



```

DDDDDDDD      000000      CCCCCCCC      AAAAAA      SSSSSSSS      EEEEEEEEEEE
DDDDDDDD      000000      CCCCCCCC      AAAAAA      SSSSSSSS      EEEEEEEEEEE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SSSSSS      EEEEEEEEE
DD      DD      00      00      CC      AA      AA      SSSSSS      EEEEEEEEE
DD      DD      00      00      CC      AAAAAAAAAA      SS      EE
DD      DD      00      00      CC      AAAAAAAAAA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DD      DD      00      00      CC      AA      AA      SS      EE
DDDDDDDD      000000      CCCCCCCC      AA      AA      SSSSSSSS      EEEEEEEEEEE
DDDDDDDD      000000      CCCCCCCC      AA      AA      SSSSSSSS      EEEEEEEEEEE

```

```

LL      IIIIIII      SSSSSSSS
LL      IIIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL IIIIIII SSSSSSSS
LLLLLLLLLLLL IIIIIII SSSSSSSS

```

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....
....
....
....

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1 0001 0 %TITLE 'Setup character case translation rules'
2 0002 0 MODULE DOCASE (
3 0003 0 IDENT = 'V04-000'
4 P 0004 0 %BLISS32C,
5 P 0005 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
6 0006 0 ]
7 0007 0 ) =
8 0008 1 BEGIN
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1 ++
34 0034 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
35 0035 1
36 0036 1 ABSTRACT: Processes .UPPER CASE and .LOWER CASE commands, and
37 0037 1 other case translation requests.
38 0038 1
39 0039 1
40 0040 1 ENVIRONMENT: Transportable
41 0041 1
42 0042 1 AUTHOR: R.W.Friday CREATION DATE: May, 1978
43 0043 1

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: 45      0044 1 %SBTTL 'Revision History'
: 46      0045 1
: 47      0046 1   MODIFIED BY:
: 48      0047 1
: 49      0048 1           003   REM00003   Ray Marshall   7-Novembe--1983
: 50      0049 1           Added supporting logic for the case rules for the DEC multi-
: 51      0050 1           national character set.
: 52      0051 1
: 53      0052 1           002   KFA00002   Ken Alden      07-Mar-1983
: 54      0053 1           Global edit of all modules. Updated module names, idents,
: 55      0054 1           copyright dates. Changed require files to BLISS library.
: 56      0055 1
: 57      0056 1   --

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: 59 0057 1 %SBTTL 'Module Level Declarations'
: 60 0058 1
: 61 0059 1
: 62 0060 1 : TABLE OF CONTENTS:
: 63 0061 1 :
: 64 0062 1
: 65 0063 1 FORWARD ROUTINE
: 66 0064 1 SETCAS : NOVALUE;
: 67 0065 1
: 68 0066 1 :
: 69 0067 1 : INCLUDE FILES:
: 70 0068 1 :
: 71 0069 1
: 72 0070 1 LIBRARY 'XPORT:XPORT'; ! XPORT Library
: 73 0071 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions
: 74 0202 1
: 75 U 0203 1 %IF DSRPLUS %THEN
: 76 U 0204 1 LIBRARY 'REQ:DPLLIB'; ! DSRPLUS BLISS Library
: 77 0205 1 %ELSE
: 78 0206 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library
: 79 0207 1 %FI
: 80 0208 1
: 81 0209 1 :
: 82 0210 1 : MACROS:
: 83 0211 1 :
: 84 0212 1 :
: 85 0213 1 : EQUATED SYMBOLS:
: 86 0214 1 :
: 87 0215 1 :
: 88 0216 1 : OWN STORAGE:
: 89 0217 1 :
: 90 0218 1 :
: 91 0219 1 : EXTERNAL REFERENCES:
: 92 0220 1 :
: 93 0221 1 :
: 94 0222 1 EXTERNAL
: 95 0223 1 GCA : GCA_DEFINITION,
: 96 0224 1 SCA : SCA_DEFINITION;
: 97 0225 1

