```matlab
%y=ab^x
x2=[1,2,3,4,5,6,7];
y1=[4.46,4.57,4.72,4.85,5.30,5.27,5.26];
y2=log(y1);
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);
b2=exp(b1);
x3=1:1:100;
y=a2*(b2.^x3);
plot(x3,y,"--");
```