1-1	long 11,12;	{fseek (f,3*i,0);
<pre>void main()</pre>	int i1,i2;	fscanf (f,"%3d",&k);
{int i1, i2;	f1=fopen ("aaa.txt","r");	<pre>if (feof(f)) flag=1;</pre>
fpos t *n1=0, *n2=0;	f2=fopen ("bbb.txt","r")	j=i-1;
FILE *f1,*f2,*f3;	f3=fopen ("ccc.txt", "w");	fseek (f,3*j,0);
fl=fopen("vozr.bin", "rb");	<pre>11=filelength(fileno(f1));</pre>	fscanf (f,"%3d",&kk);
f2=fopen("ybiv.bin", "rb");	12=filelength(fileno(f2));	ind=0;
f3=fopen("ccc.bin","w+b");	while (11!=0 12!=0)	while $(j>=0 \&\& k< kk)$
<pre>fread (&i1,sizeof (int),1,f1);</pre>	{if (11>0)	{fseek $(f, 3*(j+1), 0);$
<pre>fseek (f2,-sizeof(int),2);</pre>	{fseek (f1,-sizeof(int),2)	fprintf (f,"%3d",kk);
fgetpos (f2,n2);	fscanf (f1,"%d",i1);	j;
fsetpos (f2,n2);	}	if $(i \le 0)$ rewind(f);
<pre>fread (&i2,sizeof(int),1,f2);</pre>	else i1=MAXINT;	else fseek $(f,3*j,0)$;
do	if (12>0)	fscanf (f,"%3d",&kk);
{if (i1 <i2)< td=""><td>{fseek (f2,-sizeof(int),2);</td><td>ind=1;</td></i2)<>	{fseek (f2,-sizeof(int),2);	ind=1;
{while (!feof(f1) && i1 <i2)< td=""><td>fscanf (f2,"%d",i2);</td><td>}</td></i2)<>	fscanf (f2,"%d",i2);	}
{fwrite	}	if (ind)
(&i1, sizeof(int), 1, f3);	else i2=MAXINT;	{fseek $(f, 3*(j+1), 0);$
fread	if (i1>=i2)	<pre>fprintf (f,"%3d",k);</pre>
(&i1, sizeof(int), 1, f1);	{fprintf (f3,"%d",i1);	}
}	chsize (fileno(f1),11-	if (flag) break;
if (feof(f1) && i1 <i2)< td=""><td>sizeof(int));</td><td></td></i2)<>	sizeof(int));	
{fwrite	<pre>11=filelength(fileno(f1));</pre>	i++;
(&i1, sizeof(int), 1, f3);	}	}
i1=MAXINT;	else	fclose(f);
}	{fprintf (f3,"%d",i2);	}
}	chsize (fileno(f2),12-	3-1 otbor
else	sizeof(int));	<pre>void main()</pre>
{while (*n2!=0 && i1>=i2)	<pre>12=filelength(fileno(f2));</pre>	{FILE *f;
{fwrite	}	fpos t 11,12,13;
(&i2, sizeof(int), 1, f3);	}	int $\frac{1}{1}$, k, kk, kkk;
*n2-=sizeof(int);	<pre>fcloseall();</pre>	<pre>f=fopen ("aaa.txt","r+");</pre>
fsetpos (f2,n2);	}	while(1)
fread		{fgetpos (f,&l1);
(&i2, sizeof(int), 1, f2);	2-2	fscanf (f,"%3d",&k);
}	typedef struct TREE	<pre>if (feof(f)) break;</pre>
if (*n2==0 && i1>=i2)	{int num;	13=11; kkk=k;
{fwrite	TREE *1, *r;	while(1)
(&i2, sizeof(int), 1, f3);	};	{fgetpos(f,&l2);
i2=MAXINT;	<pre>void del(TREE**,int);</pre>	fscanf(f,"%3d",&kk);
}	void main()	if (kk <kk) {13="12;kkk=kk;}</td"></kk)>
}	{TREE *root=NULL;	if (feof(f)) break;
<pre>while (!feof(f1) *n2!=0);</pre>	int n;	}
if(i1!=MAXINT) fwrite	cout<<"какой номер	if (l1!=l3)
(&i1, sizeof (int), 1, f3);	удалять?"< <endl;< td=""><td>{fsetpos (f, &13);</td></endl;<>	{fsetpos (f, &13);
if(i2!=MAXINT) fwrite	cin>>n;	fprintf (f,"%3d",k);
(&i2, sizeof (int), 1, f3);	del (&root,n);	fsetpos (f, &11);
fcloseall();	}	fprintf (f,"%3d",kkk);
}	void del (TREE **cur,int n)	}
,	{TREE *lt, *rt;	11+=3;
1-2	if (!*cur) return;	fsetpos (f,&11);
typedef struct tree{	if (n<(*cur)->num) del ((*cur)-	}
int x;	>1,n);	fclose(f);
tree *1, *r;	else	}
};	if (n>(*cur)->n) del ((*cur)-	,
void out (tree *p)	>r,n);	3-2
{	else	struct node
if(p->1) out(p->1)	{lt=(*cur)->1;	<pre>{node *1,*r;</pre>
printf ("%5.d",p->x);	rt=(*cur)->r;	int i,f;
if (p->r) out (p->r);	delete *cur;	};
}	*cur=rt;	struct stack
,	while(*cur) cur=&(*cur)->1;	{node *p;
	*cur=lt;	int fl;
	}	stack*next;
	}	};
	•	void push(stack **s, node *n)
		void pop(stack **s, node **n)
		void main (void)
		{stack *s;s=NULL;
		node *p, *root; int f=0;
		p=root;
		do
	3-1-VSTAVKA	{cout< <p->i<<' ';</p->
	void main()	if(p->1 && f==0)
	{FILE *f;	{push (&s,p,1); f=0;
2-1	int i=1, j, k, kk, flag=0, ind;	p=p->1; continue;
void main()	f=fopen("aaa.txt","r+");	}
{FILE *f,*f1,*f2;	while (1)	if(p->r && f<=1)

{push (&s,p,2); f=0; p=p->r; continue;	<pre>fread (&i1,sizeof(int),1,f); j=i-1;</pre>	<pre>if (feof(f) && j<i) (f);<="" pre="" {rewind=""></i)></pre>
<pre>} f=pop(&s, &p); }while(s);</pre>	<pre>if(j>=0) {fseek (f,j*sizeof(int),0); fread (&i2,sizeof(int),1,f);</pre>	<pre>fseek (f,0,2); fprintf(f,"%d ",i); continue;</pre>
	fread (&i2, sizeof(int), 1, f); } while(j>=0 && i1 <i2) (!s)="" ("кольца="" (&i2,="" (f,="" (j+1)*sizeof(int),="" (zap="" *1,*r;="" *del="" *s)="" *s1,*s2;="" 0);="" 1,="" 4-2="" char="" f);="" fclose(f);="" fread="" fseek="" fwrite="" fwrite(&i1,="" if="" in[50];="" inf[50];="" j*sizeof(int),="" j++;="" j;="" return(s);="" sizeof(int),="" struct="" td="" typedef="" zap="" {char="" {fseek="" {puts="" {zap="" }="" };="" }<="" нет");=""><td><pre>continue; } rewind (f); fseek (f,-2,2); k=1; do</pre></td></i2)>	<pre>continue; } rewind (f); fseek (f,-2,2); k=1; do</pre>
	s1=s; puts ("inf-?"); scanf ("%s",in); do {if (strcmp(s1->inf,in)) s1=s1- >r; else {s2=s1->r; s2->l=s1->l; s2->r=s1->r; if ((s1==s)&&(s->l!=s)) s=s1- >r; free(s1); return(s); } }while (s1!=s); printf ("Такой записи нет"); return(s); }	<pre>stack*next; }; void push(stack **s,node *n); void pop(stack **s,node **n); void main(void) {stack *s;s=NULL; node *p,*root;int f=0; p=root; do {if(p->1 && !f) {push(&s,p,1);f=0; p=p->1;continue; } if(p->r && f<=1) {push(&s,p,2);f=0; p = p->r;continue; } cout<<p->i<'_'; f=pop(&s,&p); }while(s);</p-></pre>
	, - 1	<pre> } void push(stack **s,node *n,int f) {stack *t; t=new stack; t->p=n;t->fl=f; if(!*s) t->next=NULL; else t->next=*s; *s=t; } </pre>
