# Практическая работа 6

## Задача 1

# Задача 2

# Задача 3

```
In [18]: X=str(input())
    print(X.replace('.',' '))

3.50
    3 50
```

## Задача 4

```
In [23]: N=str(input())
    if int(N.split('.')[1])>=5:
        print(int(N.split('.')[0])+1)
    else:
        print(int(N.split('.')[0]))
2.7
3
```

```
In [33]: P=int(input()) #npoqeHmы
X=int(input()) #pyδли
Y=int(input()) #κοπεŭκυ
s1=X*100+Y
s2=s1*(P/100)+s1
print(int(s2//100), int(s2%100))
10
100
0
110 0
```

```
In [45]: P=int(input()) #npoqeHmы
    X=int(input()) #pyδлu
    Y=int(input()) #κοπεŭκυ
    K=int(input()) #nem
    kop=(X*100)+Y
    for i in range(K):
        kop+=int(kop*P/100)
        print(kop // 100, kop % 100)
1
1
0
100
11881 92
```

```
In [15]:
         n=int(input())
          x=float(input())
          a1=float(input())
         P=a1
          for i in range (n):
              a2=float(input())
              P=P*x+a2
          j=10
          K=(int(P*j)%j)
         while K!=0:
              j*=10
              K=(int(P*j)%10)
          if j!=10:
              P=((P*(j/10))/(1)/(j/10)
              print(P)
          else:
              print(int(P))
         5
         7.1
```

```
1
2
3
4
5
6
24441.5
```

```
In [35]:
          x=int(input())
          inp=''
          summ=0
          while x!=0:
              inp+=str(x)
              summ+=x
              x=int(input())
              if x!=0:
                  inp+=','
          inp=inp.split(',')
          s=summ/len(inp)
          u=int(len(inp))
          for i in range(len(inp)):
              x+=((int(inp[i])-s)**2)
          sigma=(x/(len(inp)-1))**.5
          print(sigma)
          1
         1
          1
          1
          1
          1
          1
          1
          1
          0
          0.0
```

### Задача 9

```
In [43]:
          a=float(input())
          b=float(input())
          c=float(input())
          D=b*b-4*a*c
          if D>0:
              x1=(-b-D**.5)/(2*a)
              x2=(-b+D**.5)/(2*a)
              if x1==x1//1:
                  x1=int(x1)
              if x2==x2//1:
                  x2=int(x2)
              print(x1,x2)
          elif D==0:
              x=-b/(2*a)
              if x==x//1:
                  x=int(x)
              print(x)
          else:
              print('')
         4
         0
          -2
```

-0.7071067811865476 0.7071067811865476

```
In [ ]:
        a=float(input())
         b=float(input())
         c=float(input())
        D=b*b-4*a*c
         if a!=0:
             if D>0:
                 x1=(-b-D**.5)/(2*a)
                 x2=(-b+D**.5)/(2*a)
                 if x1==x1//1:
                     x1=int(x1)
                 if x2==x2//1:
                     x2=int(x2)
                 print('2',x1,x2)
             elif D==0:
                 x=-b/(2*a)
                 if x==x//1:
                     x=int(x)
                 print('1',x)
             else:
                 print('0')
         else:
             print('3')
```

