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SSSSSSSS TTTTTTTTTT RRRRRRRR AAAAAA PPPPPPPP PPPPPPPP EEEEEEEEEE NN NN DDDDDDDD
SSSSSSSS TTTTTTTTTT RRRRRRRR AAAAAA PPPPPPPP PPPPPPPP EEEEEEEEEE NN NN DDDDDDDD
SS      TT      RR      RR AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SS      TT      RR      RR AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SS      TT      RR      RR AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SS      TT      RR      RR AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SSSSSS   TT      RRRRRRRR AA      AA PPPPPPPP PPPPPPPP EEEEEEEEE NN  NN NN DD      DD
SSSSSS   TT      RRRRRRRR AA      AA PPPPPPPP PPPPPPPP EEEEEEEEE NN  NN NN DD      DD
SS      TT      RR  RR   AAAAAAAAAA PP      PP PP      PP EE      NN  NNNN DD      DD
SS      TT      RR  RR   AAAAAAAAAA PP      PP PP      PP EE      NN  NNNN DD      DD
SS      TT      RR  RR   AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SSSSSSSS TT      RR      RR AA      AA PP      PP PP      PP EE      NN      NN DD      DD
SSSSSSSS TT      RR      RR AA      AA PP      PP PP      PP EEEEEEEEE NN      NN DDDDDDDD
SSSSSSSS TT      RR      RR AA      AA PP      PP PP      PP EEEEEEEEE NN      NN DDDDDDDD

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LL      IIIIII SSSSSSSS
LL      IIIIII SSSSSSSS
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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

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```

1 0001 0 MODULE STR$APPEND ( ! Append a string to the end of the destination
2 0002 0
3 0003 0 IDENT = '1-007' ! File: STRAPPEND.B32 Edit: DG1007
4 0004 0
5 0005 0 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1
9 0009 1 *****
10 0010 1 *
11 0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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28 0028 1 *
29 0029 1 *
30 0030 1 *****
31 0031 1
32 0032 1
33 0033 1 **
34 0034 1 FACILITY: String support library
35 0035 1
36 0036 1 ABSTRACT:
37 0037 1 This routine appends the input string onto the end of the
38 0038 1 the destination string. It will handle strings of any
39 0039 1 supported dtype or class.
40 0040 1
41 0041 1 ENVIRONMENT: User mode, AST level or not or mixed
42 0042 1
43 0043 1 AUTHOR: R. Will, CREATION DATE: 12-Nov-79
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 R. Will, 25-Oct-79 : VERSION 01
48 0048 1 1-001 - Original
49 0049 1 1-002 - String speedup, status from alloc and dealloc macros.
50 0050 1 RW 11-Jan-1980
51 0051 1 1-003 - Enhance to be able to deal with a larger class of string
52 0052 1 descriptors. Uses $STR$GET_LEN_ADDR to extract length and
53 0053 1 address of data out of a variety of source descriptors.
54 0054 1 CASE on class of output descriptor expanded to allow writing
55 0055 1 of both CLASS_D and CLASS_VS.
56 0056 1 RKR 10-APR-1981
57 0057 1 1-004 - Speed up code. RKR 7-OCT-1981.

```

```
: 58      0058 1 : 1-005 - Fix for SPR 11-55716. Addressing problem when appending a
: 59      0059 1 :          truncated source string to a CLASS VS descriptor because the
: 60      0060 1 :          total length would exceed MAXSTRLEN. RKR 18-APR-1983.
: 61      0061 1 : 1-006 - Add support for class SO string descriptors. DG 3-Oct-1983.
: 62      0062 1 : 1-007 - Change class SO string descriptors to SB. DG 27-Feb-1984.
: 63      0063 1 : --
: 64      0064 1 : <BLF/PAGE>
```

