

Problem 2 (due Monday, February 23)

In a class with $n > 2$ students the teacher wants to assign to each student some topics to work on in such a way that any two students have a unique common topic assigned, each topic is given to more than one student but no topic is assigned to all the students. Show that the teacher has to use at least n topics.

We received a solution from Prof. Emmett Wyman. His solution is very elegant and different from our in-house solution. For details and more information about the problem and a related open question see the following link [Solution](#).

From:

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