

REGLAS OPERATIVAS CONVENCIONALES $\forall a > 0$

$$\begin{array}{|c|c|} \hline +\infty + a & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline -\infty + a & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline a - \infty & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline -\infty - \infty & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline +\infty \cdot (-a) & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{+\infty}{a} & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{a}{+\infty} & = \\ \hline 0 & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline (+\infty)^a & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline (+\infty)^{+\infty} & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline b^{+\infty} & \text{si } 0 < b < 1 \\ \hline 0 & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{\infty}{\infty} & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{0}{0} & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 0 \cdot (+\infty) & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 0^0 & = \\ \hline \text{Indeterminación (*)} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline +\infty - a & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline -\infty - a & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline +\infty + \infty & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline +\infty \cdot a & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline +\infty \cdot (+\infty) & = \\ \hline +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{+\infty}{-a} & = \\ \hline -\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{-a}{+\infty} & = \\ \hline 0 & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline (+\infty)^{-a} & = \\ \hline 0 \text{ ya que } \left(\frac{1}{\infty^a}\right) = 0 & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline b^{+\infty} & \text{si } b > 1 \\ \hline = +\infty & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \infty - \infty & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \frac{a}{0} & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 1^\infty & = \\ \hline \text{Indeterminación} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline (+\infty)^0 & = \\ \hline \text{Indeterminación (*)} & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \text{(*) Resolvemos por la regla de L'Hôpital} & \\ \hline \end{array}$$