

Notes:

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$$x = \begin{pmatrix} x \\ v \\ bq \end{pmatrix}$$
 $x = \begin{pmatrix} x - bq \\ v \\ co - 1 \\ co - aq \end{pmatrix}$
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 $x = \begin{pmatrix} x - bq \\ co - aq \\$

$$\dot{X} = \begin{pmatrix} 0 & 1 & 0 \\ 0 & 0 & -1 \\ 0 & 0 & -a_{1} \end{pmatrix} \times + \begin{pmatrix} 1 \\ 0 \end{pmatrix} \cdot dec$$

$$A \qquad B$$

wax o Wa S = -> 0 2B. 0/05 HZ.2. IT

C=I b=0

Rischelization

$$\dot{x} = Ax + By$$

$$x \approx \frac{z-1}{\sqrt{5}} = \frac{1-z^{-1}}{\sqrt{5}}$$

y= (x+bu (A, B, C, D) HD (Ad, Bd, Cd, Pd) zeithen Linn ierlich zuit diskut $= \begin{cases} 2(A1 - R \cdot Cod(1, i)) \\ = \begin{cases} 1-h \\ 1-h \end{cases}$