# 1 Example **FoxH-Cos.wls**

### File content

```
{
  (* Upper List *) {
    (* Upper Front List *) {{1, 1/2}},
    (* Upper Rear List *)  {{1/2, 1/2}}
  },
  (* Lower List *) {
    (* Lower Front List *) {},
    (* Lower Rear List *)  {}
  }
}
```

### Fox H-function

$$H_{2,0}^{0,1}\left(\cdot\,\middle|\,\left(1,\tfrac{1}{2}\right),\left(\tfrac{1}{2},\tfrac{1}{2}\right)\right)$$

$$H_{2,0}^{0,1}\left(\cdot\,\middle|\,\begin{array}{c|c}\left(1,\tfrac{1}{2}\right) & \left(\tfrac{1}{2},\tfrac{1}{2}\right)\\ \hline & \end{array}\right)$$

### Summary

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

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

$$a_{i,k} = \begin{pmatrix} 0 \\ 2 \\ 4 \\ 6 \\ 8 \\ 10 \\ 12 \\ 14 \\ 16 \\ 18 \\ 20 \end{pmatrix}$$

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

$$b_{j,\ell} = \{\{\}, \{\}, \{\}, \{\}, \{\}, \{\}, \{\}, \{\}, \{\}, \{\}, \{\}\}$$