AUTOMATIC SPEED LIMITER

\$regfile = "89c51cc.dat"

Dim A As Byte, C As Byte
Colling Del vos-2, Del vos1-1 D.4, Del vos-1 D.D, Reload - Do,
nop
nop nop
пор

P1 = H00
P3=H00
P0=B000011 P2=B000011

Tort assignment
Speed1 Alias P0.0
Speed2 Alias P0.1
Speed3 Alias P0.2
_left Alias P2.0 forward Alias P2.1
_right Alias P2.1 _right Alias P2.2
Red Alias P3.3
Umber Alias P3.2
Blue Alias P3.1
Green Alias P3.0
Waitms 100 'time delay '
While P2 = 7 'free run'
Servo1= 220 Servo2 = 220
Set Red
Waitms 5 'time delay '
Wend
A = 220
V = 220
Set Red
Main:
nop
While P2=0

nop nop ' 75% speed ' If Speed1 =0 Then A=170 C=170 Set Umber Waitms 5 Elseif Speed2 = 0 Then '50% speed ' A=120 C=120 P3=0 Set Blue Waitms 5 Elseif Speed3 = 0 Then A=100 C=100 P3=0 Set Green Waitms 5 End If nop nop nop IP=0 Then Goto Main1 End If If_forward=0 Then ' line scene ' Goto Dri4 Elseif_left=0 Then Goto Dri5=0 Elseif_right=0 Then Goto Dri6 End If Goto Main 'forward' Dri4: Servo1 = AServo2=C Waitms 1 Goto Main Dri5: Servo1=A Servo2=0 Waitms 1 Goto Main

Wend

Dri6: Servo1=0 Servo2=C Waitms 1 Goto Main Main1: WhileP2=0 Wend nop nop IfSpeed3=0 Then ' 50% speed ' A = 120C=120 P3 = 0Set Blue Waitms 5 '75% speed ' Elseif Speed2 =0 A=170C=17= P3=0 Set Umber Waitms 5 Elseif Speed1=0 Then A = 220G = 220P3 = 0Set Red Waitms 5 End if nop nop If P2=0 Then Goto Main End If If_forward=0 Then Goto Dri 14 Else if_left=0 Then Goto Dri15 Elseif_right=0 Then Goto Dri16 Else If Goto main1 Dri 14: Servo1= A ' forward ' Servo2 = C

Waitms 1

Goto Main1

Dri 15:

Servo1= A 'move right'

Servo2 = 0

Waitms 1

Goto Main1

Dri 16:

Servo1= 0

Servo2 = C 'move left'

Waitms 1

Goto Main1

End