1. a = int(input())

b = int(input())

print((a / b , a % b)

1. a = int(input())

b = int(input())

c = int(input())

d = int(input())

print(max(a,b,c,d))

1. a = input()

print(len(a))

1. h = input()

r = input()

print(20000/(h \* r\*\*2) + 1)

1. ax = float(input())

ay = float(input())

bx = float(input())

by = float(input())

l = pow((ax - bx)\*\*2 + (ay - by)\*\*2, 0.5)

print(l)

1. **from** random **import** randint

num = randint(100,999)

a = int(num / 100)

b = int(num % 100 / 10)

c = int(num % 10)

d = 100 \* c + 10 \* b + a

print(num)

print(d)

1. num = int(input())

a = int(num / 100)

b = int(num % 100 / 10)

c = int(num % 10)

d = a + b + c

print(**'%4s'** % d)

1. **import** math

x1 = int(input())

x2 = int(input())

x3 = int(input())

y1 = int(input())

y2 = int(input())

y3 = int(input())

a = math.sqrt((x1-x2)\*\*2 + (y1-y2)\*\*2)

b = math.sqrt((x1-x3)\*\*2 + (y1-y3)\*\*2)

c = math.sqrt((x2-x3)\*\*2 + (y2-y3)\*\*2)

C = (a+b+c) / 2

S = math.sqrt(C \* (C-a) \* (C-b) \* (C-c))

print(**'%-7.2f'** % S)

1. **import** math

M = float(input())

F = (M + 100) \* (1 + 0.005)

S = (F + 100) \* (1 + 0.005)

T = (S + 100) \* (1 + 0.005)

f = (T + 100) \* (1 + 0.005)

l = (f + 100) \* (1 + 0.005)

s = (5 \* M) / l

print(**'%.5f'** % l)

print(**'%.2f%%'** % s)

1. **import** time

print(time.asctime(time.localtime(time.time())))

1. **from** random **import** randint

**from** math **import** pi

num = randint(5,20)

r = int(num)

v = (4 / 3) \* pi \* (r\*\*3)

print(**'%15.3f'** % r)

print(**'%15.3f'** % v)

1. x1 = float(input())

y1 = float(input())

x2 = float(input())

y2 = float(input())

c = x1 \* x2 + y1 \* y2

d = pow((x1\*\*2+y1\*\*2),0.5)\*pow((x2\*\*2+y2\*\*2),0.5)

print(c/d)

1. t1 = str(input())

t2 = str(input())

hh1 = int(t1[0]+t1[2])

mm1 = int(t1[3]+t1[4])

ss1 = int(t1[6]+t1[7])

hh2 = int(t2[0]+t2[2])

mm2 = int(t2[3]+t2[4])

ss2 = int(t2[6]+t2[7])

time1 = hh1\*3600+mm1\*60+ss1

time2 = hh2\*3600+mm2\*60+ss2

print(abs(time1-time2))

1. **from** random **import** randint

**import** math

num = float(randint(10,50))

num2 = float(randint(10,50))

m = float(pow(num\*\*2+num2\*\*2,0.5))

t = float(math.atan(num2 / num))

z = complex(num,num2)

print(**'%7s'** % z)

print(**'%7.2f'** % m)

print(**'%7.2f'** % t)

1. **import** time

ticks = time.time()

a = int(ticks / (3600\*24))

b = int((ticks % (3600\*24)/3600))

print(a,b)

1. l = [1,2,3,4,5,6,7,8,9,10,11]

**if** len(l) % 2 == 0:

l.sort()

**if** l[int(len(l) / 2 - 1)] >= l[int(len(l) / 2 )]:

print(l[int(len(l) / 2)])

**else**:

print(l[int(len(l) / 2 - 1)])

**else**:

print(l[int(len(l) / 2)])

1. a = [23,33,32]

b = [str(i) **for** i **in** a]

c = **""**.join(b)

d = list(c)

**if** d == d[::-1]:

print(**True**)

**else**:

print(**False**)

1. a = [2,4,7,9,12,17,19]

b = []

