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371 $b_{N} = 4b_{N-1} + 5$ $b_{1} = 2$ $= 4(4 b_{N-2} + 5) + 5 b_{N-1} = 4b_{N-2} + 5 b_{3} = 57$ $= 4(4 b_{N-2} + 5) + 5 b_{N-1} = 4b_{N-2} + 5 b_{3} = 57$ =4 b_{N-2} +4(5) +5 b_{N-2} +5 b_{N-3} +5 $= 4 \left(4 b_{N-3} + 5\right) + 4(5) + 5$ $= 4 b_{N-3} + 4(5) + 4(5) + 1(5)$ $= (2) \frac{4}{4} + (\frac{5}{3}) \frac{4}{4} - \frac{5}{3} = (\frac{11}{3}) \frac{4}{4} - \frac{5}{3} = b_{1}$ $= (2 + \frac{5}{3}) \frac{4}{4} - \frac{5}{3} = (\frac{11}{3}) \frac{4}{4} - \frac{5}{3} = b_{1}$ $= \frac{11}{3} - \frac{5}{3} = \frac{11}{3} = \frac{5}{3} = \frac{11}{3} = \frac{1$