```python
#-----------------------------------------------------
# Groupe : SP1
# Chp 2 : POO Partie 1
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#-----------------------------------------------------
class Rectangle:
   def __init__(self,long,larg,nom):
       self.largeur = larg
       self.longueur = long
       self.nom = nom

   def calculer_surface(self):
       s = self.largeur * self.longueur
       return s
   def __del__(self):
       print("destruction de :"+self.nom)

rectangle1 = Rectangle(5,3,"r1")
print(rectangle1.calculer_surface())
rectangle2 = Rectangle(4,6,"r2")
print(rectangle2.calculer_surface())
del rectangle2
rectangle1 = 5
Rectangle(4,6,"r3")
#-----------------------------------------------------
class voiture:
   def __init__(self,marque=''):
       if marque == '':
           marque = input("marque ?: ")
       self.marque = marque
   def demarrer(self):
       print("La voiture démarre!")
   def arreter(self):
       print("La voiture s'arrête!")
v1 = voiture('kia')
v1.demarrer()
v1.arreter()
#-----------------------------------------------------
class point:
   def __init__(self,x,y,nom):
       self.x = x
       self.y = y
       self.nom = nom

n = 10
L = []

for i in range(n):
   L.append(point(i,i+1,str(i)))

from math import sqrt
def distance(p1,p2):
   assert type(p1) == point
   assert type(p2) == point
   return sqrt((p1.x-p2.x)**2 + (p1.y-p2.y)**2)

for i in range(n-1):
   for j in range(i+1,n):
       d= distance(L[i],L[j])
       print("{} - {}={}"\
             .format(L[i].nom,L[j].nom,d))
#-----------------------------------------------------
```