**for** i **in** a:

**for** j **in** range(2,i):

**if** i % j == 0:

**break**

**else**:

b.append(i)

s = 0

**for** k **in** b:

**for** q **in** b:

**for** p **in** b:

**if** k + q == p:

s += 1

print(s / 2)

print(b)

1. num = [];

**for** i **in** range(2,501):

**for** j **in** range(2,i):

**if**(i % j == 0):

**break**

**else**:

num.append(i)

count = 0

**for** i **in** num:

print(**"{:<5d}"**.format(i),end=**""**)

count += 1

**if** count % 5 == 0:

print(**""**)

1. a = [35, 46, 57, 13, 24, 35, 99, 68, 13, 79, 88, 46]

b = list(set(a))

b.sort()

print(b)

1. a = input()

b = input()

list1 = list(a)

list2 = list(b)

list1.sort()

list2.sort()

**if** list1 == list2:

print(**"Yes"**)

**else**:

print(**"False"**)

1. **from** random **import** randint

matrix = ([randint(1,100) **for** i **in** range(4)],[randint(1,100) **for** i **in** range(4)],[randint(1,100) **for** i **in** range (4)],[randint(1,100) **for** i **in** range (4)])

list(zip(\*matrix))

print(matrix)

1. names = [**"**张飞**"**,**"**李大刀**"**,**"**李墨白**"**,**"**王老虎**"**,**"**雷小米**"**]

mark1 = [78,92,84,50,99]

mark2 = [75,67,88,50,98]

l = []

**for** i **in** range(len(mark1)):

l.append(mark1[i]+mark2[i])

a = list(zip(names,l))

b = sorted(a,key=**lambda** x:x[1],reverse=**True**)

print(b)

1. n = int(input())

x = [[-1 **for** i **in** range(n)] **for** i **in** range(n)]

line = 0

col = n // 2

cnt = 1

**while** cnt <= n \*\* 2:

x[line][col] = cnt

preline = line

precol = col

line -= 1

**if** line == -1:

line = n - 1

col = (col + 1) % n

**if** x[line][col] != -1:

line = preline + 1

col = precol

cnt += 1

**for** item **in** x:

print(item)

1. N = int(input())  
   print((N // 75) \* 7 + (N % 75) // 45 \* 4 + (N % 75 % 45))
2. a = float(input())

b = float(input())

c = float(input())

**if** a == 0:

print(**'Error'**)

**else**:

delta = b\*\*2-4\*a\*c

x1 = (-b+delta)/(2\*a)

x2 = (-b-delta)/(2\*a)

**if** delta == 0:

print(**"**方程有两个相同的解： **x1 = x2 = {:10.5f}"**.format(x1,x2))

**elif** delta < 0:

print(**"**方程没有实数解：**x1 = x2 = {:10.5f}"**.format(x1,x2))

**elif** delta > 0:

print(**"**方程有两个不同的实数解：**x1 = {:10.5f}, x2 = {:10.5f}"**.format(x1,x2))

**27.import** math

x1 = int(input())

x2 = int(input())

x3 = int(input())

y1 = int(input())

y2 = int(input())

y3 = int(input())

a = math.sqrt((x1-x2)\*\*2 + (y1-y2)\*\*2)

b = math.sqrt((x1-x3)\*\*2 + (y1-y3)\*\*2)

c = math.sqrt((x2-x3)\*\*2 + (y2-y3)\*\*2)

C = (a+b+c) / 2

S = math.sqrt(C \* (C-a) \* (C-b) \* (C-c))

**if** a+b <= c **or** a+c <= b **or** b+c <= a:

print(**"Error!"**)

**else**:

print(**"**周长**="**,C)

print(**"**面积**="**,S)

**28．import** math

x1 = int(input())

y1 = int(input())

r = int(input())

x2 = int(input())

y2 = int(input())

d = (x2-x1)\*\*2+(y2-y1)\*\*2

**if** r >= d:

print(**"**在圆内**"**)

**else**:

print(**"**在圆外**"**)

1. num = int(input())

**if** num // 10 == 0:

print(**"**一位数**"**)

print(num)

print(num)

**elif** num-10000 >= 0:

m = int(num // 10000)

n = int(num % 10000 // 1000)

o = int(num % 1000 // 100)

p = int(num % 100 // 10)

q = int(num % 10)

r = 10000 \* q + 1000 \* p +100 \* o + 10 \* n + m

print(**"**五位数**"**)

print(m,n,o,p,q)

print(r)

