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 $\phi$, it outputs a 2-approximation to the number of satisfying assignments of $\phi$. Given 10 SAT instances $\phi_1, ..., \phi_{10}$, using only one query to $A$ and polynomial time, determine which formulas are satisfiable.