

Re: recurrence relation

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d-viper wrote:

how to solve recurrence relation:

$$x_1=10$$

$$x_2=100$$

$$x_n=2x_{n-1}+8x_{n-2}$$

can anybody help?

After reading the corresponding theory and by single computation, check that the solution is:

$$x_n=5(4^n+(-2)^n)$$

Fernando.

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