

Courseware

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**SYLLABUS** 

DEMO

delp

QUIZ2 (1/1 point)

What is the exponential generating function of the sequence  $\{1,k,k^2,k^3,\dots\}$ 

- 0 e
- $\bigcirc \frac{1}{1}$
- $\bullet e^{kx}$
- $\bigcirc \frac{1}{1-kx}$

## **EXPLANATION**

$$G_e(x) = 1 + kx + rac{k^2}{2!}\,x^2 + rac{k^3}{3!}\,x^3 + \ldots = e^{kx}$$

Hide Answer

You have used 2 of 2 submissions



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