

if $a=b=c=d=0$

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p. 4

$$(sI_4 - A)^{-1} d(s)$$

$$= \begin{bmatrix} (a+d_1) \cdot d(s) & d(s) & 0 & 0 \\ d_0 \cdot d(s) & a \cdot d(s) & 0 & 0 \\ 0 & 0 & (a+d_1) \cdot d(s) & d(s) \\ 0 & 0 & -d_0 \cdot d(s) & a \cdot d(s) \end{bmatrix}$$

sign error (both should be +)

every term is multiplied by $d(s)$
 so $d(s)$ cancels in numerator
 and denominator of $(sI_4 - A)^{-1}$
 in which case $T(s) = \frac{N(s)}{d(s)}$

(only degree two, so
 not a minimal set
 of state equations.

Note: $N(s)$ is degree 1 at most