

```
/*
```

```
001-Generated C code for functional specification 'APPEND_3_STRS'
```

```
VERSION: 3.2.3.9 C-RAT
```

```
: 1.6.0.0
```

```
AUTHOR: Hamilton Technologies Inc. Copyright 1991-2015.
```

```
OPERATION: APPEND_3_STRS
```

```
GENERATED: Sun Sep 13 16:41:20 2015
```

```
SCCSID: @(#) %M% %I% of %G%.
```

```
*/
```

```
#include "CHAR.h"  
#include "STR.h"
```

```
#include <stdio.h>  
#include <math.h>  
#include <errno.h>  
#include "BOOLEAN.h"  
#include "NAT.h"
```

```
fAPPEND_3_STRS(V0S0,V01,V02,V03,  
              V0S)
```

```
IDECLARE_STR(V0S0)
```

```
IDECLARE_STR(V01)
```

```
IDECLARE_STR(V02)
```

```
IDECLARE_STR(V03)
```

```
ODECLARE_STR(V0S)
```

```
{
```

```
/* LOCAL_VARIABLE_DECLARATIONS */
```

```
DECLARE_CHAR(C1)
```

```
DECLARE_STR(V0S2)
```

```
DECLARE_CHAR(C3)
```

```
DECLARE_STR(V0S1)
```

```
DECLARE_CHAR(C5)
```

```

        /* __ITERATION_VARIABLE_DECLARATIONS__ */
        /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
NEWSTACK_TRACE_IDSC("APPEND_3_STRS");
DOT_K_CHAR('>',C1)
DOT_K_CHAR('>',C3)
DOT_K_CHAR('>',C5)
        /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
        MERGE_STR(C5,V01,V0S0,V0S1)
        MERGE_STR(C3,V02,V0S1,V0S2)
        MERGE_STR(C1,V03,V0S2,*V0S)

SET_OUTPUT_FLAG_STR(V0S0)
SET_OUTPUT_FLAG_STR(V01)
SET_OUTPUT_FLAG_STR(V02)
SET_OUTPUT_FLAG_STR(V03)
SET_OUTPUT_FLAG_STR(*V0S)ENDSTACK_IDSC(); /* STR Garbage Collector */

CLEAR_OUTPUT_FLAG_STR(V0S0)
CLEAR_OUTPUT_FLAG_STR(V01)
CLEAR_OUTPUT_FLAG_STR(V02)
CLEAR_OUTPUT_FLAG_STR(V03)
CLEAR_OUTPUT_FLAG_STR(*V0S)
return;
}
/* ----- end of source -----*/

```