



$$L(0) = \prod_{i=1}^{m} \binom{m}{i} 0^{\lambda_i} (1-0)^{m-\frac{M}{2}}$$

By natural log,

$$\lim_{i=1}^{m} \ln(L(0)) = \frac{2}{2} \left(\ln(\frac{m}{x_i}) + \frac{1}{2} \ln(0) + \frac{1}{2} \ln(1-0) \right)$$

$$\frac{\partial}{\partial t} \ln(L(\theta)) = \frac{\chi}{2} \left(\frac{\chi_i}{t} - \frac{m - \chi_i}{1 - \theta} \right) = 0$$

Now, we have to solve for D.

$$\frac{2^{n}}{2^{n}} = \frac{2^{n}}{1-2^{n}}$$

$$= \frac{1}{1-2^{n}} = \frac{1}{1-2^{n}}$$

$$= \frac{2^{n}}{1-2^{n}} = \frac{2^{n}}{1$$

$$\frac{1=1}{2}$$

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