#task 7  
  
res = [i for i in open('D:\d.txt', 'r', encoding='utf-8').read().splitlines() if int(i) % 2 == 0 and int(i) % 3 == 0 and int(i) % 7 != 0 ]  
with open('D:\g.txt', 'w') as sf:  
 print('\n'.join(map(str,reversed(res))), file=sf)  
  
  
#task 11  
"""  
f = open('D:\d.txt')  
x=f.read()  
f.close()  
x=x.split()  
y=0  
g=[]  
h=[]  
for i in x:  
 z=int(i)%2  
 if z==0:  
 g.append(i)  
 if z!=0:  
 h.append(i)  
g\_file = open("D:\g.txt", "w")  
h\_file = open("D:\h.txt", "w")  
g\_file.write(str(g))  
h\_file.write(str(h))  
g\_file.close()  
h\_file.close()  
"""  
  
#task 15  
"""  
a = [int(i) for i in open('D:\d.txt').read().splitlines()]  
neg = []  
pos = []  
g = []  
h = []  
for i in range(1, len(a)):  
 if (a[i] > 0 and a[i+1] > 0) or (a[i] < 0 and a[i+1] < 0):  
 g.append(a[i])  
 g.append(a[i+1])  
 for i in a:  
 while i < 0:  
 pos.append(i)  
 i.append(i)  
 break  
 pos.sort()  
 neg.sort()  
  
 h.append(pos)  
 h.append(neg)  
 break  
"""