№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| 31. | 43;9 | ```pascal
var
  i,n,x,k,d1,d2: integer;
  m,m2:array[1..100] of integer;
  f:text;
begin
  assign(f,'26_31.txt');
  reset(f);
  readln(f,n);
  for i:=1 to n do
    begin
      readln(f,x);
      m[x]:=m[x]+1;
    end;
  close(f);
  for i:=1 to 100 do
    if (m[i] mod 2)<>0 then begin
      k:= k+1;
      m2[k]:= i;
    end;
  for i:=k downto 1 do
    if d1>d2 then
      d2:= d2+m2[i]
    else
      d1:= d1+m2[i];
  writeln(k,' ',abs(d2-d1));
end.
``` | ```python
k = d1 = d2 = 0
m, m2 = [], []
for i in range(101):
    m += [0]
m2 += [0]
f = open('26_31.txt')
n = int(f.readline())
for i in range(n):
    m[int(f.readline())] += 1
f.close()
for i in range(101):
    if m[i] % 2 != 0:
        k += 1
        m2 += [i]
for i in range(k, 0, -1):
    if d1 > d2:
        d2 += m2[i]
    else:
        d1 += m2[i]
print(k, abs(d2 - d1))
``` |
| 32. | 9936;4 | ```pascal
var
  i,n,x,k,d1,d2: integer;
  m,m2:array[1..100] of integer;
  f:text;
begin
  assign(f,'26_32.txt');
  reset(f);
  readln(f,n);
  for i:=1 to n do
    begin
      readln(f,x);
      m[x]:=m[x]+1;
    end;
  close(f);
  for i:=1 to 100 do begin
    if (m[i] mod 2)<>0 then begin
      k:= k+1;
      m2[k]:= i;
    end;
  end;
  for i:=k downto 1 do
    if d1>d2 then
      d2:= d2+m2[i]
    else
      d1:= d1+m2[i];
  writeln(n-k,' ',abs(d2-d1));
end.
``` | ```python
k = d1 = d2 = 0
m, m2 = [], []
for i in range(101):
    m += [0]
m2 += [0]
f = open('26_32.txt')
n = int(f.readline())
for i in range(n):
    m[int(f.readline())] += 1
f.close()
for i in range(101):
    if m[i] % 2 != 0:
        k += 1
        m2 += [i]
for i in range(k, 0, -1):
    if d1 > d2:
        d2 += m2[i]
    else:
        d1 += m2[i]
print(n - k, abs(d2 - d1))
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| 33. | 4605;5270 | ```pascal
var
  i,n,x,k1,k2: integer;
  m:array[1..99] of integer;
  f:text;
begin
  assign(f,'26_33.txt');
  reset(f);
  readln(f,n);
  for i:=1 to n do
    begin
      readln(f,x);
      m[x]:=m[x]+1;
    end;
  close(f);
  for i:=1 to 49 do
    k1:= k1+min(m[i],m[100-i]);
  k1:= k1 + m[50] div 2;
  k2:= n - k1;
  writeln(k1,' ',k2);
end.
``` | ```python
k1 = k2 = 0
m = []
for i in range(100):
    m += [0]
f = open('26_33.txt')
n = int(f.readline())
for i in range(n):
    m[int(f.readline())] += 1
f.close()
for i in range(1, 50):
    k1 += min(m[i], m[100 - i])
k1 += m[50] // 2
k2 = n - k1
print(k1, k2)
``` |
| 34. | 4717;18658 | ```pascal
var
  i,n,x,k,q: integer;
  m:array[1..99] of integer;
  f:text;
begin
  assign(f,'26_34.txt');
  reset(f);
  readln(f,n);
  for i:=1 to n do
    begin
      readln(f,x);
      m[x]:=m[x]+1;
    end;
  close(f);
  for i:=1 to 49 do
    begin
      k:= k+min(m[i],m[100-i]);
      if m[i]>m[100-i] then
        q:= q+(m[i]-m[100-i])*i
      else
        q:= q+(m[100-i]-m[i])*(100-i);
    end;
  k:= k + m[50] div 2;
  q:= q + (m[50] mod 2)*50;
  writeln(k,' ',q);
end.
