

Binomial Distribution

#2

The ratio of boys to girls born in Russia is 1.09:1.

What proportion of Russian families with exactly 6 children will have at least 3 boys? (Ignore the probability of multiple births.)

Submission Modes and Output Format

You may submit either an R or Python program to accomplish the above task, or solve the problem on pen-and-paper. Your output should be a floating point/decimal number, correct to 3 places of decimal.

1. In the text box below, enter a floating point/decimal number, correct to 3 places of decimal.
2. Alternatively, you may submit an R program, which uses the above parameters (hard-coded) and computes the answer.

Your answer should resemble something like:

0.123

(This is **NOT** the answer, just a demonstration of what the answering format should resemble).