 'AWHEN J=2'

MNOTE 'AWHEN J=3'

MNOTE 'AELSE J=&J'

:&I SETA 0 AWHILE (&I LE 4) ACASE (&I) AWHEN 1 MNOTE 'AWHEN I=1' AWHEN 2 MNOTE 'AWHEN I=2' :&J SETA 0 AWHILE (&J LE 4) **AEND** AWHEN 3 MNOTE 'AWHEN I=3' AELSE MNOTE 'AELSE I=&I' AEND :&I SETA &I+1 AEND \* PERFORMED ROUTINES **AENTRY COUNT** :&COUNT SETA &COUNT+1 MNOTE 'COUNT=&COUNT' AEND \* ASM PGM TESTSPE1 CSECT SR 15,15 14 BR END

ACALL COUNT

Page 2