

Department of Mathematics and Computer Science

Probability and Statistics Challenge Problems 11

*Please submit solutions by Wednesday January 20, at 3pm*

A coin is tossed until a head appears twice in a row. If the coin is fair, what is the probability that it will be tossed exactly four times?

*Solutions to any or all of the problems may be submitted to John Sheriff (D510). If no one is in the office, just put the solution under the door. Please include your name and student number. Students with correct solutions will be acknowledged and prizes will be awarded at the end of the year based upon performance during the year. Problems and solutions are available at <http://www.cs.uleth.ca/~sheriff/statistics/challenge.htm>.*