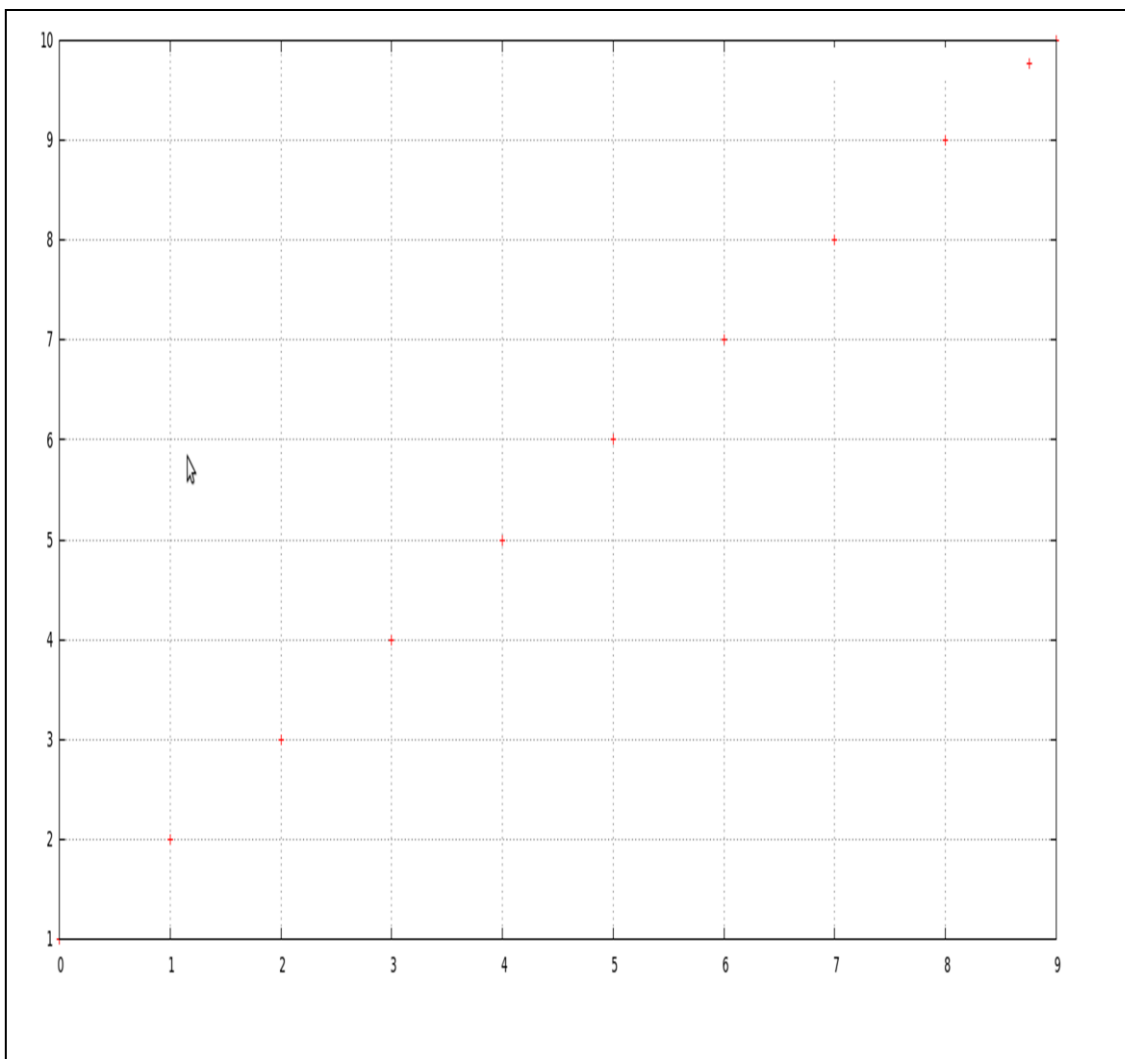


Ex1

```
program valeurs
  real x,y
  integer i
  open(30,file='XY.dat')
do 10 i=1,10
  write(*,*)'entrer les valeurs de x,y: '
  read(*,*)x,y
  write(30,*)x,y
10 continue
end
```