**elif** num-1000 >= 0:

h = int(num // 1000)

i = int(num % 1000 // 100)

j = int(num % 100 // 10)

k = int(num % 10)

l = 1000 \* k +100 \* j +10 \* i + h

print(**"**四位数**"**)

print(h,i,j,k)

print(l)

**elif** num-100 >= 0:

a = int(num / 100)

b = int(num % 100 / 10)

c = int(num % 10)

d = 100 \* c + 10 \* b + a

print(**"**三位数**"**)

print(a,b,c)

print(d)

**elif** num-10 >= 0:

e = int(num // 10)

f = int(num % 10)

g = f \* 10 + e

print(**"**两位数**"**)

print(e,f)

print(g)

1. a = int(input())

b = int(input())

c = int(input())

l = [a,b,c]

l.sort()

print(l[0],l[1],l[2])

1. a = int(input())

b = []

c = []

**while** a // 2 > 0:

b.append(a % 2)

a = a // 2

b.append(1)

l = len(b)

**for** i **in** range(l):

c.append(b[l-1-i])

c = [str(i) **for** i **in** c]

d = **“”**.join©

print(d)

1. a = int(input())

**if** a < 100000:

print(a \* 1.015)

**elif** 500000 > a >= 100000:

print(a \* 1.02)

**elif** 1000000 > a >= 500000:

print(a \* 1.03)

**elif** a >= 1000000:

print(a \* 1.035)

1. a = input()

b = a.lower()

c = a.upper()

**if** a == b:

print(c)

**elif** a == c:

print(b)

**elif** a != b **and** a != c:

print(a)

1. n=int(input())

**for** i **in** range(1,n+1):

**for** space **in** range(n - i):

print(**" "**,end=**" "**)

**for** star **in** range(2\*i-1):

print(**"\*"**,end=**" "**)

print()

35. n = int(input())

**for** i **in** range(1,n+1):

**for** j **in** range(1,n+1):

print(i\*j,end=**"\t"**)

**if** j == n:

print(**""**)

1. n = int(input(**'Please input n:'**))

**for** i **in** range(1,2\*n):

**for** j **in** range(abs(i-n)):

print(**' '**,end=**''**)

**for** j **in** range(2\*n-1-abs(i-n)):

print(**'\* '**,end=**''**)

print()

1. **import** sys

n = eval(input())

**if** n == **"n = 0"**:

sys.exit()

**while** type(n) != int:

print(**"**重新输入**"**)

n = input()

a = []

**while** n > 0:

b = eval(input())

a.append(b)

n += -1

print(sum(a))

1. a = []

n = int(input())

**for** i **in** range(2,n):

**for** j **in** range(2,i-1):

**if** i % j == 0:

**break**

**else**: a.append(i)

**for** i **in** range(len(a)):

print(a[i],end=**"\t"**)

1. a = int(input())

n = int(input())

i = 0

j = 0

k = 0

**while** i < n:

j = 10 \* j + a

i += 1

k = k + j

print(k)

1. m,n = map(int,input(**"m,n="**).split())

lst1 = [[**None for** i **in** range(n)] **for** i **in** range(m)]

**for** i **in** range(m):

**for** j **in** range(n):

lst1[i][j] = int(input(**"Please inPut A[{0:d}][{1:d}]:"**.format(i,j)))

lst2 = [[**None for** i **in** range(n)] **for** i **in** range(m)]

**for** i **in** range(m):

**for** j **in** range(n):

lst2[i][j] = int(input(**"Please inPut B[{0:d}][{1:d}]:"**.format(i,j)))

temp = [0 **for** i **in** range(n)]

lst3 = [temp **for** i **in** range(m)]

**for** i **in** range(m):

**for** j **in** range (n):

lst3[i][j] = lst2[i][j]+lst1[i][j]

print(lst3)

1. n, k = map(int, input().split())

stu = list(range(1, n + 1))

count = 1

**while** len(stu) != 1:

stu\_list = []

