

## FORME INDETERMINATE

2.12

 $\div)$ 

$$\boxed{\frac{\pm\infty}{\pm\infty} ; \frac{0}{0}}$$

$$= \frac{1}{\pm\infty} \cdot (\pm\infty) = 0(\pm\infty) ; = 0 \cdot \frac{1}{0} \approx 0 \cdot (\pm\infty)$$

 $x^y)$ 

$$(a_n)^{b_n} = 2^{b_n \cdot \log_2 a_n} ; a_n > 0$$

$$\boxed{0^0 ; 1^{+\infty} ; 1^{-\infty} ; (+\infty)^0}$$

$$= 2^{0 \cdot (-\infty)} ; 2^{(+\infty) \cdot 0} ; 2^{(-\infty) \cdot 0} ; 2^{0 \cdot (+\infty)}$$

TUTTE LE ALTRE SONO DETERMINATE

ESEMPLI:

$$0^{+\infty} = 0 ; 0^{-\infty} = +\infty$$

$$a^{+\infty} = \begin{cases} +\infty & \text{se } 1 < a \\ 0 & \text{se } 0 < a < 1 \end{cases}$$

$$a^{-\infty} = \begin{cases} 0 & \text{se } 1 < a \\ +\infty & \text{se } 0 < a < 1 \end{cases}$$