- $[n] = \{1, \ldots, n\}$.

- $\mathsf{mod}(S, n) = \{A \mid A \models S \text{ and } U^A = [n]\}$.

- $A \cong B$ if and only if A is *isomorphic to* B.

- A list l of structures is *succinct* if and only if for every pair of distinct structures A and B appearing on l, $A \ncong B$.

- $\mathsf{Aut}(A) = \{h \mid h \text{ is an automorphism of } A\}$.

- $\mathsf{orb}(a, A) = \{h(a) \mid h \in \mathsf{Aut}(A)\}$.

- $\mathsf{Orbs}(A) = \{O \mid \text{for some } a \in U^A, O = \mathsf{orb}(a, A)\}$.

- Let $S(x)$ be a schema with a single free variable x and A a structure.

$$S[A] = \{a \in U^A \mid A \models S[x|a]\}.$$

- $\mathbb{Z}$ is the set of integers $\{\ldots -3, -2, -1, 0, 1, 2, 3, \ldots\}$.