

compnal::model::BaseU1Spin  
\_1D::GenerateBasis

compnal::model::BaseU1Electron  
\_1D::GenerateBasis

compnal::utility::Calculate  
NumCombination

```
graph LR; A[compnal::model::BaseU1Spin_1D::GenerateBasis] --> C[compnal::utility::CalculateNumCombination]; B[compnal::model::BaseU1Electron_1D::GenerateBasis] --> C;
```

The diagram illustrates a dependency or flow where two separate basis generation functions from the `compnal::model` namespace (one for spin and one for electron) both utilize a common utility function, `compnal::utility::CalculateNumCombination`, to determine the number of combinations.