**if** k == 1:

stu\_list.append(stu[-1])

stu = stu\_list[:]

**break**

**for** x **in** stu:

**if** count % k != 0 **and** count % 10 != k:

stu\_list.append(x)

count += 1

stu = stu\_list[:]

print(stu[0])

1. **def** func (n):

a = []

**for** i **in** range(1,n):

**if** n % i == 0:

a.append(i)

s = 0

**for** i **in** a:

s = s+i

**return** s

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func(10))

1. **def** func (x):

a = str(x)[::-1]

**return** int(a)

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func(346))

1. **def** func(x):

n = str(x)[::-1]

**if** int(n) == x:

**return False**

**else**:

**return True**

**def** prime(x):

**for** i **in** range(2,x):

**if** x % i == 0:

**return False**

**else**:

**return True**

**def** main():

a = int(input())

**if** prime(a) **and** func(a):

print(**True**)

**else**:

print(**False**)

main()

**def** main():

x = 2

count = 0

**while** count < 30:

**if** prime(x) **and** func(x):

print(**"{:5d}"**.format(x), end=**""**)

x += 1

count += 1

**if** count % 8 == 0:

print()

**else**:

x += 1

**continue**

main()

1. **import** math

**def** prime (x):

p = math.log2(x+1)

**if** p % 1 == 0:

**return True**

**else**:

**return False**

**def** prime2 (x):

x = int(x)

**for** i **in** range(2,x):

**if** x % i == 0:

**return False**

**else**:

**return True**

**def** main():

a = int(input())

**if** prime(a) **and** prime2(a):

print(**True**)

**else**:

print(**"p = -1"**)

main()

**def** main():

**for** i **in** range(2,1000):

**if** prime(i) **and** prime2(i):

b = math.log2(i)+1

print(**"{:3d} {:4d}"**.format(int(b),i))

main()

1. n = int(input())

s = input()

a = **""**

b = **""**

**for** i **in** range(len(s)):

**if** 90 >= ord(s[i]) >= 65:

**if** ord(s[i]) + n % 26 <= 90:

a += chr(ord(s[i]) + n % 26)

**else**:

a += chr(ord(s[i]) + n % 26 - 26)

**if** 122 >= ord(s[i]) >= 97:

**if** ord(s[i]) + n % 26 <= 122:

a += chr(ord(s[i]) + n % 26)

**else**:

a += chr(ord(s[i])+ n % 26 -26)

**if** 48 <= ord(s[i]) <= 57:

**if** i != len(s)-1:

**if** 90 >= ord(s[i+1]) >= 65 **or** 122 >= ord(s[i+1]) >= 97:

b += s[i]

a += str(int(b) \* n)

b = **""**

**else**:

b += s[i]

**else**:

b += s[i]

a += str(int(b) \* n)

print(a)

1. **def** main():

n =input()

list = n.split()[::-1]

**for** i **in** list:

print(i,**""**,end=**""**)

main()

1. **def** func (n,x):

n2 = n.lower()

count = 0

**for** i **in** range(0,len(n2)):

**if** n2[i] == n2[x]:

count += 1

**else**:

**continue**

**return** count

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func(**"This is a test example. "**,0))

**49． def** fib(x):

**if** x == 1 **or** x == 2:

**return** 1

**else**:

**return** fib(x-1)+fib(x-2)

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(fib(40))

**50． def** bubble (nums):

**for** i **in** range(len(nums)-1):

**for** j **in** range(len(nums)-1):

**if** nums[j] > nums[j+1]:

nums[j],nums[j+1] = nums[j+1],nums[j]

**return** nums

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(bubble([2,8,9,67,87,34]))

**51. def** func (x):

**for** i **in** range(len(x)):

**for** j **in** range(len(x)-1):

**if** ord(x[i]) < ord(x[i+1]):

x[i],x[i+1] = x[i+1],x[i]

a = x[::-1]

**return** x,a

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func([**"r"**,**"o"**,**"s"**,**"w"**,**"q"**,**"t"**,**"p"**,**"x"**,**"m"**,**"g"**]))

**52. def** func (x):

a = x.split()

