

sum_6.xbe

Attributes

```
xbe name=sum_6 evaluate=yes
# y = k1*x1 + k2*x2 + ... + k6*x6
Jacobian: constant
input_vars: x1 x2 x3 x4 x5 x6
output_vars: y
aux_vars:
iparms:
sparms:
rparms:
+ k1=1 k2=1 k3=1 k4=1 k5=1 k6=1
stparms:
igparms:
outparms: x1 x2 x3 x4 x5 x6 y
```

Description

sum_6.xbe is used to get a weighted sum of the inputs $x_1, x_2, x_3, x_4, x_5, x_6$. The output is given by

$$y = \sum_{i=1}^6 k_i x_i. \quad (1)$$