6.045J/18.400J: Automata, Computability and Complexity   Prof. Nancy Lynch

Recitation 10: NP- completness

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Problem 1: Review: 1. Cook-Levin theorem 2. NP-complete problems

Problem 2: Sipser 7.37 If $P = NP$ you can factor integers in poly time.

Problem 3: Sipser 7.30 (Minesweeper) Show that the Minesweeper language in NP-complete.

Problem 4: Sipser 7.37. Show that 3COLOR is NP-complete.