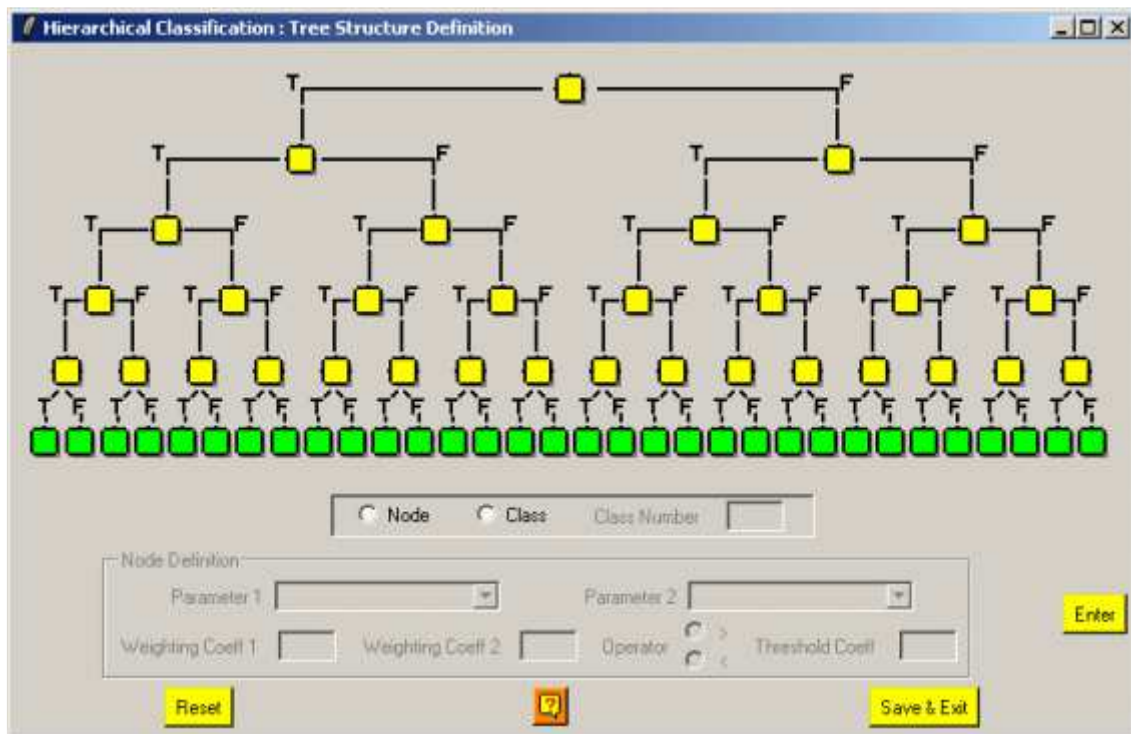


Hierarchical Tree Architecture Editor



Description:


This graphic interface allows the user to define the knowledge based classification tree structure. This hierarchical structure leads to a maximum of 32 output classes.



Corresponds to a **class** as terminal node.