<pre>4-1 void main() {FILE *f; int i,j,i1,i,fd; long l,number; f=fopen("ccc.bin","r+b"); rewind(f); fd=fileno(f); l=filelength(fd); number=l/sizeof(int); for(i=0;i<number;i++) (f,i*sizeof(int),0);<="" pre="" {fseek=""></number;i++)></pre>	<pre>5-1 void main() {FILE *f; int i,j,k; fpos_t L1,L2=0; f=fopen ("aaa.txt","r+"); while (1) {scanf("%d",&i); if (i==-1) break; rewind (f); do {fgetpos (f,&L1); fscanf (f,"%d ",&j); if (feof(f) j>i) break; }while (1);</pre>	<pre>int pop(stack **s, node **n) { if(!*s) return; stack *t, *p; p=*s; f=p->fl *s=(*s)->next; *n=p->p; if (p) delete p; return f; } 6-1 void main(int argc, char* argv[]) {if (argc<3) return;</pre>

```
FILE* f=fopen (argv[1],"rb+");
                                            if (s<min) min=s;
                                                                                     fwrite (i2,4,sizeof(char),f);
 if (f==NULL) return;
                                           }
                                                                                     fsetpos (f,&n2);
                                                                                     fwrite (i1,4,sizeof(char),f);
 int min=atoi (argv[2]);
                                           rewind(f);
 int max=atoi (argv[3]);
                                           int from read=0;
                                                                                     n1+=(4*sizeof(char));
int fr=0;
                                                                                     n2-=(4*sizeof(char));
                                           int to write=0;
 int tw=0:
                                           for (;;)
                                                                                     fsetpos (f,&n1);i++;
 for (;;)
                                           {TRec r;
                                                                                     if (i>=len/8) break;
                                            fseek(f,from_read,0);
 {int v=fgetc(f);
 if (v==EOF) break;
                                                                                    fclose(f);
                                            i f
 fseek (f,tw,0);
                                          (fread(&r,1,sizeof(TRec),f)==0)
                                            {rewind(f);
                                                                                   8-1'
  fputc (v,f);
 fseek (f, ++fr, 0);
                                             fseek(f, to write, 0);
                                                                                   void main()
 if (v<min || v>max) tw++;
                                             chsize(fileno(f),ftell(f));
                                                                                   {FILE *f;
                                                                                    fpos t n1=0, n2=0;
                                             break;
 chsize (fileno(f),tw);
                                                                                    int \overline{len=0}, i=0;
 fclose(f);
                                            if (r.c1+r.c2+r.c3!=min)
                                                                                    char i1, i2;
                                            {fseek(f,to write,0);
                                                                                    f=fopen("aaa.bin", "r+b")
                                                                                    fseek(f,0,2);
6-2
                                          fwrite((void*)&r,1,sizeof(r),f);
                                                                                    fgetpos(f,&n2);
struct OCH
                                             to write+=sizeof(TRec);
                                                                                    n2-=(sizeof(char));
{char *F;
                                                                                    rewind(f);
                                            from_read+=sizeof(TRec);
 OCH next;
                                                                                    len=filelength(fileno(f));
                                                                                    rewind(f);
void sort_puz(struct OCH **head)
                                           fclose(f);
                                                                                    while(1)
{struct OCH *cur, *s, *p, *pr;
                                                                                    {fgetpos(f,&n1);
 if(!*head)
                                         7-2
                                                                                     fread(&i1,1,sizeof(char),f);
 {cout<<"Stek
                                          typedef struct zap
                                                                                     fsetpos(f,&n2);
pust"<<endl;return; }</pre>
                                          {char inf[50];
                                                                                     fread(&i2,1,sizeof(char),f);
 cur=*head;
                                          zap *1,*r;
                                                                                     fsetpos(f,&n1);
 while ( cur->next.)