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99 0226 1 GLOBAL ROUTINE DOCASE (HANDLER_CODE) : NOVALUE =
100 0227 1
101 0228 1 !++
102 0229 1 FUNCTIONAL DESCRIPTION:
103 0230 1
104 0231 1     Establishes the default case translation rules until they
105 0232 1     are changed.
106 0233 1
107 0234 1 FORMAL PARAMETERS:
108 0235 1
109 0236 1     HANDLER_CODE indicates the command that is to be processed.
110 0237 1
111 0238 1 IMPLICIT INPUTS:      None
112 0239 1
113 0240 1 IMPLICIT OUTPUTS:
114 0241 1
115 0242 1     GCA_CASE is set to remember the case set by the most
116 0243 1     recent .UPPER CASE or .LOWER CASE command.
117 0244 1
118 0245 1 ROUTINE VALUE:
119 0246 1 COMPLETION CODES:      None
120 0247 1
121 0248 1 SIDE EFFECTS: None
122 0249 1
123 0250 1 --
124 0251 1
125 0252 2 BEGIN
126 0253 2
127 0254 2 IF
128 0255 2     .HANDLER_CODE EQL H_UPPER_CASE
129 0256 2 THEN
130 0257 3 BEGIN
131 0258 3 GCA_CASE = LEAVE_CASE;
132 0259 3 SETCAS (LEAVE_CASE);
133 0260 3 END
134 0261 2 ELSE
135 0262 3 BEGIN
136 0263 3 GCA_CASE = FORCE_LOWER;
137 0264 3 SETCAS (FORCE_LOWER);
138 0265 2 END;
139 0266 2
140 0267 1 END;
!End of DOCASE

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```

.TITLE DOCASE Setup character case translation rules
.IDENT \V04-000\
.EXTRN GCA, SCA
.PSECT $CODE$,NOWRT,2
.ENTRY DOCASE, Save nothing
CMPL HANDLER_CODE, #205
BNEQ 1$
CLRL @GCA+128
CLRL -(SP)
BRB 2$

```

```

000000CD 8F 04 AC D1 00002
0000000G FF D4 0000C
7E D4 00012
0A 11 00014

```

```

: 0226
: 0255
:
: 0258
: 0259
:

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143 0269 1 GLOBAL ROUTINE SETCAS (TRANSLATION) : NOVALUE =      !
144 0270 1
145 0271 1 !++
146 0272 1 FUNCTIONAL DESCRIPTION:
147 0273 1
148 0274 1     This routine sets up case rules.
149 0275 1
150 0276 1 FORMAL PARAMETERS:
151 0277 1
152 0278 1     TRANSLATION can have one of the values defined in SETCAS.REQ.
153 0279 1
154 0280 1 IMPLICIT INPUTS:
155 0281 1
156 0282 1     SCA_WORD_SET:
157 0283 1     If being called as a result of a command, then SCA_WORD_SET
158 0284 1     will be FALSE, so case translation will be established
159 0285 1     for everything.  If not being called as a result of a command,
160 0286 1     case rules for the current word take precedence over the
161 0287 1     default case translation.  For example, assuming the normal
162 0288 1     flag character definitions, and the capitalize flag enabled,
163 0289 1     the sequence ^^<lower generates 'LOWER', as should <^^lower.
164 0290 1     The latter situation is what the SCA_WORD_SET test catches.
165 0291 1     In any case, the requested case translation takes effect as
166 0292 1     soon as a new word is started, or SCA_WORD_SET becomes false.
167 0293 1
168 0294 1 IMPLICIT OUTPUTS:      None
169 0295 1
170 0296 1 ROUTINE VALUE:
171 0297 1 COMPLETION CODES:      None
172 0298 1
173 0299 1 SIDE EFFECTS: None
174 0300 1
175 0301 1 --
176 0302 1
177 0303 2 BEGIN
178 0304 2
179 0305 2 CASE .TRANSLATION FROM SETCASE_LOW TO SETCASE_HIGH OF
180 0306 2 SET
181 0307 2
182 0308 2 [FORCE_UPPER] :
183 0309 2 !Force all letters to upper case.
184 0310 3 BEGIN
185 0311 3 IF NOT .SCA_WORD_SET
186 0312 3 THEN
187 0313 3 !Case rules take effect immediately.
188 0314 4 BEGIN
189 0315 4 SCA_WRD_FC_LT = %C'A' - %C'a';
190 0316 4 SCA_WRD_FC_UT = 0;
191 0317 4 SCA_WRD_OC_LT = %C'A' - %C'a';
192 0318 4 SCA_WRD_OC_UT = 0;
193 0319 4
194 0320 4 SCA_MNWRD_FC_LT = %DECIMAL'192' - %DECIMAL'224';
195 0321 4 SCA_MNWRD_FC_UT = 0;
196 0322 4 SCA_MNWRD_OC_LT = %DECIMAL'192' - %DECIMAL'224';
197 0323 4 SCA_MNWRD_OC_UT = 0;
198 0324 3 END;
199 0325 3

