

PARABOLA



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////////////////////////////////////  
/////////////////LA PARABOLA ///////////////////  
////////////////////////////////////  
// creating variables 6: x1,y1,x2,y2,x3,y3  
// the y variables must be able to be decimal  
n=n+1  
xx1=x1*x1  
xx2=x2*x2  
xx3=x3*x3  
D=(xx1*x2)+(x1*xx3)+(xx2*x3)-(x2*xx3)-(x1*xx2)-(xx1*x3)  
DA=(y1*x2)+(x1*y3)+(y2*x3)-(x2*y3)-(x1*y2)-(y1*x3)  
DB=(xx1*y2)+(y1*xx3)+(xx2*y3)-(y2*xx3)-(y1*xx2)-(xx1*y3)  
DC=(xx1*x2*y3)+(x1*y2*xx3)+(y1*xx2*x3)-(y1*x2*xx3)-(y3*x1*xx2)-(y2*xx1*x3)  
a=DA/D  
b=DB/D  
c=DC/D  
y=(a*(n*n))+(b*n)+c  
return y  
////////////////////////////////////FINE////////////////////////////////////
```