

```

when clicked
repeat 1
  digital pin P0 output HIGH
  digital pin P16 output HIGH
  set x to read analog pin P1
  set y to read analog pin P2
  forever
    set x to read analog pin P1
    set y to read analog pin P2
    if x < 1020 and y < 1020 then
      if x < 550 and x > 470 then
        if y < 550 and y > 500 then
          STOP
        else if y < 950 and y > 600 then
          FOREWARD
        else if y < 1023 and y > 960 then
          FAST_FOREWARD
        else if y < 450 and y > 260 then
          BACKWARD
        else if y < 250 and y > 0 then
          FAST_BACKWARD
      else if y < 550 and y > 470 then
        if x < 550 and x > 470 then
          STOP
        else if x < 1023 and x > 650 then
          LEFT
        else if x < 400 and x > 0 then
          RIGHT
      if y < 1023 and y > 650 then
        if x < 900 and x > 650 then
          RIGHT_WIDE
        else if x < 1023 and x > 950 then
          RIGHT_WIDER
        else if x < 400 and x > 250 then
          LEFT_WIDE
        else if x < 220 and x > 0 then
          LEFT_WIDER
      if y < 400 and y > 0 then
        if x < 1023 and x > 650 then
          BACK_LEFT
        else if x < 400 and x > 0 then
          BACK_RIGHT
  
```

```

define SPIN_LEFT
  set motor A direction to that way
  set motor B direction to this way
  set motor A power to 50
  set motor B power to 50
  
```

```

define LEFT_WIDE
  set motor A direction to this way
  set motor B direction to that way
  set motor A power to 50
  set motor B power to 80
  
```

```

define LEFT_WIDER
  set motor A direction to this way
  set motor B direction to that way
  set motor A power to 60
  set motor B power to 100
  
```

```

define RIGHT_WIDE
  set motor A direction to this way
  set motor B direction to that way
  set motor A power to 80
  set motor B power to 50
  
```

```

define RIGHT_WIDER
  set motor A power to 100
  set motor B power to 60
  set motor A direction to this way
  set motor B direction to that way
  
```

```

define SPIN_RIGHT
  set motor A direction to this way
  set motor B direction to that way
  set motor A power to 50
  set motor B power to 50
  
```

```

define RIGHT
  set motor A direction to this way
  set motor A power to 80
  turn motor B off
  
```

```

define LEFT
  set motor B direction to that way
  set motor B power to 80
  turn motor A off
  
```

```

define FOREWARD
  set all motors power to 80
  set motor A direction to this way
  set motor B direction to that way
  
```

```

define FAST_FOREWARD
  set all motors power to 100
  set motor A direction to this way
  set motor B direction to that way
  
```

```

define STOP
  turn all motors off
  
```

```

define BACK_LEFT
  turn motor A off
  set motor B direction to this way
  set motor B power to 80
  
```

```

define BACKWARD
  set all motors power to 80
  set motor A direction to that way
  set motor B direction to this way
  
```

```

define FAST_BACKWARD
  set all motors power to 100
  set motor A direction to that way
  set motor B direction to this way
  
```

```

define BACK_RIGHT
  turn motor B off
  set motor A direction to that way
  set motor A power to 80
  
```

```

define STOP_LEFT
  turn motor B off
  set motor A direction to this way
  set motor A power to 50
  
```

```

define STOP_RIGHT
  turn motor A off
  set motor B direction to that way
  set motor B power to 50
  
```