

Program Listing

```
`Buggy
`For PICAXE-18

'76 = motor B
'54 = motor A
'2  = LED B
'1  = LED A
'0  = piezo sounder

`input pin allocation
'1  = sensor B
'0  = sensor A

`start going forwards
`testing switches as you go

main:
    let pins = %01010000
    if pin0 = 1 then left
    if pin1 = 1 then right
    goto main

`left switch hit
`so stop, light LED, beep, reverse, turn
left:
    let pins = %00000100
    sound 0,(100,150)
    let pins = %10100100
    pause 2000
    let pins = %10010100
    pause 1500
    goto main

`right switch hit
`so stop, light LED, beep, reverse, turn other way
right:
    let pins = %00000010
    sound 0,(50,150)
    let pins = %10100010
    pause 2000
    let pins = %01100010
    pause 1500
    goto main
```