No.
Date

折半查找（二分法检索）

1、目的：在有序顺序表中实现快速查找.

2、算法：

```
                                  有序顺序表        待检关键字      返值参数.
int binarySearch(SeqDictionary *pdic, keyType key, int *position)
{   low = 0; high = pdic->n-1;                    (检索区间上下界).
    while (low<=high){
        mid = (low+high)/2;
        if(pdic->element[mid].key == key){*position=mid; return 1;}  (成功)
        else if (pdic->element[mid].key>key) high=mid-1;
        else low=mid+1;
    }
    *position = low; return =0;                   (失败).
}
```

3、图示 pdic->element[] = {05, 10, 18, 25, 27, 32, 41, 51, 68, 73, 99}.

key = 78.

① [05 10 18 25 27 32 41 51 68 73 99]
low　　mid.　　high.

② 05 10 18 25 27 32 [41 51 68 73 99]
low　　mid　　high.

③ 05 10 18 25 27 32 41 51 68 [73 99]
low mid　　high

④ 05 10 18 25 27 32 41 51 68 78 [99]
low　　mid　　high

⑤ 05 10 18 25 27 32 41 51 68 78] [99
high　　low

*position = low; return 0;

空 O(1)　时 O(lgN)