$$X_{U} = 6im \left( \frac{1}{U+1} + \frac{1}{U+2} + \cdots + \frac{1}{U+U} \right)$$

Sea a = 0 b = 1 y se considera la partición

$$\frac{b-a}{n} = \frac{1}{n} \implies P_n = \int a = 0, \frac{1}{n}, \frac{2}{n}, \dots, b = \lambda$$

$$X^{U} = \sum_{k=1}^{K=1} \frac{U + K}{V + K} = \frac{U}{V} = \frac{U}{V} = \frac{U}{V} = \frac{V}{V} = \frac{V}$$

Es una suma de Riemann de.

$$f(x) = \frac{1}{1+x} \Rightarrow \int_0^1 f(x) dx = \int_0^1 \frac{1}{1+x} dx =$$

$$= \left[ \log \left( 1 + x \right) \right]_0^2 = \log 2$$

Ahara bien,

$$\lim_{n\to\infty} x_n = \lim_{n\to\infty} \sum_{k=1}^n \frac{1}{n} f\left(\frac{k}{n}\right) = \int_0^1 \frac{1}{1+x} dx = \frac{8g^2}{1+x}.$$