WHAT IS COLLATZ CONJECTURE?

Bhawesh Mishra

Abstract

The Collatz Conjecture is one of the most easily stated, yet notoriously hard unsolved problems in Number Theory. First, I will attempt to present an abridged version of the history, heuristics, and computations behind the conjecture. This will be followed by discussions of some recent (and not so recent) advances on this conjecture. If time permits, we will also discuss a couple of historical tweaks of this conjecture.