



链滴

# LeetCode 371. Sum of Two Integers

作者: [zdlgv5](#)

原文链接: <https://ld246.com/article/1480984766542>

来源网站: [链滴](#)

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原题链接: <https://leetcode.com/problems/sum-of-two-integers/>

Calculate the sum of two integers  $a$  and  $b$ , but you are not allowed to use the operator `+` and `-`.

**Example:** Given  $a = 1$  and  $b = 2$ , return 3.

**思路:** 这里用到了一个半加法的思想, 即两位单独的位相加其结果可以用异或得到, 进位以用与得到. 然后对于两个数字来说同样可以延伸这个思想.

```
public class Solution {
    public int getSum(int a, int b) {
        while(a > 0){
            int x = a ^ b;
            a = (a & b) << 1;
            b = x;
        }
        return b;
    }
}
```

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