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200 0326 SCA_FCBE_LT = %C'A' - %C'a';
201 0327 SCA_FCBE_UT = 0;
202 0328 SCA_OCBE_LT = %C'A' - %C'a';
203 0329 SCA_OCBE_UT = 0;
204 0330 SCA_FC_LT = %C'A' - %C'a';
205 0331 SCA_FC_UT = 0;
206 0332 SCA_OC_LT = %C'A' - %C'a';
207 0333 SCA_OC_UT = 0;
208 0334
209 0335 SCA_MNFCBE_LT = %DECIMAL'192' - %DECIMAL'224';
210 0336 SCA_MNFCBE_UT = 0;
211 0337 SCA_MNOCBE_LT = %DECIMAL'192' - %DECIMAL'224';
212 0338 SCA_MNOCBE_UT = 0;
213 0339 SCA_MNFC_LT = %DECIMAL'192' - %DECIMAL'224';
214 0340 SCA_MNFC_UT = 0;
215 0341 SCA_MNOC_LT = %DECIMAL'192' - %DECIMAL'224';
216 0342 SCA_MNOC_UT = 0;
217 0343 END;
218 0344
219 0345 [FORCE_LOWER] :
220 0346 !Force all letters to lower case.
221 0347 BEGIN
222 0348
223 0349 IF NOT .SCA_WORD_SET
224 0350 THEN
225 0351 !Case translation takes effect immediately.
226 0352 BEGIN
227 0353 SCA_WRD_FC_LT = 0;
228 0354 SCA_WRD_OC_LT = 0;
229 0355 SCA_WRD_FC_UT = %C'a' - %C'A';
230 0356 SCA_WRD_OC_UT = %C'a' - %C'A';
231 0357
232 0358 SCA_MNWRD_FC_LT = 0;
233 0359 SCA_MNWRD_OC_LT = 0;
234 0360 SCA_MNWRD_FC_UT = %DECIMAL'224' - %DECIMAL'192';
235 0361 SCA_MNWRD_OC_UT = %DECIMAL'224' - %DECIMAL'192';
236 0362 END;
237 0363
238 0364 SCA_FC_LT = 0;
239 0365 SCA_OC_LT = 0;
240 0366 SCA_FC_UT = %C'a' - %C'A';
241 0367 SCA_OC_UT = %C'a' - %C'A';
242 0368 SCA_FCBE_LT = 0;
243 0369 SCA_FCBE_UT = %C'a' - %C'A';
244 0370 SCA_OCBE_LT = 0;
245 0371 SCA_OCBE_UT = %C'a' - %C'A';
246 0372
247 0373 SCA_MNFC_LT = 0;
248 0374 SCA_MNOC_LT = 0;
249 0375 SCA_MNFC_UT = %DECIMAL'224' - %DECIMAL'192';
250 0376 SCA_MNOC_UT = %DECIMAL'224' - %DECIMAL'192';
251 0377 SCA_MNFCBE_LT = 0;
252 0378 SCA_MNFCBE_UT = %DECIMAL'224' - %DECIMAL'192';
253 0379 SCA_MNOCBE_LT = 0;
254 0380 SCA_MNOCBE_UT = %DECIMAL'224' - %DECIMAL'192';
255 0381 END;
256 0382

