Given that a quadratic curve passes through (x_1, y_1), (x_2, y_2) and (x_3, y_3), the equation of the curve is given as:

$$y = \frac{x_1y_3 + x_2y_1 + x_3y_2 - x_1y_2 - x_2y_3 - x_3y_1}{x_1^2x_2 + x_2^2x_3 + x_3^2x_1 - x_1^2x_3 - x_2^2x_1 - x_3^2x_2}x^2 + \frac{x_1^2y_2 + x_2^2y_3 + x_3^2y_1 - x_1^2y_3 - x_2^2y_1 - x_3^2y_2}{x_1^2x_2 + x_2^2x_3 + x_3^2x_1 - x_1^2x_3 - x_2^2x_1 - x_3^2x_2}x + \frac{x_1^2x_2y_3 + x_2^2x_3y_1 + x_3^2x_1y_2 - x_1^2x_3y_2 - x_2^2x_1y_3 - x_3^2x_2y_1}{x_1^2x_2 + x_2^2x_3 + x_3^2x_1 - x_1^2x_3 - x_2^2x_1 - x_3^2x_2}$$