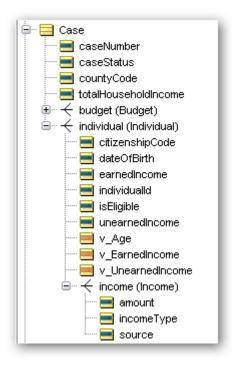
Automatic Generation of Test Data with Associations

The first rule model showed how you can automatically generate all combinations of test data for a single business object by making use of the power of the scope section.

Now let's consider how to do this when there are associations involved.

Suppose you want to generate instances of this vocabulary:



This can be done in three steps:

- 1. First generate all possible cases
- 2. Then add all possible individuals and budgets to each case
- 3. Then add all possible incomes to each individual

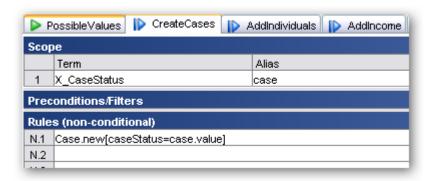
If you need to limit the individuals, or incomes being added then you can do it with additional rules.

Just as in the simple example we'll need ancillary business objects to hold the values:

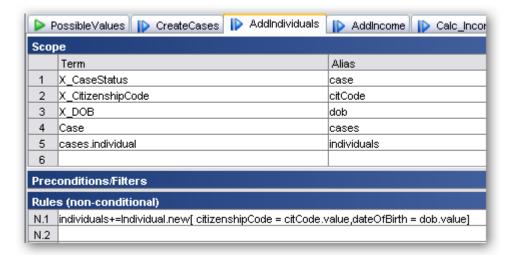


And then the rule sheets will look like this:

Create Cases

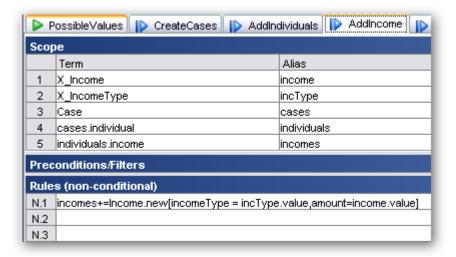


Add Individuals



Notice the use of the += to associate the newly created instance with a case (every case in fact). If you need to limit the individuals, or incomes being added then you can do it by moving the non conditional rule down into the decision table and adding appropriate conditions (perhaps use a random number generator?)

Add Incomes



When you run this you will get a result like this:

