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A top hat for Moser's four

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mathemagical rabbits

[Pieter Moree](#)

(Submitted on 12 Nov 2010)

If the
equation
 $1^k + 2^k + \dots + (m-2)^k + (m-1)^k = m^k$
 has an

integer
solution
with $k > 1$,
then
 $m > 10^6$.