

# SECTION#

SECTION# returns a string containing the section with corresponding parameter values (and names) of two Telitab sets

## Syntax

SECTION#(Telitab\_1\$, UnfoldPar\_1\$, Telitab\_2\$, UnfoldPar\_2\$, Mode%)

### Arguments

- Telitab\_1\$ is a string expression containing/returning the first Telitab set.
- UnfoldPar\_1\$ is a name of parameter for which to unfold the first Telitab set, see also the [UNFOLD#\(\)](#) function.
- Telitab\_2\$ is a string expression containing/returning the second Telitab set.
- UnfoldPar\_2\$ is a name of parameter for which to unfold the second Telitab set.
- Mode% provides options how to return the result
- Mode% = 0 returns the section containing **only** the parameters present in both the sets of section cases.
- Mode% = 1 returns the section containing all parameters in both the section cases.

## Examples

### SECTION with Mode%=0

Before explaining the SECTION function, some words on unfolding a Telitab set for a particular parameter. Unfolding implies that the record(s) containing this parameter are moved to the top of the hierarchy.

So if Telitab\_1\$ contains the dataset:

```
2
"MODELS"
{
0
-4 "1" "2" "3" "4"
"MODMAT$" "wood" "foam" "wood" "plywood"
"LPP" 112.30 133.80 98.60 145.00
"B" 17.80 21.50 16.42 22.40
"T" 7.65 9.20 6.70 9.40
}
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
```

To explain the data:

you have two objects, MODELS and PROJECTS presented as list values in Telitab\_1\$ containing TeLiTabs themselves (with several parameters). LPP is part of the MODELS object ([TeLiTab](#)).

When you unfold Telitab\_1\$ dataset on parameter "LPP", you get:

```
1
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
0
-4 "1" "2" "3" "4"
"MODMAT$" "wood" "foam" "wood" "plywood"
"LPP" 112.30 133.80 98.60 145.00
"B" 17.80 21.50 16.42 22.40
"T" 7.65 9.20 6.70 9.40
```

You see that PROJECT still is a separate object (and presented as a list value in Telitab\_1\$). All other data (which was part of the MODELS object) now is part of Telitab\_1\$ and thus a table in the [TeLiTab](#).

To unfold a Telitab set for a particular parameter implies that the record(s) containing this parameter are moved to the top of the hierarchy. If UnfoldPar\$ = "NullString", no unfolding is performed.

The section should be performed on two Telitabs, so,

Telitab\_2\$ contains the dataset:

```
0
-4 "1" "2" "3" "4"
"MODNO$" 5684 6231 6301 6537
"LPP" 112.30 162.70 133.80 118.50
"B" 17.80 27.80 21.50 16.70
"T" 7.65 11.20 9.20 6.80
```

and UnfolPar\_2\$ contains "NullString", so no unfolding is performed

Now the actual section is created using the following syntax:  
SECTION#(Telitab\_1\$, "LPP", Telitab\_2\$, "NullString", 0)

and it returns:

```
0
-3 "1" "2"
"LPP" 112.30 133.80
"B" 17.80 21.50
"T" 7.65 9.20
```

Please note that using Mode%=0 means that the section is returned casewise (per row) and case parameters not present in both sets like "MODNO\$", "MODMAT\$" and the object "PROJECT" are not in the returned result.

## SECTION with Mode%=1

If these parameters should be also in the result, use Mode%=1, so for the above argument values,

SECTION#(Telitab\_1\$, "LPP", Telitab\_2\$, "NullString", 1)

returns:

```
1
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
-5 "1" "2"
"MODMAT$" "wood" "foam"
"LPP" 112.30 133.80
"B" 17.80 21.50
"T" 7.65 9.20
"MODNO$" 5684 6301
```

The SECTION#() function with Mode%=1 can be used as a special query function. The section of two Telitab sets produced by this function completes a set of data by combining data from two source sets in a single table (see also [UNION#\(\)](#)).

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