The Island of Perfect Logicians -- Extra Credit
(Due Thursday, January 21)

There once was an island where all the inhabitants were Perfect Logicians and also Perfectly Law Abiding. The islanders had the following three laws:
1. Anyone who finds out that they have blue eyes must commit suicide that same day before sundown by jumping off a cliff.
2. No one is allowed to tell another person that the other person has blue eyes.
3. No mirrors are allowed on the island.

One day a man from the Island of Perfect Truth Tellers visits the Island of Perfect Logicians. After the dinner that night the visitor from the Island of Perfect Truth Tellers says to all the inhabitants of the Island of Perfect Logicians that he is happy to have dinner on an island where at least one person has blue eyes. (All the residents of the Island of Perfect Truth Tellers have brown eyes.)

There are 100 inhabitants on the Island of Perfect Logician, and all 100 inhabitants have blue eyes. One hundred days after the visit of the person from the Island of Perfect Truth Tellers all the inhabitants of the Island of Perfect Logicians jump off a cliff. Why?