Ghosh's Extraordinary Diophantine Equations

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Abstract

In this paper, I describe Ghosh's Extraordinary Diophantine Equations.
The paper ends with "The End"

Introduction

Ghosh's Extraordinary Diophantine Equations are useful in many fields of knowledge including economics, finance and political science. In this paper, I describe Ghosh's Extraordinary Diophantine Equations.

Ghosh's Extraordinary Diophantine Equations

Ghosh's Extraordinary Diophantine Equations are:

$$(a + 1)^{(b+1)} - (b + 1)^{(a+1)} = 13$$

which has the solution $a = 13 \wedge b = 0$

and

$$(a + 1)^{(b+1)} - (b + 1)^{(a+1)} = 399$$

which has the solution $a = 3 \wedge b = 4$

The End