

```
appVersion(4) = "0.99.6884.37264"
```

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

```
k := stack(0.3, 10-6)   AbsTol := 10-7   RelTol := 10-7
```

```
y0 := stack(0.05, 5)   tmin := 0   tmax := 20   N := 100
```

```
res := gslrk1imp(y0, tmin, tmax, N-1, D, J)
```

```
res := gslrk2imp(y0, tmin, tmax, N-1, D, J)
```

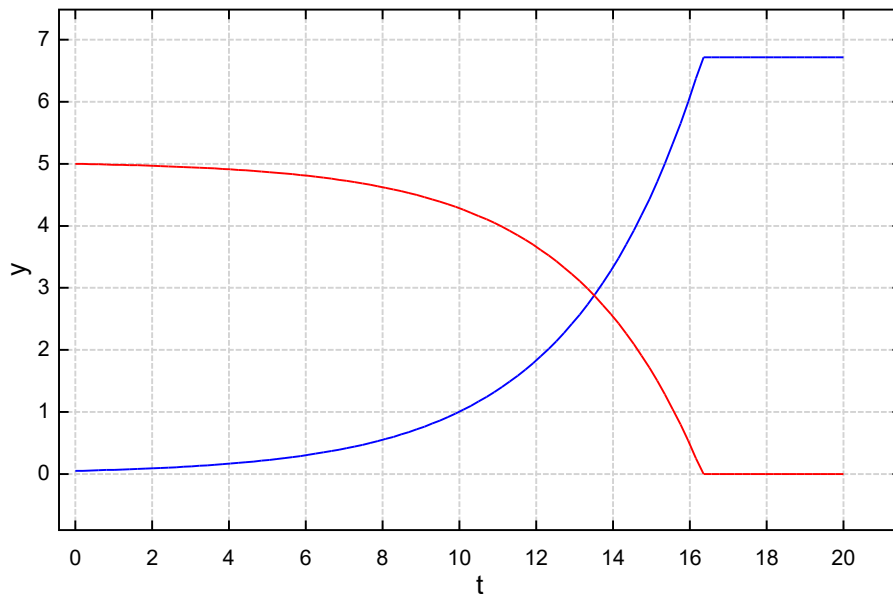
```
res := gslrk4imp(y0, tmin, tmax, N-1, D, J)
```

```
res := gslbsimp(y0, tmin, tmax, N-1, D, J)
```

```
res := gslmsadams(y0, tmin, tmax, N-1, D, J)
```

```
res := gslmsdbf(y0, tmin, tmax, N-1, D, J)
```

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



```
{ augment(T, Y1)
  augment(T, Y2)
```