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257 0383 2 [LEAVE_CASE] :
258 0384 2 !Don't change case at all.
259 0385 3 BEGIN
260 0386 3
261 0387 3 IF NOT .SCA_WORD_SET
262 0388 3 THEN
263 0389 3 !Case rules take effect immediately.
264 0390 4 BEGIN
265 0391 4 SCA_WRD_FC_LT = 0;
266 0392 4 SCA_WRD_FC_UT = 0;
267 0393 4 SCA_WRD_OC_LT = 0;
268 0394 4 SCA_WRD_OC_UT = 0;
269 0395 4
270 0396 4 SCA_MNWRD_FC_LT = 0;
271 0397 4 SCA_MNWRD_FC_UT = 0;
272 0398 4 SCA_MNWRD_OC_LT = 0;
273 0399 4 SCA_MNWRD_OC_UT = 0;
274 0400 3 END;
275 0401 3
276 0402 3 SCA_FCBE_LT = 0;
277 0403 3 SCA_FCBE_UT = 0;
278 0404 3 SCA_OCBE_LT = 0;
279 0405 3 SCA_OCBE_UT = 0;
280 0406 3 SCA_FC_LT = 0;
281 0407 3 SCA_FC_UT = 0;
282 0408 3 SCA_OC_LT = 0;
283 0409 3 SCA_OC_UT = 0;
284 0410 3
285 0411 3 SCA_MNFCBE_LT = 0;
286 0412 3 SCA_MNFCBE_UT = 0;
287 0413 3 SCA_MNOCBE_LT = 0;
288 0414 3 SCA_MNOCBE_UT = 0;
289 0415 3 SCA_MNFC_LT = 0;
290 0416 3 SCA_MNFC_UT = 0;
291 0417 3 SCA_MNOC_LT = 0;
292 0418 3 SCA_MNOC_UT = 0;
293 0419 2 END;
294 0420 2
295 0421 2 [FIRST_CAPS] :
296 0422 2 !Capitalize words.
297 0423 3 BEGIN
298 0424 3 LOCAL
299 0425 3 OTHER_CASE_MN, ! Multinational char. set flag
300 0426 3 OTHER_CASE;
301 0427 3
302 0428 3 IF .GCA_CASE EQL FORCE_LOWER
303 0429 3 THEN
304 0430 4 BEGIN
305 0431 4 !For files all in upper case, force remaining
306 0432 4 !characters to lower case.
307 0433 4 OTHER_CASE = %C'a' - %C'A';
308 0434 4 OTHER_CASE_MN = %DECIMAL'224' - %DECIMAL'192'
309 0435 4 END
310 0436 3 ELSE
311 0437 4 BEGIN
312 0438 4 !For files from terminals having both upper and
313 0439 4 !lower case, leave remaining characters alone.