```
66 0065 1 |
67 0066 1 | SWITCHES:
68 0067 1 |
69 0068 1 |
70 0069 1 | SWITCHES ADDRESSING MODE
71 0070 1 | (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
72 0071 1 |
73 0072 1 |
74 0073 1 | LINKAGES:
75 0074 1 |
76 0075 1 |
77 0076 1 | REQUIRE 'RTLIN:STRLNK'; ! Use require file with string linkages
78 0261 1 |
79 0262 1 |
80 0263 1 | TABLE OF CONTENTS:
81 0264 1 |
82 0265 1 |
83 0266 1 | FORWARD ROUTINE
84 0267 1 | STR$APPEND; ! append the input string to the end
85 0268 1 | ! of the destination string
86 0269 1 |
87 0270 1 |
88 0271 1 | INCLUDE FILES:
89 0272 1 |
90 0273 1 |
91 0274 1 | REQUIRE 'RTLIN:RTLPSECT'; ! Declare PSECTS code
92 0369 1 | REQUIRE 'RTLIN:STRMACROS'; ! use string macros to write code
93 1285 1 | LIBRARY 'RTLSTARLE'; ! STARLET library for macros and symbols
94 1286 1 |
95 1287 1 |
96 1288 1 | MACROS: NONE
97 1289 1 |
98 1290 1 |
99 1291 1 |
100 1292 1 | EQUATED SYMBOLS
101 1293 1 |
102 1294 1 | LITERAL
103 1295 1 | MAX_SIZE = 65535; ! largest string we can handle
104 1296 1 |
105 1297 1 |
106 1298 1 |
107 1299 1 | PSECT DECLARATIONS
108 1300 1 |
109 1301 1 |
110 1302 1 | DECLARE_PSECTS (STR);
111 1303 1 |
112 1304 1 |
113 1305 1 | OWN STORAGE: NONE
114 1306 1 |
115 1307 1 |
116 1308 1 |
117 1309 1 | EXTERNAL REFERENCES:
118 1310 1 |
119 1311 1 | EXTERNAL LITERAL
120 1312 1 | STR$_ILLSTRCLA, ! signal illegal class error
121 1313 1 | STR$_STRTOOLON, ! signal string too long
122 1314 1 | STR$_TRU, ! status -- truncation (warning)
```

STR\$APPEND  
1-007

```
.. 123          1315 1   STR$_NORMAL ;  
.. 124          1316 1  
.. 125          1317 1 EXTERNAL ROUTINE  
:  126          1318 1 LIB$STOP;
```

K 9  
16-Sep-1984 01:26:47  
14-Sep-1984 12:40:00

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]STRAPPEND.B32;1

Page 4  
(2)

! successful append

! signal errors

STI  
1-(

.....

```

128 1319 1 GLOBAL ROUTINE STR$APPEND (      ! append a string to the end of another
129 1320 1
130 1321 1          DEST_DESC,      ! pointer to destination descr.
131 1322 1          SRC_DESC      ! pointer to source descriptor
132 1323 1
133 1324 1          ) : =          !
134 1325 1
135 1326 1
136 1327 1  +-+
137 1328 1  FUNCTIONAL DESCRIPTION:
138 1329 1          This routine takes a source string of any supported dtype and
139 1330 1  class, and appends that string to the end of the destination string,
140 1331 1  which may be of any supported class or dtype, except that it is
141 1332 1  impossible to add something to the end of a string having fixed-length
142 1333 1  semantics -- an error will always be signalled in that case
143 1334 1
144 1335 1  FORMAL PARAMETERS:
145 1336 1
146 1337 1          DEST_DESC.wt.dx      pointer to destination descriptor
147 1338 1          SRC_DESC.rt.dx       pointer to source descriptor
148 1339 1
149 1340 1  IMPLICIT INPUTS:
150 1341 1
151 1342 1          NONE
152 1343 1
153 1344 1  IMPLICIT OUTPUTS:
154 1345 1
155 1346 1          NONE
156 1347 1
157 1348 1  COMPLETION CODES:
158 1349 1
159 1350 1          STR$NORMAL          Success
160 1351 1          STR$_TRU          Truncation -- a warning
161 1352 1
162 1353 1  SIDE EFFECTS:
163 1354 1
164 1355 1          STR$_ILLSTRCLA may be signalled if the destination string is
165 1356 1          of fixed-length semantics
166 1357 1          or undefined
167 1358 1          STR$_STRTOOLON if combined lengths of source and destination
168 1359 1          exceed 65K in a dynamic string destination.
169 1360 1          Dynamic string space may be allocated or deallocated
170 1361 1
171 1362 1  --
172 1363 1
173 1364 2  BEGIN
174 1365 2
175 1366 2  LOCAL
176 1367 2          SRC_LEN,          ! length of source string
177 1368 2          SRC_ADDR,        ! addr of 1st byte of source
178 1369 2          DEST_LEN,        ! length of destination string
179 1370 2          DEST_ADDR,       ! addr of 1st byte of dest.
180 1371 2          TOT_LEN,         ! sum of src and dst length
181 1372 2          RETURN_STATUS;    ! status from macros
182 1373 2
183 1374 2  MAP DEST_DESC : REF $STR$DESCRIPTOR;
184 1375 2  MAP SRC_DESC  : REF $STR$DESCRIPTOR;

```

