

# REMDOUBL#

REMDOUBL# returns a Telitab subset from which multiple occurring cases are removed

## Syntax

1. REMDOUBL#(Mode%, Telitab\$,Deviation,[ArgPar\_1\$,...,ArgPar\_n\$])
2. REMDOUBL#(Telitab\$,[ArgPar\_1\$,...,ArgPar\_n\$])

### Arguments

- Mode% is the way you want to remove **or** use double values:
  - Mode% = -2 inverse remove, will only leave the double values, keeping Deviation into account
  - Mode% = -1 standard remove of double values, removing **all** double values, keeping Deviation into account
  - Mode% = 0 standard remove of double values, leaving one case (the very first one...), keeping Deviation into account
  - Mode% > 0 standard remove of double values (comparable to Mode% = 0 ) but returning only the column with a number equal to Mode%, keeping Deviation into account
- Telitab\$ is a string expression containing table to be analysed.
- Deviation is a very small value required for instance in order to compensate errors due to internal rounding
- ArgPar\_1\$,...,ArgPar\_n\$ is an optional list of parameter names in Telitab\$ to base the REMDOUBL# on.

## Remarks

1. By means of the Mode% in combination with Deviation, you are able to get specific sections from a dataset.
2. By standard (second syntax) any second case of a table for which the values of **ArgPar\_1\$,...,ArgPar\_n\$** are the same, is removed from the table.
3. If **ArgPar\_1\$,...,ArgPar\_n\$** is void, **all** parameters in the table should have the same value as in any previous case in order to be removed from the set.

## Examples

When we use the relation:

```
REMDOUBL#(Telitab$, "SPEED", "RPM")
```

for Telitab\$:

```
0
6 "RUN" "SPEED" "RPM" "TORQUE" "THRUST"
"1" 5607401001 0.00 803.00 132.27 -39.32
"2" 5607401002 0.35 835.69 133.02 -39.08
"3" 5607401003 0.70 877.99 135.47 -39.23
"4" 5607401004 1.39 903.04 118.85 -32.78
"5" 5607401005 0.35 835.69 133.02 -39.08
"6" 5607401006 2.10 902.16 92.47 -23.55
"7" 5607401007 0.35 860.41 133.02 -39.08
```

Will return:

```
0
6 "RUN" "SPEED" "RPM" "TORQUE" "THRUST"
"1" 5607401001 0.00 803.00 132.27 -39.32
"2" 5607401002 0.35 835.69 133.02 -39.08
"3" 5607401003 0.70 877.99 135.47 -39.23
"4" 5607401004 1.39 903.04 118.85 -32.78
"5" 5607401006 2.10 902.16 92.47 -23.55
"6" 5607401007 0.35 860.41 133.02 -39.08
```

Case 5 (row 5) is removed because SPEED and RPM are the same as in case 2.

**Please note**, REMDOUBL#(Telitab\$) would return the complete Telitab\$ as result due to the difference RUN numbers (also for cases 2 and 5).

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