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Regulars

The taxi problem



A witness sees a crime involving a taxi in Carborough. The witness says that the taxi is blue. It is known from previous research that witnesses are correct 80% of the time when making such statements. The police also know that 85% of the taxis in Carborough are blue, the other 15% being green. What is the probability that a blue taxi was involved in the crime?

Solution

Thanks to *Steve Kallenborn* from Switzerland for correcting the originally published version of this problem.



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