```
185 1376 2
186 1377 2
187 1378 2
188 1379 2
189 1380 2
190 1381 2
191 1382 2
192 1383 2
193 1384 2
194 1385 2
195 1386 2
196 1387 2
197 1388 2
198 1389 2
199 1390 2
200 1391 2
201 1392 2
202 1393 2
203 1394 2
204 1395 2
205 1396 2
206 1397 2
207 1398 2
208 1399 2
209 1400 2
210 1401 2
211 1402 2
212 1403 2
213 1404 2
214 1405 2
215 1406 2
216 1407 2

RETURN_STATUS = 1 ;          ! Assume success

+
find lengths and starting addresses of strings we're dealing with,
and their combined lengths.
-

$STR$GET_LEN_ADDR (SRC_DESC, SRC_LEN, SRC_ADDR) ;
$STR$GET_LEN_ADDR (DEST_DESC, DEST_LEN, DEST_ADDR) ;
TOT_LEN = .SRC_LEN + .DEST_LEN ;

+
if the combined lengths are greater that 65K, the result is not
going to fit in any class of descriptor we support -- return
STR$_STRTOOLON.
-

IF .TOT_LEN GTR MAX_SIZE THEN LIB$STOP (STR$_STRTOOLON) ;

+
Algorithm for writing output differs based on the class of the
destination descriptor. The operation of appending is defined only
for class CLASS_D and CLASS_VS destination strings.
-

