

reasoning based on experience and is backed by models of pupils' academic work at this level. Finally, at the final stage of teaching reasoning the theorem proving should be taught at all levels. It should be stated that the theorem proving in the textbook is perceived at the highest level, and the third stage (unassisted reasoning in the minimized type) at the average level.

Such technology, as the school practice shows, allows to stimulate pupils' wish to master logic rather than intuitive steps in reasoning, may guide pupils in their own search for future proofs of mathematical statements [6, 7, 10]. The strategy described was introduced in papers [6, 7] and implemented in the school course of Mathematics.

4. References

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