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On partitions without small parts

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Abstract. Let $r(n,m)$ denote the number of partitions of n into parts, each of which is at least m. By applying the saddle point method to the generating series, an asymptotic estimate is given for $r(n,m)$, which holds for $n \to \infty$, and $1 \le m \le c_1 \dfrac{n}{(\log n)^{c_2}}$.

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