Recall the following theorems from class:

**PCP Theorem 1:** The following 3SAT promise problem is $NP$-hard. For a 3SAT instance $\phi$:
- $\phi$ is satisfiable.
- At most 0.99 fraction of the clauses of $\phi$ are satisfiable.

**PCP Theorem 2:** The following LC3SAT (label cover 3SAT) promise problem is $NP$-hard. For an LC3SAT instance $\phi$:
- $\phi$ is satisfiable.
- At most 0.999 fraction of the constraints of $\phi$ are satisfiable.

Show that PCP Theorem 2 follows from PCP Theorem 1. In other words, give a reduction from the 3SAT promise problem of Theorem 1 to the LC3SAT promise problem of Theorem 2.