# 43. 从 1 到 n 整数中 1 出现的次数

[NowCoder](https://www.nowcoder.com/practice/bd7f978302044eee894445e244c7eee6?tpId=13&tqId=11184&tPage=1&rp=1&ru=/ta/coding-interviews&qru=/ta/coding-interviews/question-ranking&from=cyc_github)

## 解题思路

public int NumberOf1Between1AndN\_Solution(int n) {  
 int cnt = 0;  
 for (int m = 1; m <= n; m \*= 10) {  
 int a = n / m, b = n % m;  
 cnt += (a + 8) / 10 \* m + (a % 10 == 1 ? b + 1 : 0);  
 }  
 return cnt;  
}

[Leetcode : 233. Number of Digit One](https://leetcode.com/problems/number-of-digit-one/discuss/64381/4+-lines-O(log-n)-C++JavaPython)