

A Proposal for a Task Preparation Process

*K. Diks, M. Kubica,
J. Radoszewski, K. Stencel*

The Goals

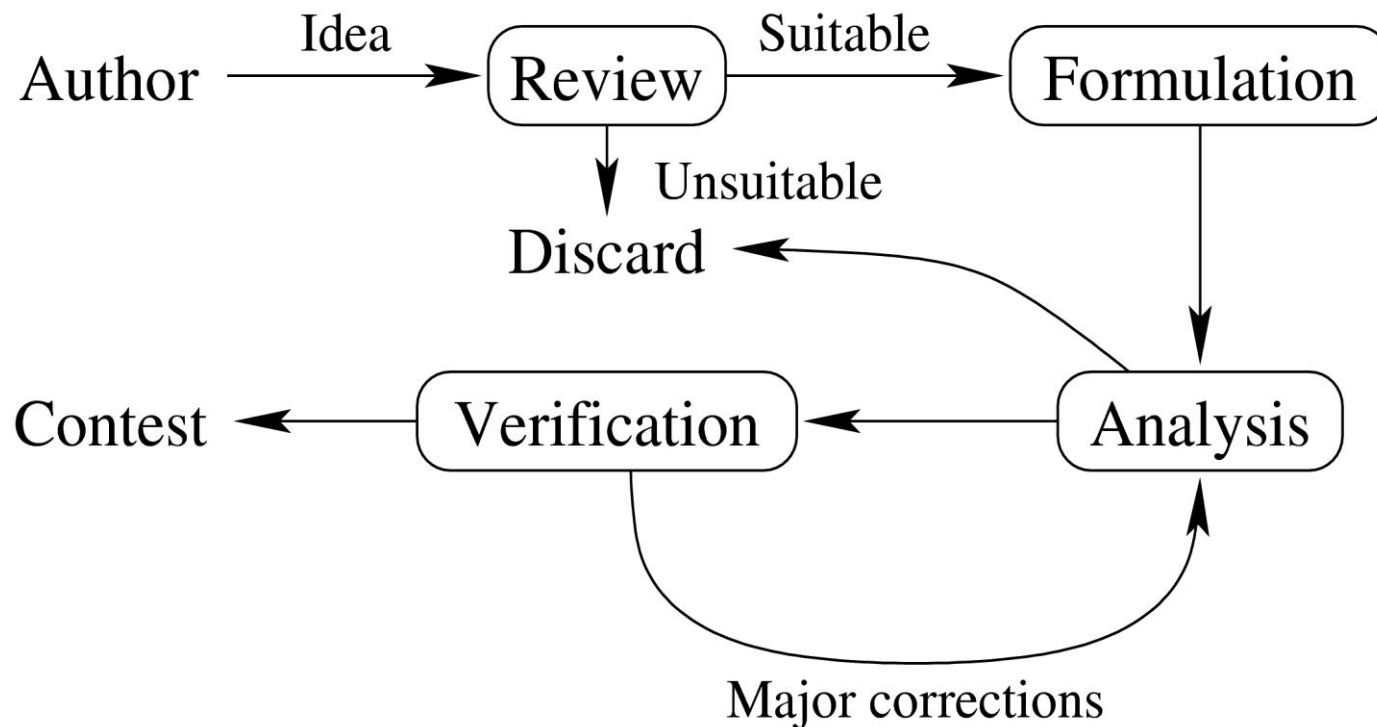
Of the paper:

- process – obvious, details – not
- time constraints

Of the presentation:

- general introduction
- some important details

Task Life-Cycle



Task Review

Goal: to check if the task is appropriate:

- involves creativity
- short formulation of the problem
- differentiate contestants

Task Formulation

Goal: a complete task description

- a short story if necessary
- precise input/output specification
- sample test case(s)

Task Analysis

Goal: to prepare the task for grading

- test data
- solutions
- analysis document
- limits in the task description
- other types of tasks...

Task Analysis: Tests and Solutions

- „good” test cases
- programs: input verifier, output verifier, input generator
- Where to put the sample input?

Verification

Goal: to verify correctness

- Is the task description precise?
- Is the model solution appropriate?
- Are the worse solutions appropriate?
- Is the test data correct?

Summary

I described:

- Task life-cycle at the POI: review, formulation, analysis, verification;
- Some interesting and troublesome issues that we face.

The process is still evolving!