



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_33315
Title of the Manuscript:	THE PROPOSITIONAL LATTICE OF DIVISIBILITY AND BEAL'S CONJECTURE
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	Concerning the paper on logic and Beal's conjecture, I do not agree with the conclusion of the author that <<Beal's conjecture cannot be proved <i>logically</i>, that is, it cannot be derivable by reasoning from the laws of logic of divisibility>>. The hypothesis that a, b, c be coprime to one another in the equation $X^p + Y^q = Z^r$, where $pq+1=r$, is to avoid trivial solutions like the following one. Say $c = a^p + b^q$. Consider $A = ac^{qr}$, $B = b^{pr}$ $C = c$. Then $X^p + Y^q = Z^r$ has the trivial solution A, B, C. A particular case of Beal's equation is $p=q=r$, namely Fermat's last theorem. The conclusion of the author would then be that <<Fermat's last theorem cannot be proved <i>logically</i>, that is, it cannot be derivable by reasoning from the laws of logic of divisibility>>. However, Fermat's last theorem was proved by Wiles. In conclusion I suggest not to accept this paper because the Conclusion of the author is inappropriate.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Reviewer Details:

Name:	C. Levesque
Department, University & Country	Département de Mathématiques et de Statistique, Université Laval, Québec, Canada