

# **AGUILAR ACHÁ PRIME LAWS**



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## Aguilar – Achá Prime Law



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The statement of our hypothesis or conjecture in written words is:

**“Every Product up to the infinite of two prime numbers implies that it can be expressed as the sum up to the infinite of two prime numbers”.**

In symbolic Set's language:

$$\mathbf{A \cap B = C \cup D}$$

This Mathematical Law is extremely important, it is based in the Dichotomic Theorem and equivalence. It is a tautology, with proper and specific own name.

The tautology in Propositional Calculus or Propositional Algebra of this “**Aguilar - Achá Prime Law**” is valid and immutable in all the Arithmetic Science and Advanced Number Theory. It is based on the Truth Tables and Formal Semantics of the Universal Mathematical Logic.

It is proved below:

**Proof 1.**