Watch the Edge!

This program directs MiRo to use cliff sensors and avoid the edges on the table.

```
Program Start
Periodic Control Loop
do    set left_cliff to     Left Cliff Sensor
      set right_cliff to    Right Cliff Sensor
      if       left_cliff and right_cliff = true
      do    Stop Moving
            Start Moving Backwards Fast
            Wait for 1 Seconds
            Stop Moving
            set random to    random integer from 1 to 2
            if    random = 1
            do    Start Turning Left Fast
            else  Start Turning Right Fast
            Wait for 2 Seconds
            Stop Turning
      else if    left_cliff and not right_cliff = true
      do    Stop Moving
            Start Moving Backwards Fast
            Wait for 1 Seconds
            Stop Moving
            Start Turning Right Fast
            Wait for 2 Seconds
            Stop Turning
      else if    not left_cliff and right_cliff = true
      do    Stop Moving
            Start Moving Backwards Fast
            Wait for 1 Seconds
            Stop Moving
            Start Turning Left Fast
            Wait for 2 Seconds
            Stop Turning
      else  Start Moving Forwards Fastest
```

Watch the Edge!

This program directs MiRo to use cliff sensors and avoid the edges on the table.

BEST WAY TO DEMONSTRATE

Simulator: *Very effective*   Robot: *Effective*

SENSORS & OUTPUTS USED

Cliff sensors

DESCRIPTION

This demonstration program moves MiRo around and uses the cliff sensors to detect if near to a table edge. MiRo will then move away from the edge and change direction to try and follow around the tables avoiding all the edges.

EXTENSIONS

- Enhance the program and try and get MiRo to follow around the whole area, past all the obstacles.

- Add sound and light alerts when near an edge.