/Users/rekerok/Proga/Numerical-methods/venv/bin/python /Users/rekerok/Proga/Numerical-methods/Lab15/lab15.py
Численное решение с помощью метода R - K, r = 1
Вычисления для задачи Коши z1(x)
x1_i = 0.5   z1_xi = 1   s1_xi = 0.5
x1_i = 0.6000000000000001   z1_xi = 1.05   s1_xi = 1.6777777777777778
x1_i = 0.7000000000000001   z1_xi = 1.2177777777777778   s1_xi = 3.2150031387319524
x1_i = 0.8   z1_xi = 1.5392780916509732   s1_xi = 5.129202416337397
x1_i = 0.9   z1_xi = 2.052198333284713   s1_xi = 7.444726973702196
x1_i = 1.0   z1_xi = 2.7966710306549327   s1_xi = 10.191238622260176

Вычисления для задачи Коши z2(x)
x2_i = 0.5   z2_xi = 2   s2_xi = 0.5
x2_i = 0.6000000000000001   z2_xi = 2.05   s2_xi = 1.8555555555555556
x2_i = 0.7000000000000001   z2_xi = 2.2355555555555555   s2_xi = 3.621531701192718
x2_i = 0.8   z2_xi = 2.5977087256748272   s2_xi = 5.8153804348413285
x2_i = 0.9   z2_xi = 3.17924676915896   s2_xi = 8.462817774714514
x2_i = 1.0   z2_xi = 4.025528546630412   s2_xi = 11.596005764547169

delta = 2.6336246582624714
c = -4.551867182480023

Вычисления для y(x)
x_i = 0.5   y_xi = -3.5518671824800228
x_i = 0.6000000000000001   y_xi = -3.501867182480022
x_i = 0.7000000000000001   y_xi = -3.4150114879463347
x_i = 0.8   y_xi = -3.278557576293732
x_i = 0.9   y_xi = -3.0779764550367137
x_i = 1.0   y_xi = -2.7969251682577703

Проверка:
|0 * -3.5518671824800228 + 1 * 0.5000000000000071 - 0.5| = 7.105427357601002e-15
|1 * -2.7969251682577703 + 1 * 2.810512867789434 - 1| = 0.9864123004683361

Process finished with exit code 0