Extra Credit #2:
A Newborn Baby

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Question

On the evening of January 1, a hospital nursery has 3 boys and some positive number of baby girls. On January 2, a child is born and is placed in the same nursery along with the other babies. On January 3, a child is selected at random from the nursery. The child selected is a boy. What is the probability the child born on January 2 was a boy?

Assignment

Submit your answer along with an explanation of how you answered the question for up to 10 bonus quiz points. Your explanation may be a paragraph of sentences, a diagram visualizing the sample space along with probabilities, and/or a few formulas and calculations.