Using the Configuration Generator with GridSearch

Basic Usage

```
python make_config.py --algo TF --minw 0.1 0.2 0.3 -0.5 --maxw 1.0 1.5 2.0 0.5
--solver GridSearch --steps 3
```

This will generate 81 configuration files (3^4 = 81 combinations of weights) with names like `GridSearch_TF_1.json`, `GridSearch_TF_2.json`, etc.

Using Custom Parameters

First, create a params.json file with GridSearch-specific parameters:

```
{
    "resolution": {
        "type": "cat",
        "values": [5, 10]
    },
    "nested": {
        "type": "cat",
        "values": [true, false]
    }
}
```

Then run the script with the params file:

```
python make_config.py --algo TF --minw 0.1 0.2 0.3 -0.5 --maxw 1.0 1.5 2.0 0.5
--solver GridSearch --steps 2 --params params.json
```

This will generate 64 configuration files (2^4 × 2 × 2 = 64 combinations):

- 2^4 = 16 weight combinations (2 steps for each of the 4 weights)
- 2 different resolution values (5 and 10)
- 2 different nested values (true and false)

Each generated file will contain:

- The base GridSearch configuration
- The algorithm set to "TF"
- One of the weight combinations
- One of the resolution values
- One of the nested boolean values

The files will be named `GridSearch_TF_1.json` through `GridSearch_TF_64.json`.