

Invocation parameters:

OPTFILE

PROCESS(CBL) statements:

CBL LIST
 cbl apost
 cbl codepage(1147)
 cbl initcheck
 cbl numcheck(ABD)
 cbl optimize(1)

LineID PL SL -----*A-1-B-+-----2-----3-----4-----5-----6-----7-!-----8 Map and Cross Reference

/* TESTNUMC

000001	Identification division.		
000002	Program-id. TestNumC.		
000003	Environment division.		
000004	Data division.		
000005	Working-storage section.		
000006	01 DATA-NOTNUM pic X(4).		000000000 4C
000007	01 DATA-NUM1 redefines DATA-NOTNUM		000000000 4C
		6	
000008	pic S9(4) display.		
000009	01 DATA-NUM2 pic S9(4) packed-decimal.		000000000 3P
000010	01 SQL-VERS.		000000000 0CL68
000011	05 SQL-VERS-PREF PIC X(04) VALUE 'VER.'		000000000 4C
000012	05 SQL-VERS-DATA PIC X(64)		000000004 64C
000013	VALUE '2019-09-04-09.08.10.433360'.		
000014	77 SQL-TEMP PIC X(128).		000000000 128C
000015	77 DSN-TEMP PIC S9(9) COMP-5.		000000000 4C
000016	77 DSN-TMP2 PIC S9(18) COMP-3.		000000000 10P
000017	77 DSNROWS PIC S9(9) COMP-5.		000000000 4C
000018	77 DSNNTYPE PIC S9(4) COMP-5.		000000000 2C
000019	77 DSNLEN PIC S9(4) COMP-5.		000000000 2C
000020	77 SQL-NULL PIC S9(9) COMP-5 VALUE +0.		000000000 4C
000021	77 SQL-INIT-FLAG PIC S9(4) COMP-5 VALUE +0.		000000000 2C
000022	88 SQL-INIT-DONE VALUE +1.		
000023	77 SQL-FILE-READ PIC S9(9) COMP-5 VALUE +2.		000000000 4C
000024	77 SQL-FILE-CREATE PIC S9(9) COMP-5 VALUE +8.		000000000 4C
000025	77 SQL-FILE-OVERWRITE PIC S9(9) COMP-5 VALUE +16.		000000000 4C
000026	77 SQL-FILE-APPEND PIC S9(9) COMP-5 VALUE +32.		000000000 4C
000027			
000028	Procedure division.		
000029	DSNSQL SECTION.		
000030	SQL-SKIP.		
000031	GO TO SQL-INIT-END.	34	
000032	SQL-INITIAL.		
000033	MOVE 1 TO SQL-INIT-FLAG.	21	
000034	SQL-INIT-END.		
000035	CONTINUE.		
000036			
000037	Main.		
000038	move "HAHA" to DATA-NOTNUM	6	
000039	move DATA-NUM1 to DATA-NUM2	7 9	
000040	.		
000041	Bye.		
000042	Goback		

000043
000044
*/ TESTNUMC

.
End program TestNumC.

```

000002:      Program-id. TestNumC.
000000      000002      PROC      TESTNUMC
[...
0001D2      000037      MAIN:      EQU      *
0001D2      000037      SNAPSHOT PATHLABEL
000038:      move "HAHA" to DATA-NOTNUM
0001D2      000038      SNAPSHOT STMT
0001D2      E544 9098 C8C1      000038      MVHHI      152(,R9),X'C8C1'      £ DATA-NOTNUM
0001D8      E544 909A C8C1      000038      MVHHI      154(,R9),X'C8C1'      £ DATA-NOTNUM
000039:      move DATA-NUM1 to DATA-NUM2
0001DE      000039      SNAPSHOT STMT
0001DE      4140 9098      000038      LA      R4,152(,R9)      £ DATA-NOTNUM ← wrong line number
0001E2      D503 4000 3230      000039      CLC      0(4,R4),560(R3)      £
0001E8      A784 004A      000039      JE      L0050
0001EC      1722      000039      XR      R2,R2
0001EE      DD03 4000 3054      000039      TRT      0(4,R4),84(R3)      £
0001F4      A7D4 0044      000039      BRC      13,L0050
0001F8      C02B 0000 007F      000039      NILF      R2,X'0000007F'
0001FE      A764 003F      000039      JNE      L0050
000202      A7F4 0004      000039      J      L0049
000206      A7F4 003B      000039      J      L0050      ← dead code
00020A      000039      L0049:      EQU      *
00020A      F223 90A0 9098      000039      PACK      160(3,R9),152(4,R9)      £
000210      000041      BYE:      EQU      *
000210      000041      SNAPSHOT PATHLABEL
000042:      Goback
000210      000042      SNAPSHOT STMT
000210      000042      SNAPSHOT EXIT
[...
00027A      000002      RET
00027A      0700      000002      NOP
00027C      000039      L0050:      EQU      *      ← after end of program
00027C      1851      000039      LR      R5,R1
00027E      D213 D0F0 3238      000039      MVC      240(20,R13),568(R3)      £
000284      4110 D0F0      000039      LA      R1,240(,R13)      £ _ArgumentList2
000288      58F0 3234      000039      L      R15,564(,R3)      £
00028C      58C0 D080      000039      L      R12,128(,R13)      £
000290      0DEF      000039      BASR      R14,R15      £ Call "IGZXSMMSG" ← abend U4038/U4039 + dump
000292      1815      000039      LR      R1,R5

```

CBL OFFSET :

LINEID	HEXLOC	VERBCODE	LINEID	HEXLOC	VERBCODE	LINEID	HEXLOC	VERBCODE
000031	0001D2	GO	000033	0001D2	MOVE	000035	0001D2	CONTINUE
000038	0001D2	MOVE	000039	0001DE	MOVE	000042	000210	GOBACK

ABEND :

IGZ0278S The contents of data item DATA-NUM1 at the time of reference by statement number 1 on line 39 failed the NUMERIC class test or contained a value larger than the PICTURE clause as detected by the NUMCHECK compiler option.

From compile unit TESTNUMC at entry point TESTNUMC at compile unit offset +00000290 at entry offset +00000290 at address 2E700290.