(nitgi-1) Lm(nitgi-1) - nihm ni - (qi-1)hm(qi-1)

(nitgi) hm (nitgi) - nihm ni - qihm qi

gilmgi - nihmni - (gini) hm (fini)

$$\left\{ \left\{ \ln \left(\frac{q_i}{n_i} - a \right) + \frac{q_i}{a} \ln \left(1 - a \frac{n_i}{q_i} \right) \right\} \quad \begin{cases} a = -1 \\ a = n \end{cases}$$

$$a = 0$$

$$\sqrt{\frac{n_i}{2}} = \frac{q_i}{e^{\alpha + \beta \alpha}}$$

$$\sqrt{\frac{n_i}{q_i}} = \frac{1}{e^{\alpha + \beta \alpha}}$$