

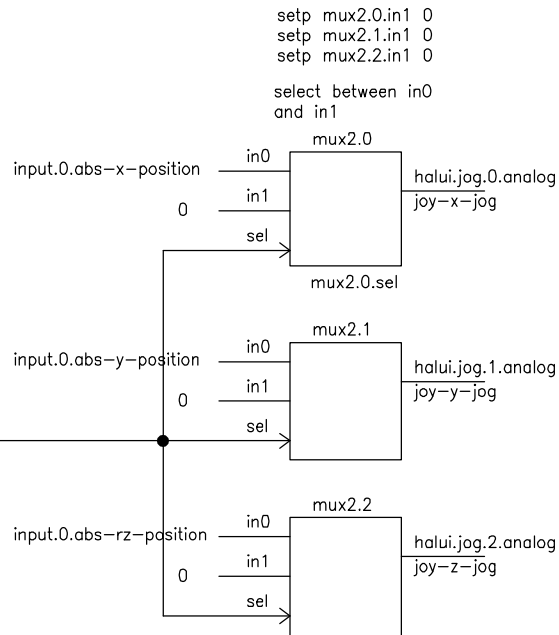
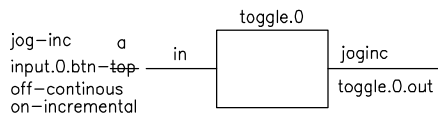
compares in0 and in1 to see if they are close to equal

```
setp mux2.0.in1 0
setp mux2.1.in1 0
setp mux2.2.in1 0
```

select between in0 and in1

```
net joy-speed-1 mux4.0.sel0 <= or2.0.out
```

```
net jog-inc toggle.0.in <= input.0.btn-top
```



```
## send signal to analog jog if not in incremental jog mode
net joy-x-jog halui.jog.0.analog <= mux2.0.out
net joy-y-jog halui.jog.1.analog <= mux2.1.out
net joy-z-jog halui.jog.2.analog <= mux2.2.out
```

```
## toggle from continuous to incremental jogs
net joginc and2.0.in1 and2.1.in1 and2.2.in1 and2.3.in1 and2.4.in1 and2.5.in1
mux2.0.sel mux2.1.sel mux2.2.sel <= toggle.0.out
```

push-on
push-off
from momentary
push-button

hook up the joysticks

```
net joy-x-sig mux2.0.in0 near.0.in2 near.3.in2 <= input.0.abs-x-position
net joy-y-sig mux2.1.in0 near.1.in2 near.4.in2 <= input.0.abs-y-position
net joy-z-sig mux2.2.in0 near.2.in2 near.5.in2 <= input.0.abs-rz-position
```