

Épreuve pratique d'informatique	Date : 25 mai 2017 S12	Sections : Maths, Sciences expérimentales et S.Techniques
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```
from numpy import array
```

```
def saisie():
```

```
    valid=False
```

```
    while (valid==False):
```

```
        N = int ( input("Donner la taille du tableau :") )
```

```
        valid = ( ( N >= 3 ) & ( N <= 15 ) )
```

```
    return N
```

```
def remplissage ( N,T ) :
```

```
    for i in range ( N ) :
```

```
        T[i] = int(input("Saisir l'element de la case " +str(i)+" "))
```

```
def affichage ( T , N ) :
```

```
    nb=0
```

```
    i=0
```

```
    ch=""
```

```
    while ( i < N ) :
```

```
        nbseq = 0
```

```
        j=i
```

```
        Test=True
```

```
        while ( Test == True ) & ( j < N ) & ( T[i]%2==0 ) :
```

```
            if ( T[j] % 2 == 0 ) :
```

```
                j = j+1
```

```
                nbseq = nbseq + 1
```

```
            else :
```

```
                Test = False
```

```
        if ( nbseq >= 2 ) :
```

```
            for k in range ( i , j ) :
```

```
                ch = ch + str(T[k]) + ","
```

```
                print(ch)
```

```
            ch=ch[0:len(ch)-1)+"\n"
```

```
            nb=nb+1
```

```
        i=j+1
```

```
    print( "Le nombre de sequences pairs de ce tableau est ",nb, "qui sont : " )
```

```
    print(ch)
```

```
N=saisie()
```

```
T=array([int()]*N)
```

```
remplissage (N,T)
```

```
affichage ( T,N )
```