                                                                                     fwrite(&i2,1,sizeof(char),f);
                                         } ;
 {s=cur->next;pr=cur;
                                         zap *srt uk(zap *s)
                                                                                     fsetpos(f,&n2);
   while(s)
                                          {zap *s1;
                                                                                     fwrite(&i1,1,sizeof(char),f);
                                          int i;s1=s;
  \{if(strcmp(cur->F,s->F)<=0)\}
                                                                                     n1+=(sizeof(char));
   pr=s;s=s->next;
                                          do
                                                                                     n2-=(sizeof(char));
                                          \{if(strcmp(s1->inf,s1->r-
                                                                                     fsetpos(f,&n1);i++;
  else
                                         >inf)>0)
                                                                                     if(i>=len/2)break;
   {if (cur== *head)
                                          \{if(s==s1)
                                            s=s1->r;s1->l->r=s1->r;
   {*head=s;
                                                                                    fclose(f);
                                            s1->r=s1->r->r;s1->l->r-
    pr->next=s->next;
     s->next=cur;
                                         >r=s1;
                                                                                   8-2
                                                                                   typedef struct kolco
                                            s1->l->r->l=s1->l;
                                            s1->r->l=s1;s1->l=s1->l->r;
                                                                                   {int inf;
    else
                                            s1=s1->1;
                                                                                    kolco *nx;
    {p->next=s;
    pr->next=s->next;
                                            if(s1!=s && strcmp(s1->l-
                                                                                   };
     s->next=cur;
                                         >inf,s1->inf)>0)
                                                                                   void del (kolco**);
                                             s1=s1->1;
                                                                                   void main()
                                                                                   {kolco *h=NULL;
   cur=s;
                                           else s1=s1->r:
                                                                                    del(&h);
    s=pr->next;
                                          \}while(s1->r!=s);
                                          return s;
                                                                                   void del (kolco **h)
 p=cur;
                                                                                   {int i;
                                                                                    kolco *t, *t1;
 cur=cur->next;
                                                                                    cout<<endl<<"Enter delite
}
                                         8-1
                                                                                   element"<<endl;
                                         void main()
                                                                                    cin>>i;
                                         {FILE *f;
                                                                                    t=*h;
                                                                                    while(t->nx->inf!=i)
                                          fpos_t n1=0, n2=0;
7-1
                                          int len=0, i=0;
                                                                                    \{if(t->nx==*h)
typedef struct
                                          char *i1, *i2;
                                                                                     {cout<<endl<<"Элемент не
{char fam[15];
                                                                                   найден"; return; }
char c1,c2,c3;
                                                                                     t=t->nx;
                                         i1=(char*)calloc(4,sizeof(char*)
}TRec:
void main (int argc,char*
                                                                                    if(t->nx==*h)
                                         i2=(char*)calloc(4,sizeof(char*)
                                                                                    if(t==*h)
argv[])
                                                                                      {free(*h);
{if (argc<2) return;
FILE* f=fopen (argv[1],"rb+");
                                          f=fopen ("aaa.bin","r+b")
                                                                                       *h=NIII.T.:
                                          fseek (f,0,2);
 if (!f) return;
                                                                                       return;
 int flag=0,min;
                                          fgetpos (f,&n2);
                                          n2-=(4*sizeof(char));
for (;;)
                                                                                     else *h=t->nx->nx;
                                                                                    t.1=t->nx;
 {TRec r;
                                          rewind(f);
 i f
                                          len=filelength(fileno(f));
                                                                                    t \rightarrow nx = t \rightarrow nx \rightarrow nx;
