

# Engineering Software Laboratory (ME69003)

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## Problem Statement

Solve the given two simultaneous equations using the Multivariable Newton-Raphson method in Excel

$$x^2 + y^2 - 5 = 0$$

$$x^3 + y^3 - 2 = 0$$

Initial guess for x is

$$x_0 = 2$$

Initial guess for y is

$$y_0 = -1$$