;Switches ToLed's

;\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

.include "m32def.inc"

;\*\*\*\*\* Global register variables

.def temp =R20

.def temp2 =R23

reset: ;Main program entry point on reset

 ldi temp,0b11111111 ;PB0,1,2,3 outputs, PB4,5,6,7 outputs (STK500 LEDs)

 out DDRB,temp

 ldi temp,0b11111111 ;write all STK500 LEDs OFF

 out PORTB,temp

 ldi temp,0b00000000 ;PA0,1,2,3 inputs, PA4,5,6,7 inputs (STK500 LEDs)

 out DDRA,temp

 ldi temp,0b11111111 ;enable pull up resistor on each input pin of PORTA

 out PORTA,temp

forever:

 in temp2, PINA

 out PORTB,temp2

 rjmp forever