**for** i **in** range(len(a)):

**for** j **in** range(len(a)-1):

b = list(a[i])

c = list(a[i+1])

d = 0

e = 0

r = 0  
t = []  
l = []  
**for** i **in** range(len(a)):  
 l.append(a[i])  
 **for** j **in** a[i]:  
 r += ord(j)  
 **if** i **not in** l:  
 t.append(r)  
 r = 0  
t.sort()  
y = []  
**for** i **in** range(len(a)):  
 y.append((a[i],t[i]))

**return** len(a),y

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func(**"A major drawback of cross-network recommender solutions is that they can only"**))

53. n = input()

**if** len(n) < 2:

print(**""**)

**else**:

print(**"{}{}{}{}"**.format(n[0],n[1],n[-2],n[-1]))

54. a = input()  
n = int(input())  
print(**"{}{}"**.format(a[:n-1],a[n:]))

55. n = input()

list = n.split()[::-1]

**for** i **in** list:

print(i,**""**,end=**""**)

**56. import** re

a = input()

s = len(a)

**for** i **in** range(s):

**if** i < a.rfind(a[i]):

**continue**

**else**:

print(a[i],a.count(a[i]))

57. n = input()

s = len(n)

l = [**"o"**,**"ch"**,**"s"**,**"sh"**,**"x"**,**"z"**]

**if** n[s-1] == **"y"**:

print(**"{}ies"**.format(n[:s-1]))

**elif** n[s-1] **in** l **or** n[s-2:] **in** l:

print(**"{}es"**.format(n))

**else**:

print(**"{}s"**.format(n))

**58. def** func (x):

count = 0

count2 = 0

count3 = 0

**for** i **in** x:

**if** i.isdigit():

count += 1

**elif** i.isupper():

count2 += 1

**elif** i.islower():

count3 += 1

**if** len(x) > 8 **and** count > 0 **and** count2 > 0 **and** count3 > 0:

**return True**

**else**:

**return False**

**if** \_\_name\_\_ == **'\_\_main\_\_'**:

print(func(**“sasdasd23F"**))

**59. def** func (a,b,c):  
 p = **""  
 if** 16 < a **or** a < 2 **or** 16 < b **or** b < 2:  
 **return None  
 else**:  
 **if** a != 10:  
 count = 1  
 **for** i **in** c:  
 p += str(int(i)\*(a)\*\*(len(c)-count))  
 count += 1  
 p = int(p)  
 **else**:  
 p = int(c)  
 j = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, **'A'**, **'b'**, **'C'**, **'D'**, **'E'**, **'F'**]  
 k = []  
 **while True**:  
 s = p // b  
 y = p % b   
 k = k + [y]  
 **if** s == 0:  
 **break** p = s  
 k.reverse()  
 o = **''  
 for** i **in** k:  
 o += str(j[i])  
 **return** o  
  
**if** \_\_name\_\_ == **'\_\_main\_\_'**:  
 print(func(3,7,**"2323222232"**))

60. n = input()

a = [i **for** i **in** n **if** i != **" " if** i != **"." if** i != **"," if** i != **"!"**]

b = **""**.join(a)

b.lower()

**if** b == b[::-1]:

print(**True**)

**else**:

print(**False**)

61. s = input()

n = len(s)

puntuation = [**" "**,**","**,**"."**,**"!"**,**"<"**,**">"**,**"`"**,**"~"**,**"?"**,**"/"**,chr(34)]

**for** i **in** range(n-1):

**if** s[i] **in** puntuation **and** s[i+1] != **" "**:

s = s[:i+1] + **" "** + s[i+1:]

**else**:

**continue**

s2 = s.split()[::]

**for** i **in** s2:

print(i,end=**" "**)

**62. import** re  
s = input(**"请输入一行或多行XML/HTML代码(按两次回车键结束输入)："**)  
stopword = **""**s1 = s+**"\n"  
for** line **in** iter(input, stopword):  
 s1 += line + **"\n"**list1 = s1.splitlines()  
  
**for** i **in** list1:  
 patt1 = re.compile(**"</.+>"**)  
 patt2 = re.compile(**"<"**)  
 patt3 = re.compile(**">"**)  
 s2 = patt3.sub(**":"**, patt2.sub(**""**, patt1.sub(**""**, i)))  
 print(s2)