(fread(&r,1,sizeof(r),f)==0)
                                          rewind(f);
                                                                                    free(t1);
break;
                                          while(1)
  if (flag==0)
                                          {fgetpos (f,&n1);
   {min=r.c1+r.c2+r.c3;
                                           fread (i1,4,sizeof(char),f);
                                                                                   9-1
    flag=1;continue;
                                                                                   void main()
                                           fsetpos (f, &n2);
                                           fread (i2,4,sizeof(char),f);
                                                                                   {FILE *f;
  int s=r.c1+r.c2+r.c3;
                                                                                    fpos t *n1;
                                           fsetpos (f,&n1);
```

```
int i1, i2;
                                          int),0);
 f=fopen ("aaa.bin","w+b")
                                            fwrite (&kk, sizeof(long
 rewind(f);
                                          int),1,f);
 while(1)
 {fgetpos (f,n1);
                                           fclose(f);
  fread (&i1,1,sizeof(int),f);
                                          10-1 VSTAVOK
  if (feof(f)) break;
  fread (&i2,1,sizeof(int),f);
                                          void main()
                                          {FILE *f;
 if (feof(f)) break;
                                          int i,j;
  fsetpos(f,n1);
  fwrite (&i2,1,sizeof(int),f);
                                           long i1, i2, kol;
  fwrite (&i1,1,sizeof(int),f);
                                          f=fopen ("ccc.bin", "r+b");
  *n1+=(2*sizeof(int));
                                          rewind(f);
 fsetpos (f,n1);
                                          kol=filelength(fileno(f))/sizeof
 fclose(f);
                                          (long int);
                                           for (i=1;i<kol;i++)
                                           {fseek (f,i*sizeof(long
                                          int),0);
                                           fread (&i1, sizeof(long
typedef struct figure
                                          int), 1, f);
{char fig;
                                            j=i−1;
                                            fseek (f,j*sizeof(long
 double area;
 union
                                          int),0);
 {struct
                                           fread (&i2, sizeof(long
  {double x, y;
                                          int), 1, f);
                                            while (j>=0 && i1<i2)
  }p;
  struct
                                            {fseek (f,(j+1)*sizeof(long
  {double r;
                                            fwrite (&i2, sizeof(long
 10:
 }u;
                                          int), 1, f);
                                             j--;
void main()
                                             fseek (f,j*sizeof(long
{figure f;
                                          int),0);
printf("p-прямоуг.,о-
                                             fread (&i2, sizeof(long
окружность");
                                          int), 1, f);
 scanf("%c",&f.fig);
                                            fseek (f, (j+1) *sizeof(long
 switch(f.fig)
{case 'p':
                                          int),0);
  printf("x? & y?\n");
                                            fwrite(&il, sizeof(long
                                                                                     11-1
                                          int), 1, f);
scanf("%lf%lf",&f.u.p.x,&f.u.p.y
                                                                                     void main()
                                           fclose(f);
                                                                                     {FILE *f1, *f2, *f3;
) ;
   f.area=f.u.p.x*f.u.p.y;
                                                                                     fpos t *n1,*n2;
                                          10-2
   printf("Площадь =
                                          typedef struct QUEUE
                                                                                     int \overline{i}1,i2;
                                                                                     fl=fopen ("aaa.bin", "rb");
f2=fopen ("bbb.bin", "rb");
f3=fopen ("ccc.bin", "w+b");
%lf\n",f.area);
                                          {int n;
                                           QUEUE *next;
10-1 OTBOR
                                          };
void main()
                                          void del (QUEUE**,int);
                                                                                     fseek(f1,0,2);
{FILE *f;
                                          void main()
                                                                                     fgetpos (f1,n1);
long int i,j,m,kk,tmp,kol;
                                          {QUEUE *tail=NULL;
                                                                                     fsetpos (f1,n1);
 f=fopen ("ccc.bin","r+b");
                                          int n;
                                                                                     fread (&i1, sizeof(int), 1, f1);
                                           cout<<"Какой элемент
 rewind(f);
                                                                                     fseek (f2,0,2);
                                          удалить?"<<endl;
                                                                                     fgetpos (f2,n2);
kol=filelength(fileno(f))/sizeof
                                          cin>>n;
                                                                                      fsetpos (f2,n2);
