Piles_Files_Exercices_Corrigé

Sujets bac

Exercice 1: Piles et langage Python

```
2.1
                                         2.2
1
           def hauteur_pile(P):
                                         def max_pile(P,i):
  8
               Q = creer_pile_vide()
                                             # si la pile comporte moins de i élément ou que i=0 on renvoie 0
  5
               n = 0
                                             if i > hauteur_pile(P) or i==0:
               while not est_vide(P):
  2
                                                  return 0
                   n = n + 1
                                             maxi = depiler(P)
  4
                   x = depiler(P)
                                             Q = creer_pile_vide()
                   empiler(Q,x)
                                             empiler(Q,maxi)
               while not est_vide(Q):
                                             j = 1
                   x = depiler(Q)
                                             indice = 1
                   empiler(P,x)
                                             while j < i:
               return n
                                                 j = j + 1
                                                  x = depiler(P)
                                                  if x > maxi:
                                                     maxi = x
                                                     indice = j
                                                  empiler(Q,x)
                                             while not est_vide(Q):
                                                  empiler(P, depiler(Q))
                                              return indice
 3
   def retourner(P, j):
                                                        def tri_crepes(P):
       Q1 = creer_pile_vide()
                                                            N = hauteur_pile(P)
       Q2 = creer_pile_vide()
                                                            i = N
       i = 0
                                                            while i > 1:
       while not est_vide(P) and i < j:
                                                                 j = max_pile(P,i)
           i = i + 1
                                                                 retourner(P,j)
           x = depiler(P)
                                                                 retourner(P,i)
           empiler(Q1, x)
                                                                 i = i -1
       while not est_vide(Q1):
           x = depiler(Q1)
           empiler(Q2, x)
       while not est_vide(Q2):
           x = depiler(Q2)
           empiler(P, x)
```

Exercice 2: Piles et files

```
file

def ajouter(lst,proc):
    lst.append(proc)

ps4
    ps5
    ps6
    p1    p2
```