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314 0440 4          OTHER_CASE = 0;
315 0441 4          OTHER_CASE_MN = 0;
316 0442 4          END;
317 0443 4          !
318 0444 4          IF NOT .SCA_WORD_SET
319 0445 4          THEN
320 0446 4          !Case rules take effect immediately.
321 0447 4          BEGIN
322 0448 4          SCA_WRD_FC_LT = %C'A' - %C'a';
323 0449 4          SCA_WRD_FC_UT = 0;
324 0450 4          SCA_WRD_OC_LT = 0;
325 0451 4          SCA_WRD_OC_UT = .OTHER_CASE;
326 0452 4          !
327 0453 4          SCA_MNWRD_FC_LT = %DECIMAL'192' - %DECIMAL'224';
328 0454 4          SCA_MNWRD_FC_UT = 0;
329 0455 4          SCA_MNWRD_OC_LT = 0;
330 0456 4          SCA_MNWRD_OC_UT = .OTHER_CASE_MN
331 0457 4          END;
332 0458 4          !
333 0459 4          SCA_FCBE_LT = %C'A' - %C'a';
334 0460 4          SCA_FCBE_UT = 0;
335 0461 4          SCA_OCBE_LT = 0;
336 0462 4          SCA_OCBE_UT = .OTHER_CASE;
337 0463 4          SCA_FC_LT = %C'A' - %C'a';
338 0464 4          SCA_FC_UT = 0;
339 0465 4          SCA_OC_LT = 0;
340 0466 4          SCA_OC_UT = .OTHER_CASE;
341 0467 4          !
342 0468 4          SCA_MNFCBE_LT = %DECIMAL'192' - %DECIMAL'224';
343 0469 4          SCA_MNFCBE_UT = 0;
344 0470 4          SCA_MNOCBE_LT = 0;
345 0471 4          SCA_MNOCBE_UT = .OTHER_CASE_MN;
346 0472 4          SCA_MNFC_LT = %DECIMAL'192' - %DECIMAL'224';
347 0473 4          SCA_MNFC_UT = 0;
348 0474 4          SCA_MNOC_LT = 0;
349 0475 4          SCA_MNOC_UT = .OTHER_CASE_MN
350 0476 4          END;
351 0477 4          !
352 0478 4          [ONE CAP] :
353 0479 4          !Capitalize first word, all other letters to lower case.
354 0480 4          BEGIN
355 0481 4          !Case translation takes effect immediately.
356 0482 4          SCA_WKD_FC_LT = %C'A' - %C'a';
357 0483 4          SCA_WKD_OC_LT = 0;
358 0484 4          SCA_WKD_FC_UT = 0;
359 0485 4          SCA_WKD_OC_UT = %C'a' - %C'A';
360 0486 4          !
361 0487 4          SCA_FC_LT = 0;
362 0488 4          SCA_OC_LT = 0;
363 0489 4          SCA_FC_UT = %C'a' - %C'A';
364 0490 4          SCA_OC_UT = %C'a' - %C'A';
365 0491 4          SCA_FCBE_LT = 0;
366 0492 4          SCA_FCBE_UT = %C'a' - %C'A';
367 0493 4          SCA_OCBE_LT = 0;
368 0494 4          SCA_OCBE_UT = %C'a' - %C'A';
369 0495 4          !
370 0496 4          SCA_MNWRD_FC_LT = %DECIMAL'192' - %DECIMAL'224';

