Project GRASP – squares 2

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1 Administrative Stuff

1.1 Mailing list

Please sign up to the mailing list: https://groups.google.com/forum/#!forum/project-grasp.

1.2 British Mathematical Olympiad

2 Problems

1. Let a and b be any positive integers, and let p be any prime number $p > 2$, such that p divides $a+b$ and p divides a^2+b^2. Show that p^2 divides a^2+b^2.