

La Media Armonica

$$\frac{1}{\frac{1}{x_1} + \frac{1}{x_2} + \dots + \frac{1}{x_n}} = \frac{1}{\frac{1}{x} + \dots + \frac{1}{x}}$$

che posso scrivere anche come

$$\left(\sum_{i=1}^n x_i \right)^{-1} = \left(\sum_{i=1}^n \frac{1}{x_i} \right)^{-1}$$
$$\frac{1}{x} = \frac{1}{n} \cdot \left(\sum_{i=1}^n x_i \right)^{-1} = \frac{n}{\sum_{i=1}^n x_i}$$

C. D. D.

$$\prod_{i=1}^m X_i$$

=

$$\prod_{i=1}^m \overline{X_i}$$

↓

$$\prod_{i=1}^m X_i$$

=

$$\overline{\prod_{i=1}^m X_i}$$

$$\overline{X}$$

=

$$\overline{\prod_{i=1}^m X_i}$$

$$\prod_{i=1}^m X_i$$