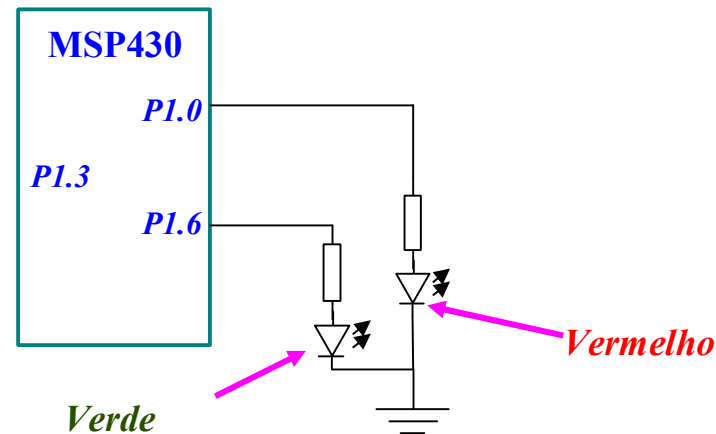


**Exercício 05:**

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



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

Temporizar 250.000 ciclos de CPU entre o acionamento dos LEDs.

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

**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 |

