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 $0 \cdot b_1 = -a_1a^{-2}$
 $0 \cdot b_2 = -a_2a^{-2}$
 $0 + a_2 \cdot 1a^{-3} = 0$
 (c) Solution: Combined the conditions and the results of previous parts, we have $b_k + 0.5b_{k-1} + 0.25b_{k-2} = 0$, $b_0 = 1$, $b_1 = -0.5$, $b_2 = 0$
 $k \ 0 \ 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ \dots$
 $b_k \ 1 \ -0.5 \ 0 \ 0.53 \ -0.54 \ 0 \ 0.56 \ -0.57 \ \dots$
 We can conclude that

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