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int main (void)
                             //Example 10
{ int counter, ON_time;
                             //Variable brightness
  setup_HW_Basic;
  counter = 0;
 ON_{time} = 160;
  LED_2_on;
 while (switch_3_up);
 while (1) {
    if (Led_2_is_on) {
      LED_2_off;
      for (int m = 0; m <= (320 - ON_time); m++)</pre>
    _delay_us(6); }
    else {LED_2_on;
      for (int m = 0; m <= ON_time; m++)</pre>
    _delay_us(6);}
    counter += 1;
    if ((counter >= 100) && (switch_3_down)) {
      counter = 0;
      ON_time = ON_time * 2/3; }
    if (ON_time == 1) {
      ON_time = 160;
      while (switch_3_down); }}}
      int main (void)
                            //Example 11
{unsigned char next_LED;
                            //LEDs in rotation
setup_HW_Basic;
_delay_ms(100);
next_LED = eeprom_read_byte((uint8_t*)(0x1FA))%3;
switch(next_LED){
case 0:LED_1_on;break;
case 1:LED_2_on;break;
case 2:LEDs_on; break;}
if (switch_1_down)next_LED = 1;
if (switch 2 down)next LED = 2;
if (switch_3_down)next_LED = 3;
eeprom_write_byte((uint8_t*)(0x1FA), next_LED);
 _delay_ms(40);
SW_reset;}
```