63. a = (65.5, 70.2, 100.5, 45.5, 88.8, 55.5, 73.5, 67.8)

b = sum(a)

c = b / len(a)

d = 0

**for** i **in** a:

d += (i-c)\*\*2

print(d / len(a))

64. a = (43,56,78,54,67,89,23,100)

s = []

**for** i **in** a:

s.append(i)

s.sort()

print(sum(s[1:len(s)-1]) / (len(s)-2))

65. a = input()

d = dict()

**for** i **in** a:

d[i] = d.get(i,0)+1

print(d)

66. d1 = {**"name"**:**"liyichen"**,**"school"**:**"suzhou"**}

d2 = {**"name"**:**"zry,"**,**"school"**:**"suzhou"**}

s1 = set(d1.keys())

s2 = set(d2.keys())

s = s1 & s2

print(s)

67. a = {**"name1"**:**"lyc"**,**"age1"**:**"23"**}

b = {**"name2"**:**"zry"**,**"age2"**:**"23"**}

lst1 = a.items()

lst2 = b.items()

**for** i **in** lst1:

**for** j **in** lst2:

**if** i[1] == j[1]:

z = i[0]+**","**+j[0]

print(z)

**68. def** name\_sort(dict1):  
 list1 = list(dict1.items())  
 list1.sort(key=**lambda** x: x[0])  
 **return** list1  
  
**def** num\_sort(dict1):  
 list2 = list(dict1.items())  
 list2.sort(key=**lambda** x: x[1])  
 **return** list2  
  
**def** main():  
 n = int(input(**'输入几组雇员姓名和编号？'**))  
 dict1 = {}  
 **for** i **in** range(n):  
 name = input(**'请输入雇员姓名:'**)  
 num = input(**'请输入雇员编号:'**)  
 dict1[name] = num  
 print(**"按姓名排序："**)  
 list1 = name\_sort(dict1)  
 **for** j **in** list1:  
 print(**"{}:{}"**.format(j[0], j[1]))  
 list2 = num\_sort(dict1)  
 print(**"按编号排序："**)  
 **for** k **in** list2:  
 print(**"{}:{}"**.format(k[1], k[0]))  
main()

**69. import** random

N = int(input())

a = [random.randint(1,1000) **for** i **in** range(N)]

b = set(a)

c = list(sorted(b))

print(c)

**70. import** random

a = set()

b = set()

**while** len(a) < 201 **or** len(b) < 201:

n1 = random.randint(0,500)

n2 = random.randint(0,500)

a.add(n1)

b.add(n2)

count = 0

**for** i **in** a-b **or** i **in** b-a:

print(**"{:5d}"**.format(i),end=**""**)

count += 1

**if** count % 10 == 0:

print(**""**)

print(**""**)

s = 0

**for** i **in** a&b:

print(**"{:5d}"**.format(i),end=**""**)

s += 1

**if** s % 10 == 0:

print(**""**)

**71. import** random

a = set(random.randint(0,1000) **for** i **in** range(100))

b = set(random.randint(0,1000) **for** i **in** range(100))

count = 0

**for** i **in** a:

print(**"{:5d}"**.format(i),end=**""**)

count += 1

**if** count % 10 == 0:

print()

print()

s = 0

**for** k **in** b:

print(**"{:5d}"**.format(k),end=**""**)

s += 1

**if** s % 10 == 0:

print()

print()

c = a | b

d = a & b

q = 0

**while** q < 3:

f = input()

g = input()

q += 1

**if** c != f **or** d != g:

print(**"False"**)

**else**:

print(**"True"**)

print(c)

print(d)

72. infile = open(**"copy.txt"**,**"r"**)  
outfile = open(**"new.txt"**,**"w"**)  
a = infile.readline()  
**while** a != **""**:  
 outfile.writelines(a)  
 a = infile.readline()  
infile.close()  
outfile.close()

73. infile = open(**"cat2.txt"**,**"r"**)  
outfile = open(**"cat1.txt"**,**"a"**)  
a = infile.readlines()  
**while** a != **""**:  
 outfile.writelines(a)  
 a = infile.readline()  
infile.close()  
outfile.close()

