

Thinking Machine for Excel - Andrea Mirarchi

Original Table (Excel Input)

Row	Region	Revenue
1	EU	120,000 €
2	Europe	95,000
3	EU	110,000 EUR
4	EU	
5	Europe	approx. 102,500
6	EU	100k
7	eu	N/A

Feature 1 — Ambiguity Analysis and Assumptions

Working Table with Issues Column

Row	Region	Revenue	Issues
1	EU	120,000 €	! Ambiguous currency
2	Europe	95,000	! Ambiguous region
3	EU	110,000 EUR	! Ambiguous currency
4	EU		! Missing revenue
5	Europe	approx. 102,500	! Estimated value
6	EU	100k	! 'k' suffix
7	eu	N/A	! Non-numeric revenue

Detected Ambiguities and Choices

Ambiguous currency in the column

- €
- EUR
- Remove currency symbol
- Ignore

Ambiguous region in the column

- Europe
- eu
- EU
- Ignore

Non-numeric or missing revenue (Rows: 4, 7)

- Remove row
- Set revenue to 0
- Ignore

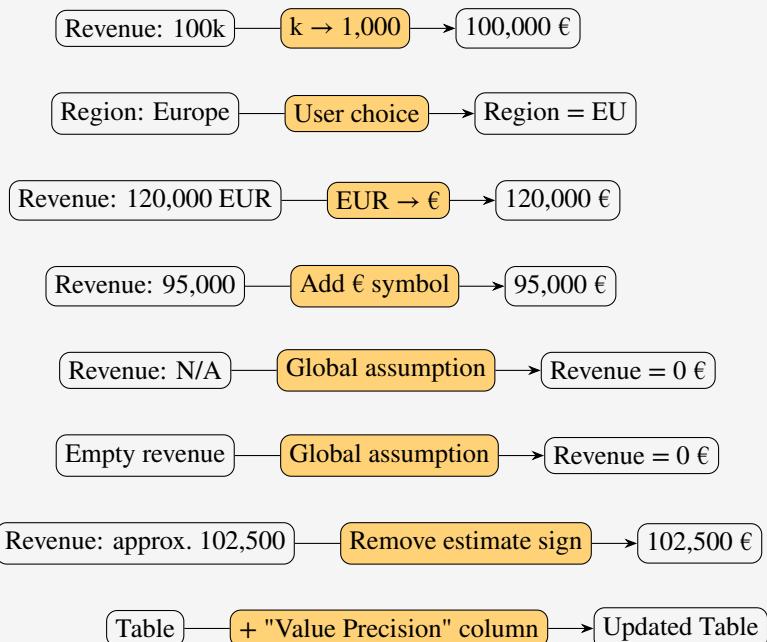
Estimated numeric value (Row: 5)

- Remove estimate sign
- Remove estimate sign and add "Value Precision" column
- Ignore

Detected 'k' suffix (Row: 6)

- k → 1,000
- Ignore

Operations Graph



Cleaned Table

Row	Region	Revenue	Value Precision
1	EU	120,000 €	YES
2	EU	95,000 €	YES
3	EU	110,000 €	YES
4	EU	0 €	YES
5	EU	102,500 €	NO
6	EU	100,000 €	YES
7	EU	0 €	YES

Execute Resolution

Save to Excel

Feature 2 — Filters / What-If Analysis

Filters

Column: Revenue ▾

Operator: > ▾

Value: 0

Execute Scenario

Apply the selected filter (e.g., Revenue > 0) to display only rows with meaningful values.

Filtered Table

Row	Region	Revenue	Value Precision
1	EU	120,000 €	YES
2	EU	95,000 €	YES
3	EU	110,000 €	YES
5	EU	102,500 €	NO
6	EU	100,000 €	YES