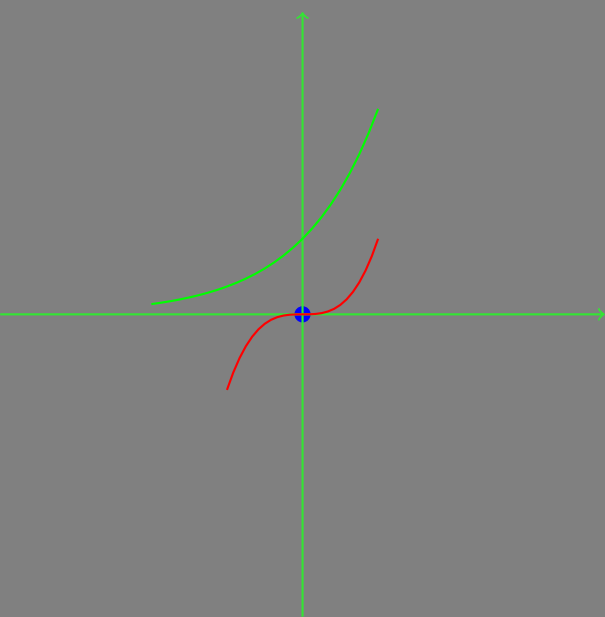


Assume we solve the matrix and find a_0, a_1, a_2, a_3

$$f(x) = a_0 + a_1x + a_2x^2 + a_3x^3$$



$$(x_1 + y_1i)(x_2 + y_2i) = x_1x_2 + x_1y_2i + x_2y_1i - y_1y_2 = x_1x_2 - y_1y_2 + (x_1y_2 + x_2y_1)i$$