

$$y''' - 2y'' + y' = 0$$

$$\lambda^3 - 2\lambda^2 + \lambda = 0$$

$$\lambda \cdot (\lambda^2 - 2\lambda + 1) = 0$$

$$\lambda^1 \cdot (\lambda - 1)^2 = 0$$

$$\lambda_1 = 0, \quad \text{na's. } 1$$

$$\lambda_2 = 1, \quad \text{na's. } 2$$

$$\text{F.S.}\check{\text{R}} : \quad \varphi_1(t) = 1, \quad \varphi_2(t) = e^t, \quad \varphi_3(t) = t \cdot e^t$$

$$Y_H \dots y(t) = c_1 + c_2 \cdot e^t + c_3 \cdot t \cdot e^t,$$

$$c_1 \in \mathbb{R}, \quad c_2 \in \mathbb{R}, \quad c_3 \in \mathbb{R}.$$