CASE .DEST_DESC [DSC$B CLASS]
FROM DSC$K_CLASS_2 TO DSC$K_CLASS_SB OF
SET
```





```
268 1457 2  | +
269 1458 2  | Varying string descriptor
270 1459 2  | *****
271 1460 2  | -
272 1461 2
273 1462 2
274 1463 3 [DSC$K_CLASS_VS]:
275 1464 3   BEGIN
276 1465 3   IF .TOT_LEN GTRU .DEST_DESC [DSC$W_MAXSTRLEN]
277 1466 4   THEN      ! resultant string won't fit within
278 1467 4   BEGIN      ! MAXSTRLEN of allocated string.
279 1468 4
280 1469 4   | +
281 1470 4   | Copy as much as is possible. This length is
282 1471 4   | given by MAXSTRLEN - CURLen.
283 1472 4   | -
284 1473 4   | CHSMOVE (
285 1474 4   |   .DEST_DESC [DSC$W_MAXSTRLEN] -
286 1475 4   |   (.DEST_DESC [DSC$A_POINTER])<0,16>,
287 1476 4   |   .SRC_ADDR,
288 1477 4   |   .DEST_DESC [DSC$A_POINTER] +
289 1478 4   |   .DEST_LEN + 2 ) ;
290 1479 4
291 1480 4   | +
292 1481 4   | Adjust CURLen field to reflect the new length
293 1482 4   | -
294 1483 4   | (.DEST_DESC [DSC$A_POINTER])<0,16> =
295 1484 4   |   .DEST_DESC [DSC$W_MAXSTRLEN];
296 1485 4   |
297 1486 4   | RETURN_STATUS = STR$_TRU;
298 1487 4   |
299 1488 3   | END ! won't fit within MAXSTRLEN
300 1489 4   | ELSE
301 1490 4   | BEGIN      ! will fit within MAXSTRLEN
302 1491 4   | | +
303 1492 4   | | Move source data directly into varying
304 1493 4   | | string, starting at byte just beyond the last
305 1494 4   | | byte that is currently there.
306 1495 4   | | -
307 1496 5   | | CHSMOVE (.SRC_LEN, .SRC_ADDR,
308 1497 4   | |   (.DEST_DESC [DSC$A_POINTER] +
309 1498 4   | |   .DEST_LEN + 2) );
310 1499 4   | |
311 1500 4   | | +
312 1501 4   | | Adjust CURLen field to reflect the new length
313 1502 4   | | -
314 1503 3   | | (.DEST_DESC [DSC$A_POINTER])<0,16> = .TOT_LEN ;
315 1504 2   | |
316 1505 2   | | END;
316 1505 2   | | ! of Class_VS
```

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```

+ otherwise we have an undefined class of descriptor, or a descriptor
which has fixed-length string semantics. In either case, its an
error to try to append to it.

[INRANGE,OUTRANGE]:
RETURN_STATUS = STR$_ILLSTRCLA;
TES;

$STR$SIGNAL_FATAL (RETURN_STATUS);
RETURN .RETURN_STATUS;

END;

```

! signal if fatal error  
! no non-fatal errors  
! possible  
! End of STR\$APPEND

```

.TITLE STR$APPEND
.IDENT \1-007\

.EXTRN STR$_ILLSTRCLA, STR$_STRTOOLON
.EXTRN STR$_TRU, STR$_NORMAL
.EXTRN LIB$STOP, STR$ANALYZE_SDESC_R1
.EXTRN STR$INIT, STR$V_INIT
.EXTRN STR$ALOC_SHORT
.EXTRN STR$Q_SHORT_Q, LIB$GET_VM
.EXTRN STR$INSMEM, STR$MOVQ_R1
.EXTRN LIB$FREE_VM, STR$_FATINTERR

```

.PSECT \_STR\$CODE, NOWRT, SHR, PIC, 2

				OFFC 00000	.ENTRY STR\$APPEND, Save R2,R3,R4,R5,R6,R7,R8,R9,-	1319
					R10,R11	
5E		14	C2	00002	SUBL2 #20, SP	
5B		01	D0	00005	MOVL #1, RETURN_STATUS	1377
50	08	AC	D0	00008	MOVL SRC_DESC, R0	1384
02	03	A0	91	0000C	CMPB 3(R0), #2	
		09	1A	00010	BGTRU 1\$	
5A		60	3C	00012	MOVZWL (R0), SRC_LEN	
59	04	A0	D0	00015	MOVL 4(R0), SRC_ADDR	
		0C	11	00019	BRB 2\$	
	00000000G	00	16	0001B	1\$: JSB STR\$ANALYZE_SDESC_R1	
5A		50	D0	00021	MOVL R0, R10	
59		51	D0	00024	MOVL R1, R9	
57	04	AC	D0	00027	2\$: MOVL DEST_DESC, R7	1386
02	03	A7	91	0002B	CMPB 3(R7), #2	
		09	1A	0002F	BGTRU 3\$	
58		67	3C	00031	MOVZWL (R7), DEST_LEN	
52	04	A7	D0	00034	MOVL 4(R7), DEST_ADDR	
		0F	11	00038	BRB 4\$	
50		57	D0	0003A	3\$: MOVL R7, R0	
	00000000G	00	16	0003D	JSB STR\$ANALYZE_SDESC_R1	
58		50	D0	00043	MOVL R0, R8	
52		51	D0	00046	MOVL R1, R2	
56	0000FFFF	58	C1	00049	4\$: ADDL3 DEST_LEN, SRC_LEN, TOT_LEN	1388
		56	D1	0004D	CMPB TOT_LEN, #65535	1396
		0D	15	00054	BLEQ 5\$	
	00000000G	8F	DD	00056	PUSHL #STR\$_STRTOOLON	
		01	FB	0005C	CALLS #1, LIB\$STOP	

