题72-10

获得Program1.10的程序执行时间，n的范围为[0,100]，并将结果制作为表格。

Program1.10代码如下：

//Program 1.10

int BinarySearch(int \*a, const int x, const int n)

{//Search the sorted array a[0],...,a[n-1] for x.

int left = 0, right = n - 1;

counter = 0;//初始化计数为0.

while (left <= right)

{//there are more elements

int middle = (left + right) / 2;

if (x < a[middle])

{

right = middle - 1;

counter++;

}

else if (x > a[middle])

{

left = middle + 1;

counter++;

}

else return middle;

}//end of while.

return -1; //not found.

}

源代码附该文件夹下（src.cpp）

运行结果为该文件夹下的excel表