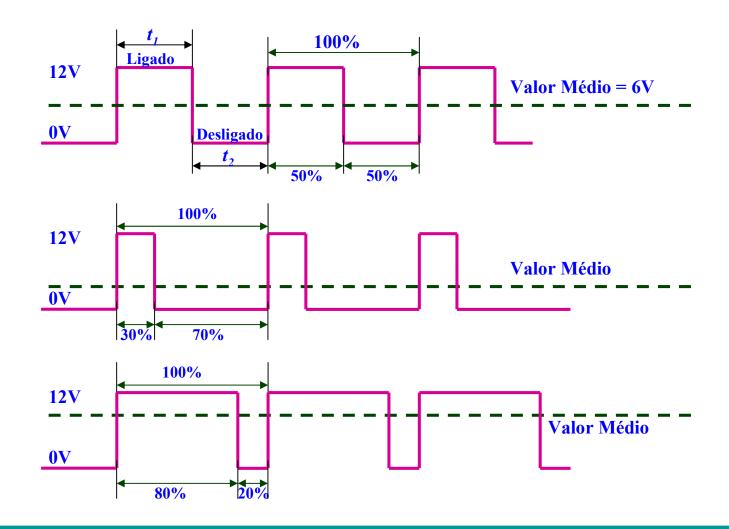
Exercício: Escrever um programa para controlar a velocidade de um motor DC através de PWM.

