



Figure 1: `lmtr.gce`: input-output relationship.

`cmprtr_hyst_1.gce`

Attributes

```
mainvars: x y
rparms: xmin=-1 xmax=1
```

Description

`lmtr.gce` limits the value of the output variable y if the input variable is outside a certain range. Specifically,

$$\begin{aligned}
 y &= x_{\min} && \text{if } x < x_{\min}, \\
 &= x_{\max} && \text{if } x > x_{\max}, \\
 &= x && \text{otherwise.}
 \end{aligned}$$

The input-output relation is as shown in Fig. 1. Note that there are no restrictions on x_{\min} and x_{\max} except $x_{\min} < x_{\max}$.

AC behaviour is not implemented.