0020	002A	0020	03	A7	8F	00063	5\$:	CASEB	3(R7), #0, #15		
0020	0020	0020		0020		00068	6\$:	.WORD	7\$-6\$,-		
01A7	0020	0020		0020		00070			7\$-6\$,-		
0020	0020	0020		0020		00078			8\$-6\$,-		
						00080			7\$-6\$,-		
									7\$-6\$,-		
									7\$-6\$,-		
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									7\$-6\$,-		
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									7\$-6\$,-		
									34\$-6\$,-		
									7\$-6\$,-		
									7\$-6\$,-		
									7\$-6\$,-		
									7\$-6\$,-		
									7\$-6\$		
		5B	0000000G	8F	D0	00088	7\$:	MOVL	#STR\$_ILLSTRCLA, RETURN_STATUS		
						01B3		BRW	36\$		
		51		04	A7	D0	00092	8\$:	MOVL	4(R7), R1	
						53	D4	00096	CLRL	R3	
						51	D5	00098	TSTL	R1	
						06	12	0009A	BNEQ	9\$	
						53	D6	0009C	INCL	R3	
						50	D4	0009E	CLRL	R0	
						13	11	000A0	BRB	11\$	
	00F0			8F	B1	000A2	9\$:	CMPW	(R7), #240		
						05	1B	000A7	BLEQU	10\$	
						67	3C	000A9	MOVZWL	(R7), R0	
						07	11	000AC	BRB	11\$	
						51	D0	000AE	10\$:	MOVL	R1, STRING_BLOCK
						A0	3C	000B1	MOVZWL	-2(STRING_BLOCK), R0	
	000000F0			FE	D1	000B5	11\$:	CMP	R0, #240		
						21	1F	000BC	BLSSU	15\$	
						53	E9	000BE	BLBC	R3, 12\$	
						50	D4	000C1	CLRL	R0	
						13	11	000C3	BRB	14\$	
	00F0			8F	B1	000C5	12\$:	CMPW	(R7), #240		
						05	1B	000CA	BLEQU	13\$	
						67	3C	000CC	MOVZWL	(R7), R0	
						07	11	000CF	BRB	14\$	
						51	D0	000D1	13\$:	MOVL	R1, STRING_BLOCK
						A0	3C	000D4	MOVZWL	-2(STRING_BLOCK), R0	
						56	D1	000D8	14\$:	CMP	TOT_LEN, R0
						21	13	000DB	BEQL	19\$	
						22	11	000DD	BRB	20\$	
						53	E9	000DF	15\$:	BLBC	R3, 16\$
						50	D4	000E2	CLRL	R0	
						13	11	000E4	BRB	18\$	
	00F0			8F	B1	000E6	16\$:	CMPW	(R7), #240		
						05	1B	000EB	BLEQU	17\$	
						67	3C	000ED	MOVZWL	(R7), R0	
						07	11	000F0	BRB	18\$	
						51	D0	000F2	17\$:	MOVL	R1, STRING_BLOCK
						A0	3C	000F5	MOVZWL	-2(STRING_BLOCK), R0	
						56	D1	000F9	18\$:	CMP	TOT_LEN, R0
						03	1A	000FC	BGTRU	20\$	

