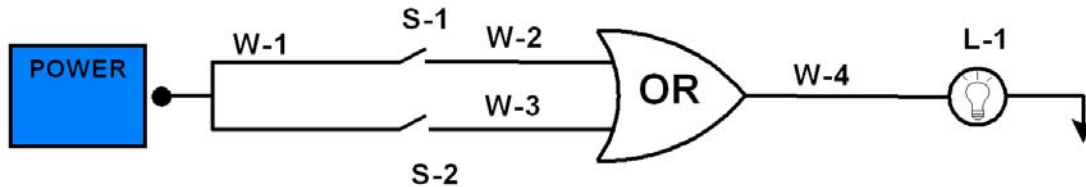


I would like to propose an additional generic string style property named “state”

A simple use case is described below:



The CGM above has grobjects defined with the following ID's

POWER, W-1, W-2, W-3, W-4, S-1, S-2, and L-1

Event handlers are added to POWER, S-1, and S-2

The event handler for POWER would toggle it's visual representation and toggle the “state” style between ON and OFF

The event handler for S-1 and S-2 would toggle it's visual representation and toggle the “state” style between ON and OFF.

The event handlers would also call the following update function:

```
if(POWER style “state”==ON) set W-1 “state” = 5V  
else set W-1 style “state” = 0V
```

```
if (W-1 style “state”==5V and S-1 style “state”==ON) set W-2 style “state” = 5V  
else set W-2 style “state” = 0V
```

```
if (W-1 style “state”==5V and S-2 style “state”==ON) set W-3 style “state” = 5V  
else set W-3 style “state” = 0V
```

```
if (W-2 style “state”==5V or W-3 style “state”==5V) set W-4 style “state” = 5V  
else set W-4 style “state” = 0V
```

```
if (W-4 style “state”==5V) set L-1 fill color = yellow  
else set L-1 fill color = white
```