pwl10_xy.xbe

Attributes

```
xbe name=pwl10_xy evaluate=yes
# y vs x described in a piecewise linear form
Jacobian: variable
input_vars: x
output_vars: y
aux_vars:
iparms: n=2
sparms:
rparms:
+   x1=1 x2=1 x3=1 x4=1 x5=1
+   x6=1 x7=1 x8=1 x9=1 x10=1
+   y1=1 y2=1 y3=1 y4=1 y5=1
+   y6=1 y7=1 y8=1 y9=1 y10=1
stparms:
igparms:
outparms: x y
```

Description

    `pwl10_xy.xbe` is used to generate a piecewise linear function $y(x)$ up to 10 "break points." The parameters have the following meaning:

n: Number of break points.

x1,x2, etc.: x value of break point 1, 2, etc.

y1,y2, etc.: value of y at the corresponding break point. y is made constant (equal to y1) for $x < x_1$. Also, y is made constant after the nth break point.

    An example with $n = 3$ is shown below.