Indeterminate Equation

The Euclidean Method



Learn how to solve this type of problems, not just this problem.

- 1. Find the number of ordered pairs of positive integer solutions (m, n) to the equation 20m + 16n = 2016.
- 2. Of the pairs of positive integers (x, y) that satisfies 3x + 7y = 188, which ordered pair has the least positive difference x y?

(Ref Ref 2009: 2009 BCML)