``` | ```python
k = q = 0
m = []
for i in range(100):
    m += [0]
f = open('26_34.txt')
n = int(f.readline())
for i in range(n):
    m[int(f.readline())] += 1
f.close()
for i in range(1, 50):
    k += min(m[i], m[100 - i])
    if m[i] > m[100-i]:
        q += (m[i] - m[100-i]) * i
    else:
        q +=(m[100-i] - m[i]) * (100-i)
k += m[50] // 2
q += m[50] % 2 * 50
print(k, q)
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| 35. | 2802;5 | ```pascal
var
  n, i, k, v:integer;
  f: text;
  m: array of integer;
begin
  assign(f,'26_35.txt');
  reset(f);
  readln(f, n);
  m:= new integer[n];
  for i:= 0 to n - 1 do
    readln(f, m[i]);
  close(f);
  m.sort;
  v:= m[n-1];
  k:= 1;
  for i:= n-2 downto 0 do
    if m[i] <= (v-3) then
      begin
        v:= m[i];
        k:= k + 1;
      end;
  writeln(k,' ',v);
end.
``` | ```python
m = []
f = open('26_35.txt')
n = int(f.readline())
for i in range(n):
    m += [int(f.readline())]
f.close()
m.sort()
v = m[n - 1]
k = 1
for i in range(n - 2, 0, -1):
    if m[i] <= v - 3:
        v = m[i]
        k += 1
print(k, v)
``` |
| 36. | 1799;4 | ```pascal
var
  n, i, k, v:integer;
  f: text;
  m: array of integer;
begin
  assign(f,'26_36.txt');
  reset(f);
  readln(f, n);
  m:= new integer[n];
  for i:= 0 to n - 1 do
    readln(f, m[i]);
  close(f);
  m.sort;
  v:= m[n-1];
  k:= 1;
  for i:= n-2 downto 0 do
    if m[i] <= (v-5) then
      begin
        v:= m[i];
        k:= k + 1;
      end;
  writeln(k,' ',v);
end.
``` | ```python
m = []
f = open('26_36.txt')
n = int(f.readline())
for i in range(n):
    m += [int(f.readline())]
f.close()
m.sort()
v = m[n - 1]
k = 1
for i in range(n - 2, 0, -1):
    if m[i] <= v - 5:
        v = m[i]
        k += 1
print(k, v)
``` |
| 37. | 26507;7897 | ```pascal
var
  n, i, k, m, b, p:integer;
  f: text;
  a: array of integer;
begin
  assign(f,'26_37.txt');
  reset(f);
  readln(f, n, k, m);
  a:= new integer[n];
  for i:= 0 to n - 1 do
    readln(f, a[i]);
  close(f);
  a.sort;
  p:= a[n-m];
  for i:= 0 to k - 1 do
    b:= b + a[i];
  b:= b div k;
  writeln(p,' ',b);
end.
``` | ```python
a, b = [], 0
f = open('26_37.txt')
n, k , m = map(int,f.readline().split())
for i in range(n):
    a += [int(f.readline())]
f.close()
a.sort()
p = a[n - m]
for i in range(k):
    b += a[i]
b = b // k
print(p, b)
``` |
| 38. | 4654;96 | ```pascal
var
  n,i,j,k,v,p:integer;
  f: text;
  a: array[,] of integer;
begin
  assign(f,'26_38.txt');
  reset(f);
  readln(f, n, k);
  a:= new integer[n,2];
  for i:= 0 to n - 1 do
    readln(f, a[i,0], a[i,1]);
  close(f);
  for i:= 0 to n - 2 do
    for j:= i+1 to n - 1 do
      if (a[i,1]/a[i,0]>a[j,1]/a[j,0])
      or (a[i,1]/a[i,0]=a[j,1]/a[j,0])
      and (a[i,0]<a[j,0]) then begin
        v:=a[i,0];p:=a[i,1];
        a[i,0]:=a[j,0];a[i,1]:=a[j,1];
        a[j,0]:=v;a[j,1]:=p;
      end;
  v:=0; p:=0;
  for i:= 0 to k - 1 do begin
    v:= v + a[i, 0];
    if a[i, 0]>p then p:= a[i, 0];
  end;
  writeln(v,' ',p);
end.
