div.xbe

Attributes

```
xbe name=div evaluate=yes
# y = k*x1/x2
# (if abs(x2) < delta, then x2 is treated to be equal to delta)
Jacobian: variable
input_vars: x1 x2
output_vars: y
aux_vars:
iparms:
sparms:
rparms:
+   k=1
+   delta=1.0e-6
stparms:
igparms:
outparms: x1 x2 y
```

Description

div.xbe is used to get

$$y = k\, x_1/x_2. \tag{1}$$

If $|x_2| < \delta$, it is treated to be equal to δ if $x_2 > 0$; else, $-\delta$.