## **Sort operator**

Sort all valid elements according to a list of attribute values.

## **Parameter**

- attributes: The list of attribute names to use for sorting
- ascending: Optional boolean values that flags, if the given list of attributes should be sorted in ascending or descending order. Default value is
  descending.

Note: Because of the non-decreasing order of time in a data stream sorting is only possible inside a relation with equal start and end timestamp. Output is only created **after** an element is read with a higher start time stamp than the highest end timestamp!

So in the following example, output is created after reading the last "a"-value.

```
a [0,10] --> no output
c [0,10] --> no output
b [0,10] --> no output
a [10,20] --> Output of three tuples a [0,10], b [0,10], c [0,10]
```

## **Example**

PQL

## **Sort Operator**