

Economics 511 Problem Set 20
Linear Second-Order Difference Equations

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February 26, 2009

Solve the following difference equations.

1. $y_{t+2} - y_t = 0$

2. $2y_{t+2} - 5y_{t+1} + 2y_t = 4$

3. $y_{t+2} + 2y_{t+1} + y_t = 16$

4. $y_{t+2} - 6y_{t+1} + 18y_t = 26$