请将实验结果附在实验三报告的最前面；

Test.c

#include <stdio.h>

int main() {

int x1 = (1<<31)-1;

int y1 = 1;

int sum\_x1\_y1 = x1 + y1;

int diff\_x1\_y1 = x1 - y1;

int diff\_y1\_x1 = y1 - x1;

unsigned int x2 = (1<<31)-1;

unsigned int y2 = 1;

unsigned int sum\_x2\_y2 = x2 + y2;

unsigned int diff\_x2\_y2 = x2 - y2;

unsigned int diff\_y2\_x2 = y2 - x2;

}

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 机器数  (十六进制) | 真值  (十进制) | OF | SF | CF | AF |
| x1 | 0x7fffffff | 2147483647 |  | 1 |  |  |
| y1 | 0x00000001 | 1 |  | 1 |  |  |
| sum\_x1\_y1 | 0x80000000 | -2147483648 | 1 | 1 |  | 1 |
| diff\_x1\_y1 | 0x7ffffffe | 2147483646 |  |  |  |  |
| diff\_y1\_x1 | 0x80000002 | -2147483646 |  | 1 | 1 | 1 |
| x2 | 0x7fffffff | 2147483647 |  | 1 | 1 | 1 |
| y2 | 0x00000001 | 1 |  | 1 | 1 | 1 |
| sum\_x2\_y2 | 0x80000000 | 2147483648 | 1 | 1 |  | 1 |
| diff\_x2\_y2 | 0x7ffffffe | 2147483646 |  |  |  |  |
| diff\_y2\_x2 | 0x80000002 | 2147483650 |  | 1 | 1 | 1 |

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