2. Метод Рунге-Кутты для системы уравнений

r = 1

$$
y(x_{i+1}) = y(x_i) + h * y'(x_i, y_i, z_i) + O(h^2)
$$
$$
z(x_{i+1}) = z(x_i) + h * z'(x_i, y_i, z_i) + O(h^2)
$$

r = 4

$$
\Delta y_i = y(x_{i+1}) - y(x_i) = \frac{1}{6}(k_{1y} + 2k_{2y} + 2k_{3y} + k_{4y})
$$
$$
\Delta z_i = z(x_{i+1}) - z(x_i) = \frac{1}{6}(k_{1z} + 2k_{2z} + 2k_{3z} + k_{4z})
$$

$$
k_{1y} = h * y'(x_i, y_i, z_i)
$$
$$
k_{1z} = h * z'(x_i, y_i, z_i)
$$

$$
k_{2y} = h * y'(x_i + \frac{h}{2}, y_i + \frac{k_{1y}}{2}, z_i + \frac{k_{1z}}{2})
$$
$$
k_{2z} = h * z'(x_i + \frac{h}{2}, y_i + \frac{k_{1y}}{2}, z_i + \frac{k_{1z}}{2})
$$

$$
k_{3y} = h * y'(x_i + \frac{h}{2}, y_i + \frac{k_{2y}}{2}, z_i + \frac{k_{2z}}{2})
$$
$$
k_{3z} = h * y'(x_i + \frac{h}{2}, y_i + \frac{k_{2y}}{2}, z_i + \frac{k_{2z}}{2})
$$

$$
k_{4y} = h * y'(x_i + h, y_i + k_{3y}, z_i + k_{3z})
$$
$$
k_{4z} = h * z'(x_i + h, y_i + k_{3y}, z_i + k_{3z})
$$