Franciszel Malinha 20 de 1 4 - t y = 0 Let- re y= Zant dla peungh an. When $y'' - t^3y = \sum_{n=0}^{\infty} n(n-1)a_n t^{n-2} - t^3 \sum_{n=0}^{\infty} a_n t^n$ $= \sum_{n=-2}^{\infty} (n+2)(n+1)a_{n+2}t^{n} - \sum_{n=0}^{\infty} a_n t^{n+3}$ $= \sum_{n=0}^{\infty} (n+2)(n+1)a_{n+2}t^{n} - \sum_{n=0}^{\infty} a_n t^{n+3} =$ $= \sum_{n=0}^{\infty} (n+2)(n+1) Q_{n+2} t^n - \sum_{n=3}^{\infty} Q_{n-3} t^n$ $= \sum_{n=3}^{3} (n+2)(n+1)a_{n+2}t^{n} - a_{n-3}t^{n} + 2a_{2}t + 6a_{3}t + 12a_{4}t^{2}$ (n+2)(n+1)Qn+2 Zoten a, a, determinajes certy szereg. $1 = 4(0) = a_0, 0 = 4(0) = a_1$

$$\frac{1}{3} + y = t^{2} \cos t \qquad , \text{ Nich } \text{ light } F(s), \text{ widge}$$

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y(t) = 1/2 (2t3 sint + 3t cost - 3tsint) + cost + sint

Road 3

$$X^{\dagger} = 2X + y + x^{2}y$$
 $y' = x + y + x^{2}y$
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