``` | ```python
a = []
f = open('26_38.txt')
n, k = map(int,f.readline().split())
for i in range(n):
    a2 = []
    for j in range(2):
        a2 += [0]
    a += [a2]
    a[i][0],a[i][1]=\
    map(int,f.readline().split())
f.close()
for i in range(n - 1):
    for j in range(i+1, n):
        if (a[i][1]/a[i][0]>a[j][1]/a[j][0])\
        or (a[i][1]/a[i][0]==a[j][1]/a[j][0])\
        and (a[i][0]<a[j][0]):
            a[i], a[j] = a[j], a[i]
v, p = 0, 0
for i in range(k):
    v += a[i][0]
    if a[i][0]>p:
        p = a[i][0]
print(v, p)
``` |
| 39. | 5447;770 | ```pascal
var
  n,i,j,k,v,p:integer;
  f: text;
  a: array[,] of integer;
begin
  assign(f,'26_39.txt');
  reset(f);
  readln(f, n, k);
  a:= new integer[n,2];
  for i:= 0 to n - 1 do
    readln(f, a[i,0], a[i,1]);
  close(f);
  for i:= 0 to n - 2 do
    for j:= i+1 to n - 1 do
      if (a[i,1]/a[i,0]>a[j,1]/a[j,0])
      or (a[i,1]/a[i,0]=a[j,1]/a[j,0])
      and (a[i,0]<a[j,0]) then begin
        v:=a[i,0];p:=a[i,1];
        a[i,0]:=a[j,0];a[i,1]:=a[j,1];
        a[j,0]:=v;a[j,1]:=p;
      end;
  v:=0;p:=0;
  for i:= 0 to k - 1 do begin
    v:= v + a[i, 0];
    if a[i, 0]>p then begin
      p:= a[i, 0];
      j:= i;
    end;
  end;
  writeln(v,' ',a[j,1]);
end.
``` | ```python
a = []
f = open('26_39.txt')
n, k = map(int,f.readline().split())
for i in range(n):
    a2 = []
    for j in range(2):
        a2 += [0]
    a += [a2]
    a[i][0],a[i][1]=\
    map(int,f.readline().split())
f.close()
for i in range(n - 1):
    for j in range(i+1, n):
        if (a[i][1]/a[i][0]>a[j][1]/a[j][0])\
        or (a[i][1]/a[i][0]==a[j][1]/a[j][0])\
        and (a[i][0]<a[j][0]):
            a[i], a[j] = a[j], a[i]
v, p = 0, 0
for i in range(k):
    v += a[i][0]
    if a[i][0]>p:
        p = a[i][0]
        j = i
print(v, a[j][1])
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| **40.** | 10;8001 | ```pascal
var
  i,j,n,k,m,r,x,y: integer;
  s:array[0..10000] of set of integer;
  f: text;
begin
  assign(f,'26_40.txt');
  reset(f);
  readln(f, n);
  for i:=1 to n do begin
    readln(f, y, x);
    s[y] += [x];
  end;
  close(f);
  for i:=1 to 10000 do begin
    if s[i]>s[0] then begin
      k:= 0;
      for j:=1 to 10000 do
        if j in s[i] then
          k:= k+1
        else begin
          if k>m then begin
            m:= k; r:= i;
          end;
          k:= 0;
        end;
    end;
  end;
  writeln(m,' ',r);
end.
