

MEAN AND VARIANCE

```
disp("no. of observation");
n=input("");
disp("Enter the value of x");
for i=1:n
    X(1,i)=input("\n");
end
disp("Enter no. of frequency");
for j=1:n
    F(1,j)=input("\n");
end
disp("Mean of the distribution is");
m=sum(F.*X)/sum(F)
disp(m);
for i=1:n
    P(1,i)=sum(F)*exp(-m)*m^(X(i))/factorial(X(i));
end
disp("Expected frequencies are");
disp(P);
plot2d(X,P);
```

LAMBDA

```
clc
Disp("mean of the distribution is")
M=input('/')
Disp("enter no. Of observations")
N=input('/')
Disp("Enter value of x")
For i=1:n
X(1,i)=input('/')
End
Disp("enter no. Of frequency")
For j=1:n
F(1,j)=input('/')
End
For i=1:n
P(1,i)=sum(F)*exp(-m)*m^(X(i))/factorial(X(i))
End
Disp("expected frequencies are")
Disp(P)
plot2d(X,P)
```