

THE 2-ADIC BEHAVIOR OF THE NUMBER OF PARTITIONS INTO DISTINCT PARTS

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ABSTRACT. This short note gives the correct statement of Theorem 11. The word ‘nonzero’ was accidentally omitted in the original paper.

Theorem 11. *Let $p \equiv 5$ or $11 \pmod{24}$ be prime. There are nonzero integers x and y for which*

$$x^2 + 24y^2 = p^2.$$

Moreover, there are nonzero integers x and y for which

$$x^2 + 96y^2 = p^2$$

if and only if $p \equiv 11 \pmod{24}$.

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