

# Mathematics Problem of the Week 8

## Problem 267

**There was no winner this week.**

Contact Tariq Nuruddin at Surrey MAC or Judy Bicep (Richmond,3335) for your prize or email [MathProblem@kpu.ca](mailto:MathProblem@kpu.ca).

If Port Moresby is removed from the diagram as shown by the dashed lines, the remaining locations can be covered black or white in a pseudo-checkerboard scheme. No matter how Sherlock moves, Irene will always land on a spot opposite in colour to his at the end of each of her turns, so she will never catch him. Irene's best move would be to head to Port Moresby and change the outcome of the game. Once this is done she will usually corner Sherlock she will always corner Sherlock within the allotted number of moves.

