

```

%y=ax^b
x1=[2,3,4,5];
y1=[27.8,62.1,110,161];
y2=log(y1);
x2=log(x1);
xi=sum(x2);
yi=sum(y2);
c=x2.*y2;
xiyi=sum(c);
xi2=sum(x2.*x2);
yi2=sum(y2.*y2);
n=length(x2);
a=[n,xi;xi,xi2];
b=[yi;xiyi];
X=linsolve(a,b);
a1=X(1);
b1=X(2);
a2=exp(a1);
x3=1:1:100;
y=a2+(x3.^b1);
plot(x3,y,"--");

```

