appVersion(4) = "0.99.6884.37264"

$$D(t, y, k) := \begin{bmatrix} \frac{k_1 \cdot y_1 \cdot y_2}{k_2 + y_2} \\ -0.75 \cdot \frac{k_1 \cdot y_1 \cdot y_2}{k_2 + y_2} \end{bmatrix}$$

$k := \text{stack}(0.3, 10^{-6})$

$AbsTol := 10^{-8}$ $RelTol := 10^{-8}$

$y_0 := \text{stack}(0.05, 5)$ $t_{min} := 0$ $t_{max} := 20$ $N := 100$

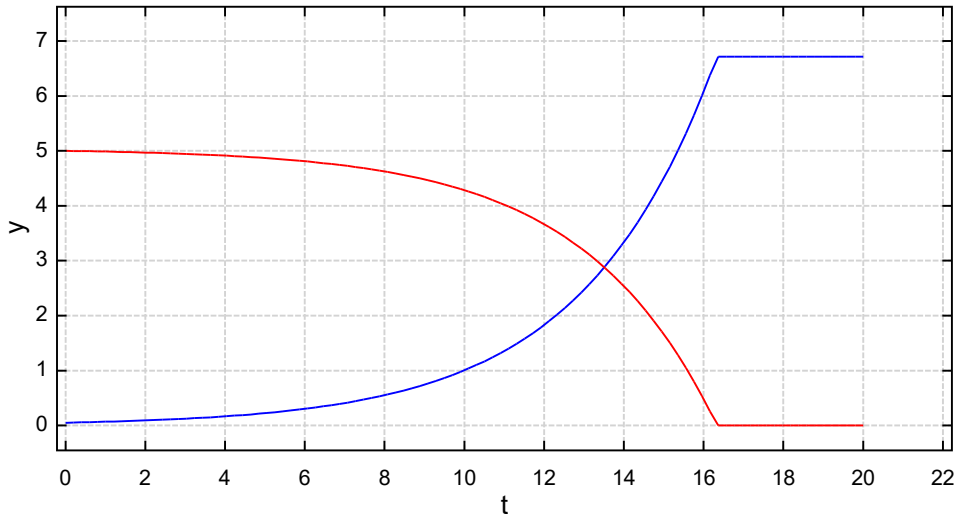
$res := \text{dn\_GearsBDF}(y_0, t_{min}, t_{max}, N-1, D)$

res := dn_ImplicitRK5(y0, tmin, tmax, N − 1, D)

res := dn_AdamsMoulton(y0, tmin, tmax, N − 1, D)

res := dn_ExplicitRK45(y0, tmin, tmax, N − 1, D)

$T := \text{col}(res, 1)$ $Y1 := \text{col}(res, 2)$ $Y2 := \text{col}(res, 3)$



augment(T, Y1)
augment(T, Y2)