                                           del (&tail,n);
                                                                                     fread (&i2, sizeof(int), 1, f2);
(long int);
 for (i=0;i<kol-1;i++)
                                          }
                                                                                     do
                                          void del (QUEUE **tail,int n)
 { m=i;
                                                                                     {if(i1<i2)
 fseek (f,i*sizeof(long
                                          {QUEUE *cur, *tmp;
                                                                                      {while (*n1!=0 && i1<i2)
int),0);
                                           cur=*tail;
                                                                                        {fwrite
 fread (&kk,sizeof(long
                                           if ((*tail)->n==n)
                                                                                     (&i1, sizeof(int), 1, f3);
int),1,f);
                                          {delete *tail;
                                                                                         *n1-=sizeof(int);
  for (j=i+1;j<kol;j++)
                                            *tail=cur->next;
                                                                                        fsetpos (f2, n1);
  {fseek (f,j*sizeof(long
                                                                                         fread
                                                                                     (&i1, sizeof(int), 1, f1);
int.).()):
                                           else
   fread (&tmp,sizeof(long
                                           while (cur->next)
int), 1, f);
                                          {if (cur->next->n==n)
                                                                                       if(n1==0 && i1<i2)
                                           {tmp=cur->next;
  if (tmp<kk) {m=j;kk=tmp;}</pre>
                                                                                        {fwrite
                                            cur->next=cur->next->next;
                                                                                     (&i1, sizeof(int), 1, f3);
  fseek (f,i*sizeof(long
                                             delete tmp;
                                                                                         i1=MAXINT;
int),0);
  fread (&tmp,sizeof(long
                                            cur=cur->next;
                                                                                       else
int),1,f);
                                                                                      {while (*n2!=0 \&\& i1>=i2)
 fseek (f,m*sizeof(long
                                          }
int),0);
                                                                                        {fwrite
  fwrite (&tmp, sizeof(long
                                                                                     (&i2, sizeof(int), 1, f3);
int),1,f);
                                                                                         *n2-=1; fsetpos(f2,n2);
```

fread

fseek (f,i*sizeof(long

```
(&i2, sizeof(int), 1, f2);
                                         struct tree *1, *r;
                                                                                   sort(&ring);
                                       };
   if(n2==0 && i1>=i2)
                                                                                  void sort(r **ring)
                                        void add (tree **p)
                                                                                 {r *j,*kk,*g,*t;
   {fwrite
                                        {int a;
                                        puts ("Vvedite chislo");
                                                                                   t=q=*ring;
(&i1, sizeof(int), 1, f3);
   i1=MAXINT;
                                          scanf ("%d",&a);
                                                                                  while(g->nx!=*ring) g=g->nx;
                                         while (*p)
                                                                                  while(1)
                                         \{if ((*p)->x==a)
                                                                                  {j=g;kk=t->nx;
 }
 }while(!feof(f1)||n2!=0);
                                          {puts ("takoy element yze
                                                                                   while (strcmp(j->nx-
                                                                                 >st.str,kk->st.str)<0)
 if(i1!=MAXINT) fwrite
                                        est"); return;}
(&i1, sizeof(int), 1, f3);
                                         if ((*p)->x>a) p=&(*p)->1;
                                                                                    j=j->nx;
                                                                                    if(kk!=q)
if(i2!=MAXINT) fwrite
                                          else p=&(*p)->r;
(&i2, sizeof(int), 1, f3);
                                                                                    if(i!=t)
                                         if
                                                                                     \{t->nx=kk->nx;kk->nx=j->nx;
 fcloseall();
                                         (!(*p=(tree*)malloc(sizeof(**p))
                                                                                     j->nx=kk;
                                                                                      if (kk->nx==*ring) *ring=kk;
                                        ))
                                          return;
                                         (*p) -> x = a;
                                                                                     else t=t->nx;
