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/*
   001-Generated C code for functional specification 'DOES_OP_MATCH_CAPABILITY
,

   VERSION: 3.2.3.9 C-RAT
           : 1.6.0.0
   AUTHOR: Hamilton Technologies Inc. Copyright 1991-2015.
   OPERATION: DOES_OP_MATCH_CAPABILITY
   GENERATED: Tue Aug 25 16:55:20 2015

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

*/
#include "CAPABILITIES.h"
#include "CHAR.h"
#include "STR.h"
#include "CAPABILITY.h"
#include "NAT.h"
#include "BOOLEAN.h"

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

fDOES_OP_MATCH_CAPABILITY(V0OPNAME,V0CAPABILITIES,
                          V0B)
IDECLARE_STR(V0OPNAME)
IDECLARE_CAPABILITIES(V0CAPABILITIES)
ODECLARE_BOOLEAN(V0B)
{
           /* __LOCAL_VARIABLE_DECLARATIONS__ */
DECLARE_CAPABILITIES(V0CSN)
DECLARE_CHAR(C2)

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DECLARE_STR(V0CNAME)
DECLARE_CAPABILITY(V0C)
DECLARE_CAPABILITIES(V0CS)
DECLARE_NAT(C6)
DECLARE_BOOLEAN(D0D3)
DECLARE_BOOLEAN(D0D7)
        /* __ITERATION_VARIABLE_DECLARATIONS__ */
int rec3FIND_A_MATCH;
DECLARE_STR(R30OPNAME)
DECLARE_CAPABILITIES(R30CS)
        /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
NEWSTACK_TRACE_IDSC("DOES_OP_MATCH_CAPABILITY");
DOT_K_CHAR('R',C2)
DOT_K_NAT(1,C6)
        /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
        LOCATE_CAPABILITIES(C6,V0CAPABILITIES,V0CS)
R30OPNAME=V0OPNAME;
R30CS=V0CS;
rec3FIND_A_MATCH=1;
while(rec3FIND_A_MATCH--){
    ATNULL_CAPABILITIES(V0CS,D0D3)
    if(D0D3<1)
    {if(D0D3 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
    MOVETO_CAPABILITIES(V0CS,V0C)
    MOVETO_NAME_CAPABILITY(V0C,V0CNAME)
    NOCASEEQ_STR(V0OPNAME,V0CNAME,D0D7)
    if(D0D7<1)
    {if(D0D7 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
    NEXT_CAPABILITIES(C2,V0CS,V0CSN)
    rec3FIND_A_MATCH=1;
    V0OPNAME=V0OPNAME;
    V0CS=V0CSN;
    }/*FALSE*/
    else{/*KT_BOOLEAN*/
    KT_BOOLEAN(V0CS,*V0B)
    }/*TRUE*/

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}/*FALSE*/  
else{/*KF_BOOLEAN*/  
    KF_BOOLEAN(V0CS,*V0B)  
}/*TRUE*/  
}  
V0OPNAME=R30OPNAME;  
V0CS=R30CS;  
  
SET_OUTPUT_FLAG_STR(V0OPNAME)ENDSTACK_IDSC(); /* STR Garbage Collector */  
  
CLEAR_OUTPUT_FLAG_STR(V0OPNAME)  
return;  
}  
/* ----- end of source -----*/
```