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CP.4.5.1.b, Sauer3

Apply the Gauss–Newton Method to find the point (\bar{x}, \bar{y}) for which the sum of the squared distance to the three circles below is minimized. Use initial vector $(x_0, y_0) = (0, 0)$.

Circles with centers (-1,0), (1,1), (1,-1) and all radii 1.