$$\begin{array}{lll}
\text{(f) } \forall \text{ degrav}[m] &= C_{\rho} + C_{1}r_{1}^{m} + C_{2}r_{2}^{m} \\
\text{(f) } \forall \text{ degrav}[m] &= C_{\rho} + C_{1}r_{1}^{m} + C_{2}r_{2}^{m} \\
\text{(f) } \forall \text{ degrav}[m] &= C_{\rho} + C_{1}r_{1}^{m} + C_{2}r_{2}^{m} \\
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\text{(f) } \forall \text{ degrav}[m] &= C_{\rho} + C_{1}r_{1}^{m} + C_{2}r_{2}^{m} \\
\text{(f) } \forall \text{ degrav}[m] &= C_{\rho} +$$

i)
$$y[0] = 0.5y[-1] - \frac{2}{7}y[-2] + 5n[-1] - 3n[0^{+}] = -3$$

$$y[1] = 0.5y[0] - \frac{2}{7}y[-1] + 5n[0^{+}] - 3n[1] = 0.5$$

$$y[2] = 0.5y[1] - \frac{2}{7}y[0] + 5n[1] - 3n[2] = 3,107$$

$$\begin{cases} C1 + C2 + CP = -3 \\ C1r_1^{(m)=1} + C2r_1' + CP = 0.5 \\ C1r_2^2 + C2r_2^2 + CP = 3.107 \end{cases}$$

$$\begin{array}{l}
\longrightarrow \begin{cases}
C1 + C2 + Cp = -3 \\
C1(0.25 + i0.472) + C2(0.25 - i0.472) + Cp = 0.5 \\
C1(-0.160 + i0.236) + C2(-0.160 - i0.236) + Cp = 3.107
\end{array}$$

$$Y[m] = 0.5y[m-1] + \frac{2}{7}Y[m-2] = 5x[m-1] - 3x[m]$$

 $Cp = 0.5Cp + \frac{2}{7}Cp = 5-3$

$$0.785 \text{ Cp} = 2$$
 $CP = 2.545$

limbdue ([111; 0.25+50472 0.25-j0,472 1; -0.160+50.236-0.160-j0.236 1]

$$C1 = -2.775 + 10.102 = 2.862e^{32.893}$$

 $C2 = -2.775 - 90.702 = 2.862e^{-32.893}$
 $CP = 2.545$

```
Y degrov Em] = Cp + C_1 C_1^m + C_2 C_2^m = \Delta Em]
\Delta Em] = 2.545 + 2.862 (0.534^m e^3 1.083^m e^{3.893} + 0.534^m e^{-3.1083^m} e^{3.893} + 0.534^m e^{3.1083^m} e^{3.893^m} e^{3.893^m} e^{3.893^m} + 0.534^m e^{3.1083^m} e^{3.1083^m}
```

0.51/LM-13 + 2 / [m-2] = 5x[m=17-3x[m]
0.550p + 20p = 5-3
0.1850p = 2
1.00p 2.546

Class 15 51 5 51 5

51412 - 30 tos = 5 865 6.75 843

5 hs 17 = 112