
Data format sd_table

Summarized:

We describe the JEVEUX objects below describing the sd_table. The arrays of the command set (python) also have a "image" in the space python which is not described here.

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1 Tree structure of data structure

```
COUNT (K19) ::= record
  " .TBBA'OBJSVR8dim           = 1
  " .TBNP'  OBJSVIdim         = 2
  " .TBLP'OBJSVK24dim        = 4*nombre of parameters
```

Note:

Contrary to what is written above, the name *D* an array does not have 19 characters; we will see below that the convention of names chosen for the objects containing Boolean array imposes that the true name of an array is restricted with 17 characters. The last two characters must be "white".

2 Contained JEVEUX objects

".TBBA"	Describes the base where the array is defined: "G", "V"
".TBNP"	(1) Many parameters of the array
	(2) Many lines of array
".TBLP"	Describes the parameters of the array. For each parameter:
	(1) Name of the parameter
	(2) Standard of the parameter (I, R, C, K8, K16, K24, K32)
	(3) Name of the JEVEUX object containing the values associated with the parameter
	(4) Name with the JEVEUX object containing the Boolean ones associated with the parameter

A each parameter are associated 2 JEVEUX objects which contain all the values defined in the array.

Names of the JEVEUX objects created:

For the parameter of number *ipar* :

```
.TBLP ((ipar-1) *4 + 3)=nom_table (1:19)/".00IJ"
.TBLP ((ipar-1) *4 + 4)=nom_table (1:17)/"LG.00IJ"
```

where 00IJ is the number *ipar* coded on 4 characters (number tallied on the right).

Object ".00IJ" (of type .TBLP ((*ipar*-1) *4 + 2)) contains the values of the array for the parameter *ipar*. This object is a vector JEVEUX dimensioned at least with the number of lines of 11 array.

To know if line the *ilign* of the array contains the parameter *ipar*, it is necessary to use the vector of "Boolean" "LG.00IJ" :

```
"LG.00IJ" (ilign) = 0 (blank cell) or 1 (full cell).
```

3 Example

Is the array which is printed in the form:

A	B	C	D
12	-	Z1	-
13	3.50000E+00	-	-
14	-	-	15

contents of the JEVEUX objects is the following:

```

PRINTING SEGMENT OF VALUES >MA .0001 <
  1 - 12 13 14 0
  6 - 0 0
PRINTING SEGMENT OF VALUES >MA .0002 <
  1 - 0.00000E+00 3.50000E+00 0.00000E+00 0.00000E+00 0.00000E+00
  6 - 0.00000E+00 0.00000E+00
PRINTING SEGMENT OF VALUES >MA .0003 <
  1 - >Z1 <> <> <> <> <> <> <>
PRINTING SEGMENT OF VALUES >MA .0004 <
  1 - 0 0 15 0 0
  6 - 0 0
PRINTING SEGMENT OF VALUES >MA .TBBA <
  1 - >G <
PRINTING SEGMENT OF VALUES >MA .TBLP <
  1 - >A <>I <
  3 - >MA .0001<>MA LG.0001<
  5 - >B <>R <
  7 - >MA .0002<>MA LG.0002<
  9 - >C <>K8 <
 11 - >MA .0003<>MA LG.0003<
 13 - >D <>I <
 15 - >MA .0004<>MA LG.0004<
PRINTING SEGMENT OF VALUES >MA .TBNP <
  1 - 4 3
PRINTING SEGMENT OF VALUES >MA LG.0001 <
  1 - 1 1 1 0 0 0 0
PRINTING SEGMENT OF VALUES >MA LG.0002 <
  1 - 0 1 0 0 0 0 0
PRINTING SEGMENT OF VALUES >MA LG.0003 <
  1 - 1 0 0 0 0 0 0
PRINTING SEGMENT OF VALUES >MA LG.0004 <
  1 - 0 0 1 0 0 0 0

```