# Задача 11

```
In [48]:
          a=float(input())
          b=float(input())
          c=float(input())
          d=float(input())
          e=float(input())
          f=float(input())
         y=(a*f-c*e)/(a*d-c*b)
          x=(e-b*y)/a
          if y==y//1:
              y=int(y)
          if x==x//1:
              x=int(x)
          print(x,y)
         3
         5
         4
         4
         11
         12
         2 1
```

```
In [55]:
         a = float(input())
          b = float(input())
          c = float(input())
          d = float(input())
          e = float(input())
          f = float(input())
          if a==0 and b==0 and c==0 and d==0 and e==0 and f==0:
              print('5')
          elif a*d==b*c and a*f==c*e:
              if b==0 and d==0:
                  if a!=0 and c!=0:
                      x=e/a
                      if x==x//1:
                          x=int(x)
                      print('3',x)
                  elif a==0:
                      if e==0:
                          x=f/c
                          if x==x//1:
                               x=int(x)
                          print('3',x)
                  elif c==0:
                      if f==0:
                          x=e/a
                          if x==x//1:
                               x=int(x)
                          print('3',x)
              elif a==0 and c==0:
                  if b!=0:
                      y=e/b
                      if y==y//1:
                          y=int(y)
                      print('4',y)
                  elif d!=0:
                      y=f/b
                      if y==y//1:
                          y=int(y)
                      print('4', y)
              elif b!=0:
                  p=-a/b
                  q=e/b
                  if p==p//1:
                      p=int(p)
                  if q==q//1:
                      q=int(q)
                  print('1',p,q)
              elif d!=0:
                  p=-c/d
                  q=f/d
                  if p==p//1:
                      p=int(p)
                  if q==q//1:
                      q=int(q)
                  print('1',p,q)
          elif a*d==b*c and a*f!=c*e:
              print('0')
          elif b==0 and d==0 and a*f!=c*e:
              print('0')
          elif a==0 and c==0 and b*f!=d*e:
              print('0')
          elif c==0 and d==0 and f!=0:
              print('0')
          elif a==0 and b==0 and e!=0:
```

```
print('0')
else:
    x=(e*d-b*f)/(a*d-b*c)
    y=(a*f-e*c)/(a*d-b*c)
    if y==y//1:
        y=int(y)
    if x==x//1:
        x=int(x)
    print('2', x, y)
```

# Задача 13

```
In [61]: s=str(input())
    print(s[2])
    print(s[-2])
    print(s[:-2])
    print(s[::2])
    print(s[::2])
    print(s[::-1])
    print(s[-1::-2])
    print(len(s))
Abrakadabra
```

r r Abrak Abrakadab Arkdba baaar arbadakarbA abdkrA

# Задача 14 ¶

```
In [63]: s=str(input())
    count=len(s)-len(s.replace('f',''))
    if count==0:
        pass
    elif count==1:
        print(s.index('f'))
    else:
        print(s.index('f'), s.rindex('f'))

office
1 2
```

```
In [67]: s=str(input())
s=s[:s.find('h')]+s[s.rfind('h')+1:]
print(s)
In the hole in the ground there lived a hobbit
In tobbit
```

```
In [69]: s=str(input())
s=s[:s.rfind('h')]+s[s.find('h')+1:s.rfind('h')]+s[s.rfind('h'):]
print(s)

In the hole in the ground there lived a hobbit
In the hole in the ground there lived a e hole in the ground there lived a hob
```

#### Задача 17

bit

```
In [72]: s=input()
    count=0
    for i in range(len(s)):
        if s[i]=='f':
            count+=1
            if count==2:
                print(i)

if count==1:
            print('-1')
    elif 'f' not in s:
        print('-2')
```

# Задача 18

```
In [77]: s=input()
st=s.split(' ')
s=st[1]+' '+st[0]
print(s)

Q WERRTYUIOP
WERRTYUIOP Q
```

### Задача 19

```
In [79]: s=input()
    st=s.split(' ')
    print(len(st))

    q w e
    3
```

```
In [3]: s=input()
s=s.replace('1','one')
print(s)

1+1=2
one+one=2
```

```
In [7]: s=input()
s=s.replace('@','')
print(s)

Bilbo.Bagginsbagend.hobbiton.shire.me
Bilbo.Bagginsbagend.hobbiton.shire.me
```

#### Задача 22

## Задача 23

```
In [16]: s=input()
    i='*'
    print(i.join(list(s)))

Hello
    H*e*1*1*o
```

```
In [19]: s=input()
    st=''
    for i in range(len(s)):
        if i%3!=0:
            st=st+s[i]
    print(st)

    qwer
    we

In [ ]:
```