
Zbl 125.02306
Erdős, Pál
On some divisibility properties of $\binom{2n}{n}$ (In English)
Can. Math. Bull. 7, 513-518 (1964). [0008-4395]

L. Moser (Zbl 113.03606) has proved that $\binom{2n}{n} = \binom{2n}{n}\binom{2b}{b}$ has no solution. The writer proves the following result. Denote by $g(m)$ the smallest integer $n > m$ such that $\binom{2m}{m} \mid \binom{2n}{n}$. Then for all $m, g(m) \geq 2m$, for $m > m_0$, $m^{1+c} < g(m) < (2m)^{\log m/\log 2}$ for a certain absolute constant $c > 0$.

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Classification:
11B65 Binomial coefficients, etc.