Si calculamos ahora dichas esperantas

$$E[X_{ii}] = \int_{\theta}^{4\theta} x \cdot f_{x_{i}}(x) dx = \int_{\theta}^{4\theta} x \cdot n \left(1 - \frac{x - \theta}{3\theta}\right)^{n-1} \cdot \frac{1}{3\theta} dx =$$

$$= \frac{n}{3\theta} \int_{\theta}^{4\theta} x \cdot \left(\frac{4\theta - x}{3\theta}\right)^{n-1} dx = \frac{n}{4\theta} \int_{\theta}^{0} (4\theta - 3\theta y) y^{n-1} (-3\theta) dy =$$

$$y = \frac{4\theta - x}{3\theta} \quad x = 4\theta \Rightarrow y = 0$$

$$dy = -\frac{dx}{3\theta} \quad x = \theta \Rightarrow y = 1$$

$$x = 4\theta - 3\theta y$$

$$= n \int_{\theta}^{1} \frac{4\theta y^{n-1} dy}{y^{n-1} dy} - n \int_{\theta}^{1} \frac{3\theta y^{n} dy}{y^{n} dy} = 4\theta - \frac{3\theta}{n+1} = \frac{4\theta n + 4\theta - 3\theta n}{n+1} =$$

$$= \frac{\theta n + 4\theta}{1 + \theta} = \frac{\theta n + \theta}{1 + \theta} = \frac{\theta n + \theta$$

$$= \frac{\theta n + 4\theta}{n+1} = \theta \frac{n+4}{n+1}$$

$$= \left[\begin{cases} \chi_{(n)} \\ \end{cases} \right] = \left[\begin{cases} 4\theta \\ \end{cases} \times f(x) dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta)^{n-1} dx = \left[\begin{cases} 4\theta \\ \end{cases} \right] / (x-\theta$$

$$E[X_{lm}] = \int_{\theta}^{46} x f_{x_{lm}}(x) dx = \int_{\theta}^{46} x \cdot n \left(\frac{x-\theta}{36}\right)^{m-1} \frac{1}{36} dx = \int_{0}^{46} \frac{x-\theta}{36} x \cdot y dx = \int_{0}^{46} x \cdot n \left(\frac{x-\theta}{36}\right)^{m-1} \frac{1}{36} dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot n \left(\frac{x-\theta}{36}\right)^{m-1} \frac{1}{36} dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot n \left(\frac{x-\theta}{36}\right)^{m-1} \frac{1}{36} dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x \cdot n \left(\frac{x-\theta}{36}\right)^{m-1} \frac{1}{36} dx = \int_{0}^{46} x \cdot y dx = \int_{0}^{46} x$$

$$= n \int_0^1 (\theta + 3\theta y) y^{n-1} dy = n \theta \left(\int_0^1 y^{n-1} dy + 3 \int_0^1 y^n dy \right) = n \theta \left(\frac{1}{n} + \frac{3}{nH} \right) =$$

$$= h \theta \left(\frac{n+1+3n}{n(n+1)} \right) = \theta \frac{4n+2}{n+1}$$

Basta entonces tomar como función g(T) = g(Xn), Xn) = Xn + Xn + Xn

Esta función es claramente no nula y se esperanza es

$$\bar{E}_{\theta}[g(I)] = E_{\theta}\left[\frac{\chi_{(i)}}{n+q} - \frac{\chi_{(in)}}{q_{n+1}}\right] = \frac{1}{n+q} E[\chi_{(in)}] - \frac{1}{q_{n+1}} E[\chi_{(in)}] =$$

$$=\frac{1}{n+4}\cdot\theta\frac{n+4}{n+1}-\frac{1}{4n+1}\cdot\theta\cdot\frac{4n+1}{n+1}=0.$$