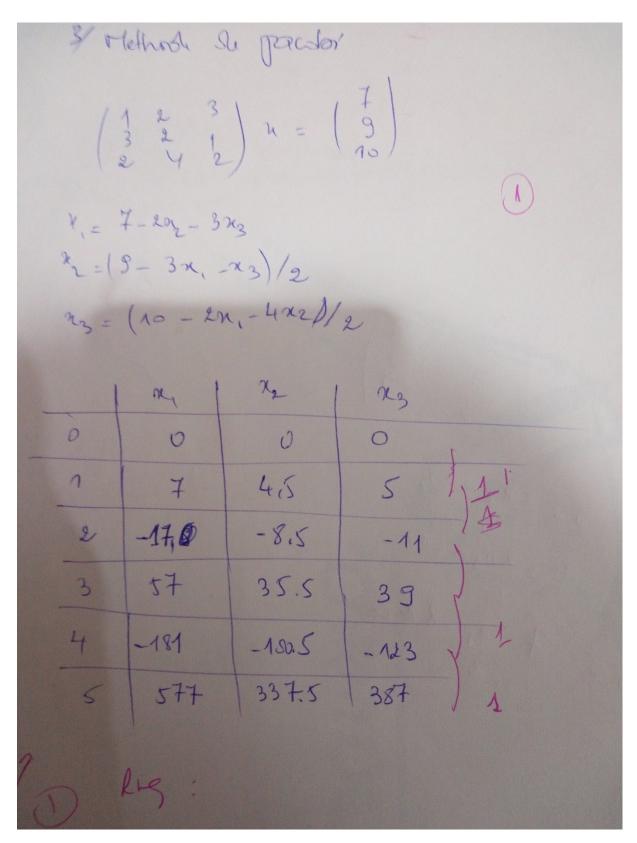
$= \frac{1}{3} = \frac{1}{4} = \frac{$ 1/ Mithode de Ganss 12-3L1 1 2 3 1 1/2 = 312 14 1 2 = 312 14 1 2 = 312 L2/-4 ( 0 1 2 ) ( 2 ) = ( 3 ) L3/-4 ( 0 0 1 ) ( 2 ) = ( 3 ) Par substitution arriere [23=1] N= (1)



Rmq: le système diverge (ne converge pas vers une solution unique.

Exo 02: /15 pour le Tp et /5 pour l'examen, le barème est pour le test.

```
""" Déclarations 1pt """
import numpy as np
n=int(input("Entrer l'ordre de la matrice : "))
                                                    """ Solution du système: 5pt """
                                                    x=np.ones(n)
a=np.ones((n,n))
                                                    s=0
""" Lire la matrice a :1pt """
                                                    for i in range (n):
print ("entrer les éléments de la matrice a : ")
                                                       s=0
for i in range (n):
                                                       for j in range (i):
   for j in range (n):
                                                         s=s+x[j]*a[i,j]
     a[i,j] =
                                                       x[i]=y[i]-s
int(input("a["+str(i)+","+str(j)+"]:"))
""" Lire le tableau y : 1pt """
                                                    """ Afficher x: 1pt """
                                                    for i in range (n):
y=np.ones(n)
print ("entrer les éléments du tableau y : ")
                                                       print("x",i,"=", x[i])
for i in range (n):
                                                    """ Vérification: 1pt """
  y[i] = int(input("y["+str(i)+"]:"))
                                                    sol==np.linalg.solve(a,y)
""" Diagonale 1 : 2pt """
                                                    for i in range (n): print(sol)
for i in range (n):
   a[i,i] = 1
""" Au-dessus diagonale 0 : 2pt """
for i in range (n):
   for j in range (n):
     if (i < j): a[i,j] = 0
""" Afficher a sous forme matricielle: 1pt """
for i in range (n):
  print()
   for j in range (n):
      print (a[i,j], end = " ")
```