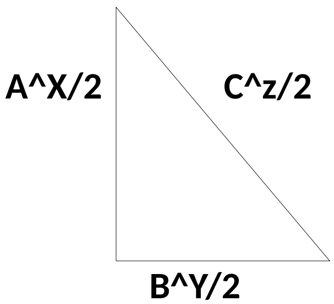
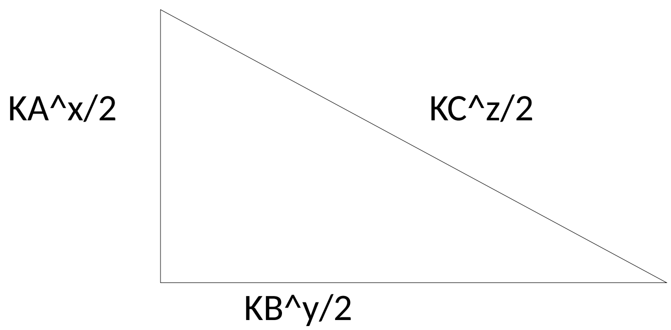
# Proof of Beal conjecture

***A^x+B^y=C^z------(1)***
***Then---- (A^x/2)^2+(B^y/2)^2=(C^z/2)^2------(2)---Then that is a equation of a right angled triangle.So***



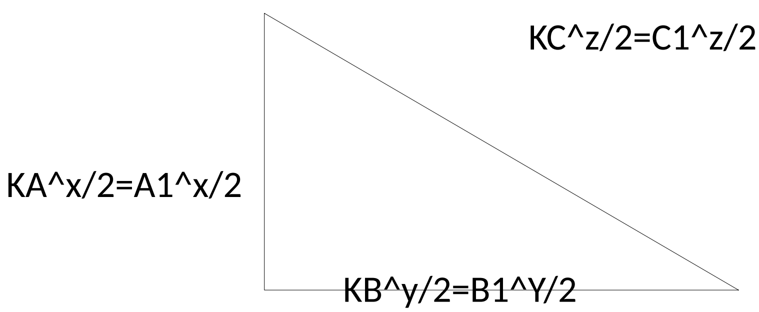

**------(3)**

***Similar proportion***




-----(4)

***Number (4) is a right angled triangle.So it should be like number (2)***




***KA^x/2=A1^x/2***
***KB^Y/2=B1^y/2***
***KC^z/2=C1^z/2***

***From (4) right angle triangle***

***K^2XC^z=K^2XA^x  +K^2xB^y------(6)***

***(K^2/ZXC)^Z=(K^2/x*A)^x+(K^2/YXB)^y------(7)***

***So there is a common factor K.Lets K=P^n.***

***(P^2n/Zxc)^z=(P^2n/x*A)^x   +(P^2n/yxB)^y-------(7)***

***There is a common factor P.So there should be a common primary factor.***


***Then Beal Conjecture is proved by Mr.G.L.W.A. Jayathilaka.----Address—Guruwatta Walawwe,Meetiyagoda,Sri lanka.E-mail-gherbalproducts@gmail.com***