# About counterexample of Fermat's Last theorem and Beal's conjecture

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**Abstract**

*I make a note about counterexample of Fermat's Last theorem and Beal's conjecture .*

The equation (Fermat's last theorem ):

$$X^n + Y^n = Z^n \tag{1}$$

($n \geq 3$)
And the equation (Beal's conjecture):

$$A^n + B^m = C^l \tag{2}$$

(A,B and C are coprime and $m, n, l \geq 3$)

*If the equations above have a solution in integer( a counterexample), then the smallest solutions are not so big that they can not be found by computer.*

That means, if they have a counterexample, it would have been already found.

I am so sorry! However, I tried my best to find the answer to FLT, to Fermat's margin-note. I have found an algorithm to prove FLT recently, and I am trying for Beal's conjecture.

## References

[1] Quang N V, Euler's proof of Fermat Last's Theorem for n = 3 is incorrect Vixra:1605.0123v3(NT)

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