The file "Eliminated cases" contains **four lists** with the entries of the form

$$[[v, k, \lambda], nr].$$

By such an entry the following "case" under consideration is designated: an action of the primitive permutation group $G(v, nr)$ on a (v, k, λ) symmetric design. $G(v, nr)$ is the unique group in the position nr in the list of groups of degree v contained in the GAP library of primitive permutation groups, $v \in \{1, \ldots, 2500\}$.

1^0) The list "**cases**" records all possible "cases" with v not a prime power. This list contains 4745 elements.

2^0) The list "**ranktwo**" records all the cases with $G(v, nr)$ of rank 2. This list contains 3119 elements.

3^0) The list "**fixedpoints**" records the cases eliminated through applying Proposition 2.1 and Proposition 2.2, i.e. the bounds for the fixed points number of a nontrivial design automorphism. The list contains 541 elements. The underlying groups $G(v, nr)$ are not of rank 2.

4^0) The list "**orbits**" records the cases eliminated through applying Theorem 2.3, i.e. through the size of orbits of automorphism groups. The list contains 271 elements. The underlying groups $G(v, nr)$ are not of rank 2.

The lists can be used within GAP directly.