

Problem sheet 12

Problems will be discussed at the problem class on **February 1, 2017**.

Problem 24.

Show that for every rooted tree T the *dual* hypergraph of $H(T)$ admits a realization with open strips.

Problem 25.

Consider a hypergraph \mathcal{H} realized by bottomless halfplanes in \mathbb{R}^2 , that is halfplanes containing a sequence of points (x, y_n) with $y_n \rightarrow -\infty$ ($n \rightarrow -\infty$) for each $x \in \mathbb{R}$. Prove that the dual of \mathcal{H} has a realization by bottomless halfplanes in \mathbb{R}^2 .

Puzzle 12.

Calculate the angle x in the picture below.

