Formula Collision: Example I

Our sample query has two structures with the following elements:

- Key figures
  - Transaction Counter: is a basis key figure of the provider
  - Formula 2: = Transaction Counter < 2500
- Structure
  - Formula 1: = M001 + M002
  - M002: selection Material = M002
  - M001: selection Material = M001

In the cell 'Formula 1'/'Formula 2' we have a so called Formula Collision.

The 'Formula 1' has the setting 'Eliminate Formula Collision' = 'Use Result of this Formula'

The 'Formula 2' has the setting 'Eliminate Formula Collision' = 'Use Default'

When we run the query in RSRT, the following result is displayed:
So, in this case the system has applied Formula 2 on both selection M001 and M002 and then calculated the sum (Formula 1).

When the setting 'Eliminate Formula Collision' of 'Formula 1' is changed to 'Use Result of Competing Formula', the query result changes as follows.

In this case, the OLAP Engine first calculated the sum of the two selections (Formula 1 = 3.490) and the applied 'Formula 2': 3.490 < 2500 is false (0).

If we use the Key Figure Definition in both cases, we can see how exactly the OLAP Engine has calculated these two different results: