

Question 1

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Question 2

Type de tri :

mystere1 :

mystere2 :

mystere3 :

mystere4 :

mystere5 :

Question 3

```
def mystere1(tab,i,j):
    g =i+1
    d=j
    p=tab[i]
    while g<=d :
        while d>=0 and tab[d]>p:
            d=d-1
        while g<=j and tab[g]<=p:
            g=g+1
        if g<d :
            tab[g],tab[d]=tab[d],tab[g]
            d=d-1
            g=g+1
    k=d
    tab[i],tab[d]=tab[d],tab[i]
    return k

def mystere2(tab,i,j):
    if i<j :
        k = mystere3(tab,i,j)
        mystere4(tab,i,k-1)
        mystere5(tab,k+1,j)
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Question 4

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Question 5

DS 2

Question 6

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Question 7

Question 8

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def enveloppe_convexe(tab):  
    es = creer_pile()  
    ei = creer_pile()  
    for i in range (len(tab)):  
        enveloppe_Inf(tab,ei,i)  
        enveloppe_Sup(tab,es,i)  
    pop(es)  
    while (not(est_vide(es))):  
        push(ei,pop(es))  
    pop(ei)  
    return (ei)
```