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			0104	31	000FE	19\$:	BRW	33\$			
	07	00000000G	00	E8	00101	20\$:	BLBS	STR\$\$V INIT, 21\$			1431
	00		00	FB	00108		CALLS	#0, STR\$\$INIT			
	50	00000000G	8F	D0	0010F	21\$:	MOVL	#STR\$ NORMAL, RETURN_STATUS			
	8F		56	D1	00116		CMPL	TOT_LEN, #240			
			3E	1A	0011D		BGTRU	27\$			
			56	D5	0011F		TSTL	TOT_LEN			
			04	12	00121		BNEQ	22\$			
			54	D4	00123		CLRL	TEMP			
			2D	11	00125		BRB	26\$			
	51		FF	A6	9E	00127	22\$:	MOVAB	-1(R6), R1		
	51			07	8A	00128		BICB2	#7, R1		
	55	00000000G	0041	9E	0012E		MOVAB	STR\$\$Q SHORT Q[R1], REMQUE_ADDR			
	54		00	B5	0F	00136	23\$:	REMQUE	@0(REMQUE_ADDR), TEMP		
				05	1D	0013A		BVS	24\$		
	53			01	D0	0013C		MOVL	#1, ALLOC_DONE		
				0B	11	0013F		BRB	25\$		
				53	D4	00141	24\$:	CLRL	ALLOC_DONE		
				56	DD	00143		PUSHL	TOT_LEN		
	00000000G		00	01	FB	00145		CALLS	#1, STR\$\$ALLOC_SHORT		
			05	53	E8	0014C	25\$:	BLBS	ALLOC_DONE, 26\$		
			2C	50	E9	0014F		BLBC	RETURN_STATUS, 29\$		
				E2	11	00152		BRB	23\$		
				50	E9	00154	26\$:	BLBC	RETURN_STATUS, 29\$		
	10			AE	54	D0	00157	MOVL	TEMP, TEMP_DESC+4		
				1D	11	0015B		BRB	28\$		
				AE	9F	0015D	27\$:	PUSHAB	TEMP_DESC+4		
	04		10	56	D0	00160		MOVL	TOT_LEN, 4(SP)		
				AE	9F	00164		PUSHAB	4(SP)		
	00000000G		00	02	FB	00167		CALLS	#2, LIB\$GET_VM		
			09	50	E8	0016E		BLBS	RETURN_STATUS, 28\$		
			50	8F	D0	00171		MOVL	#STR\$_INSVIRMEM, RETURN_STATUS		
				04	11	00178		BRB	29\$		
				56	B0	0017A	28\$:	MOVW	TOT_LEN, TEMP_DESC		
	0C		AE	50	D0	0017E	29\$:	MOVL	RETURN_STATUS, RETURN_STATUS		
				7F	50	E9	00181	BLBC	RETURN_STATUS, 32\$		
				62	58	00184		MOVW	DEST_LEN, (DEST_ADDR), @TEMP_DESC+4		1435
10 BE				69	5A	00189		MOVW	SRC_LEN, (SRC_ADDR), @TEMP_DESC+4[DEST_LEN]		1439
10 BE48				51	AC	0018F		MOVL	DEST_DESC, R1		1441
	04		04	61	B0	00193		MOVW	(R1), \$STR\$TEMP_DESC		
	08		04	A1	D0	00197		MOVL	4(R1), \$STR\$TEMP_DESC+4		
	0E		02	A1	B0	0019C		MOVW	2(R1), TEMP_DESC+2		
			0C	AE	9E	001A1		MOVAB	TEMP_DESC, R0		
				00	16	001A5		JSB	STR\$\$MOVQ R1		
	0C		04	AE	B0	001AB		MOVW	\$STR\$TEMP_DESC, TEMP_DESC		
	10		08	AE	D0	001B0		MOVL	\$STR\$TEMP_DESC+4, TEMP_DESC+4		
				50	8F	001B5		MOVL	#STR\$ NORMAL, RETURN_STATUS		1445
			10	AE	D0	001BC		MOVL	TEMP_DESC+4, R2		
				3E	13	001C0		BEQL	31\$		
	00F0		0C	AE	B1	001C2		CMPW	TEMP_DESC, #240		
				1A	1A	001C8		BGTRU	30\$		
				51	D0	001CA		MOVL	R2, STRING_BLOCK		
				51	FE	A1	3C	001CD	-2(STRING_BLOCK), ALLOC_LENGTH		
				51	D7	001D1		DECL	R1		
				07	8A	001D3		BICB2	#7, R1		
				51	9E	001D6		MOVAB	STR\$\$Q SHORT Q[R1], INSQUE_ADDR		
	00		0041	62	0E	001DE		INSQUE	(R2), @0(INSQUE_ADDR)		

