Задание1 (5/5 баллов)

```pascal
program Project1;
var
  h0,m0,h1,m1,dm,ds,res1,res2:longint;
begin
  read(h0,m0,h1,m1,dm,ds);
  res1:=(h1-h0)*3600+(m1-m0)*60;
  res2:=dm*60+ds;
  if res1 mod res2 <> 0 then
    writeln(res1 div res2 + 2)
  else
    writeln(res1 div res2 + 1);
end.
```

Задание2 (6/10 баллов)

```pascal
program Project2;
function Nechetnaya(ch:longint):boolean;
var
  sum,cif:longint;
begin
```

```
    sum:=0;
    while ch <> 0 do begin
      cif := ch mod 10;
      sum:=sum+cif;
      ch:=ch div 10;
    end;
    Nechetnaya:=sum mod 2 = 1;
end;
var
  a,b,i,kol:longint;
begin
  kol:=0;
  readln(a,b);
  for i:=a to b do
    if Nechetnaya(i) then
      inc(kol);
  write(kol);
end.
```

Задание3 (0/15 баллов)

```
program Project3;
function PodxoditLi(ch,x:longint):boolean;
var
  kol:longint;
begin
  ch:=ABS(ch);
```

```
    kol:=0;
    while ch <> 0 do
      begin
        ch:=ch div 16;
        inc(kol);
      end;
    PodxoditLi:=kol=x;
end;
var
  m,n,x,i,kol:longint;
begin
  kol:=0;
  readln(m,n,x);
  for i:=m to n do
    if PodxoditLi(i,x) then
      inc(kol);
  write(kol);
end.
```

Задание4 (15/15 баллов)

```
program Project4;
function ZapisDvoich(ch:longint):ansistring;
var
  i:longint;
  s,sim:ansistring;
begin
```

```pascal
    s:='';
    while ch <> 0 do begin
      str(ch mod 2,sim);
      ch:=ch div 2;
      s:=sim+s;
    end;
    while length(s)<8 do
      s:='0'+s;
    ZapisDvoich:=s;
end;
function Preobr(s:ansistring):ansistring;
var
  i,kol:longint;
begin
  kol:=0;
  delete(s,8,1);
  for i:=1 to 7 do
    if copy(s,i,1)='1' then
      inc(kol);
  if kol mod 2 <> 0 then
    s:='1'+s
  else
    s:='0'+s;
  Preobr:=s;
end;
function Power(ch,st:longint):longint;
var
  i,chn:longint;
begin
  chn:=ch;
```

```pascal
    ch:=1;
    for i:=1 to st do
      ch:=ch*chn;
    if st<>0 then
      power:=ch
    else
      power:=1;
end;


function Perevod(s:ansistring):longint;
var
  i,sum,ch,code:longint;
begin
  sum:=0;
  for i:=1 to 8 do begin
    Val(copy(s,i,1),ch,code);
    sum:=sum+ch*power(2,8-i);
  end;
  Perevod:=sum;
end;


var
  a,b,i,j,min,ch,kol:longint;
  chs:ansistring;
begin
  min:=-1;
  read(a,b);
  for i:=a to b do begin
    kol:=0;
    if i>=0 then begin
```

```
      chs:=ZapisDvoich(i);

      for j:=1 to 8 do

        if copy(chs,j,1)='1' then

          inc(kol);

      if kol mod 2 = 0 then begin

        chs:=Preobr(chs);

        ch:=Perevod(chs);

      end

      else

        ch:=i;

      if(min=-1)or(ch<min)then

        min:=ch;

    end;

  end;

  writeln(min);

end.
```

Задание5 (5/25 баллов)

```
program Project5;

function ZapisTroich(ch,n:longint):ansistring;

var

  i:longint;

  s,sim:ansistring;

begin

  s:='';

  while ch <> 0 do begin
```

```pascal
      str(ch mod 3,sim);
      ch:=ch div 3;
      s:=sim+s;
    end;
  while length(s)<n do
    s:='0'+s;
  ZapisTroich:=s;
end;
function Podxodit(s:ansistring;n:longint):boolean;//0 -
PIС‹ РїСѓСЃРёС‚СЊ; 1 - PIP·СЏС‚СЊ; 2 - РґРµСЂР¶Р°С‚СЊ
var
  mojno:boolean;
  i,kol:longint;
begin
  if copy(s,1,1)<>'0' then begin
    mojno:=true;
    i:=1;
    while(i<n)and(mojno)do begin
      if(copy(s,i,1)='0')or(copy(s,i,1)='1')then
        mojno:=copy(s,i,1)<>copy(s,i+1,1);
      inc(i);
    end;
    Podxodit:=mojno;
  end
  else
    Podxodit:=false;
end;
function Power(ch,st:longint):longint;
var
  i,chn:longint;
begin
```

```pascal
    chn:=ch;
    ch:=1;
    for i:=1 to st do
      ch:=ch*chn;
    if st<>0 then
      power:=ch
    else
      power:=1;
end;

var
  n,i,j,kol,sum:longint;
  ch:ansistring;
begin
  sum:=3;
  kol:=0;
  read(n);
  if n>0 then begin
    for i:=1 to n-1 do
      sum:=sum+2*power(3,i);
    for i:=1 to sum do begin
      ch:=ZapisTroich(i-1,n);
      if Podxodit(ch,n) then
        inc(kol);
    end;
  end;
  write(kol);
end.
```

Задание6 (30/30 баллов)

```pascal
program Project6;
function Power(ch,st:longint):longint;
var
  i,chn:longint;
begin
  chn:=ch;
  ch:=1;
  for i:=1 to st do
    ch:=ch*chn;
  if st<>0 then
    power:=ch
  else
    power:=1;
end;
var
  alf,stroka:ansistring;
  n,i,kolsl,code,sum:longint;
  dlina:real;
begin
  readln(stroka);
  for i:=1 to length(stroka) do
    if copy(stroka,i,1)=' ' then begin
      alf:=copy(stroka,1,i-1);
      val(copy(stroka,i+1,length(stroka)-i),n,code);
    end;
  kolsl:=power(n,length(alf));
```

```pascal
    dlina:=((length(alf)+length(alf)*n)/ 2)*kolsl;
    write(kolsl,' ',dlina:1:0);
end.
```

Задание7 (30/30 баллов)

```pascal
program Project7;
var
  bl1,bl2,bl3,sum,min,minb,i,n:longint;
begin
  read(n);
  min:=-1;
  minb:=0;
  for i:=1 to n do begin
    read(bl1,bl2,bl3);
    sum:=bl1+bl2+bl3;
    if (min=-1) or (sum<min) then begin
      min:=sum;
      minb:=i;
    end;
  end;
  write(minb);
end.
```