# 实验报告

PB21511897 李霄奕

实验1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变量名 | 数据类型 | 变量值 | 寄存器 | 内容 |
| ui\_a | unsigned int | 1 | r5 | 0x01 |
| ui\_b | unsigned int | 2 | r6 | 0x02 |
| ui\_c | unsigned int | 0xFF | r7 | 0xFF |
| 寄存器标志位 | |  | x-PSR^N | 1 |
| i\_tmp | static int | -1 | r9 | 0xFFFFFFFF |
| s16\_tmp | static float | -32768 | r0 | 0xFFFF8000 |
| f\_tmp | static float | -0.5 | s0 | 0xBF000000 |
|  |  | 0 | FAULT | 0 |
|  |  | 0x00 | BASEPRI | 0x00 |
|  |  | 0 | PRIMASK | 0 |
|  |  | 0x04 | CONTORL | 0x04 |
|  |  |  | xPSR | 0x61000000 |
|  |  |  | MSP | 0x20000674 |

实验2

位带映射公式：

#define BITBAND(addr,bitnum)

((addr&0xF0000000)+0x2000000+((addr&0xFFFFF)<<5)+(bitnum<<2))