

 $t_n = \sum_{5t_{n-1}}^{n} - 6t_{n-2}$ Now tn - 5tn-1 + 6tn-2 = 0 Characteristic Polynomial is 2-52+6=0 (266) (X+1) (x-3) (x-2)=0 = x=3 x=2. 700 le are Tr, = 3 [7, = 2] tn= C181+ C282  $= C_1 S^n + C_2 S^n$  $C_1 3^0 + C_2 2^0 = 0$  when n = 0 $C_1 + C_2 = 0$  — 0  $C_1 \cdot 3 + C_2 \cdot 2 = 1$ in 3 C1 + 2 C2 = 1 - (2) Solving these two 3C1 - 2C2 = 1  $C_1 = 2$ :. In = C, x, + C2 82 = 37 + (-1) 2<sup>n</sup>

The transfer of the second Tilliply reconstance September 1 1001 1 1 11 14 14 14 14 14 John Hand Andrew A A CHILLASSON A C \*(N) - 411 ation!

Now Publical tm - 3t(m-1) + 2t(m-2) tm-2t(m-1)1 = 1  $4n = \left(\frac{1}{10} - 3\right)$ the C11 6-3 tm-1 = &+(10)-2) 13 = 2 + (m-1) 10 = 0 (3h) 2 (m-1) +1 offeriois. - 32 + 2 2810 - 21-(m-2) 2tm-1) + 12 t C5  $(\lambda - 1)$ (F) ) 25 + Sn+1 \1 **O** Most 82=1. Provided + 1 whem TYOM あっつ 3 1 W

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