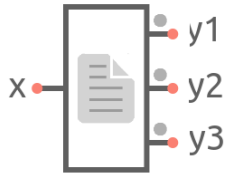


lut_file_1_to_3.gce



Attributes

```
mainvars: x y1 y2 y3
sparms: file_name=none
```

Description

lut_file_1_to_3.gce implements a 1-to-3 look-up-table which is provided in a file. The outputs y_1 , y_2 , y_3 are assigned values which correspond to the input x . Consider the following file as an example.

```
4 3
0.1
0.2
0.3
1.1
1.2
1.3
2.1
2.2
2.3
3.1
3.2
3.3
```

The file is interpreted as follows.

```
4 3  n1,n2
0.1  y1(1)
0.2  y2(1)
0.3  y3(1)
1.1  y1(2)
1.2  y2(2)
1.3  y3(2)
2.1  y1(3)
2.2  y2(3)
2.3  y3(3)
3.1  y1(4)
3.2  y2(4)
3.3  y3(4)
```

In this example, since **n1** is specified as 4, **x** is expected to be 1, 2, 3, or 4. If **x** is specified as 2, the output would be $y_1 = 1.1$, $y_2 = 1.2$, $y_3 = 1.3$. If $\mathbf{x} < 1$ is specified, it is treated as 1; similarly, if $\mathbf{x} > 4$ is specified, it is treated as 4. If **x** differs from an integer, the nearest integer is used instead of **x**.

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.