

## Structure of data sd\_table

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### Summary:

We describe the objects below JEVEUX describing them sd\_table. The tables of the command set (python) also have one "image" in the space python which is not described here.

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## 1 Tree structure of the structure of data

```
TABLE (K19) ::= record
  \.TBBA'   OBJ   S   V   R8   dim = 1
  \.TBNP'   OBJ   S   V   I   dim = 2
  \.TBLP'   OBJ   S   V   K24  dim = 4*nombre of parameters
```

**Note:**

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

## 2 Contents of objects JEVEUX

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

With each parameter 2 objects are associated JEVEUX who contain all the values defined in the table.

Names of the objects JEVEUX 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).

The object `'.00IJ'` (of type `.TBLP ((ipar-1) *4 + 2)`) contains the values of the table for the parameter `ipar`. This object is a vector JEVEUX dimensioned at least with the number of lines of `ll` table.

To know if the line `ilign` table 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

That is to say the table which is printed in the form:

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

The contents of objects JEVEUX are the following:

```

SEGMENT IMPRESSION OF VALUES >MA .0001 <
  1 - 12 13 14 0 0
  6 - 0 0
SEGMENT IMPRESSION 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
SEGMENT IMPRESSION OF VALUES >MA .0003 <
  1 - >Z1 <> <> <> <> <> <> <>
SEGMENT IMPRESSION OF VALUES >MA .0004 <
  1 - 0 0 15 0 0
  6 - 0 0
SEGMENT IMPRESSION OF VALUES >MA .TBBA <
  1 - >G <
SEGMENT IMPRESSION 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<
SEGMENT IMPRESSION OF VALUES >MA .TBNP <
  1 - 4 3
SEGMENT IMPRESSION OF VALUES >MA LG.0001 <
  1 - 1 1 1 0 0 0 0
SEGMENT IMPRESSION OF VALUES >MA LG.0002 <
  1 - 0 1 0 0 0 0 0
SEGMENT IMPRESSION OF VALUES >MA LG.0003 <
  1 - 1 0 0 0 0 0 0
SEGMENT IMPRESSION OF VALUES >MA LG.0004 <
  1 - 0 0 1 0 0 0 0

```