Puzzle

The solution is composed from two backtracking's wrote in two separated files:
1. The first decompose n^2 as partitions of p distinct parts (this means to write n^2 as a sum of p distinct terms) and writes all this partitions in a temporary file (r.pas);
2. Then second reads from the temporary file each partition and try to put the pieces with squares equal with the number from that partition on then chess table. To cope this:

- it's verify if the square of each piece could be wrote as a product of two numbers a and b such as a, b≤ n (if not, that piece don't fits on the table);
- tries to put the pieces on the table. Take pieces in descending order, if not it is possible that the run time becomes extremely big.ş