

'##### Microcontrolador PICAXE 28X2 #####'

iniciar:

readadc10 0, w1

if w1>450 and w1<650 then inicio

if w1<450 then inicio2

if w1>650 then inicio2

goto iniciar

inicio:

readadc10 0, w1

readadc10 1, w2

if w1>450 and w1<650 and w2>450 and w2<650 then parado

if w1<450 and w2>450 and w2<650 then frente

if w1>650 and w2>450 and w2<550 then atras

if w1>450 and w1<650 and w2>250 and w2<450 then direito_lento

if w1>450 and w1<650 and w2>650 and w2<850 then esquerdo_lento

if w1>450 and w1<650 and w2<250 then direito

if w1>450 and w1<650 and w2>850 then esquerdo

if w1<450 and w2<450 then obl_frente_dir

if w1<450 and w2>650 then obl_frente_esq

if w1>650 and w2<450 then obl_atras_dir

if w1>650 and w2>650 then obl_atras_esq

goto inicio

parado:

low 4

low 5

low 6

low 7

goto inicio

atras:

low 4

high 5

low 6

low 7

pwmout 2, 10, 40

goto inicio

frente:

high 4

low 5

low 6

low 7

pwmout 2, 10, 40

goto inicio

direito:

low 4

low 5

low 6

high 7

pwmout 1, 10, 40

goto inicio

esquerdo:

low 4

low 5

high 6

low 7

pwmout 1, 10, 40

goto inicio

direito_lento:

low 4

low 5

low 6

high 7

pwmout 1, 10, 30

goto inicio

esquerdo_lento:

low 4

low 5

high 6

low 7

pwmout 1, 10, 30

goto inicio

obl_frente_esq:

high 4

low 5

high 6

low 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio

obl_frente_dir:

high 4

low 5

low 6

high 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio

obl_atras_esq:

low 4

high 5

high 6

low 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio

obl_atras_dir:

low 4

high 5

low 6

high 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio

'#####

'#####

inicio2:

if pin4=0 and pin5=0 and pin6=0 and pin7=0 then parado2

if pin4=1 and pin5=0 and pin6=0 and pin7=0 then atras2

if pin4=0 and pin5=1 and pin6=0 and pin7=0 then esquerdo2

if pin4=0 and pin5=0 and pin6=1 and pin7=0 then frente2

if pin4=0 and pin5=0 and pin6=0 and pin7=1 then direito2

if pin4=0 and pin5=0 and pin6=1 and pin7=1 then obl_frente_dir2

if pin4=0 and pin5=1 and pin6=1 and pin7=0 then obl_frente_esq2

if pin4=1 and pin5=1 and pin6=0 and pin7=0 then obl_atras_esq2

if pin4=1 and pin5=0 and pin6=0 and pin7=1 then obl_atras_dir2

goto inicio2

parado2:

low 4

low 5

low 6

low 7

goto inicio2

atras2:

low 4

high 5

low 6

low 7

pwmout 2, 10, 30

goto inicio2

frente2:

high 4

low 5

low 6

low 7

pwmout 2, 10, 30

goto inicio2

direito2:

low 4

low 5

low 6

high 7

pwmout 1, 10, 30

goto inicio2

esquerdo2:

low 4

low 5

high 6

low 7

pwmout 1, 10, 30

goto inicio2

obl_frente_esq2:

high 4

low 5

high 6

low 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio2

obl_frente_dir2:

high 4

low 5

low 6

high 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio2

obl_atras_esq2:

low 4

high 5

high 6

low 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio2

obl_atras_dir2:

low 4

high 5

low 6

high 7

pwmout 1, 10, 30

pwmout 2, 10, 40

goto inicio2