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We show that for every $\epsilon > 0$, there exists $n_0 = n_0(\epsilon)$, such that for every $n > n_0$, two n -vertex graphs G_1 and G_2 with $e(G_1)e(G_2) \leq (1 - \epsilon)n^2$ pack, unless they belong to a well-defined family of exceptions. This extends a well-known result by Sauer and Spencer. (Received August 04, 2007)