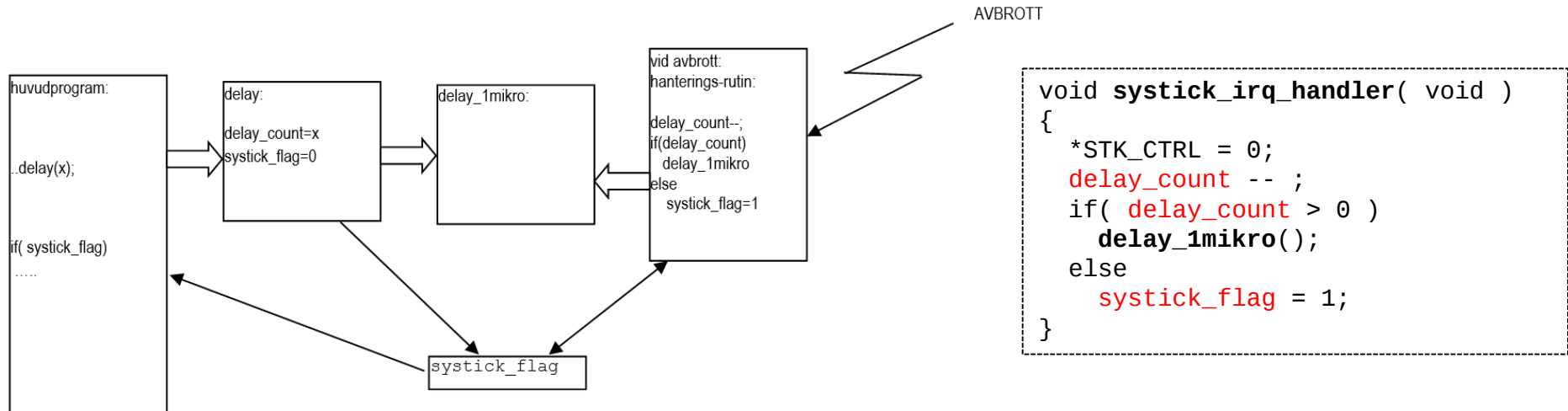


EXEMPEL: Avbrott från "SysTick" (tavlan)



```

void systick_irq_handler( void )
{
    *STK_CTRL = 0;
    delay_count -- ;
    if( delay_count > 0 )
        delay_1mikro();
    else
        systick_flag = 1;
}
    
```

```

#define DELAY_COUNT 10000
static volatile int systick_flag;
static volatile int delay_count;
void init_app( void )
{
    /* Initiera port D ... */
    /* Initiera avbrottsvektor */
}
void main(void)
{
    init_app();
    *GPIO_ODR_LOW = 0;
    delay( DELAY_COUNT );
    .....
}
    
```

```

void delay( unsigned int count )
{
    if( count == 0 )
        return;
    delay_count = count;
    systick_flag = 0;
    delay_1mikro();
}
    
```

```

void delay_1mikro( void )
{
    *STK_CTRL = 0;
    *STK_LOAD = ( 168 -1 );
    *STK_VAL = 0;
    *STK_CTRL = 7;
}
    
```