## Helping students learn from mistakes

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## Motivation and Implementation

- I read James Lang's book "small teaching". This inspired me to integrate some group work into the class period.
- Many students make the same "typical" mistakes. How do we as educators help them to identify and avoid those mistakes.
- Idea: Students come having worked on some pre-assigned problems. For each I select two students (one who feels comfortable, one who wants to learn). The students discuss together and write up a common solution. I project the students' solution on the overhead for everyone to look over. I return the marked up solution to the students who then have to submit a corrected version.

## Sample problem