``` | ```python
s, m, r = [], 0, 0
for i in range(10001):
    s+=[set()]
f=open('26_40.txt')
n=int(f.readline())
for i in range(n):
    y,x=map(int,f.readline().split())
    s[y].add(x)
f.close
for i in range(1,10001):
    if s[i]>s[0]:
        k = 0
        for j in range(1,10001):
            if j in s[i]:
                k += 1
            else:
                if k > m:
                    m, r = k, i
                k = 0
print(m, r)
``` |
| **41.** | 46956;34 | ```pascal
var
  n,i,j,k,r,x,y,m: integer;
  s: array[0..5002] of set of integer;
  f: text;
begin
  assign(f,'26_41.txt');
  reset(f);
  readln(f, n);
  for i:=1 to n do begin
    readln(f,r,k);
    s[r] += [k];
  end;
  close(f);
  for i:=1 to 5000 do begin
   if s[i]>s[0] then
     for j:=1 to 4998 do begin
      if (j in s[i]) and ((j+1 in s[i])
       or (j+2 in s[i]) or (j+3 in s[i])
       or (j+4 in s[i])) then
        if (j in s[i]) and
         ((j+1 in s[i]) or
         (j+2 in s[i])) then
         begin
          s[i]-=[j];
          s[i]-=[j+1];s[i]-=[j+2];
         end
        else s[i]-=[j];
     end;
   if s[i].count>0 then
    x:=x+s[i].count;
   if s[i].count>m then begin
    m:=s[i].count; y:=i;
   end;
  end;
  writeln(x,' ',y);
end.
``` | ```python
x, y, m, s = 0, 0, 0, []
for i in range(5003):
    s+=[set()]
f=open('26_41.txt')
n=int(f.readline())
for i in range(n):
    r,k=map(int,f.readline().split())
    s[r].add(k)
f.close
for i in range(1,5001):
    if s[i]>s[0]:
        for j in range(1,4999):
            if j in s[i] and (j+1 in s[i]\
            or j+2 in s[i] or j+3 in s[i]\
            or j+4 in s[i]):
                if j in s[i] and (j+1 in s[i]\
                or j+2 in s[i]):
                    if j+1 in s[i]:
                        s[i].remove(j+1)
                    if j+2 in s[i]:
                        s[i].remove(j+2)
                s[i].remove(j)
    if s[i]>s[0]:
        x=x+len(s[i])
    if len(s[i])>m:
        m=len(s[i])
        y=i
print(x,y)
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| **42.** | 6;228 | ```pascal
var
  i,j,n,k,m,p,q,r,x,y: integer;
  s:array[0..1000] of set of integer;
  f: text;
begin
  assign(f,'26_42.txt');
  reset(f);
  readln(f, n, k);
  for i:=1 to n do begin
    readln(f, y, x);
    s[y] += [x];
  end;
  close(f);
  for i:=1000 downto 1 do begin
    if s[i]>s[0] then begin
      q:= 0;
      for j:=1 to 1000 do
        if j in s[i] then
          q:= q+1
        else begin
          p:=q; q:=0;
          if p>=k then begin
            m:=m+1;
            r:=i;
            break;
          end;
        end;
    end;
  end;
  writeln(m,' ',r);
end.
``` | ```python
s, m = [], 0
for i in range(1001):
    s+=[set()]
f=open('26_42.txt')
n,k=map(int,f.readline().split())
for i in range(n):
    y,x=map(int,f.readline().split())
    s[y].add(x)
f.close
for i in range(1000, 0, -1):
    if s[i]>s[0]:
        q = 0
        for j in range(1,1001):
            if j in s[i]:
                q += 1
            else:
                p, q = q, 0
                if p >= k:
                    m += 1
                    r = i
                    break
print(m, r)
``` |
| **43.** | 145651;99825 | ```pascal
var
  i,j,n,k,p,q,r,x: integer;
  s: set of integer;
  m2: array of integer;
  f: text;
begin
  assign(f,'26_43.txt');
  reset(f);
  readln(f, n);
  for i:= 0 to n - 1 do begin
    readln(f, x);
    s += [x];
    if (x mod 2=0) then begin
      k:=k+1;
      setlength(m2,k);
      m2[k-1]:= x;
    end;
  end;
  close(f);
  for i:= 0 to k - 2 do
    for j:= i+1 to k - 1 do begin
      p:= (m2[i]+m2[j]) div 2;
      if p in s then
      begin
        q:=q+1;
        if p>r then r:=p;
      end;
    end;
  writeln(q,' ',r);
end.
