



$$m \sim \text{Bern}(0.5)$$

$$a, b, c, d \sim \text{Unif}(0, 3)$$

$$obs \sim \begin{cases} \text{lhExpo}(a, b) & \text{if } m = 0 \\ \text{lhPow}(c, d) & \text{if } m = 1 \end{cases}$$