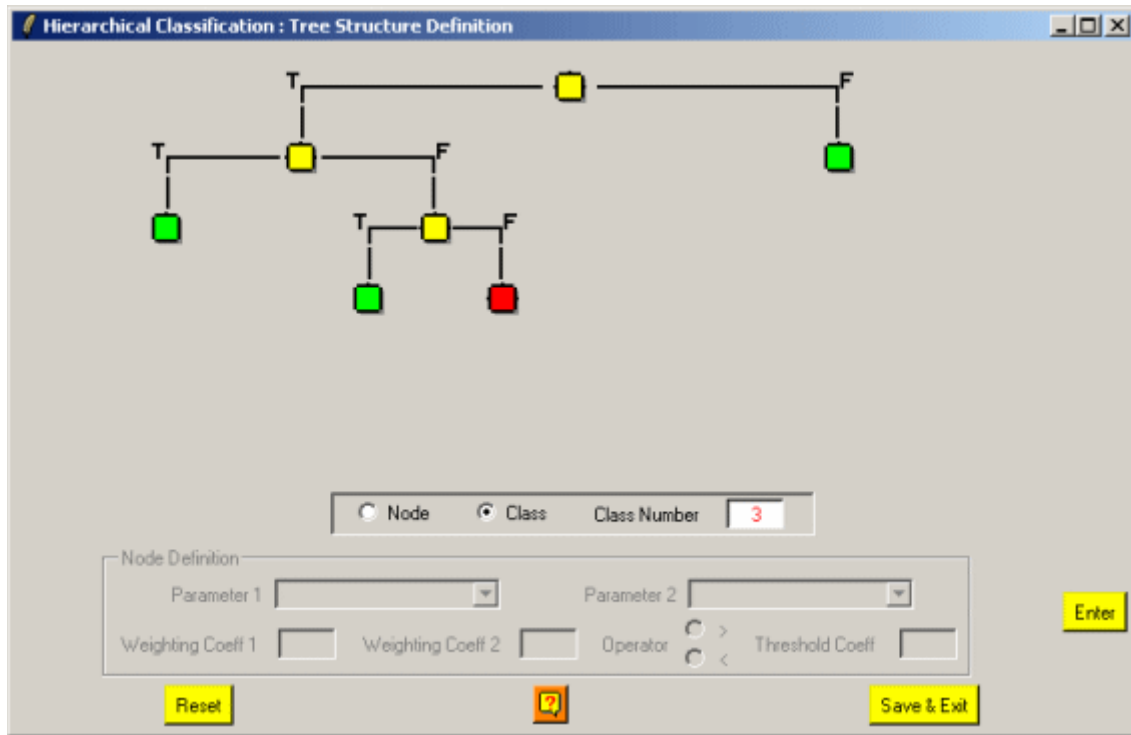
Corresponds to a **node**

When selected during the definition and specification, the class button or the node button transforms to the following active button: 

Note: T leads for True and F for False.

Class Definition:

If selected as a **class** (terminal node), the user has just to enter the number of the corresponding output class.



Node Definition:

If selected as a **node**, the user has to define and specify the evaluation expression of the node.

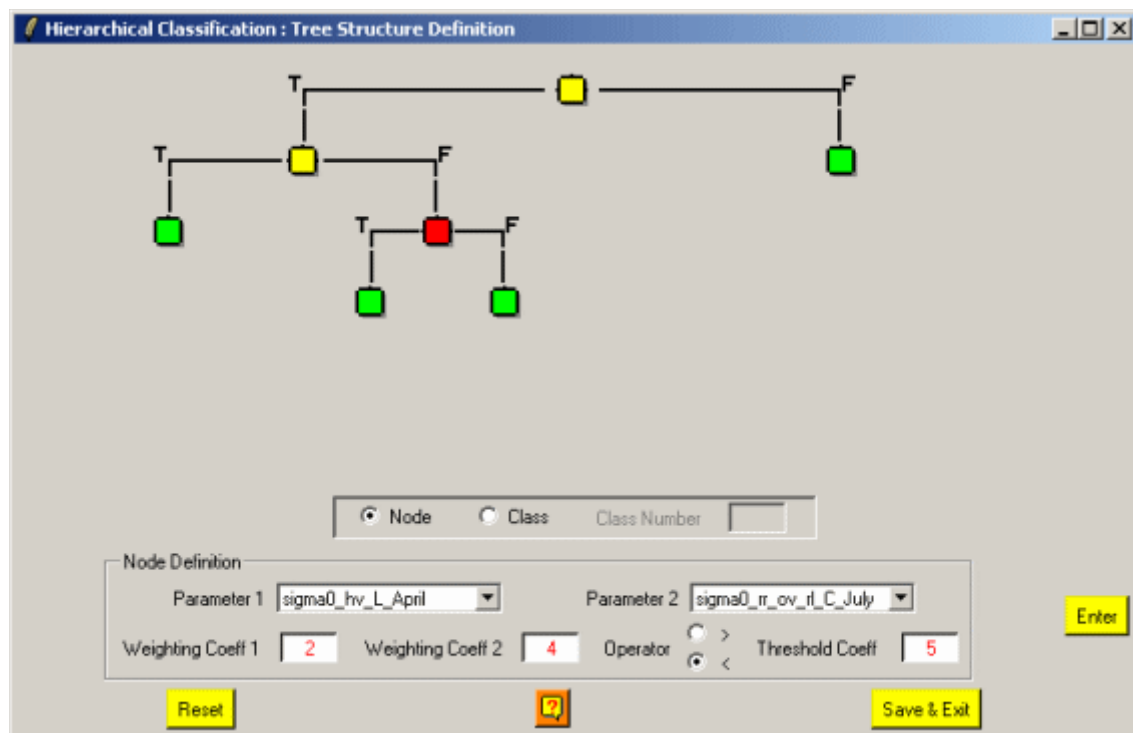
The general evaluation for each node is given by the expression:

$$a \text{ para1} + b \text{ para2} > c \text{ or } a \text{ para1} + b \text{ para2} < c$$

Where the coefficients **a** and **b** are respectively given the **Weighting Coeff 1** and **Weighting Coeff 2**. The coefficient **c** is given by the **Threshold Coeff**.

The operator (> or <) is selected by clicking on the corresponding buttons.

The two parameters **parameter 1** and **parameter 2** are selected by the user from the associated Parameters List.



In the following figure is given an example of a hierarchical classification scheme.

