## COMBINATORICS SEMINAR

## A dual to the Turán problem

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Thursday, October 23rd, 11 AM, Kemeny ???

A graph G is F-saturated if G contains no copy of F and any proper supergraph of G does. Turán introduced the problem of determining the maximum number of edges of an F-saturated n-vertex graph. Here we consider the dual problem, determining the minimum number of edges in an F-saturated n-vertex graph. We present recent results for various choices of F, survey known results, and give many open problems.

This is joint work with Ron Gould, Tomasz Łuczak and Oleg Pikhurko.