

哈希表的一个应用 PDF转换可能丢失图片或格式，建议阅读原文

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https://www.100test.com/kao_ti2020/449/2021_2022__E5_93_88_E5_B8_8C_E8_A1_A8_E7_c97_449171.htm #include #include #include #define L 50 /*定义哈希表长*/ #define M 47 /*定义p值*/ #define N 30 /*定义名单长*/ char z[22]. struct old { char *name. char *py. int k. }. struct old oldlist[L]. /*原始表*/ struct hterm { char *name. char *py. int k. int si. }. struct hterm hlist[L]. /*哈希表*/ int i, adr, sum, d. char ch1. float average. /***** */ void chash() { for (i=0. i { hlist[i].name="". hlist[i].py="". hlist[i].k=0. hlist[i].si=0. }. for (i=0. i { sum=0. adr=(oldlist[i].k)%M. d=adr. if(hlist[adr].si==0) { hlist[adr].k=oldlist[i].k. hlist[adr].name=oldlist[i].name. hlist[adr].py=oldlist[i].py. hlist[adr].si=1. } else { do { d=(d ((oldlist[i].k) 1)%M. /*伪随机*/ sum=sum 1. } while (hlist[d].k!=0). hlist[d].k=oldlist[i].k. hlist[d].name=oldlist[i].name. hlist[d].py=oldlist[i].py. hlist[d].si=sum 1. } } /***** */ void findhlist() { int s0. char r, g. clrscr(). /*清屏*/ for (r=0. r gotoxy(1,1). printf("查找 : copyright by 姚建飞 2003.6"). gotoxy(5,10). printf("请拼音后回车 ! "). gotoxy(5,12). scanf("%s", z). s0=0. for (r=0. r gotoxy(5,13). printf("%d", s0). /*for (i=0. i sum=1. adr=s0%M. d=adr. if(hlist[adr].k==s0) { gotoxy(18,18). printf(" "). gotoxy(18,18). printf("%s", hlist[d].name). gotoxy(18,19). printf("%s", hlist[d].py). gotoxy(18,20). printf("搜索
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%d 次",sum). getch(). } else {if (hlist[adr].k==0) {gotoxy (18,18).  
printf("无记录! "). getch(). } else {g=0. for (i=0.g==0.i ) {d=(d s0  
1)%M. /*伪随机*/ sum=sum 1. if (hlist[d].k==0) {gotoxy (18,18).  
printf("无记录! "). g=1.getch(). }. gotoxy(18,18).  
printf("%s",hlist[d].name). gotoxy(18,19). printf("%s",hlist[d].py).  
gotoxy(18,20). printf("搜索 %d 次",sum). getch(). if  
(hlist[d].k==s0) { g=1. gotoxy(18,21). printf("搜索 %d 次成  
功!",sum). getch(). }. }. }. }. } 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
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