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371 0497 3 SCA_MNWRD_OC_LT = 0;
372 0498 3 SCA_MNWRD_FC_UT = 0;
373 0499 3 SCA_MNWRD_OC_UT = %DECIMAL'224' - %DECIMAL'192';
374 0500 3
375 0501 3 SCA_MNFC_LT = 0;
376 0502 3 SCA_MNOC_LT = 0;
377 0503 3 SCA_MNFC_UT = %DECIMAL'224' - %DECIMAL'192';
378 0504 3 SCA_MNOC_UT = %DECIMAL'224' - %DECIMAL'192';
379 0505 3 SCA_MNFCBE_LT = 0;
380 0506 3 SCA_MNFCBE_UT = %DECIMAL'224' - %DECIMAL'192';
381 0507 3 SCA_MNOCBE_LT = 0;
382 0508 3 SCA_MNOCBE_UT = %DECIMAL'224' - %DECIMAL'192';
383 0509 3 END;
384 0510 2 TES;
385 0511 2
386 0512 1 END;

```

!End of SETCAS

00AE	000A	04 FFFFFFFF	52 00000000G	04	EF 9E 00002	0004 00000	.ENTRY	SETCAS, Save R2	0269
			8F 04	AC CF 00009			MOVAB	SCA+16, R2	0305
			0057	011A	00012	1\$:	CASEL	TRANSLATION, #-1, #4	
					0001A		.WORD	4\$-1\$,-	
								6\$-1\$,-	
								2\$-1\$,-	
								9\$-1\$,-	
								13\$-1\$	
	04	1B	50	A2 E8	0001C	2\$:	BLBS	SCA+96, 3\$	0311
		A2		20 CE	00020		MNEGL	#32, SCA+20	0315
				62 D4	00024		CLRL	SCA+16	0316
	0C	A2		20 CE	00026		MNEGL	#32, SCA+28	0317
			08	A2 D4	0002A		CLRL	SCA+24	0318
	34	A2		20 CE	0002D		MNEGL	#32, SCA+68	0320
			30	A2 D4	00031		CLRL	SCA+64	0321
	3C	A2		20 CE	00034		MNEGL	#32, SCA+76	0322
			38	A2 D4	00038		CLRL	SCA+72	0323
	18	A2		20 CE	0003B	3\$:	MNEGL	#32, SCA+40	0326
		A2		20 CE	0003F		MNEGL	#32, SCA+44	0328
			10	A2 7C	00043		CLRQ	SCA+32	0327
	F8	A2		20 CE	00046		MNEGL	#32, SCA+8	0330
		A2		20 CE	0004A		MNEGL	#32, SCA+12	0332
			F0	A2 7C	0004E		CLRQ	SCA	0331
	48	A2		20 CE	00051		MNEGL	#32, SCA+88	0335
		A2		20 CE	00055		MNEGL	#32, SCA+92	0337
			40	A2 7C	00059		CLRQ	SCA+80	0336
	28	A2		20 CE	0005C		MNEGL	#32, SCA+56	0339
			20	A2 D4	00060		CLRL	SCA+48	0340
	2C	A2		20 CE	00063		MNEGL	#32, SCA+60	0341
				53 11	00067		BRB	8\$	0342
		0F	50	A2 E8	00069	4\$:	BLBS	SCA+96, 5\$	0349
	08	A2		20 7D	0006D		MOVQ	#32, SCA+24	0356
		62		20 7D	00071		MOVQ	#32, SCA+16	0355
				20 7D	00074		MOVQ	#32, SCA+72	0361
	38	A2		20 7D	00078		MOVQ	#32, SCA+64	0360
				20 7C	0007C	5\$:	CLRQ	SCA+8	0364
			F8	A2 7C	0007C				

F0	A2		20	D0	0007F	1CVL	#32, SCA	0366	
F4	A2		20	D0	00083	MOVL	#32, SCA+4	0367	
10	A2		20	D0	00087	MOVL	#32, SCA+32	0369	
		18	A2	7C	0008B	CLRQ	SCA+40	0368	
14	A2		20	D0	0008E	MOVL	#32, SCA+36	0371	
			00C2	31	00092	BRW	14\$	0373	
	0B		50	A2	E8	00095	6\$: BLBS	SCA+96, 7\$	0387
			62	7C	00099	CLRQ	SCA+16	0392	
		08	A2	7C	0009B	CLRQ	SCA+24	0394	
		30	A2	7C	0009E	CLRQ	SCA+64	0397	
		38	A2	7C	000A1	CLRQ	SCA+72	0399	
		18	A2	7C	000A4	7\$: CLRQ	SCA+40	0402	
		10	A2	7C	000A7	CLRQ	SCA+32	0403	
		F8	A2	7C	000AA	CLRQ	SCA+8	0406	
		F0	A2	7C	000AD	CLRQ	SCA	0407	
		48	A2	7C	000B0	CLRQ	SCA+88	0411	
		40	A2	7C	000B3	CLRQ	SCA+80	0412	
		20	A2	D4	000B6	CLRL	SCA+48	0416	
		28	A2	7C	000B9	CLRQ	SCA+56	0415	
