**TIMER2更新中断时间**

uint32\_t i;

void nvic\_init(void)

{

nvic\_priority\_group\_set(NVIC\_PRIGROUP\_PRE2\_SUB2);

nvic\_irq\_enable(TIMER2\_IRQn, 1U, 0U);

}

void timer2\_init(void)

{

uint32\_t usPeriod = 2000;

timer\_parameter\_struct timer\_initpara;

rcu\_periph\_clock\_enable(RCU\_TIMER2);

timer\_deinit(TIMER2);

/\* TIMER2 configuration \*/

timer\_initpara.prescaler = 3339;

timer\_initpara.alignedmode = TIMER\_COUNTER\_EDGE;

timer\_initpara.counterdirection = TIMER\_COUNTER\_UP;

timer\_initpara.period = usPeriod;

timer\_initpara.clockdivision = TIMER\_CKDIV\_DIV1;

timer\_initpara.repetitioncounter = 0;

timer\_init(TIMER2,&timer\_initpara);

timer\_auto\_reload\_shadow\_enable(TIMER2);

timer\_enable(TIMER2);

timer\_flag\_clear(TIMER2,TIMER\_FLAG\_UP);

timer\_interrupt\_enable(TIMER2,TIMER\_INT\_UP);

}

void timer2\_IRQHandler(void)

{

timer\_flag\_clear(TIMER2,TIMER\_FLAG\_UP);

i++;

if(i%2){

gpio\_bit\_set(GPIOA,GPIO\_PIN\_8);

}

else{

gpio\_bit\_reset(GPIOA,GPIO\_PIN\_8);

}

}