Exemplo 1 $f(x) = \alpha x, \ \alpha \ \in \ \mathbb{R}$

$$f^{-1}(x) = \frac{x}{\alpha} \Rightarrow M_f(x_1, x_2) = f^{-1}\left(\frac{f(x_1) + f(x_2)}{2}\right)$$

$$\Rightarrow M_f(x_1, x_2) = f^{-1}\left(\frac{\alpha x_1 + \alpha x_2}{2}\right)$$

$$\boxed{M_f(x_1, x_2) = \frac{x_1 + x_2}{2}}, \ \text{Média Aritmética.}$$