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These outcomes have probabilities given by the nth term of a geometric sequence with
common ratio \frac{1}{3}
Given that P(N = 1) = p
(a) find the complete probability distribution of N, giving the probabilities in terms of p
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4. The discrete random variable N has four outcomes n = 1, 2, 3 or 4

(b) Show that $p = \frac{27}{40}$

(c) Find P(3N-2 > 5)