$$appVersion(4) = "0.99.6884.37264"$$

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

$k := stack(0.3, 10^{-6})$ $AbsTol := 10^{-4}$ $RelTol := 10^{-4}$

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

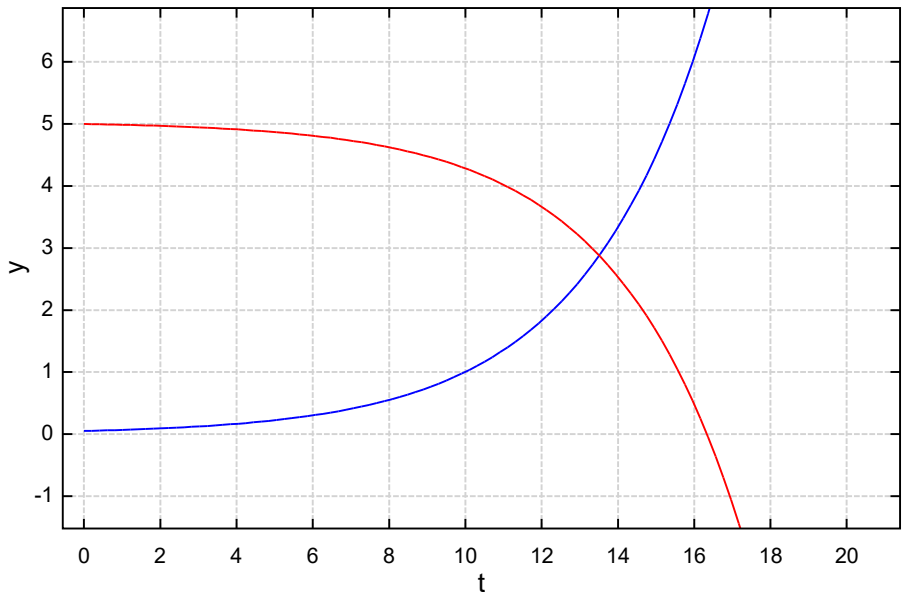
$res := rkfixed(y_0, t_{min}, t_{max}, N-1, D)$

$res := Rkadapt(y_0, t_{min}, t_{max}, N-1, D)$ $res := rkm9mka(y_0, t_{min}, t_{max}, N-1, D)$

$res := mk52lfa(y_0, t_{min}, t_{max}, N-1, D)$ $res := rkm9mkn(y_0, t_{min}, t_{max}, N-1, D)$

$res := mk52lfn(y_0, t_{min}, t_{max}, N-1, D)$ $res := rkm9st(y_0, t_{min}, t_{max}, N-1, D)$

$T := col(res, 1)$ $Y1 := col(res, 2)$ $Y2 := col(res, 3)$



$\begin{cases} augment(T, Y1) \\ augment(T, Y2) \end{cases}$