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draw and plot 8 symmetric points

x remains same, y = y – 1 p = p + 2\*(x - y) + 1

x = x + 1, y remains same p = p + 2\*x + 1

Is p<0

Is x<y

Calculate p = 1-r

Initialize first points x=0, y=r

Input xc,yc,r

Declare variables xc,yc,r,x,y,p