a={1,2,3}

#a

print("<a>------")

a.add(4)

a.add(5)

a.add(6)

print(a)

#b

print("<b>------")

b={7,8,9,10}

x1=a.union(b)

print(x1)

#c

print("<c>------")

x2=a.intersection(x1)

print(x2)

#d

print("<d>------")

c={5,6}

x3=a.difference(c)

print(x3)

#e

print("<e>------")

x4=a.symmetric\_difference(x1)

print(x4)

#f

d={1,2,3,4,5,6}

print("<f>------")

d.clear()

print(d)