CS 254 HW3

Grading

- Due 2014-01-30 @ 2pm. (Right before class).

- Please send all submissions (both LaTeXed and handwritten) to cs254-win1314-hw@lists.stanford.edu

Solving 10 instances of SAT w/ one 2-approximating #SAT Query

Let A be an oracle such that on input ϕ, it outputs a 2-approximation to the number of satisfying assignments of ϕ. Given 10 SAT instances $\phi_1, ..., \phi_{10}$, using only one query to A and polynomial time, determine which formulas are satisfiable.