                                          (*p)->l=(*p)->r=NULL;
                                                                                    else
                                                                                    {if(kk==j) *ring=kk;
                                                                                     else
                                                                                     \{t.->nx=kk->nx:
                                                                                      kk->nx=j->nx;
                                                                                      j->nx=kk;
                                                                                     break;
                                                                                    }
                                                                                   }
                                                                                  14-1
                                                                                  void main (void)
                                                                                  {FILE *f;
                                                                                   int i, kol, ch1, ch2;
                                        13-1
                                                                                  long l;
                                                                                  f=fopen ("aaa.txt","r+b");
                                         void main()
                                         {FILE *f1, *f2;
                                                                                  l=filelength(fileno(f));
                                         int i1, i2, i, j, kk;
12-1
                                                                                  kol=1/sizeof(int);
                                                                                 printf ("введите число");
void main(void)
                                          fpos t *n1=0, *n2=0, *11=0;
{FILE *f,*f1;
                                         f1=fopen ("text.txt","w+")
                                                                                  scanf ("%d", &ch1);
                                         f2=fopen ("binar.bin", "w+b")
                                                                                  for (i=0; i < (kol+1); i++)
 fpos t pos;
 int chisl, chisl1;
                                          do
                                                                                  {fread (&ch2,1,sizeof(int),f);
 f=fopen ("aaa.txt", "r+");
                                         {fsetpos (f2,n2);
                                                                                    if (ch1<ch2) break;
 fl=fopen ("bbb.bin", "r+b");
                                          fread (&i2, sizeof(int), 1, f2);
                                                                                   if (i==kol+1)
 rewind(all);
                                          do
                                         {fsetpos (f1,n1);
                                                                                  {fseek (f,0,2);
 while(1)
                                          fscanf (f1, "%d", &i1);
if (i1==i2)
 {fscanf (f, "%d", &chisl);
                                                                                   fwrite (&ch1,1,sizeof(int),f);
 :0=cog
                                          {do
 while(1)
                                                                                  else
                                                                                  while (i<(kol+1))
 {fsetpos (f1, &pos);
                                            {fgetpos (f2,11);
                                             11+=sizeof(int);
                                                                                  {fseek (f,i*sizeof(int),0);
  fread
                                             fsetpos (f2,11);
                                                                                  fread (&ch2,1,sizeof(int),f);
fseek (f,i*sizeof(int),0);
(&chisl1,1,sizeof(int),f1);
  if (feof(f1)) break;
                                             kk=fread
   if (chisl==chisl1)
                                         (&j, sizeof(int), 1, f2);
                                                                                   fwrite (&ch1,1,sizeof(int),f);
                                                                                   ch1=ch2;i++;
   {while(1)
                                             11-=sizeof(int);
                                             fsetpos (f2,11);
   {fread
(&chisl1,1,sizeof(int),f1);
                                                                                  fprintf (f, "\x0"); fclose(f);
                                             kk=fwrit.e
    if (feof(f1)) break;
                                        (&j,sizeof(int),1,f2);
     fseek (f1, (long) (-
                                             fseek (f2,sizeof(int),1);
                                                                                 14-2
2) *sizeof(int),1);
                                             }while (!feof(f2));
                                                                                  typedef struct tree
                                                                                  {char mas[15];
    fwrite
                                            continue;
                                                                                   tree *1, *r;
(&chisl1,1,sizeof(int),f1);
                                           }
    fseek (f1,sizeof(int),1);
                                           n1+=1;
                                                                                  };
                                          }while (!feof(f1));
                                                                                 void add (char mas[15], tree **);
                                          n2+=sizeof(int);
