



podobné bs modio být na zkonšce
$$\psi$$

$$3'' - 3' = (4 \cdot \sin(x) - 2x)$$

$$3(0) = 3, \quad 3'(0) = 0$$

$$3^{2} - 3' = 0$$

$$3^{2} - 3 = \lambda(\lambda - 1) = 0$$

$$\lambda_{1} = 0$$

$$\lambda_{2} = 1$$

$$3h = C_{1} \cdot 1 + C_{2} \cdot e^{x} = C_{1} + C_{2} \cdot e^{x}$$

$$3p = A \cdot \sin(x) + B \cdot \cos(x) + (Cx + D)x$$

$$3p = A \cdot \sin(x) + B \cdot \cos(x) + Cx^{2} + Dx$$

$$3p = A \cdot \cos(x) - B \cdot \sin(x) + 2Cx + D$$

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$$-A \cdot \sin(y) - B \cdot \cos(y) + 2C \cdot A \cdot \cos(y) + B \cdot \sin(y) - 2Cx - D$$

$$= 4 \cdot \sin(x) - 2x$$

$$-A + B = 4$$

$$-B - A = 0$$

$$C - D = 0$$

$$C = -7$$

$$-2C = -7$$

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$$2 = 3p + 3n$$

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$$2 = -7 \cdot \sin(y) + 2 \cdot \cos(y) + x^{2} + 2x + C_{1} + C_{2} \cdot e^{x}$$

$$3' = -2 \cdot \cos(y) - 2 \cdot \sin(y) + 2x + 2t + 2t + 2t + 2t$$

$$3' = -2 \cdot \sin(0) + 2 \cdot \cos(0) + C_{1} + C_{2} \cdot e^{x}$$

$$-2t \cdot C_{1}tC_{2} = 3 - 7c_{1} = 7$$

$$3'(0) = -2t \cdot 2tC_{2} = 0 - 7c_{2} = 0$$



