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This document introduces an algorithm designed to guide the process of writing Olympiad mathematics solutions. Its purpose is to provide a clear step-by-step framework that mirrors the structure and reasoning typically used in high-level problem solving.

The method is not intended as a substitute for creativity but as a tool to formalize and communicate ideas with clarity. Examples and explanations are provided to illustrate how each stage of the algorithm can be applied in practice, with references included where relevant (see [Section 1](#)).

Feedback is welcome. If you notice inaccuracies or have suggestions for refinement, please contact me at [samuelbaraujo19@gmail.com](mailto:samuelbaraujo19@gmail.com).

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## 1 References