                                                                                  void main()
   chsize
(fileno(f1), filelength(fileno(f1))
                                                                                  {tree *h=NULL;
                                         }while (!feof(f1));
                                                                                  FILE *f;
))-sizeof(int));
                                         fcloseall();
                                                                                  char mas[15],m;
  else pos+=sizeof(int);
                                        13-2
                                                                                  f=fopen ("aaa.txt", "r");
                                                                                  fscanf (f,"%s",mas);
                                        struct man
 if(feof(f)) break;
                                         {char str[10];
                                                                                  do
                                                                                  {add (mas, &h);
                                                                                    fscanf (f, "%s", mas);
  fcloseall();
                                        struct r
                                                                                   }while (!feof(f));
                                        {man st;
                                         r *nx;
                                                                                  void add (char mas[15],tree **h)
typedef struct tree
                                        void main()
                                                                                 {int c;
```

if (!*h)

{r *ring=NUTJ:

{int x:

```
{if (!(*h=(tree
*)calloc(1,sizeof(**h)))
{puts ("Mano памяти");
return;}
strcpy ((*h)->mas,mas);
(*h)->l=(*h)->r=NULL;
}
else
{c=((*h)->mas)-mas;
if (c<0) add (mas,&((*h)->l));
else
if (c>=0) add (mas,&((*h)->r));
}
```

```
p=p->r;
}
else
{if (!(t=(struct stack
*)malloc(sizeof(*st))))
    return;
    t->p;t->pr=st;st=t;p=p->r;
}
}
```

15-1
void main()
{FILE *f;
fpos_t *n1,*n2;
int $\overline{1}$, i2, i3, i;
<pre>f=fopen ("aaa.txt","r+");</pre>
rewind (f);
*n1=0; *n2=7*sizeof(int);
for $(i=0; i<4; i++)$
{fsetpos (f,n1);
<pre>fread (&i1, sizeof(int), 1, f);</pre>
fsetpos (f,n2);
<pre>fread (&i2,sizeof(int),1,f);</pre>
i3=i1;i1=i2;i2=i3;
fsetpos (f,n1);
<pre>fwrite (&i1, sizeof(int), 1, f);</pre>
fsetpos (f,n2);
<pre>fwrite (&i2,sizeof(int),1,f);</pre>
*n1+=sizeof(int);
*n2-=sizeof(int);
}
fclose (f);
}
15-2
typedef struct tree
{char a[10];long int b;
tree *1,*r;
};
void main ()
{scanf ("%s",name);
scanf ("%ld",&year);
}
void add (tree **p,char
name, long double year)
<pre>{char name[10];long int year;</pre>
if(!*p)
{if (!(*p=(tree
*)calloc(1,sizeof(**p))))
{puts ("Мало памяти");return;}
strcpy ((*p)->a,name);
(*p) ->b=year;
(*p) ->1=(*p) ->r=NULL;
(p) >1 (p) >1 NOLL,
else
if (strcmp ((*p)->a,name)>0)
add (&(*p)->1, name, year);
else add (&(*p)->r,name,year);
erse add (%("p)->r, name, year),

```
typedef struct del 2
{unsigned int del:1;
int:15;
typedef struct del 4
{unsigned int del:\overline{2};
int:14;
typedef union del
{unsigned int num;
del_2 d2;
del 4 d4;
};
void main()
{del d;
while(1)
{scanf ("%u",&d.num);
 if (!d.num) break;
printf ("%u\n",d.num);
 printf ("na 2:
u; \n", d.d2.del);
 printf ("na 4:
%u;\n",d.d4.del);
getch();
16-2
typedef struct tree
{int i;
tree *1,*r;
};
void out (tree *p,char s[]);
void main (int argc,char
*argv[])
{tree *p=NULL;
char s[MAXPATH];
strcpy (s,argv[1]);
out(p,s);
void out (tree *p, char s[])
{FILE *f;
f=fopen (s,"r+");
typedef struct stack
 {tree *p;stack *pr;
 }*st=NULL,*t;
if(!p)
 {puts("Derevo pustoe");return;}
 while (p||st)
(if(!p)
 {p=st->p;
   t=st;st=t->pr;
  free(t);
   fprintf (f,"\n%d",p->i);
```

```
17-1
void main()
{FILE *f1, *f2, *f3;
int i=1, i1, i2, j=0;
long l,n;
fl=fopen ("vozr.bin", "rb");
f2=fopen ("ybiv.bin", "rb");
f3=fopen ("new.bin", "wb");
l=filelength(fileno(f2));
n=l/sizeof(int);
fseek (f2,0,2);
 while (!feof(f1))
{fread (&i1, sizeof(int), 1, f1);
 while (i \le n)
 \{if (j==0)\}
   {fseek (f2,-sizeof(int)*i,2);
    fread
(&i2, sizeof(int), 1, f2);
   if(i1 >= i2)
   {fwrite
(&i2, sizeof(int), 1, f3);
    if(i==n) i2=MAXINT;
    i++; j=0;
   if(i1<i2 && i<=n)
   {fwrite
(&i1, sizeof(int), 1, f3);
    fread
(&i1, sizeof(int), 1, f1);
    j++;
    if(i>=n) i1=MAXINT;
   }
  }
if (i1==MAXINT) fwrite
(&i1, sizeof(int), 1, f3);
if (i2==MAXINT) fwrite
(&i2, sizeof(int), 1, f3);
fcloseall();
17-2
typedef struct RING
{char data[10];
RING *prev, *next;
void add (RING **r)
(if (r==NULL)
 {*r=new RING;
 (*r)->prev=(*r)->next=*r;
scanf ("%s",(*r)->data);
 if ((*r)->data[0]) add(r);
else
{RING *t;
 t=*r;
 *r=new RING;
```

(*r)->next=t;	<pre>char name[20];</pre>	
(*r)->prev=t->prev;	int year;	
t->prev=(*r);	}*lbr;	
(*r)->prev->next=(*r);	<pre>void add(int*);</pre>	
scanf ("%s", (*r)->data);	void sort_name(int);	
<pre>if ((*r)->data[0]) add(r); }</pre>	<pre>void sort_year(int); void main()</pre>	
}	{int n=0;	
ı	while (1)	
	{cout<<"1 - add data;"< <endl;< td=""><td></td></endl;<>	
	cout<<"2 - sort by	
	name;"< <endl;< td=""><td>20-1</td></endl;<>	20-1
	cout<<"3 - sort by	<pre>void main()</pre>
	<pre>year;"<<endl;< pre=""></endl;<></pre>	{FILE *f;
	cout<<"0 - exit."< <endl;< td=""><td>char a,str[1],s[79],ga[1];</td></endl;<>	char a,str[1],s[79],ga[1];
	switch (getch())	int i=0, k=0, len=0, len1=0, z;
	{case '1': add(&n); break;	f=fopen ("aaa.txt","r+b");
10 1	<pre>case '2': sort_name(n);</pre>	fgets
18-1 struct byte	break;	<pre>(s,filelength(fileno(f)),f); fputs (s,stdout);</pre>
{unsigned int a:1;	<pre>case '3': sort_year(n); break;</pre>	while(1)
unsigned int b:1;	case '0': return;	if (s[i++]!='\0') len++;
unsigned int c:1;	}	else break;
unsigned int d:1;	}	for (i=0;i <len;i++)< td=""></len;i++)<>
unsigned int e:1;	}	{fseek (f,i,0);
unsigned int f:1;	<pre>void add(int *n)</pre>	fgets (ga,2,f);
unsigned int g:1;	{do	for $(k=i+1; k \le len; k++)$
