The folder "PrimitiveSD_almost_simple" contains 45 files named "SymDes$v$", $v = $ 11, 15, 21, 35, 36, 40, 45, 56, 57, 63, 85, 91, 121, 133, 144, 156, 176, 183, 255, 273, 341, 351, 364, 378, 381, 400, 511, 553, 585, 651, 781, 820, 871, 993, 1023, 1057, 1365, 1407, 1464, 1893, 2047, 2257, 2380, 2451 and 14080. For each v, SymDes$v$ contains the list "Dv" which is a record of all constructed primitive symmetric designs with v points. Here the number of entries in "Dv" is at most 2. The point set of all designs is $\{1, 2, 3, ..., v\}$.

The record of a particular design is an element of the list "Dv", say i-*th* element Dv[i]. For instance, list "D364" from the file "SymDes364" has two elements: D364[1] and D364[2]. The first is a record of projective geometry $PG(5, 3)$, and the latter is a record of rank 3 symmetric design (364, 121, 40).

The abbreviation "**rec**" stands at the beginning of each list element. It separates different designs if the list has more than one element.

The record of a design Dv[i] has the following two important components:

1. AutDv[i] generators' permutation representation;

2. set B of all blocks of Dv[i].

Besides, the record gives some other information on the design. Because of the transitivity, any block $\mathtt{B} \in B$ is a base block of Dv[i] and the other blocks can be obtained by the action of AutDv[i] on $\mathtt{B}$. AutDv[i] is a primitive group of almost simple type for every admissible pair (v, i). Due to some technical reasons, AutDv[i] is not provided by GAP for several projective geometries.

An example of a simple analysis of a design performed in GAP by using our record files can be found in "info" file of the folder "PrimitiveSD_prime_power".

Should our files be used for more detailed analysis, "GRAPE" and "DE-SIGN" packages have to be installed under GAP. These packages are loaded within GAP by calling the statement:

```
gap> LoadPackage("grape");
true
gap> LoadPackage("design");
true
```

For more information the reader is pointed to:

L.H. Soicher, The DESIGN package for GAP, Version 1.3, 2006,
  http://designtheory.org/software/gap_design/

L.H. Soicher, The GRAPE package for GAP, Version 4.3, 2006,
  http://www.maths.qmul.ac.uk/~leonard/grape/

The readers not acquainted with GAP can use SymDes$v$ files as text files with information on designs' full automorphism groups permutation representation and basic blocks.