

# 1 Example FoxH-2\_9\_5.wls

## File content

```
(* (2.9.5) of Kilbas and Saigo 04 *)
{
  (* Upper List *) {
    (* Upper Front List *) {{1-a,1}},
    (* Upper Rear List *) {}
  },
  (* Lower List *) {
    (* Lower Front List *) {{0, 1}},
    (* Lower Rear List *) {}
  }
}
```

## Fox H-function

$$H_{1,1}^{1,1} \left( \begin{matrix} \cdot \\ \cdot \end{matrix} \middle| \begin{matrix} (1-a, 1) \\ (0, 1) \end{matrix} \right)$$

$$H_{1,1}^{1,1} \left( \begin{matrix} \cdot \\ \cdot \end{matrix} \middle| \frac{(1-a, 1)}{(0, 1)} \right)$$

## Summary

$$\begin{aligned} a^* &= 2 \\ \Delta &= 0 \\ \delta &= \text{Indeterminate} \\ \mu &= a - 1 \\ a_1^* &= 1 \\ a_2^* &= 1 \\ \xi &= 1 - a \\ c^* &= 1 \end{aligned}$$

**Poles   1. First ten poles from upper front list**

$$a_{i,k} = \left( \begin{array}{cccccccccccc} a & a+1 & a+2 & a+3 & a+4 & a+5 & a+6 & a+7 & a+8 & a+9 & a+10 \end{array} \right)$$

**2. First ten poles from lower front list**

$$b_{j,\ell} = \left( \begin{array}{cccccccccccc} 0 & -1 & -2 & -3 & -4 & -5 & -6 & -7 & -8 & -9 & -10 \end{array} \right)$$