unsigned int h:1;	{ (*n) ++;	$\{fseek (f,k,0);$
};		fgets (str,2,f);
union symbol	if(!(lbr=(LIB*)realloc(lbr,sizeo	if (strcmp(ga,str)==0)
{char letter;	f(LIB)*(*n)))) return;	{len;
byte bitflds;	<pre>cout<<"author name:"<<endl; cin="">>(lbr+*n)->author;</endl;></pre>	for (z=k;z<=len;z++) {fseek (f,z+1,0);
<pre>}; void main()</pre>	cout<<"name of book:"< <endl;< td=""><td>fscanf (f, "%c", &a);</td></endl;<>	fscanf (f, "%c", &a);
{symbol ch;	cin>>(lbr+*n)->name;	fseek (f,z+1,0);
ch.letter=getchar();	cout<<"year:"< <endl;< td=""><td>fprintf (f, "%c", ' ');</td></endl;<>	fprintf (f, "%c", ' ');
cout<<"bitovoe predstavlenie:	cin>>(lbr+*n)->year;	fseek (f,z,0);
";	-	fwrite
cout< <ch.bitflds.h;< td=""><td>cout<<"Продолжить?(y/n)"<<endl;< td=""><td>(&a,sizeof(char),1,f);</td></endl;<></td></ch.bitflds.h;<>	cout<<"Продолжить?(y/n)"< <endl;< td=""><td>(&a,sizeof(char),1,f);</td></endl;<>	(&a,sizeof(char),1,f);
cout< <ch.bitflds.g;< td=""><td><pre>}while(getch() == 'y');</pre></td><td>}</td></ch.bitflds.g;<>	<pre>}while(getch() == 'y');</pre>	}
cout< <ch.bitflds.f;< td=""><td>}</td><td>}</td></ch.bitflds.f;<>	}	}
cout< <ch.bitflds.e;< td=""><td><pre>void sort_name(int n)</pre></td><td>}</td></ch.bitflds.e;<>	<pre>void sort_name(int n)</pre>	}
cout< <ch.bitflds.d;< td=""><td>{int i,j;</td><td>rewind(f);</td></ch.bitflds.d;<>	{int i,j;	rewind(f);
<pre>cout<<ch.bitflds.c; cout<<ch.bitflds.b;<="" pre=""></ch.bitflds.c;></pre>	<pre>char buf[20]; for (i=0;i<n;i++)< pre=""></n;i++)<></pre>	<pre>fgets (s,len,f);fputs (s,stdout);</pre>
cout< <ch.bitflds.a<<endl;< td=""><td>for (j=0;j<n-i-1;j++)< td=""><td><pre>getch();</pre></td></n-i-1;j++)<></td></ch.bitflds.a<<endl;<>	for (j=0;j <n-i-1;j++)< td=""><td><pre>getch();</pre></td></n-i-1;j++)<>	<pre>getch();</pre>
<pre>getch();</pre>	if (strcmp ((lbr+j)-	}
}	>name, (lbr+j+1) ->name)>0)	fcloseall();
19-1	<pre>{strcpy (buf, (lbr+j) ->name);</pre>	}
typedef struct MAN	strcpy ((lbr+j)-	20-2
{char *F;	>name, (lbr+j+1)->name);	int *f(int *len)
} ;	<pre>strcpy ((lbr+j+1)->name,buf);</pre>	{int k,i,f;
typedef struct Z	}	int *mas;
{MAN M;	}	*len=2;
Z *NX;	void sort_year(int n)	do
<pre>}; void DEL (Z **H)</pre>	<pre>{int i,j,buf; for(i=0;i<n;i++)< pre=""></n;i++)<></pre>	{scanf ("%d",&k); if(k)
{Z *F,*PR;	for(j=0;j <n-i-1;j++)< td=""><td>{if(mas)</td></n-i-1;j++)<>	{if(mas)
if((*H)==NULL)	if ((lbr+j)->year>(lbr+j+1)-	{i=1;
{puts("Очередь пустая");	>year)	while (i<*len)
return;	{buf=(lbr+j)->year;	$\{if (mas[i]>k)$
}	$(lbr+j) \rightarrow year = (lbr+j+1) -$	{i=2*i+1;f=1;}
if((*H)->NX==NULL)	>year;	if $(mas[i] < k) \{i=2*i; f=2; \}$
{free((*H));	(lbr+j+1)->year=buf;	if $(mas[i]==k)$ f=3;
(*H)=NULL;	}	}
return;	}	if (f==1 f==2)
PR=(*H);		{*len=i+1;
F=(*H)->NX;		mas=(int*)realloc(mas,*len*size
while (F->NX!=NULL)		f(int));
{ PR=PR->NX; F=F->NX;		mas[i]=k;
}		}
PR->NX=NULL;		}
<pre>free(F); return;</pre>		else
}		
19-2		<pre>{mas=(int*)malloc(*len*sizeof(i</pre>
struct LIB		t));
{char author[20];		mas[1]=2;

}	>b+(st+j)->o->c+(st+j)->o-	22.1
}	>d>sum)	23-1
<pre>}while(k);</pre>	{sum=(st+j)->o->a+(st+j)->o-	void main ()
return mas;	>b+(st+j)->o->c+(st+j)->o->d;	{FILE *f;
}	free (name);	int i, kol;
	strcpy (name,(st+j)->n-	char ch1,ch2;
	<pre>>name);</pre>	long 1;
	grup=(st+j)->n->grup;	f=fopen ("aaa.txt","r+");
21-1	}	<pre>l=filelength(fileno(f));</pre>
<pre>void main()</pre>	}	kol=1/sizeof(char);
{FILE *f1, *f2, *f3;	}	printf ("Введите символ");
	22-1	scanf ("%c", &ch1);
int i=1,i1,i2,j=0,j1=0,k=1;		
long 1,11,n,n1;	void del()	for (i=0;i<(kol+1);i++)
f1=fopen ("aaa.bin","rb");	{FILE *f;	{fscanf (f,"%c",&ch2);
f2=fopen ("bbb.bin","rb");	int k=1,j,i;	if (ch1 <ch2) break;<="" td=""></ch2)>
f3=fopen ("ccc.bin","wb");	long pos;	}
<pre>l=filelength(fileno(f2));</pre>	f=fopen ("aaa,bin","rb+");	if (i==kol+1)
<pre>n=1/sizeof(int);</pre>	scanf ("%d",&j);	{fseek (f,0,2);
<pre>11=filelength(fileno(f1));</pre>	do	<pre>fprintf (f,"%c",ch1);</pre>
n1=11/sizeof(int);	{fgetpos (f,&pos);	}
		else
fseek (f1,0,2);fseek (f2,0,2);	fread (&i,sizeof(int),1,f);	
12=0;	if (feof(f)) break;	while (i<(kol+1))
while(k <n1)< td=""><td>if (i==j)</td><td><pre>{fseek (f,i*sizeof(char),0);</pre></td></n1)<>	if (i==j)	<pre>{fseek (f,i*sizeof(char),0);</pre>
$\{if(j1==0)\}$	$\{k=0;$	fscanf (f,"%c",&ch2);
{fseek $(f1,-2*k,2)$;	do	<pre>fseek (f,i*sizeof(char),0);</pre>
<pre>fread (&i1, sizeof(int), 1, f1);</pre>	{fread (&i,sizeof(int),1,f);	fprintf (f,"%c",ch1);
}	if (feof(f))	ch1=ch2;i++;
while(i<=n)	{chsize	}
{if(j==0)	(fileno(f),pos);break;}	<pre>fprintf (f,"\x0");</pre>
	=	
{fseek (f2,-2*i,2);	fseek (f,-2*sizeof(int),1);	}
fread	<pre>fwrite (&i,sizeof(int),1,f);</pre>	23-2
(&i2,sizeof(int),1,f2);	fgetpos (f,&pos);	typedef struct r
}	<pre>fseek (f,sizeof(int),1);</pre>	{int i;
if(i1<=i2)	<pre>}while(1);</pre>	r *nx;
{fwrite	}	};
(&i2, sizeof(int), 1, f3);	<pre>}while(k);</pre>	<pre>void sort(r**);</pre>
if (i==n) i2=MAXINT;	fclose(f);	void main()
i++;j=0;j1=0;	}	{r *ring, *r1; int k;
}		*ring=NULL;
if(i1>i2 && i<=n)	22-2	sort (˚);
{fwrite	struct QUEUE	return;
(&i1, sizeof(int), 1, f3);	{int n;	}
k++;	QUEUE *nx, *pr;	<pre>void sort(r **ring)</pre>
fseek (f1,-2*k,2);	};	{r *r1, *r2, *r3, *r4, *r5;
fread	void sort (QUEUE*);	int i;
(&i1, sizeof(int), 1, f1);	void main()	r1=(*ring);r2=r1->nx;
		-
j++;j1++;	{QUEUE *t=NULL, *h=NULL;	while (r2->nx!=r1) r2=r2->nx;
if(k>n1) i1=MAXINT;	sort(t);	r5=r2;r2=r1->nx;
}	}	while (r2!=r1)
}	void sort(QUEUE *t)	{r3=r1;
}	{QUEUE *s;	while $(r3->nx!=r2)$ $r3=r3->nx$;
if (i1==MAXINT) fwrite	int buf;	i=r2->i;
(&i1, sizeof(int), 1, f3);	while(t)	while (i <r3->i && r3!=r5)</r3->
if (i2==MAXINT) fwrite	{s=t->nx;	{r3->nx->i=r3->i;
(&i2, sizeof(int), 1, f3);	while(s)	r4=r3;r3=r5;
	{if(t->n>s->n)	while (r3->nx!=r4) r3=r3->nx;
fcloseall();	,	
}	{buf=t->n;	}
21-2	t->n=s->n;	r3->nx->i=i;r2=r2->nx;
struct name	s->n=buf;	}
{char name[10];	}	*ring=r5;
long grup;	s=s->nx;	}
<pre>};</pre>	}	
struct bal	t=t->nx;	
<pre>{int a;</pre>	1	
	,	
int b;	}	
int c;		
int d;		
} ;		
struct info		
{name *n;		
bal *o;		
};		
void find (int n,info *st)		
{int sum=0;		
char name[10];		
long grup=0;		
for (int $j=0; j< n; j++$)		
$\{if ((st+j)->o->a+(st+j)->o-$		