

Anexo I

$$\Delta s^2 \longrightarrow \Delta n$$

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$$\text{Varianza} = pq$$

$$= p(1-p)$$

$$\frac{d}{dp} = 1 - 2p$$

$$1 - 2p = 0$$

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

$$\frac{d^2}{dp^2} = -2$$

$$-2 < 0$$

\therefore en $p = \frac{1}{2}$ hay un máximo