

To match moments

$$m = \frac{a}{a+b}$$



$$a = m(a+b)$$

$$b = (a+b) - a$$

$$V = \frac{ab}{(a+b)^2(a+b+1)}$$

$$= \frac{\left(\frac{a}{a+b}\right)\left(\frac{b}{a+b}\right)}{a+b+1} = \frac{m(1-m)}{a+b+1}$$

$$a+b+1 = \frac{m(1-m)}{V}$$

$$a+b = \frac{m(1-m)}{V} - 1$$

$$m = .044$$

$$V = .033^2$$

$$a = 1.65$$

$$b = 35.97$$

← Check