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 $\frac{\chi_{n-1} = \chi_{n-2} - a_1 \chi_n + (b_2 - a_2 b_0) U}{\chi_n = \chi_{n-1} - a_1 \chi_n + (b_1 - a_1 b_0) U}$ $\Rightarrow \text{ The above Sof of earnetion gives an } 0$ [Pat 1 of Solution] $\Rightarrow \text{ Taki-5 invers. Leplace transforms of } \text{ Y(5) = b_0 U(5) + \chi_{n-1} Y}$ $\Rightarrow \text{ Y = } \chi_n + b_0 U$ $\Rightarrow \text{ Taynetion } 0 \text{ gives an } 0 \text{ Pat 2 of Solutions}$

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