An extremal problem of Oriented Stars. Preliminary report.

Let $S_{k,l}$ be the orientation of a star such that $k$ arcs out from the center and $l$ arcs to the center. For $n$ big enough, among all the digraphs with $n$ vertices, we consider which digraphs contain the maximum copies of $S_{k,l}$ as induced sub-digraphs. In the talk, we will present to recent progress in this problem. (Received January 25, 2019)