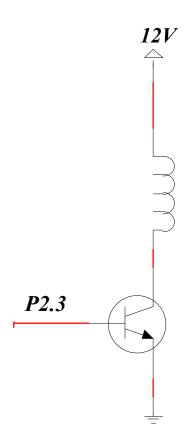
•Utilizar o *Timer1_A* para gerar o PWM

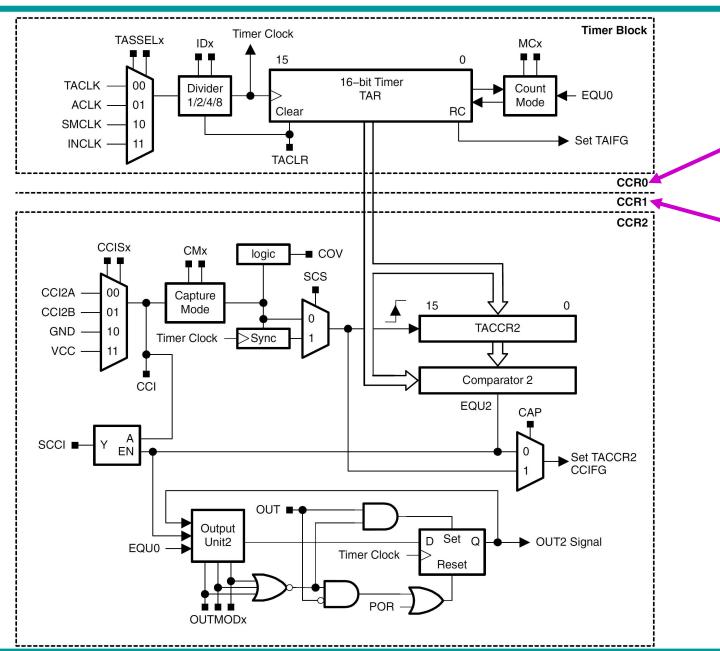
•Frequencia do DCO = 16MHz

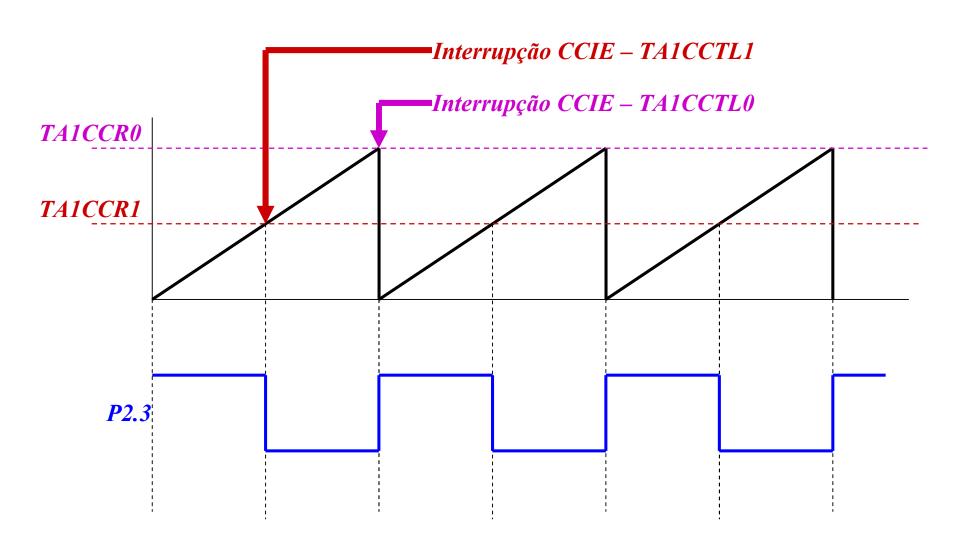
PWM: Pulse Width Modulation

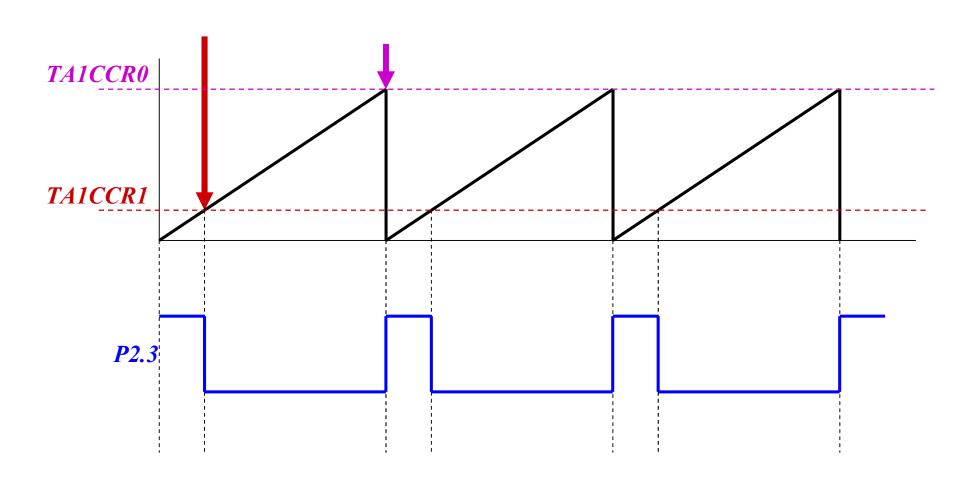


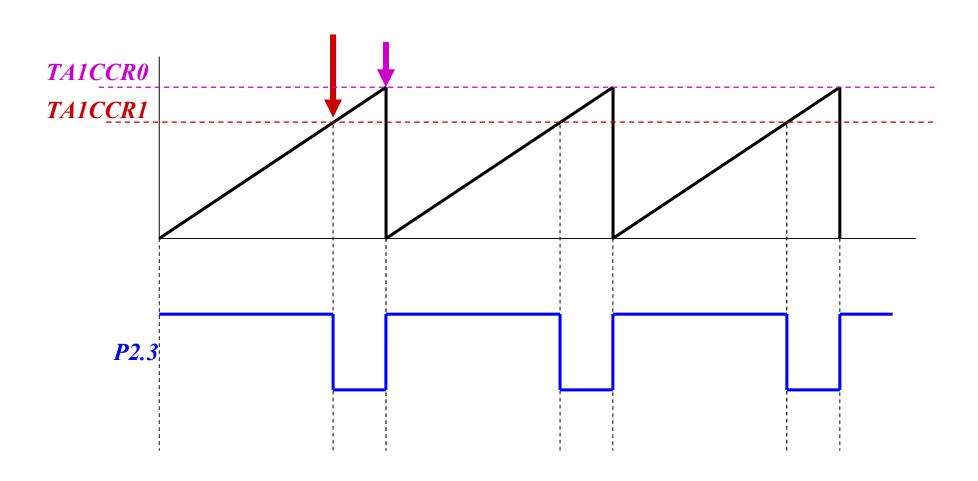
Acionamento do Motor

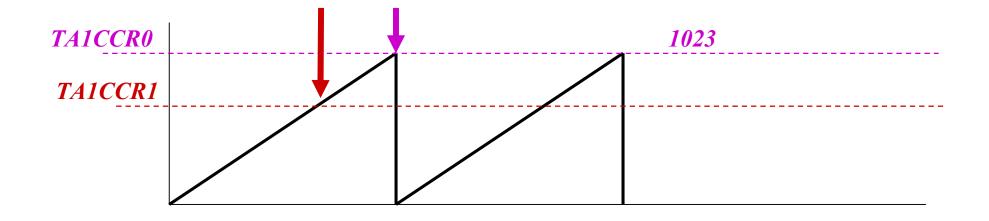








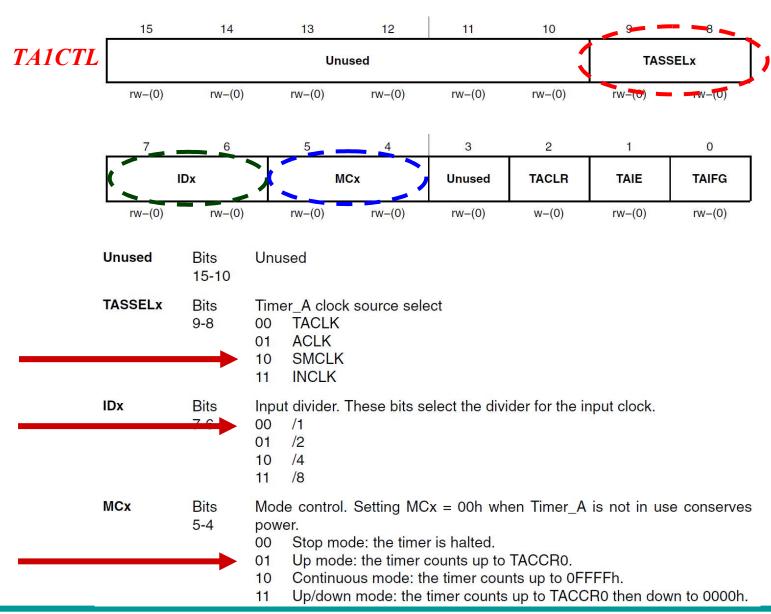




TA1CCR1: Iniciar com 250

