```
#include<graphics.h>
#include<math.h>
int x[4],y[4];
void bezier(int x[4],int y[4])
int gd=DETECT,gm,i;
double t,xt,yt;
initgraph(&gd,&gm," ");
for(t=0.0;t<1.0;t+=0.0005)
xt = pow((1.0-t),3)*x[0] + 3*t*pow((1.0-t),2)*x[1] + 3*pow(t,2)*(1.0-t)*x[2] + pow(t,3)*x[3];
yt=pow((1.0)-t,3)*y[0]+3*t*pow((1.0)-t,2)*y[1]+3*pow(t,2)*(1.0-t)*y[2]+pow(t,3)*y[3];
putpixel(xt,yt,4);
delay(5);
}
for(i=0;i<4;i++)
putpixel(x[i],y[i],5);
circle(x[i],y[i],2);
delay(2);
}
getch();
closegraph();
}
int main()
int i,x[4],y[4];
printf("Enter the four control points : ");
for(i=0;i<4;i++)
scanf("%d %d",&x[i],&y[i]);
bezier(x,y);
}
```

