Runge Kutta Mivel countro

$$Y_{k+1} = Y_{K} + \frac{1}{6} (K_{1} + 2K_{2} + 2K_{3} + K_{4})$$

$$K_{1} = f(X_{K}, Y_{K})h$$

$$K_{2} = f(X_{K} + \frac{h_{2}}{2}) Y_{K} + \frac{h_{2}}{2} K_{1} h$$

$$K_{3} = f(X_{K} + \frac{h_{2}}{2}) Y_{K} + \frac{h_{2}}{2} K_{2} h$$

$$K_{4} = f(X_{K} + h_{1}) Y_{K} + h_{1} K_{3} h$$

$$X_{0} = 0 \quad h = 0.2 \quad Y_{0} = 1$$

$$Y_{1} = Y_{0} + \frac{1}{6} (K_{1} + 12K_{2} + 2K_{3} + K_{4}); \quad f(X_{1}y) = X + Y - 1$$

$$K_{1} = f(0, 1) b_{1} \lambda_{2}$$

$$= (0 + 1 - 1)(0.2)$$

$$K_{1} = 0$$

$$K_{2} = f(X_{0} + \frac{h_{2}}{2}) Y_{0} + \frac{h_{2}}{2} K_{1} h$$

$$= f(0 + \frac{0.2}{2}, 1 + \frac{0.2}{2} (0))(0.2)$$

$$= f(0.1, 1)(0.2)$$

$$K_{1} = 0.02$$