Variable Union Component

Use this component to combine two or more variable sets into a single set.

When variables from different sets have matching names, the component adds numbers to these names in the output set. If a variable name ends in a digit, the component numbers matching names in ascending order in the output set.

Ports

Input

- **Input variables**: Accepts an optional variable set.
- **Added variables**: Accepts an optional variable set.
- **Add another port**: Use this button to add input ports for more variable sets.

Output

- **Output variables**: Provides a new variable set.

▼ Example:

Consider three variable sets:

Set A:

Name	Caption	Value
a0	a	10
b	b	12

Set B:

Name	Caption	Value
a0	a	20
c	c	18

Set C:

Name	Caption	Value
a1	a	30
b	b	25

After connecting these sets to the **Variable Union** node (in their original sequence), the output provides the following variable list:

Name	Caption	Value	Note
a0	a	10	From set A, variable a0
b	b	12	From set A, variable b
a1	a	20	From set B, variable a0
c	c	18	From set B, variable c
a2	a	30	From set C, variable a1
b_1	b	25	From set C, variable b

Apart from the initial columns, the node adds a new **Note** column with explanatory information.

Note that the component renamed the second variable `b` to `b_1` and the second variable `a0` to `a1`. It then renamed the original `a1` to `a2` because to avoid a duplicate name.

Read on: Table to Variables Component