function checkit(struct s a[]){

flag=0

for(i=0 to n)

if(a[i].next!=NULL)

if(a[i].next.next!=NULL)

print -1

return

print 1

}

function hash(string str)

index=0;

int len=strlen(str)

for(i=0 to len)

if(isupper(str[i])

index=str[i]-65

else

index=str[i]-98

function delete(struct s a,string str)

index=hash(str)

strust s sel

if(arr[index]!=NULL){

sel=arr[index]

while(sel.st!=str)

sel=sel.nxt

prev=sel

prev.nxt=sel.nxt

}

function insert(struct s a,string str)

struct s b.st=str

b.nxt=NULL

index=hash(str)

head=a[i]

b.nxt=head

a[i]=b

function main()

struct s a

read n

for(i=0 to n)

a[i]=NULL

do{

read ch

switch(ch)

case i

read str

insert(a,str)

case d

read str

delete(a,str)

case p

checkit(a)

}while ch!=’t’