74. **import** re  
  
infile = open(**"StrInts.txt"**,**"r"**)  
outfile = open(**"ResultInts.txt"**,**"w"**)  
  
num = []  
d = []  
  
b = list(int(i) **for** i **in** re.findall(**r"[-]\*\d+"**,**""**.join(infile.readlines())))  
**for** i **in** b:  
 c = list(str(abs(i)))  
 **for** j **in** range(len(c)):  
 **if** (len(c) % 2 == 0 **and** j % 2 == 0 **and** int(c[j]) % 2 != 0) **or** (len(c) % 2 != 0 **and** j % 2 != 0 **and** int(c[j]) % 2 != 0):  
 d.append(i)  
 **if** d.count(i) == int(len(c) // 2) **and** len(c) > 1:  
 num.append(i)  
 d = []  
count = 1  
**for** i **in** num:  
 **if** count % 3 == 0:  
 outfile.write(**"{:>8s}"**.format(str(i))+**'\r\n'**)  
 **else**:  
 outfile.write(**"{:>8s}"**.format(str(i)))  
 count += 1  
  
infile.close()  
outfile.close()

75. **import** re  
  
infile = open(**"students\_data.txt"**,**"r"**)  
  
a = infile.readline()  
c = []  
num = int(input())  
**while** a != **""**:  
 b = tuple(a.split(**" "**))  
 **if** num <= int(b[0]):  
 c.append(b)  
 a = infile.readline()  
d = sorted(c,key=**lambda** x:int(x[0]))  
**for** i **in** range(len(d)):  
 e = list(d[i])  
 print(**"{:10s}{:15s}{:<5s}"**.format(e[0],e[1],e[2]) +**'\n'**)  
  
infile.close()

76. **import** re  
  
infile = open(**"Numbers.txt"**,**"r"**)  
outfile = open(**"Sort.txt"**,**"a+"**)  
  
num = []  
a = infile.readline()  
  
**while** a != **""**:  
 num.append(float(a))  
 a = infile.readline()  
num.sort()  
print(num)  
  
**for** i **in** num:  
 outfile.write(str(i) + **'\r\n'**)  
  
average = sum(num) / len(num)  
**for** i **in** num:  
 s = 0  
 s += (average - i)\*\*2  
b = s / len(num)  
outfile.write(str(average) + **'\n'**)  
outfile.write(str(b) + **'\n'**)  
  
infile.close()  
outfile.close()

77. **import** os  
  
a = os.path.join(os.getcwd(),**"folder"**)  
outfile = open(os.path.join(a,**"merge.txt"**),**"w"**)  
  
b = []  
**for** i **in** os.listdir(a):  
 infile = open(os.path.join(a,i),**"r"**)  
 c = infile.readline()  
 **while** c != **""**:  
 outfile.writelines(c.strip(**'\n'**) + **'\n'**)  
 c = infile.readline()  
 infile.close()  
outfile.close()

78. infile = open(**"word.txt"**,**"r"**)  
outfile = open(**"new\_word.txt"**,**"w"**)  
  
a = []  
  
word = infile.readline()  
**while** word != **""**:  
 **if** list(word)[0] **in "aeiouAEIOU"**:  
 a.append(word)  
 word = infile.readline()  
**for** i **in** a:  
 outfile.writelines(i)  
  
infile.close()  
outfile.close()

79. infile = open(**"Names.txt"**,**"r"**)  
outfile = open(**"new\_Names.txt"**,**"w"**)  
  
num = []  
  
a = infile.readline()  
**while** a != **""**:  
 num.append(a)  
 a = infile.readline()  
word = input()  
num.append(word)  
num.sort()  
**for** i **in** num:  
 outfile.write(str(i) + **'\n'**)  
  
infile.close()  
outfile.close()

80. **import** linecache  
  
infile = open(**"bigfile.txt"**,**"rb"**)  
  
count = 1  
a = infile.readlines()  
**for** i **in** a:  
 asc = list(i)  
 **for** j **in** range(len(i)):  
 **if** asc[j] == 10:  
 count += 1  
print(count)  
  
line = int(input())  
print(linecache.getline(**"bigfile.txt"**,line))  
  
infile.close()