		24	A2	D4	000BC	8\$: CLRL	SCA+52	0418	
				04	000BF	RET		0305	
FFFFFFF	8F	00000000G	FF	D1	000C0	9\$: Cmpl	@GCA+128, #-1	0428	
			08	12	000CB	BNEQ	10\$		
			50	20	D0	000CD	MOVL	#32, OTHER_CASE	0433
			51	20	D0	000D0	MOVL	#32, OTHER_CASE_MN	0434
				02	11	000D3	BRB	11\$	
			50	7C	000D5	10\$: CLRQ	OTHER_CASE	0440	
	1B		50	A2	E8	000D7	11\$: BLBS	SCA+96, 12\$	0444
04	A2			20	CE	000DB	MNEGL	#32, SCA+20	0448
				62	D4	000DF	CLRL	SCA+16	0449
			0C	A2	D4	000E1	CLRL	SCA+28	0450
08	A2		50	D0	000E4	MOVL	OTHER_CASE, SCA+24	0451	
34	A2		20	CE	000E8	MNEGL	#32, SCA+68	0453	
			30	A2	D4	000EC	CLRL	SCA+64	0454
			3C	A2	D4	000EF	CLRL	SCA+76	0455
38	A2		51	D0	000F2	MOVL	OTHER_CASE_MN, SCA+72	0456	
18	A2		20	CE	000F6	12\$: MNEGL	#32, SCA+40	0459	
			10	A2	D4	000FA	CLRL	SCA+32	0460
14	A2		50	D0	000FD	MOVL	OTHER_CASE, SCA+36	0462	
F8	A2		20	CE	00101	MNEGL	#32, SCA+8	0463	
			F0	A2	D4	00105	CLRL	SCA	0464
			FC	A2	D4	00108	CLRL	SCA+12	0465
F4	A2		50	D0	0010B	MOVL	OTHER_CASE, SCA+4	0466	
48	A2		20	CE	0010F	MNEGL	#32, SCA+88	0468	
			40	A2	D4	00113	CLRL	SCA+80	0469
			4C	A2	D4	00116	CLRL	SCA+92	0470
44	A2		51	D0	00119	MOVL	OTHER_CASE_MN, SCA+84	0471	
28	A2		20	CE	0011D	MNEGL	#32, SCA+56	0472	
			1C	A2	7C	00121	CLRQ	SCA+44	0461
			2C	A2	D4	00124	CLRL	SCA+60	0474
24	A2		51	D0	00127	MOVL	OTHER_CASE_MN, SCA+52	0475	
				04	0012B	RET			
04	A2		20	CE	0012C	13\$: MNEGL	#32, SCA+20	0482	
			62	D4	00130	CLRL	SCA+16	0484	
08	A2		20	7D	00132	MOVQ	#32, SCA+24	0485	
			F8	A2	7C	00136	CLRQ	SCA+8	0487
F0	A2		20	D0	00139	MOVL	#32, SCA	0489	

F4	A2		20	D0	0013D	MOVL	#32, SCA+4	: 0490
10	A2		20	D0	00141	MOVL	#32, SCA+32	: 0492
		18	A2	7C	00145	CLRQ	SCA+40	: 0491
14	A2		20	D0	00148	MOVL	#32, SCA+36	: 0494
34	A2		20	CE	0014C	MNEGL	#32, SCA+68	: 0496
		30	A2	D4	00150	CLRL	SCA+64	: 0498
38	A2		20	7D	00153	MOVQ	#32, SCA+72	: 0499
		28	A2	7C	00157	CLRQ	SCA+56	: 0501
20	A2		20	D0	0015A	MOVL	#32, SCA+48	: 0503
24	A2		20	D0	0015E	MOVL	#32, SCA+52	: 0504
40	A2		20	D0	00162	MOVL	#32, SCA+80	: 0506
		48	A2	7C	00166	CLRQ	SCA+88	: 0505
44	A2		20	D0	00169	MOVL	#32, SCA+84	: 0508
			04	0016D	RET			: 0512

: Routine Size: 366 bytes, Routine Base: \$CODE\$ + 0028

```

: 387      0513 1
: 388      0514 1 END           !End of module
: 389      0515 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	406	NOVEC,NOWRT, RD, EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	38	3	86	00:00.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:DOCASE/OBJ=OBJ\$:DOCASE MSRC\$:DOCASE/UPDATE=(ENH\$:DOCASE)

```

: Size:      406 code + 0 data bytes
: Run Time:  00:14.0
: Elapsed Time: 00:28.9

```

. Lines/CPU Min: 2202  
: Lexemes/CPU-Min: 21665  
: Memory Used: 97 pages  
: Compilation Complete

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