

PIC Z80-like DI and EI macros to Disable and Enable interrupts (globally)

Globally disable/enable all interrupts. This is fairly blunt and if you are looking to stop only a certain interrupt this isn't for you - you'll still have to hand-crank that.

Note that we check the interrupts have actually been disabled. Internals of the PIC mean it might take a few cycles to happen so we just circle (a few times max) until GIE clears.

```
    ; disable global irq
DI  MACRO
    BCF    INTCON,GIE        ; disable global interrupt
    BTFSC  INTCON,GIE        ; check if disabled... might take a few
cycles to settle - can't assume
    GOTO   $-2               ; nope, try again
ENDM

    ; enable global irq
EI  MACRO
    BSF    INTCON,GIE        ; enable global interrupt
ENDM
```

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