``` | ```python
k, q, r = 0, 0, 0
s, m2 = set(), []
f = open('26_43.txt')
n = int(f.readline())
for i in range(n):
    x = int(f.readline())
    s.add(x)
    if x % 2 == 0:
        k += 1
        m2 += [x]
f.close()
for i in range(k - 1):
    for j in range(i + 1, k):
        p = (m2[i] + m2[j]) // 2
        if p in s:
            q += 1
            if p > r:
                r = p
print(q, r)
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| 44. | 39034358;48443839 | ```pascal
var
  n, i, k: integer;
  s1, s2: real;
  f: text;
  m: array of integer;
begin
  assign(f,'26_44.txt');
  reset(f);
  readln(f, n);
  m:= new integer[n];
  for i:= 0 to n - 1 do
    readln(f, m[i]);
  close(f);
  m.sort;
  k:= n div 4;
  for i:= 0 to (n-k-1) do
    s1:= s1 + m[i];
  for i:= n-k to (n-1) do
    s1:= s1 + m[i]/2;
  for i:= 0 to (k-1) do
    s2:= s2 + m[i]/2;
  for i:= k to (n-1) do
    s2:= s2 + m[i];
  writeln(int(s1),' ',int(s2));
end.
``` | ```python
s1 = s2 = 0
m = []
f = open('26_44.txt')
n = int(f.readline())
for i in range(n):
    m += [int(f.readline())]
f.close()
m.sort()
k = n // 4
for i in range(n - k):
    s1 += m[i]
for i in range(n - k, n):
    s1 += m[i] / 2
for i in range(k):
    s2 += m[i] / 2
for i in range(k, n):
    s2 += m[i]
print(int(s1), int(s2))
``` |
| 45. | 45599524;49047187 | ```pascal
var
  n, i, k: integer;
  s1, s2: real;
  f: text;
  m: array of integer;
begin
  assign(f,'26_45.txt');
  reset(f);
  readln(f, n);
  m:= new integer[n];
  for i:= 0 to n - 1 do
    readln(f, m[i]);
  close(f);
  m.sort;
  k:= n div 6;
  for i:= 0 to (n-1) do
    if ((n-i) mod 6)=0 then
      s1:= s1 + m[i]/2
    else s1:= s1 + m[i];
  for i:= 0 to (k-1) do
    s2:= s2 + m[i]/2;
  for i:= k to (n-1) do
    s2:= s2 + m[i];
  writeln(int(s1),' ',int(s2));
end.
``` | ```python
s1 = s6 = 0
m = []
f = open('26_45.txt')
n = int(f.readline())
for i in range(n):
    m += [int(f.readline())]
f.close()
m.sort()
k = n // 6
for i in range(n):
    if (n - i) % 6 == 0:
        s1 += m[i] / 2
    else:
        s1 += m[i]
for i in range(k):
    s6 += m[i] / 2
for i in range(k, n):
    s6 += m[i]
print(int(s1), int(s6))
``` |

№	Ответ	Решение на языке *PascalABC.NET*	Решение на языке *Python*
| 46. | 189;136 | ```pascal
var
  n, m, i, q, k, v: integer;
  f: text;
  g: array of integer;
begin
  assign(f,'26_46.txt');
  reset(f);
  readln(f, n, m);
  for i:= 0 to n - 1 do begin
    readln(f, v);
    if (v>=360) and (v<=400)
      then begin
        m:= m - v; k:= k + 1;
      end
    else begin
      q:= q + 1;
      setlength(g, q);
      g[q - 1]:= v;
    end;
  end;
  close(f);
  g.sort;
  v:= 0; i:= 0;
  while (v+g[i]<=m-g[i+1]) do
    begin
      v:= v + g[i];
      i:= i + 1; k:= k + 1;
    end;
  while (g[i] <= m - v) do
    begin
      q:= g[i]; i:= i + 1;
    end;
  k:= k + 1;
  writeln(k,' ',q);
end.
``` | ```python
q = k = 0
g = []
f = open('26_46.txt')
n, m = map(int,f.readline().split())
for i in range(n):
    v = int(f.readline())
    if (v>=360) and (v<=400):
        m -= v
        k += 1
    else:
        g += [v]
f.close()
g.sort()
v, i = 0, 0
while v + g[i] <= m - g[i+1]:
    v += g[i]
    i += 1
    k += 1
while g[i] <= (m - v):
    q = g[i]
    i += 1
k += 1
print(k, q)
``` |