

These two bits of code combine to make a device that gives a visual indication of angle of PITCH. When the angle is less than -6° or greater than $+6^\circ$ a visual alarm is shown until both button A and B are pressed at the same time.

If this code is repeated for ROLL then a complete solution is obtained. There's plenty of room for creative ideas on the alarm and how it is reset.

```
forever loop:  
  if (rotation (*) pitch > -6 and rotation (*) pitch < -4) then show leds  
  if (rotation (*) pitch > -4 and rotation (*) pitch < -2) then show leds  
  if (rotation (*) pitch > -2 and rotation (*) pitch < 2) then show leds
```

```
forever loop:  
  if (rotation (*) pitch > 2 and rotation (*) pitch < 4) then show leds  
  if (rotation (*) pitch > 4 and rotation (*) pitch < 6) then show leds  
  if (rotation (*) pitch < -6 or rotation (*) pitch > 6) then  
    while (not button A+B is pressed) do  
      show leds  
      pause (ms) 100  
      show leds  
      pause (ms) 100
```