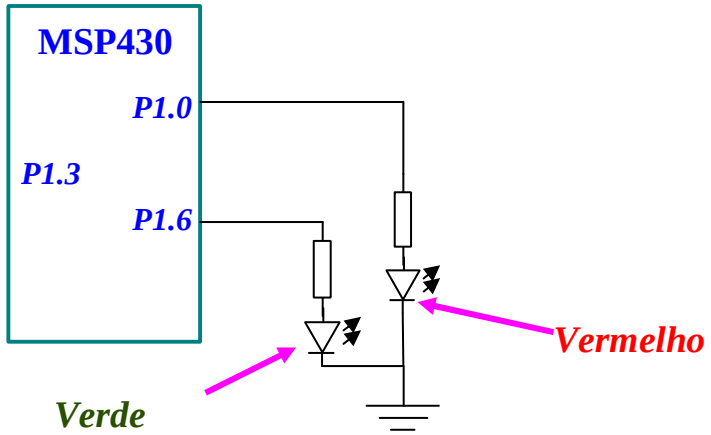
Exercício 08:

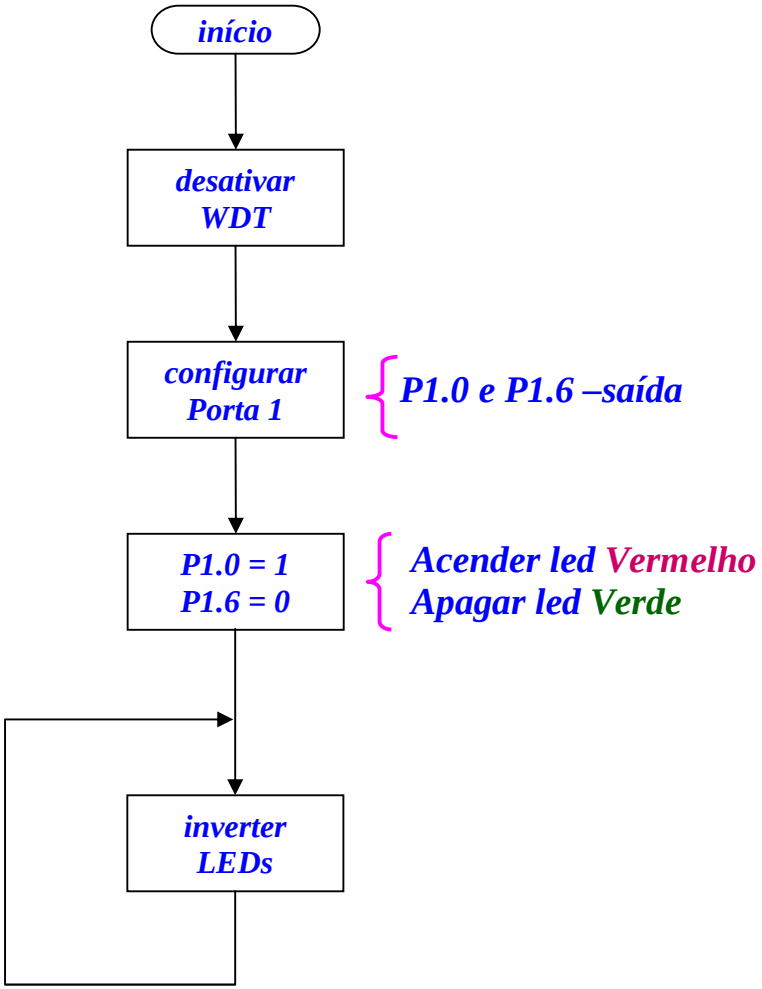
Na placa MSP-EXP430G2 os LEDs Vermelho e Verde estão conectados aos pinos *P1.0* e *P1.6* respectivamente.



Escrever um programa para alternar o estado dos LEDs Vermelho e Verde

Table 8-2. Digital I/O Registers

Port	Register	Short Form	Address	Register Type	Initial State
P1	Input	P1IN	020h	Read only	-
	Output	P1OUT	021h	Read/write	Unchanged
	Direction	P1DIR	022h	Read/write	Reset with PUC
	Interrupt Flag	P1IFG	023h	Read/write	Reset with PUC
	Interrupt Edge Select	P1IES	024h	Read/write	Unchanged
	Interrupt Enable	P1IE	025h	Read/write	Reset with PUC
	Port Select	P1SEL	026h	Read/write	Reset with PUC
	Port Select 2	P1SEL2	041h	Read/write	Reset with PUC
	Resistor Enable	P1REN	027h	Read/write	Reset with PUC


início
desativar WDT
configurar Porta 1
P1.0 e P1.6 –saída
P1.0 = 1
P1.6 = 0
Acender led Vermelho
Apagar led Verde
inverter LEDs

Temporizar 250ms entre o acionamento dos LEDs.

Criar uma sub-rotina (*delay*) para a temporização.