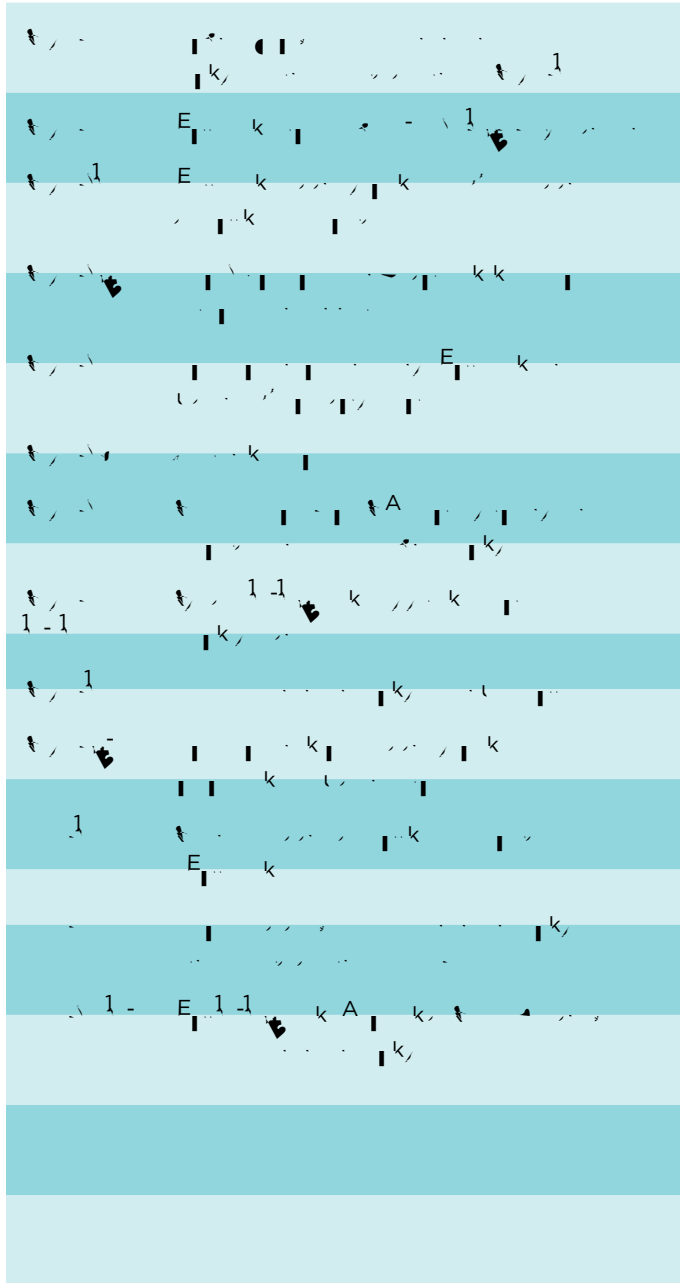
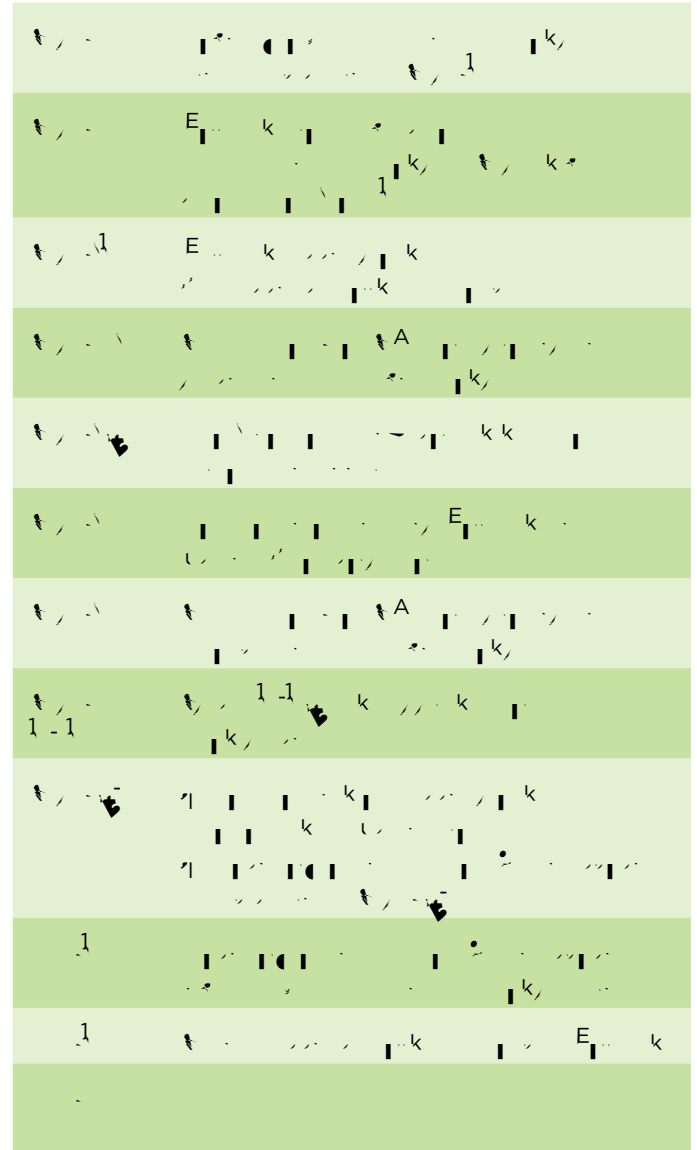


