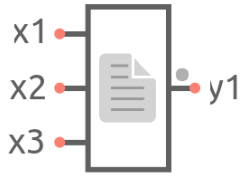


lut_file_3_to_1.gce



Attributes

```
mainvars: x1 x2 x3 y1
sparms: file_name=None
```

Description

lut_file_3_to_1.gce implements a 3-to-1 look-up-table which is provided in a file. The output y_1 is assigned a value that corresponds to the inputs x_1 , x_2 , and x_3 . The variable x_1 is expected to take values from 1 to n_1 , and so on. The first row of the file should include the values of n_1 , n_2 , n_3 . The y values are to be provided in the following order. The indices represent x_1 , x_2 , x_3 , respectively.

```
( 1, 1, 1)
( 1, 1, 2)
...
...
( 1, 1,n3)
( 1, 2, 1)
( 1, 2, 2)
...
...
( 1, 2,n3)
...
...
...
( 1,n2, 1)
( 1,n2, 2)
...
...
( 1,n2,n3)
( 2, 1, 1)
( 2, 1, 2)
...
...
...
(n1,n2,n3)
```

The document on `lut_file_2_to_1.gce` would be useful to understand the syntax to be followed.

If $x1 < 1$ is specified, it is treated as 1; similarly, if $x1 > n1$ is specified, it is treated as $n1$. If $x1$ differs from an integer, the nearest integer is used instead of $x1$. Similar comments apply to $x2$ and $x3$.

The string parameter `file_name` gives the name of the file containing the look-up table. If the absolute path is not specified, the file is expected to be present in the `SEQUEL Output` directory.

AC behaviour is not implemented.