Simulated tree for scenario 2

$G_3 = 1$

$G_4 = 0$

$G_4 = 1$

$G_2 = 1$

$G_2 = 0$

$\beta_3 = \log 2$

$\beta_4 = \log 4.5$

$\beta_2 = \log 3.5$

Reference leaf