

Department of Mathematics and Computer Science
Probability and Statistics Challenge Problems 18

Please submit solutions by Wednesday March 17, at 3pm

If there is a 30% chance that the temperature in Calgary is 30°C , a 40% chance that the temperature in Toronto is 30°C , and a 20% chance that the maximum temperature in the two cities is 30°C , what is the probability that the minimum temperature in the two cities is 30°C ?

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>.