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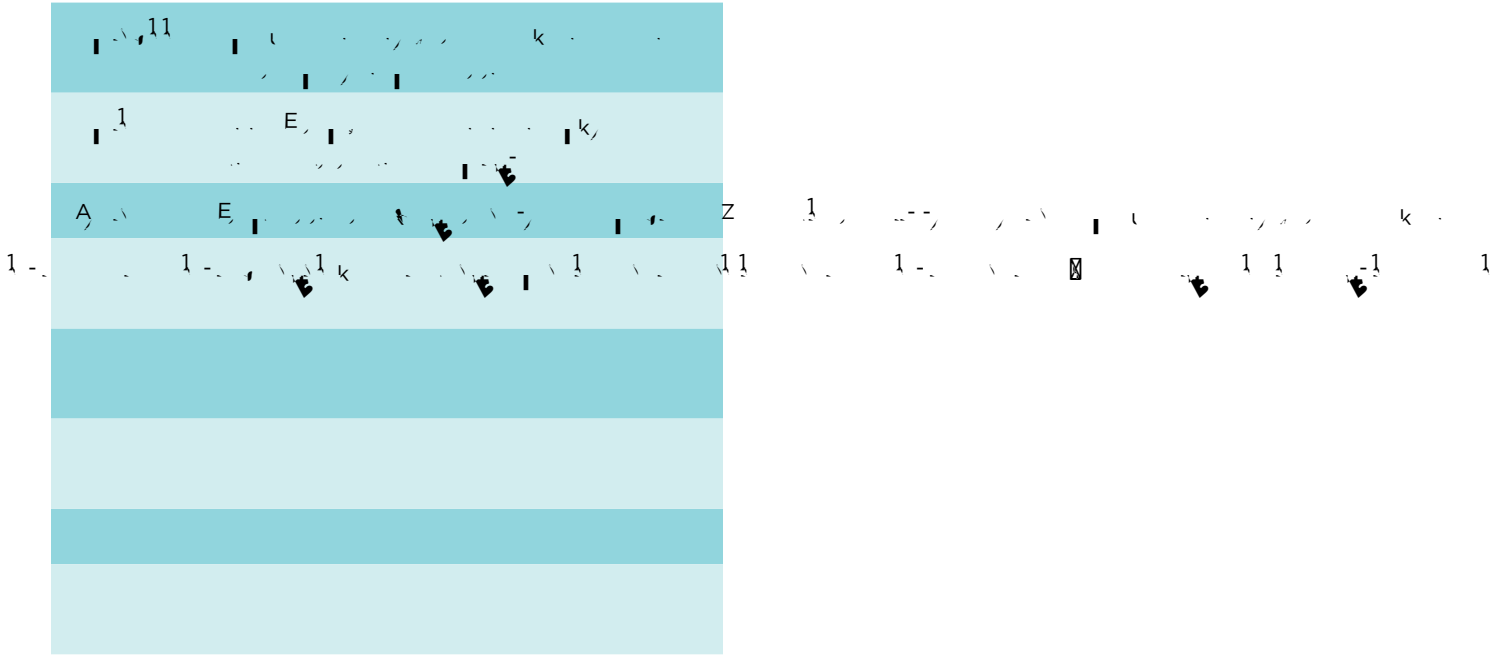
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The table contains 18 rows, each representing a step in the derivation of the expected value of a binomial distribution. The rows are numbered 1 through 11, with the last row containing a large '1'. The derivations involve binomial coefficients, probabilities p and q , and the binomial theorem.

1	$E(X) = \sum_{k=0}^n k \binom{n}{k} p^k q^{n-k}$
2	$E(X) = \sum_{k=0}^n k \binom{n-1}{k} p^k q^{n-k} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^{k+1} q^{n-k-1}$
3	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
4	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
5	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
6	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
7	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
8	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
9	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
10	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
11	$E(X) = p \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1} + \sum_{k=0}^{n-1} \binom{n-1}{k} p^k q^{n-k-1}$
1	$E(X) = np$

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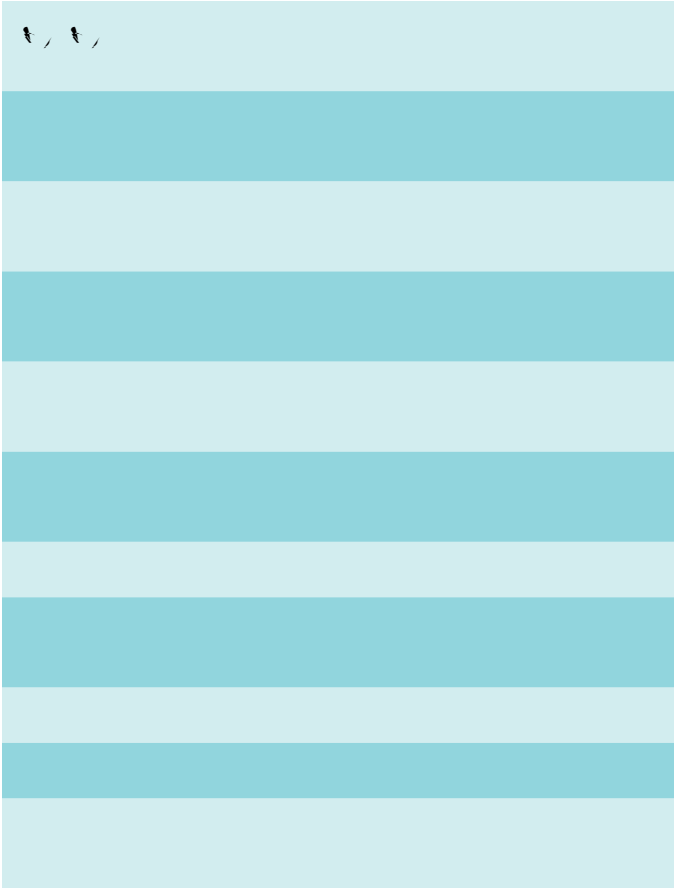
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