Problem Statement

Write a program that uses the Midpoint Ellipse Drawing Algorithm to draw an ellipse in a graphics window. The user should provide the center coordinates and the horizontal and vertical radii (rx and ry) of the ellipse as input. The program must compute all points on the ellipse using the Midpoint Ellipse Drawing Algorithm and render the shape using the graphics library. The implementation should utilize symmetry and decision parameters to efficiently plot the ellipse with pixel precision.