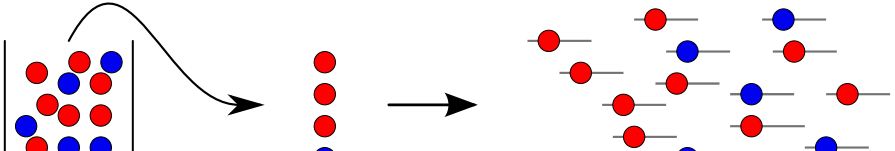

$p = rbeta(\alpha = 1, \beta = 1)$

$g = rbinom(n = 4, prob = p)$

$$P(R^b = 10 | g = 3, \epsilon = 0.01) = \binom{16}{10} \frac{3}{4}^{10} \left(1 - \frac{3}{4}\right)^6$$