$$\lim_{n\to+\infty} a_n = \lim_n a_n = \lim a_n$$

$\square$

$$\left[\mathcal{P} \text{ È DEFINITIVAMENTE VERIFICATA DA } \{a_n\}\right] \overset{\text{DEF}}{\iff} \left[\exists \nu \in \mathbb{N} : \forall n > \nu,\ a_n \text{ VERIFICA } \mathcal{P}\right]$$

$\square$

$\{(-1)^n\}$ NON È REGOLARE

$\square$

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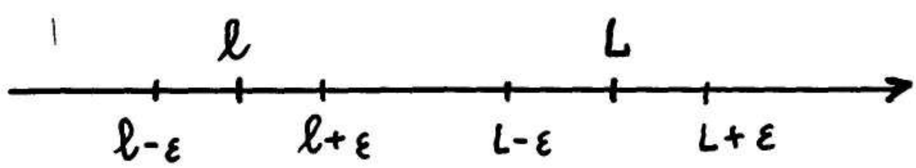
$$\left[\begin{array}{l} \lim a_n = \ell \\ \lim a_n = L \end{array}\right] \implies \ell = L$$

DIM.

$$\text{p.a. } \ell < L \implies L - \ell > 0 \implies \exists\, \varepsilon > 0 : 0 < \varepsilon < \frac{L-\ell}{2}$$



$$\implies \ell + \varepsilon < L - \varepsilon \implies I(\ell, \varepsilon) \cap I(L, \varepsilon) = \emptyset$$

$\square$