

signum.xbe

Attributes

```
xbe name=signum evaluate=yes
Jacobian: variable
input_vars: x
output_vars: y
aux_vars:
iparms:
sparms:
rparms:
stparms:
igparms:
outparms: x y
```

Description

signum.xbe implements the signum function:

$$\begin{aligned} y &= -1 && \text{if } x < 0, \\ &= 1 && \text{if } x > 0, \\ &= 0 && \text{if } x = 0. \end{aligned}$$