			10	1C	11	001E2		BRB	31\$		
	04	AE	10	AE	9F	001E4	30\$:	PUSHAB	TEMP_DESC+4		
			04	AE	3C	001E7		MOVZWL	TEMP_DESC, 4(SP)		
	00000000G	00		AE	9F	001EC		PUSHAB	4(SPT)		
		07		02	FB	001EF		CALLS	#2, LIB\$FREE VM		
		50	00000000G	50	EB	001F6		BLBS	RETURN_STATUS, 31\$		
		5B		8F	DO	001F9		MOVL	#STR\$ FATINTERR, RETURN_STATUS		
				50	DO	00200	31\$:	MOVL	RETURN_STATUS, RETURN_STATUS		
	6842	69		40	11	00203	32\$:	BRB	36\$		1415
		67		5A	28	00205	33\$:	MOV3	SRC_LEN, (SRC_ADDR), (DEST_LEN)[DEST_ADDR]		1451
				56	B0	0020A		MOVW	TOT_LEN, (R7)		1453
				36	11	0020D		BRB	36\$		1405
56		10		00	ED	0020F	34\$:	CMPZV	#0, #16, (R7), TOT_LEN		1464
				21	1E	00214		BGEQU	35\$		
		51		67	3C	00216		MOVZWL	(R7), R1		1474
		50	04	B7	3C	00219		MOVZWL	@4(R7), R0		
		51		50	C2	0021D		SUBL2	R0, R1		
	02	50		58	C1	00220		ADDL3	4(R7), DEST_LEN, R0		1477
		A0		69	28	00225		MOV3	R1, (SRC_ADDR), 2(R0)		
			04	B7	B0	0022A		MOVW	(R7), @4(R7)		1483
				5B	DO	0022E		MOVL	#STR\$_TRU, RETURN_STATUS		1485
				0E	11	00235		BRB	36\$		1464
		58	04	A7	C1	00237	35\$:	ADDL3	4(R7), DEST_LEN, R0		1497
	02	50		5A	28	0023C		MOV3	SRC_LEN, (SRC_ADDR), 2(R0)		1496
		A0		56	B0	00241		MOVW	TOT_LEN, @4(R7)		1502
			04	B7	B0	00241		MOVW	TOT_LEN, @4(R7)		
				10	5B	00245	36\$:	BLBS	RETURN_STATUS, 37\$		1515
04		5B		00	ED	00248		CMPZV	#0, #3, RETURN_STATUS, #4		
				09	12	0024D		BNEQ	37\$		
				5B	DD	0024F		PUSHL	RETURN_STATUS		
	00000000G	00		01	FB	00251		CALLS	#1, LIB\$STOP		
		50		5B	DO	00258	37\$:	MOVL	RETURN_STATUS, R0		1516
				04	0025B			RET			1518

; Routine Size: 604 bytes, Routine Base: \_STR\$CODE + 0000

: 332 1519 1 END  
: 333 1520 0 ELUDOM

.End of module

PSECT SUMMARY

Name	Bytes	Attributes
_STR\$CODE	604	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Pages Mapped	Processing Time
	Total	Loaded		
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	11	581	00:00.8

COMMAND QUALIFIERS

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

: Size: 604 code + 0 data bytes  
: Run Time: 00:10.5  
: Elapsed Time: 00:43.6  
: Lines/CPU Min: 8669  
: Lexemes/CPU-Min: 37768  
: Memory Used: 202 pages  
: Compilation Complete