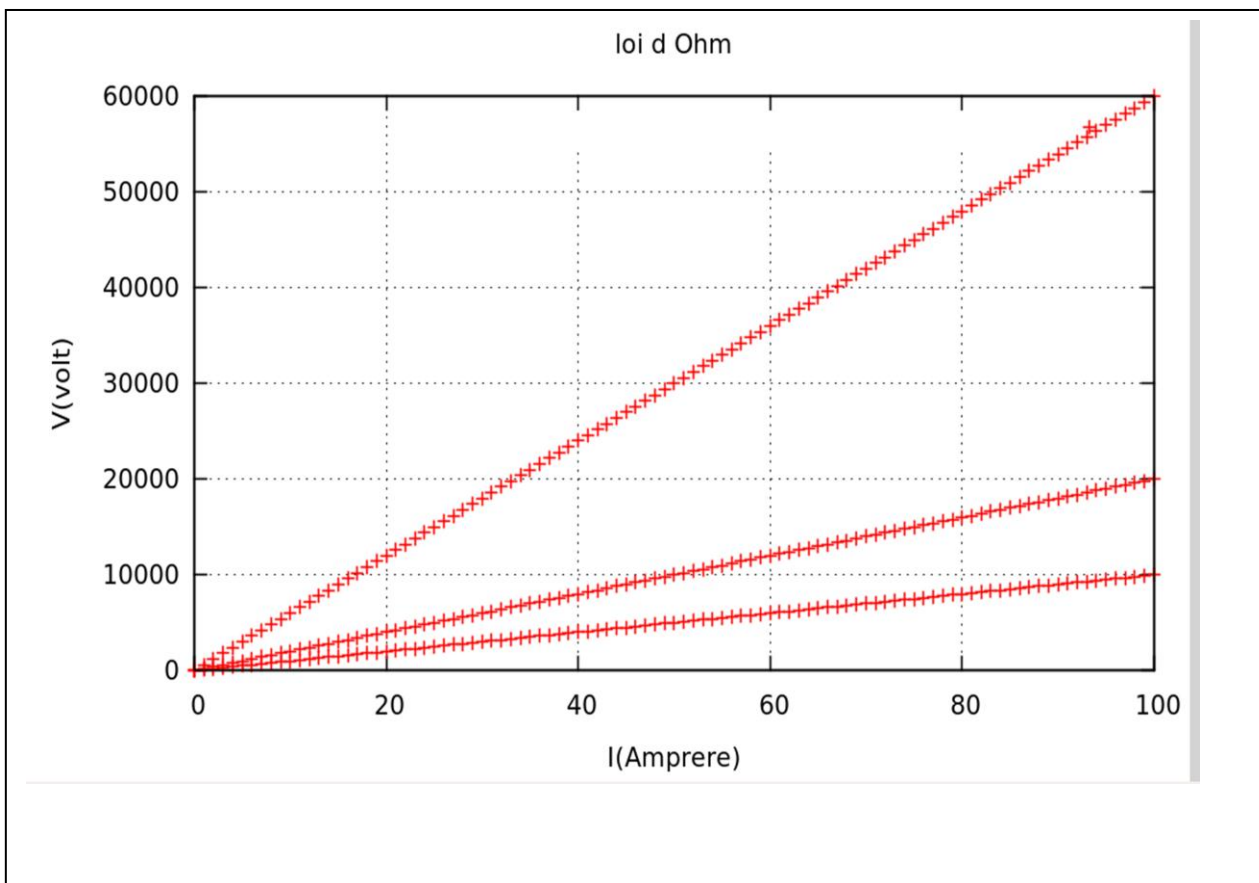
Gnuplot :



```

program loidohm
implicit none
real R,V
integer i,j
open(30,file='VR.dat')
R=100
do 1 j=1,3
R=R*float(j)
do 2 i=0,100
V=R*i
write(30,*)i,V
2 continue
write(30,*)' '
1 continue
end

```



EX 3

```
real a,b,c,D,x1,x2
write(*,*)'donner les valeurs de a,b,c'
read(*,*)a,b,c
D=b**2-4*a*c
if(D.LT.0)then
write(*,*)'pas de racine dans R'
else
if(D.EQ.0)then
x1=-b/(2*c)
write(*,*)'racine double x1=x2= ',x1
else
x1=(-b+SQRT(D))/(2*a)
x2=(-b-SQRT(D))/(2*a)
write(*,*)'racines distinctes x1 = ',x1
write(*,*)'et x2 = ',x2
endif
endif
end
```