Conjecture 1935. Let $(\mathfrak{A}, \mathfrak{Z}) = (\mathfrak{A}, \mathfrak{Z})_{i\in n}$ be a family of filtrators on boolean lattices.

A relation $\delta \in \mathscr{P} \prod \operatorname{atoms}^{\mathfrak{A}_i}$ such that for every $a \in \prod \operatorname{atoms}^{\mathfrak{A}_i}$

$$\forall A \in a : \delta \cap \prod_{i\in n} \operatorname{atoms} \uparrow^{\mathfrak{Z}_i} A_i \neq \emptyset \Rightarrow a \in \delta \tag{37}$$

can be continued till the function $\upuparrows f$ for a unique staroid f of the form $\lambda i \in n : \mathfrak{A}_i$. The funcoid f is completary.

Conjecture 1936. For every $\mathcal{X} \in \prod_{i\in n} \mathscr{F}(\mathfrak{A}_i)$

$$\mathcal{X} \in \operatorname{GR} \upuparrows f \Leftrightarrow \delta \cap \prod_{i\in n} \operatorname{atoms} \mathcal{X}_i \neq \emptyset. \tag{38}$$

Conjecture 1937. Let R be a set of staroids of the form $\lambda i \in n : \mathscr{F}(\mathfrak{A}_i)$ where every $\mathfrak{A}_i$ is a boolean lattice. If $x \in \prod_{i\in n} \operatorname{atoms}^{\mathscr{F}(\mathfrak{A}_i)}$ then $x \in \operatorname{GR} \upuparrows \bigsqcap R \Leftrightarrow \forall f \in R : x \in \upuparrows f$.

There exists a completary staroid f and an indexed family X of principal filters (with $\operatorname{arity} f = \operatorname{dom} X$ and $(\operatorname{form} f)_i = \operatorname{Base}(X_i)$ for every $i \in \operatorname{arity} f$), such that $f \sqsubseteq \prod^{\mathsf{Strd}} X$ and $Y \sqcap X \notin \operatorname{GR} f$ for some $Y \in \operatorname{GR} f$.

Conjecture 1938. There exists a staroid f and an indexed family x of ultrafilters (with $\operatorname{arity} f = \operatorname{dom} x$ and $(\operatorname{form} f)_i = \operatorname{Base}(x_i)$ for every $i \in \operatorname{arity} f$), such that $f \sqsubseteq \prod^{\mathsf{Strd}} x$ and $Y \sqcap x \notin \operatorname{GR} f$ for some $Y \in \operatorname{GR} f$.

Other conjectures:

Conjecture 1939. If staroid $\bot \neq f \sqsubseteq a^n_{\mathsf{Strd}}$ for an ultrafilter a and an index set n, then $n \times \{a\} \in \operatorname{GR} f$. (Can it be generalized for arbitrary staroidal products?)

Conjecture 1940. The following posets are atomic:

1°. anchored relations on powersets;
2°. staroids on powersets;
3°. completary staroids on powersets.

Conjecture 1941. The following posets are atomistic:

1°. anchored relations on powersets;
2°. staroids on powersets;
3°. completary staroids on powersets.

The above conjectures seem difficult, because we know almost nothing about structure of atomic staroids.

Conjecture 1942. A staroid on powersets is principal iff it is complete in every argument.

Conjecture 1943. If a is an ultrafilter, then $\operatorname{id}^{\mathsf{Strd}}_{a[n]}$ is an atom of the lattice of:

1°. anchored relations of the form $(\mathscr{P} \operatorname{Base}(a))^n$;
2°. staroids of the form $(\mathscr{P} \operatorname{Base}(a))^n$;
3°. completary staroids of the form $(\mathscr{P} \operatorname{Base}(a))^n$.

Conjecture 1944. If a is an ultrafilter, then $\upuparrows \operatorname{id}^{\mathsf{Strd}}_{a[n]}$ is an atom of the lattice of:

1°. anchored relations of the form $\mathscr{F}(\operatorname{Base}(a))^n$;
2°. staroids of the form $\mathscr{F}(\operatorname{Base}(a))^n$;
3°. completary staroids of the form $\mathscr{F}(\operatorname{Base}(a))^n$.