

计算一个数的二进制表示中有多少个1 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/470/2021_2022__E8_AE_A1_E7_AE_97_E4_B8_80_E4_c67_470692.htm 这个阶段的我好像很喜欢把玩code。拿到Code会想它是否能够工作。先使用，再Trace，然后总结归纳。这些都是从Points C中摘录的。不知道文章该怎么分类。所以暂且归为翻译这一栏目。现在看来还是觉得这些简短的Code很经典。

*****方法

```
__*****  
/**/* ** This function returns the number of 1-bits that appeared in  
** the argument value. */ int count_one_bits( unsigned value ) ...{  
int ones. /**/* ** While the value still has some 1-bits in it ... */ for(  
ones = 0. value != 0. value = value >> 1 ) /**/* ** If the low-order  
bit is a 1, count it. */ if( value % 2 != 0 ) ones = ones + 1. return ones. }
```

*****方法

```
__***** /**/* ** This  
function returns the number of 1-bits that appeared in ** the  
argument value. */ int count_one_bits( unsigned value ) ...{ int ones.  
/**/* ** While the value still has some 1-bits in it ... */ for( ones = 0.  
value != 0. value >>= 1 ) /**/* ** If the low-order bit is a 1, count it.  
*/ if( ( value & 1 ) != 0 ) ones = ones + 1. return ones. }
```

100Test 下载
频道开通，各类考试题目直接下载。详细请访问

www.100test.com