11

return p_copy

```
Exercice 1
                5 points
  1. c.
  2. b.
  3. b.
  4. b.
  5. b.
Exercice 2
                3 points
     p.empile(a)
    p.empile(b)
    a = p.depile()
 4 b = p.depile()
Exercice 3
                4 points
 1
     class Pile:
 2
         def __init__(self):
 3
              self.data = []
 4
         def est_vide(self):
 5
 6
              return len(self.data) == 0
 7
 8
         def empile(self,x):
 9
              self.data.append(x)
10
11
         def depile(self):
              if self.est_vide() == True :
12
13
                  raise IndexError('pile_vide_')
14
15
                  return self.data.pop()
Exercice 4
                8 points
  1.
          def inverse(p):
      1
      2
              f = File()
      3
              while not p.est_vide():
                   elt = p.depile()
      4
      5
                   f.enfile(elt)
      6
              while not f.est_vide():
      7
                   elt = f.defile()
                   p.empile(elt)
  2.
      1
          def copie(p):
              p_temp = Pile()
      2
              p_copy = Pile()
      3
              while not p.est_vide():
      4
      5
                   elt = p.depile()
                   p_temp.empile(elt)
      6
              while not p_temp.est_vide():
      7
                   elt = p_temp.depile()
      8
      9
                   p_copy.empile(elt)
     10
                   p.empile(elt)
```