```
x=0;y=0;z=0;i=0;j=0;k=0;cer=0;lin=0
c=open('D:\\piece 1.txt', 'r')
f=open('D:\\resultat 1.txt', 'a')
s=open('D:\\tab 1.txt', 'a')
for bloc in c:
    bloc.split()
    f.write(str(bloc))
    if 'G1' in bloc.split():
            txt='intepolation linéaire :'
            lin=lin+1
    elif 'G2' in bloc.split():
            txt='intepolation circulaire sens + :'
            cer=cer+1
    elif 'G3' in bloc.split():
            txt='intepolation circulaire sens - :'
            cer=cer+1
    for mot in bloc.split():
        if 'X' in mot:
            x =mot[1:]
        if 'Y' in mot:
            y =mot[1:]
        if 'Z' in mot:
            z =mot[1:]
        if 'I' in mot:
            i =mot[1:]
        if 'J' in mot:
            j =mot[1:]
        if 'K' in mot:
            k =mot[1:]
    if 'G1' in bloc.split():
        f.write (txt +' ' + 'x=' + str(x) + ' ' + 'y=' + str(y) + ' ' + 'z=' + str(z) + '\n')
        s.write (str(x) +' '+ str(y) + ' ' + str(z) + '\n')
```

```
    elif'G2'in bloc.split():
        f.write(txt + ' ' + 'x=' + str(x) + ' ' + 'y=' + str(y) + ' ' + 'z=' + str(z) + ' ' + 'i=' + str(i) + ' '
                + 'j=' + str(j) + ' ' + 'k=' + str(k) + '\n')
        s.write(str(x) + ' ' + str(y) + ' ' + str(z) + ' ' + str(i) + ' ' + str(j) + ' ' + str(k) + '\n')
    elif'G3'in bloc.split():
        f.write(txt + ' ' + 'x=' + str(x) + ' ' + 'y=' + str(y) + ' ' + 'z=' + str(z) + ' '
              + 'i=' + str(i) + ' ' + 'j=' + str(j) + '  ' + 'k=' + str(k) + '\n')
        s.write(str(x) + ' '+str(y)+' '+str(z)+' '+str(i)+' '+str(j)+' '+str(k)+'\n')
f.write('\n' + 'déplacements linéaires =' + '  ' + str(lin)+'\n' +'déplacements circulaires =' + '  ' +
str(cer) + '\n')

f.close();s.close();c.close()
```