Problem 4: The Disaster Zone

John Q. Klutz

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1 Intruduction

My name is John Q. Klutz, and I make mistakes in pretty much everything I do, except my mathematics is always perfect. For example, I noticed that $2+3=5$, which inspired me to observe that:

- $1^{10^{10^{10}}}+4=5$,
- $3+2=5$,
- $2^2+1=5$, and shockingly,
- $2+3^{10}\cdot 109=23^5$.

2 Examples

As you can see, I'm pretty much the most brillliant maths guy you'll ever meet. Here are some more examples of my greaatest work.

Theorem 1 (Klutz) *If E is an elliptic curve over $\mathbf{Q}$, then*

$$\mathrm{ord}_{s=1}L(E,s)=\mathrm{rank}(E(\mathbf{Q})).$$

Theorem 2 (Klutz) *The following equation has no solutions in positive integers for any $n>2$:*

$$a^n+b^n=c^n$$

(I figured out Fermat's short version.)

Theorem 3 (Klutz)

$$P\neq NP$$