Mathematics 150 Assignment 10 addition – F. Goodman
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6. Solve the following recurrence relation with initial conditions:

$$h_{n+4} - 4h_{n+3} + 6h_{n+2} - 8h_{n+1} + 8h_n = 0,$$

$h_0 = 1, h_1 = 2, h_2 = 1, h_3 = -1.$