

数据结构教程第三十五课实验七查找 PDF转换可能丢失图片或格式，建议阅读原文

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教学目的：练习顺序

查找、折半查找及二叉排序树的实现教学重点：教学难点：

授课内容：顺序查找折半查找 顺序查找及折半查找示例

```
#include typedef int KeyType. typedef struct{ KeyType key. int
maths. int english. }ElemType. #define EQ(a,b) ((a)==(b)) #define
LT(a,b) ((a) #define LQ(a,b) ((a) typedef struct { ElemType *elem.
int length. }SSTable. int Search_Seq(SSTable ST, KeyType key){ int i.
ST.elem[0].key=key. for(i=ST.length. !EQ(ST.elem[i].key, key). --i).
return i. } int Search_Bin(SSTable ST, KeyType key){ int
low, mid, high. low=1. high=ST.length. while(low mid=(low high)/2.
if EQ(key, ST.elem[mid].key) return mid. else if
LT(key, ST.elem[mid].key) high=mid -1. else low=mid 1.
} } getdata(SSTable * t){ FILE *fp. int i=1. fp=fopen("stu.txt", "r").
fscanf(fp, "%d", amp.(t->elem[i].key), amp.(t->elem[i].english) ). i .
} fclose(fp). } main(){ ElemType stu[50]. SSTable class. int i, j, k. long
time. class.elem=stu. 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
```