## + SOLVE of ODE'S

Wednesday, May 29, 2024 9:18 AM



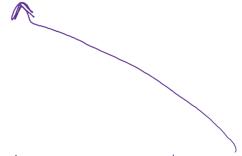
$$\begin{bmatrix} V_1 \\ V_2 \end{bmatrix} = \begin{bmatrix} O & 1 \\ -4 & O \end{bmatrix} \begin{bmatrix} V_1 \\ V_2 \end{bmatrix}$$

V2 =- 40, + 0 vz

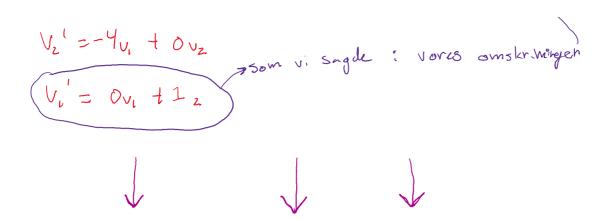
$$y' = V_1$$

$$y'' = V_2 = V_1'$$

$$y'' = V_3 = V_2'$$



in vi sagde : vores omskrivingen



$$\begin{bmatrix} V_1 \\ V_2 \\ V_3 \end{bmatrix} = \begin{bmatrix} O & I & O \\ O & O & I \\ -\frac{D}{A} & \frac{C}{A} & \frac{B}{A} \end{bmatrix} \begin{bmatrix} V_1 \\ V_2 \\ V_3 \end{bmatrix}$$

So this is the basis way to do it

Bosis formen husk den nu forfanen!