sum_5.xbe

Attributes

```
xbe name=sum_5 evaluate=yes
# y = k1*x1 + k2*x2 + ... + k5*x5
Jacobian: constant
input_vars: x1 x2 x3 x4 x5
output_vars: y
aux_vars:
iparms:
sparms:
rparms:
+   k1=1 k2=1 k3=1 k4=1 k5=1
stparms:
igparms:
outparms: x1 x2 x3 x4 x5 y
```

Description

sum_5.xbe is used to get a weighted sum of the inputs x_1, x_2, x_3, x_4, x_5. The output is given by

$$y = \sum_{i=1}^{5} k_i \, x_i. \tag{1}$$