# Order of Operation for Generators

## Generator Types

When multiple generators are present in a structure, they are run in the following order, based on their generator type:

1. Insert generators
2. Extend generators
3. Filter generators
4. Group generators
5. Sort generators

## Generators of the Same Type

If there are multiple generators of the same type, they are run in the order they are listed, from top to bottom.

- This does not affect the results of Insert, Extend or Filter generators.
- This does affect the results of Group and Sort generators. With multiple Group generators, items will be grouped first by the top-most Group generator, then by the second highest, etc. The same is true with Sort - the order of the Sort generators defines which field the structure is sorted by first, second, and so on.

To change the order generators of the same-type are run, simply move them up or down in the structure.



Moving generators up or down in the structure does not affect which types of generators are run first.