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## Procedure TEST\_TABLE

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### 1 Drank

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To test a "cell" (or a whole column) of a concept of the type `counts`.

Print `OK` if the value found in the cell is identical to `NOOK`, the value bench-mark datum if not.

This command is used primarily by the cases tests to validate the NON-regression of the results.

## 2 Syntax

```

TEST_TABLE      (
  ◆TABLE      =matable      ,                               [array]
  # 1. Selection of the column to be tested:
  will ◆NOM_PARA=para      ,
  [kN]
  / # 1.1 Selection of line containing the cell to be tested:
  ◆FILTRE      = (_F ( ◆NOM_PARA = para      ,                               [kN]
                    /◆CRIT_COMP=/
[default]
                    /"NE"      ,
                    /"LT"      ,
                    /"GT"      ,
                    /"LE"      ,
                    /"GE"      ,
                    ◆/VALE_I      = ival      ,                               [I]
                    /VALE_K      = kval      ,                               [kN]
                    //      VALE= rval      ,                               [R]
                    / VALE_C= cval      ,                               [C]
                    ◇ | ACCURACY =/PREC      ,                               [R8]
                    /1.0E-3      ,
[DEFAULT]
                    | CRITERE =      "RELATIF"      ,
[DEFAULT]
                    / "ABSOLU"      ,
                    /◆CRIT_COMP=/
                    "MAXI"      ,
                    /"MAXI_ABS"      ,
                    /"MINI"      ,
                    /"MINI_ABS"      ,
                    /"VIDE"      ,
                    /"NON_VIDE"      ,
                    ),),
  /# 1.2 to test the set of a column:
  ◆TYPE_TEST      =      "SOMM_ABS"      ,
                    / "SOMM"      ,
                    / "MAX"      ,
                    / "MIN"      ,
  # 2.Définition of the value of reference:
  # to see TEST_RESU [u4.92.01]
  ◇INFO      =/1      ,
[DEFAULT]
                    /2      ,
                    )

```

## 3 Operands

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### 3.1 Operand COUNTS

One gives the name of the array which one wants to test.

### 3.2 Operand NOM\_PARA

One gives the name of the parameter identifying the column to be tested.

### 3.3 To test a cell; key word FILTRE

This key word factor (répétable at will) is used to select line containing the cell to be tested. The use of this key word is described in command IMPR\_TABLE [U4.91.03]. The only difference compared to IMPR\_TABLE is that the comparison criterions (CRIT\_COMP) of inequality are not available.

**Note:**

*It is often necessary to repeat this key word to select line single, this is why command TEST\_TABLE makes it possible to test only one value at the same time. If one wants to test 3 values in an array, 3 times should be called the command.*

### 3.4 To test a whole column

/TYPE\_TEST = "SOMM\_ABS"

the sum of the absolute values of all the column of the array.

/TYPE\_TEST = "SOMM"

the sum of the values of all the column of the array.

/TYPE\_TEST = "MAX"

the maximum of the values of all the column of the array.

/TYPE\_TEST = "MIN"

minimum of the values of all the column of the array.

### 3.5 Key words common to commands TEST\_XXX

the definition of the values of non regression and reference, as well as acceptable tolerances, the comparison criterion is detailed in documentation [u4.92.01] of the command TEST\_RESU.

### 3.6 Operand INFO

◇INFO = inf

Prints additional information in the file "message" if inf=2. Do not print anything if inf=1.

## 4 Example

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to test the array maxFchoc :

```
TEST_TABLE ( ARRAY =maxFchoc , NOM_PARA = "MAXI",  
            FILTRE= ( _F (NOM_PARA = "FONCTION", VALE_K =  
"effochoc"),  
                    _F (NOM_PARA = "INST" , VALE = 3.76E-1),)  
            REFERENCE = "ANALYTIQUE",
```

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VALE\_CALC = - 6,298299978E2  
VALE\_REFE = -6.2983E2, )