A cada interrupção do pino P1.3 seguir a sequencia 500/1000/250/500/1000 . . .

TACTL, Timer_A Control Register



OUTMODx

rw-(0)

rw-(0)

TA1CCTL0

OUT

rw-(0)

COV

rw-(0)

CCIFG

rw-(0)

TACCTLx, Capture/Compare Control Register 15 14 13 12 11 10 9 8 CCISx CMx SCS SCCI CAP Unused rw-(0) rw-(0)rw-(0) r0 rw-(0)rw-(0) rw-(0)r 6 5 3 2 1 0

CCI

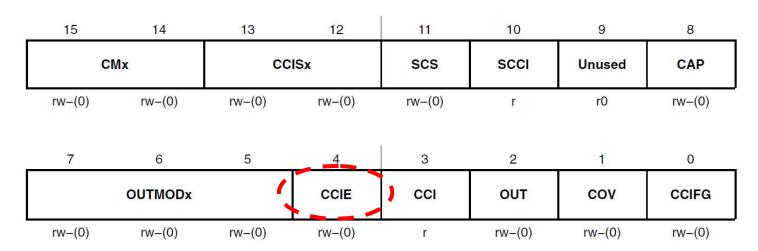
r

CCIE

rw-(0)

TA1CCTL1 TACCTLx, Capture/Compare Control Register

rw-(0)



Microcontrolador ATMEGA328:

C: Exercício 17

