

$+\infty - \infty$

$$\begin{array}{ll} a_n = n^2 + n & ; \quad b_n = -n^2 \\ n^2 & ; \quad -(n^2 + n) \\ n + 1/n & ; \quad -n \\ n + (-1)^n & ; \quad -n \end{array}$$

$0 \cdot (\pm \infty)$

$$\begin{array}{ll} a_n = n^2 & ; \quad b_n = 1/n \\ n & ; \quad 1/n^2 \\ n & ; \quad 1/n \\ n & ; \quad \frac{(-1)^n}{n} \end{array}$$

□

### FORME DETERMINATE

$$l + \infty = +\infty ; \quad l - \infty = -\infty \quad \forall l \in \mathbb{R}$$

$$+\infty + \infty = +\infty ; \quad -\infty - \infty = -\infty$$

$$(+\infty)(-\infty) = -\infty ; \quad (+\infty)(+\infty) = +\infty = (-\infty)(-\infty)$$

$$l \cdot (\pm \infty) = \begin{cases} \pm \infty & \text{se } l > 0 \\ \mp \infty & \text{se } l < 0 \end{cases}$$