

CS 337

Pop Quiz 1

2/4/09

Open book and notes.

Problem Variables x and y are 4-bit long words in the following two equations. Solve for x and y . Recall that \bar{x} is the complement of x .

$$\begin{aligned}x \oplus y &= 1, \\y &= \bar{x} \oplus \bar{y},\end{aligned}$$