DISCRETE MATHEMATICS

HOMEWORK 7

- (1) Solve the recurrence relation $a_0 = a$, $4a_{n+1} = 5a_n$.
- (2) Solve the recurrence relation $a_0 = 1$, $a_1 = 3$, $a_n = 5a_{n-1} + 6a_{n-2}$.
- (3) Solve the recurrence relation $a_0 = 2$, $a_1 = -8$, $2a_{n+2} 11a_{n+1} + 5a_n = 0$.
- (4) Solve the recurrence relation $a_0 = 1$, $a_1 = 6$, $a_{n+2} = 2a_{n+1} + a_n$.

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