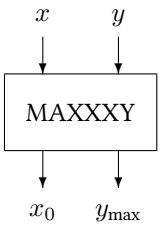
## Block MAXXXY

The MAXXXY block finds the maximum of its second input over a complete simulation run and returns the x and y coordinates.






| | |
|---|---|
| **Name** | MAXXXY |
| **Function** | fb0070 |
| **Inputs** | 2 |
| **Outputs** | 2 |
| **Parameters** | 0 |
| **Strings** | 0 |
| **Group** | I |

### Inputs

| | |
|---|---|
| 1 | Any signal $x$ |
| 2 | Corresponding value $y(x)$ |

### Outputs

| | |
|---|---|
| 1 | $x_0$ coordinate of maximum |
| 2 | Maximum value $y_{\max} = y(x_0)$ |

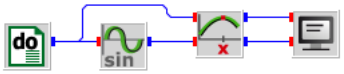
### Parameters

None

### Strings

None

maxxxy.vseit




A DO block provides valaues for an angle $\alpha$ between 0 and 180 degrees in steps of one, which are used by a SIN block to calculate $\sin(\alpha)$.

The MAXXXY block detects the maximum value and outpus the coordinate of the maximum and the value of the maximum to a SCREEN block to show the result.

```
89.98999786  1.00000000
```