

Esercizi sulle Successioni

Calcolare i seguenti limiti di successioni:

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$$a_n = \frac{2n^2 - 3n + 1}{2 - 3n + n^2} \quad (1)$$

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$$b_n = \frac{2n^2 - 3n + 4}{5n + 6} \quad (2)$$

•

$$c_n = \frac{5n + 6}{2n^2 - 3n + 4} \quad (3)$$

•

$$d_n = \sqrt[3]{n^2} - \sqrt{n^3} \quad (4)$$

•

$$e_n = \frac{\sqrt{n^3} + n + 1}{\sqrt[3]{n^4} - n - 1} \quad (5)$$

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$$f_n = \frac{1}{n + \frac{2}{n + \frac{3}{n}}} \quad (6)$$

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$$g_n = (-1)^n n + 1 \quad (7)$$

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$$h_n = (-1)^n + n \quad (8)$$