



TOPIC 12: Tutorial 3

1. Solve the following difference equation $y_{n+2} + y_n = 1$ given that $y(0) = y(1) = 0$
2. Solve the following difference equation $y_{n+3} - 3y_{n+1} + 2y_n = 0$ given that $y(0) = y(1) = 0$
3. Solve the following difference equation $y_{n+2} + 2y_{n+1} + y_n = n$ given that $y(0) = y(1) = 0$